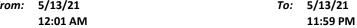
$The \ table \ below \ summarize \ monitoring \ data \ collected \ on \ using \ EPA's \ Viper \ wireless \ remote \ monitoring \ system.$

Project Name: H₂S in South and North Carolina

From: 5/13/21 To: 5/13/21





							1110
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	53968	0	0 - 0 ppm	0 ppm	0.07 ppm
River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53328	20006	0 - 0.036 ppm	0 ppm	0.07 ppm
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	54772	0	0 - 0 ppm	0 ppm	0.07 ppm
Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53870	10106	0 - 0.006 ppm	0 ppm	0.07 ppm
Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	53838	0	0 - 0 ppm	0 ppm	0.07 ppm
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	53612	0	0 - 0 ppm	0 ppm	0.07 ppm
Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53712	0	0 - 0 ppm	0 ppm	0.07 ppm

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53790	0	0 - 0 ppm	0 ppm	0.07 ppm

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	50394	108	0 - 0.001 ppm	0 ppm	0.07 ppm

Notes:

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

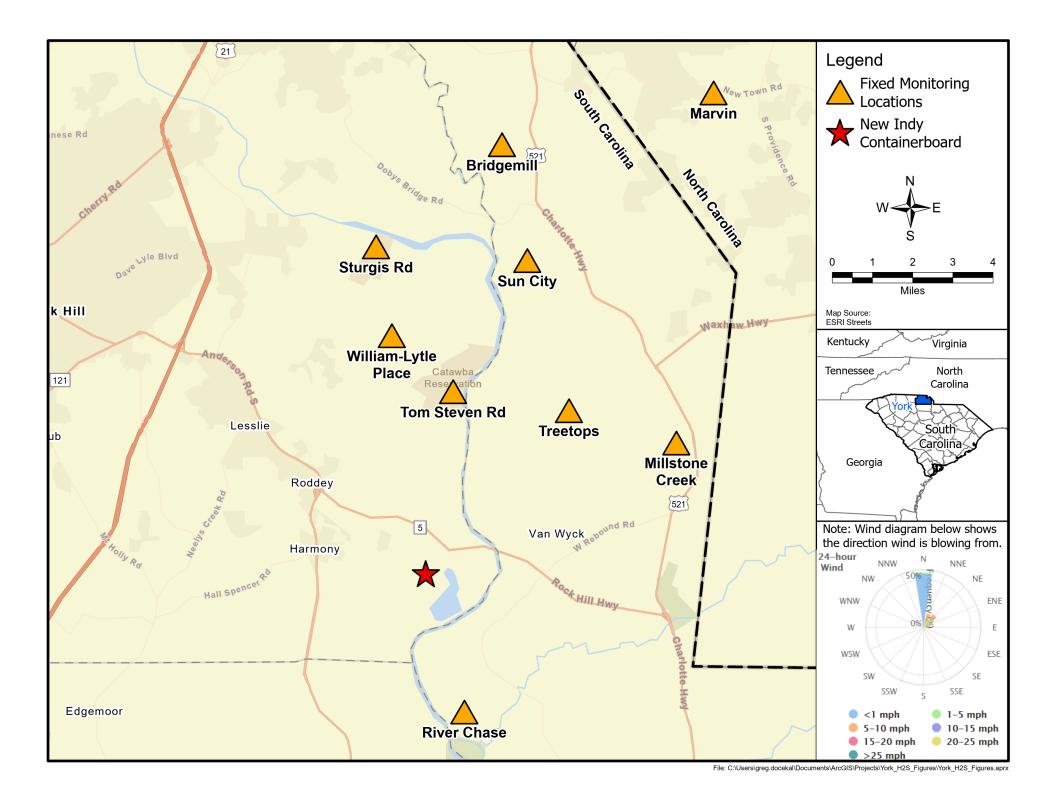
H2S Hydrogen Sulfide

Hour

Parts per million ppm

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

Single Point Monitor SPM TWA Time Weighted Avergage

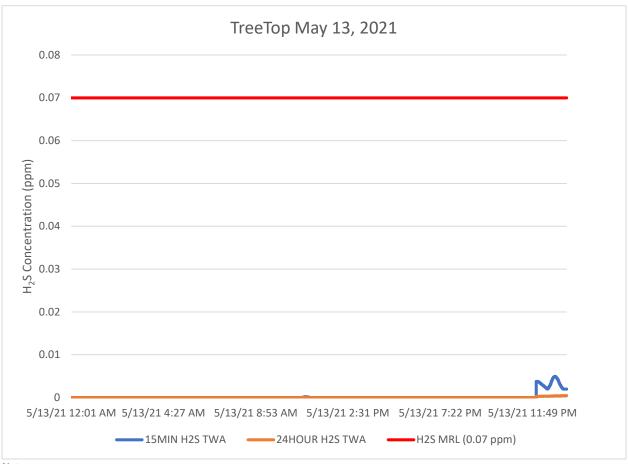


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for observed wind conditions during this reporting period.

The following locations did not detect hydrogen sulfide above 0.001 parts per million: Strugis, William-Lytle Place, Bridgewill, Millstone Creek, Marvin, Tom Steven.



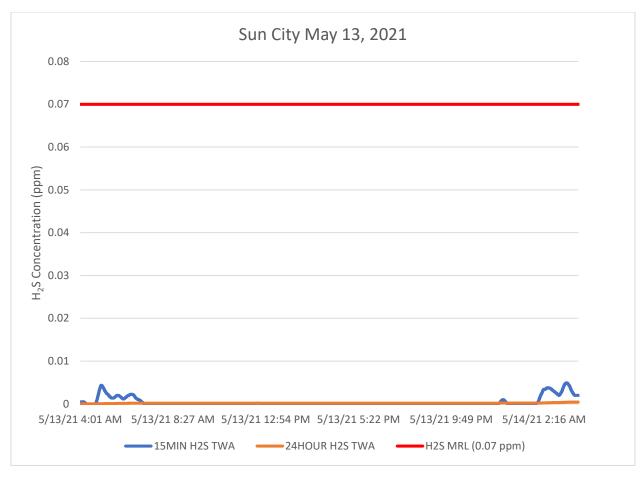
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppm - Parts per million

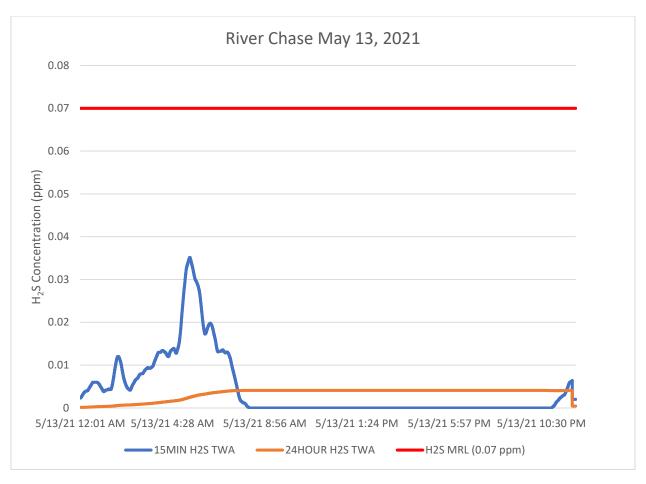


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

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

Project Name: H₂S in South and North Carolina

From: 5/14/21 To: 5/14/21 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	53857	0	0 - 0 ppm	0 ppm	0.07 ppm
River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	51820	25814	0 - 0.03 ppm	0 ppm	0.07 ppm
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	54828	0	0 - 0 ppm	0 ppm	0.07 ppm
Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53818	23996	0 - 0.009 ppm	0 ppm	0.07 ppm

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	53846	0	0 - 0 ppm	0 ppm	0.07 ppm

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	53195	0	0 - 0 ppm	0 ppm	0.07 ppm

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52928	10070	0 - 0.002 ppm	0 ppm	0.07 ppm

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	51927	0	0 - 0 ppm	0 ppm	0.07 ppm

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	48668	1076	0 - 0.001 ppm	0 ppm	0.07 ppm

Notes:

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

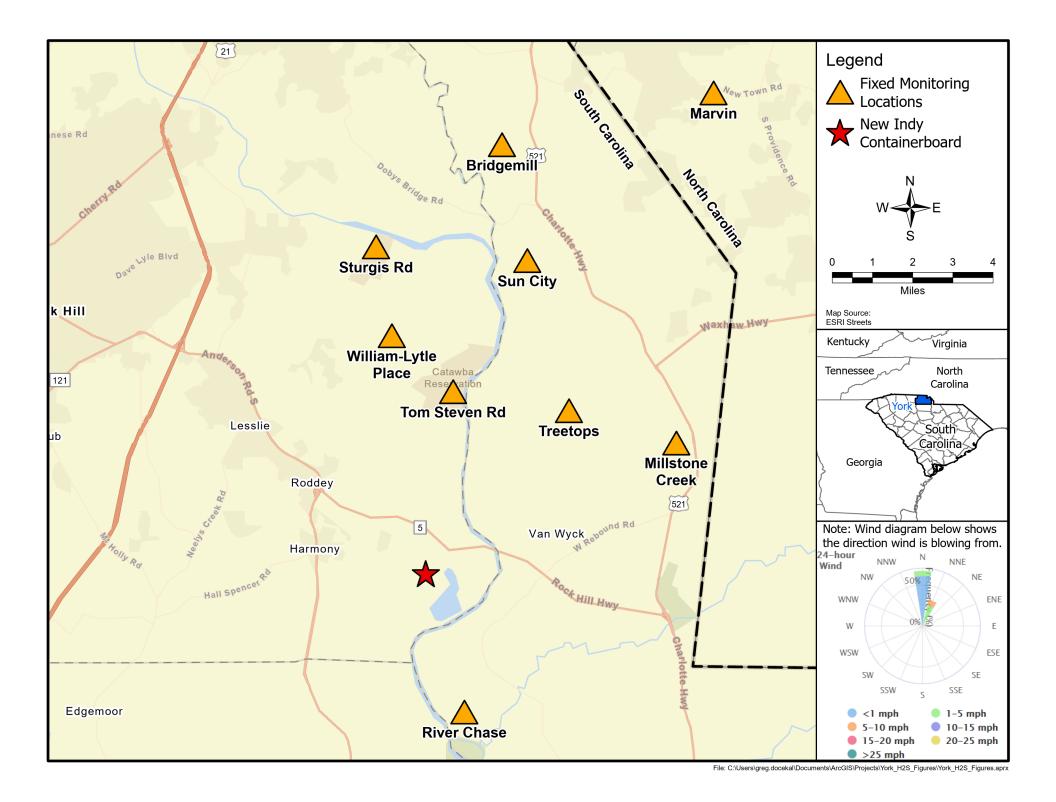
H2S Hydrogen Sulfide

hr Hour

ppm Parts per million

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

SPM Single Point Monitor
TWA Time Weighted Avergage

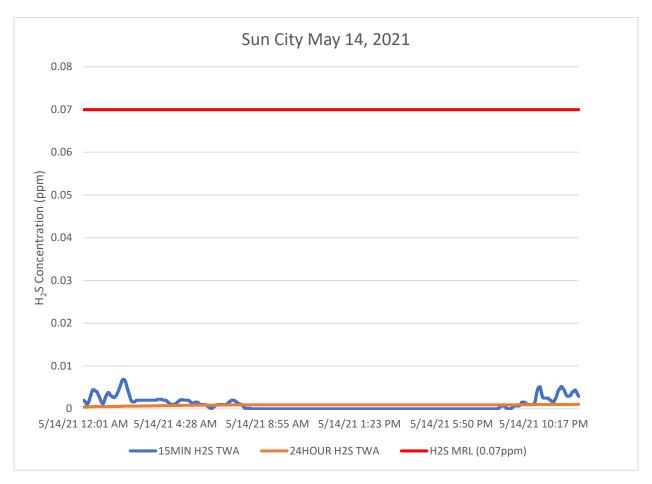


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 0.001 parts per million: William-Lytle Place, Bridgemill, Millstone Creek, Marvin, Tom Steven.



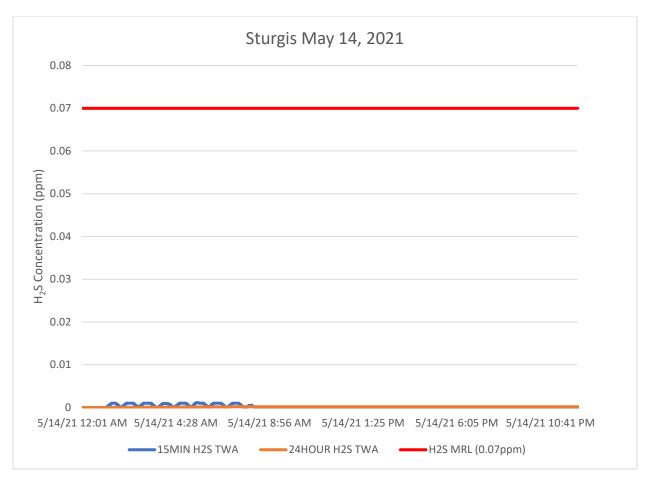
Notes:

H₂S - Hydrogen Sulfide

 $\mathsf{MIN}-\mathsf{Minute}$

MRL – Minimal Risk Level

ppm - Parts per million

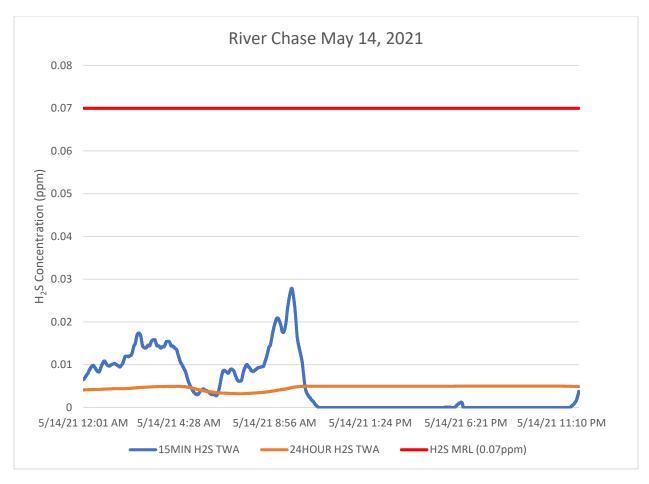


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

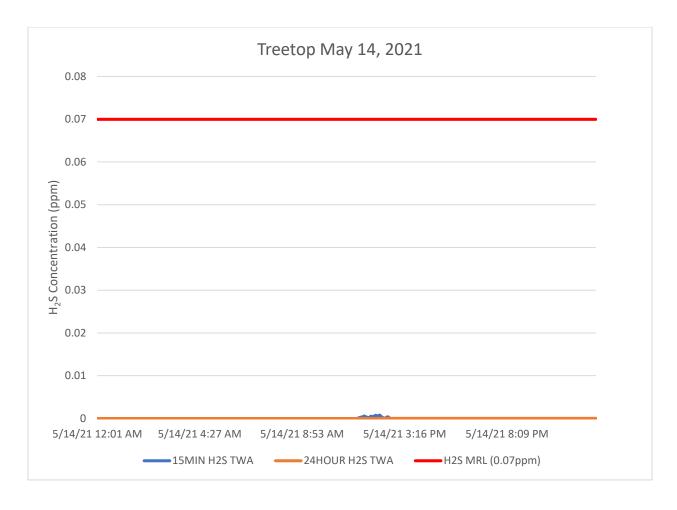


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

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: 5/15/21 To: 5/15/21

12:01 AM 11:59 PM



	12.01 AIVI			11.55 PIVI		AL	PROTEC
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	53866	2636	0 - 0.009 ppm	0 ppm	0.07 ppm
River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	52864	27306	0 - 0.013 ppm	0 ppm	0.07 ppm
Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	52876	40	0 - 0.001 ppm	0 ppm	0.07 ppm
Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53776	17456	0 - 0.01 ppm	0 ppm	0.07 ppm
Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	53852	0	0 - 0 ppm	0 ppm	0.07 ppm
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	53195	0	0 - 0 ppm	0 ppm	0.07 ppm
Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52928	10070	0 - 0.002 ppm	0 ppm	0.07 ppm
Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
CDN4 Fl O	пэс	NI-	F4027	0	0. 0	0	0.07

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	48668	1076	0 - 0.001 ppm	0 ppm	0.07 ppm

0 - 0 ppm

0 ppm

0.07 ppm

51927

Notes:

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

Hydrogen Sulfide H2S

Hour

SPM Flex 8

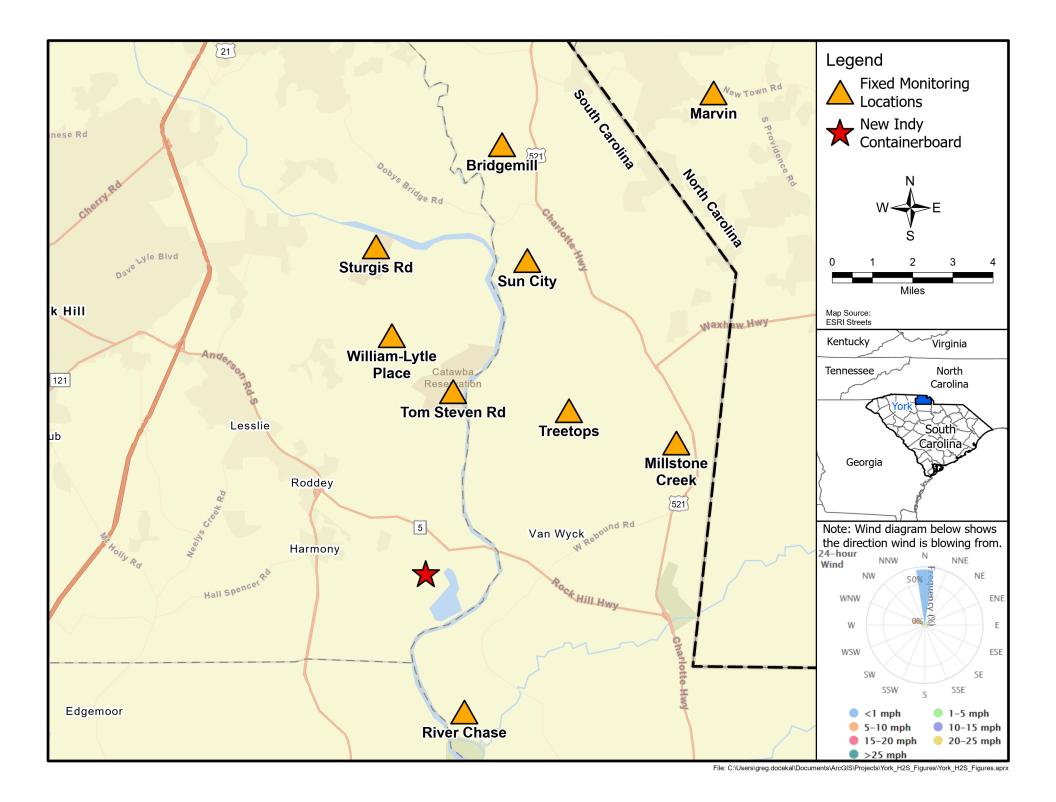
Parts per million ppm

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

No

Single Point Monitor SPM TWA Time Weighted Avergage

H2S

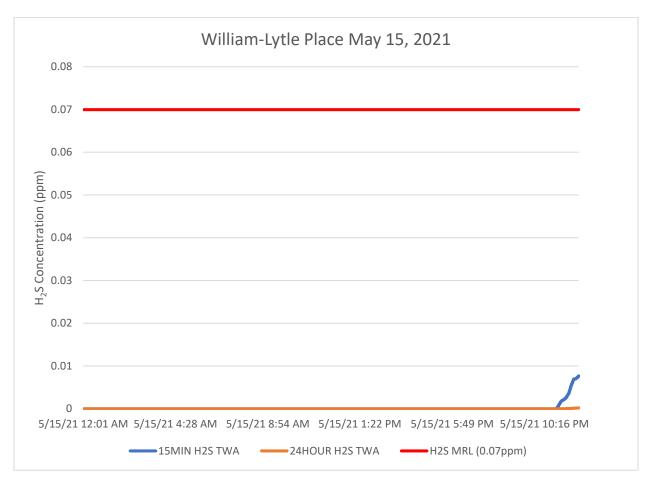


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 0.001 parts per million: Bridgemill, Tom Steven Rd, Marvin.



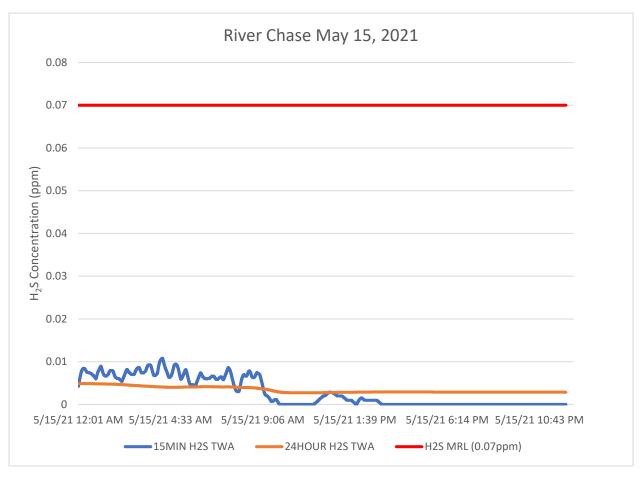
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppm - Parts per million

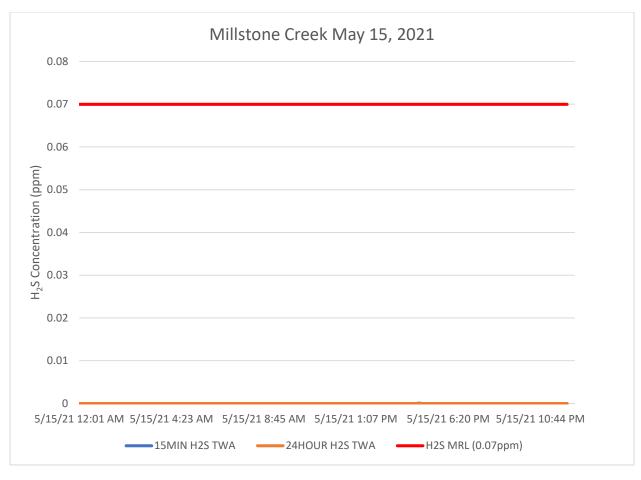


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

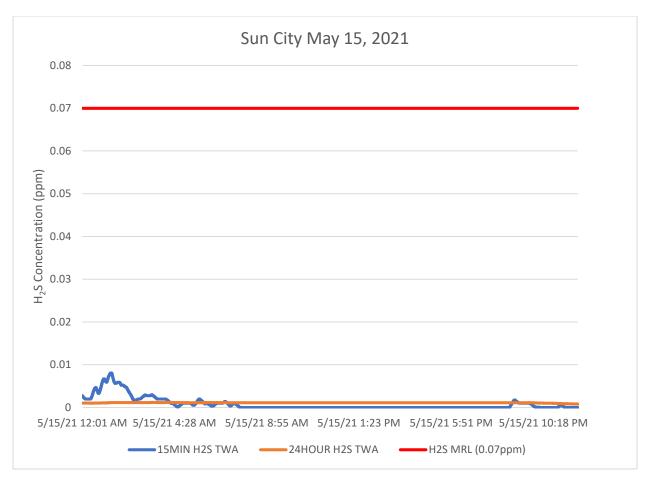


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

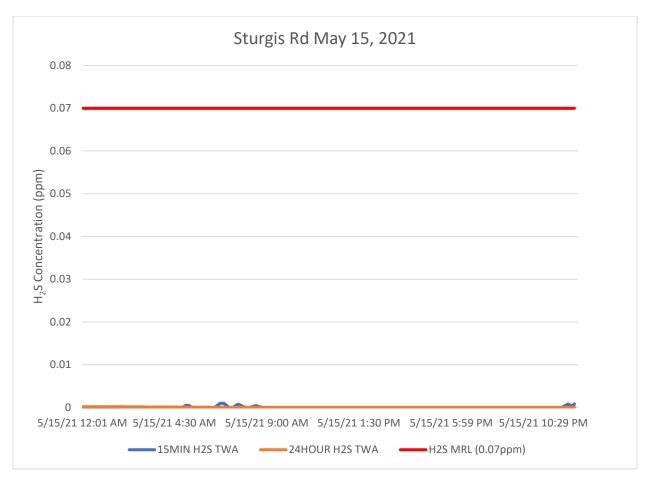


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

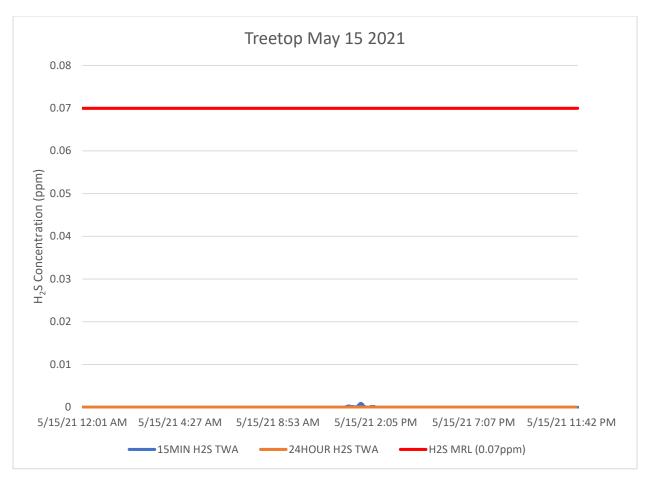


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

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: 5/16/21 *To:* 5/16/21

12:01 AM 11:59 PM



liam Lutla Diago							
illiam-Lytle Place		ATSDR MRL	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	53960	21760	0 - 0.023 ppm	0 ppm	0.07 ppm
iver Chase							
		ATSDR MRL	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	53676	1914	0 - 0.004 ppm	0 ppm	0.07 ppm
Millstone Creek							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	Exceedance?	Readings 52502	Detections 24736	0 - 0.016 ppm	0 ppm	0.07 ppm
SI WITTEX S	1123	NO	32302	24730	0 - 0.010 ppm	ο ρριτι	0.07 ррпп
un City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53742	21888	0 - 0.025 ppm	0 ppm	0.07 ppm
ridgemill							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
		Exceedance?	Readings	Detections		_	
SPM Flex 5	H2S	No	53490	2328	0 - 0.006 ppm	0 ppm	0.07 ppm
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	53195	0	0 - 0 ppm	0 ppm	0.07 ppm
turgis Rd		ATODO MOI	I Name to a second	l Name to a control			
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	52928	10070	0 - 0.002 ppm	0 ppm	0.07 ppm
a maio							
/larvin		ATSDR MRL	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	ATSDR MRL

Notes:

Treetop

Instrument

SPM Flex 9

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

Number of

Readings

48668

Number of

Detections

1076

Concentration Range

0 - 0.001 ppm

Period Average

0 ppm

ATSDR MRL

0.07 ppm

H2S Hydrogen Sulfide

Hour hr

Parts per million ppm

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

ATSDR MRL

Exceedance?

No

Single Point Monitor SPM TWA Time Weighted Avergage

Analyte

H2S

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: 5/17/21 To: 5/17/21 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	53924	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	53639	29698	0 - 21 ppb	3.3 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	54278	380	0 - 1 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	53828	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	53793	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	53558	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	53319	146	0 - 2 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	40626	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	53352	1062	0 - 2 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)

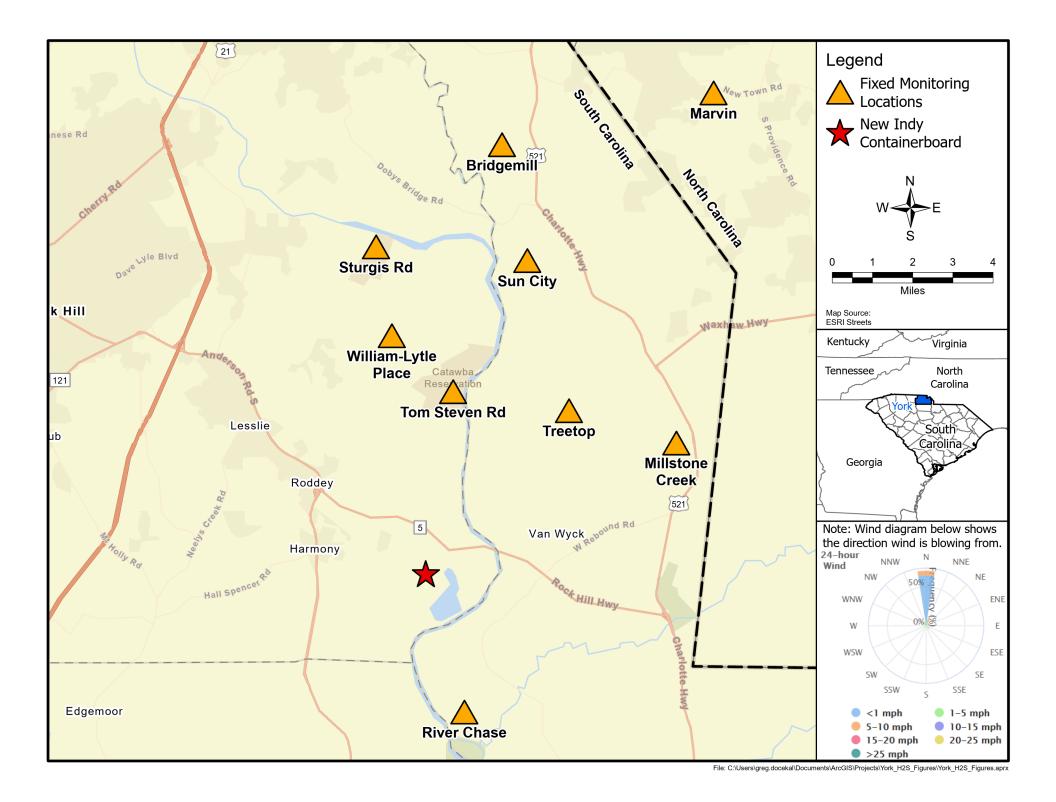
H₂S Hydrogen Sulfide

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

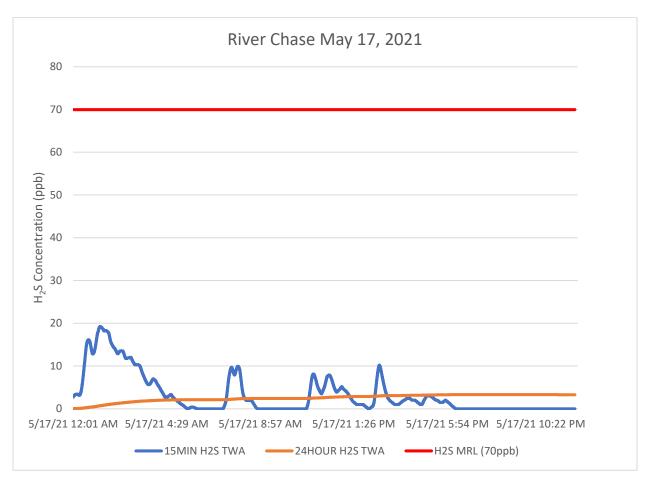


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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. 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 parts per billion (ppb): William-Lytle Place, Sun City, Bridgemill, Tom Steven Rd., and Marvin.



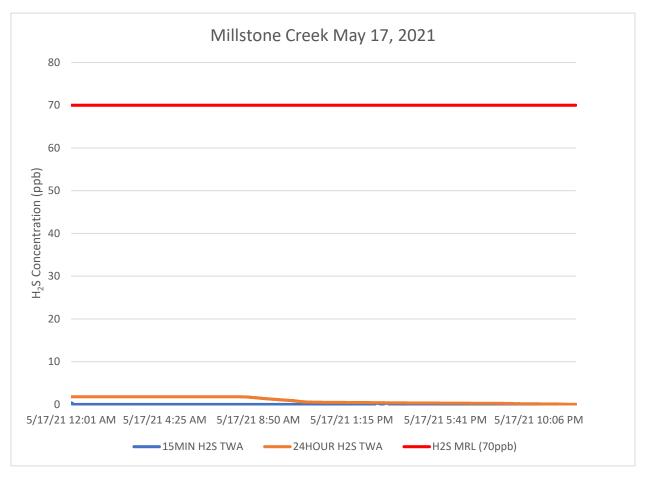
Notes:

H₂S − Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb - Parts per billion

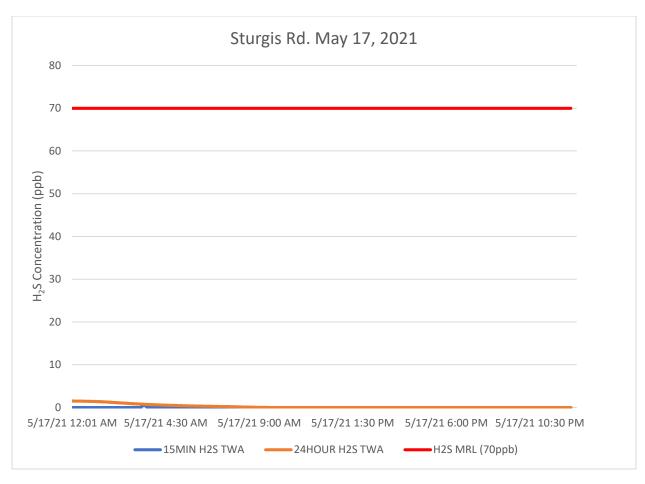


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

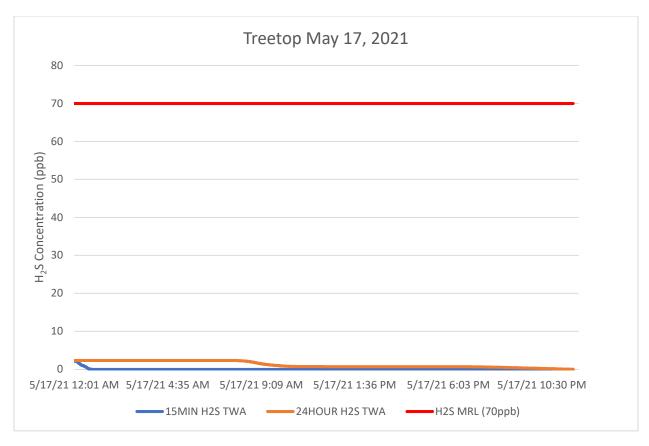


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

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: 5/18/21 To: 5/18/21 12:01 AM 11:59 PM



am-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	53838	262	0 - 1 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	53710	50	0 - 1 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	54214	0	0 - 0 ppb	0 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	53827	556	0 - 5 ppb	0.03 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	53452	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	51849	1959	0 - 2 ppb	0.05 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	53316	470	0 - 2 ppb	0.02 ppb	70 ppb

SI IVI I ICK 7		110	33310	170	0 2 pps	0.02 ppb	7 0 pps
Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

0

0 - 0 ppb

0 ppb

70 ppb

53530

Treetop										
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL			
SPM Flex 9	H2S	No	53958	0	0 - 0 ppb	0 ppb	70 ppb			

Notes:

SPM Flex 8

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

No

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

H₂S Hydrogen Sulfide

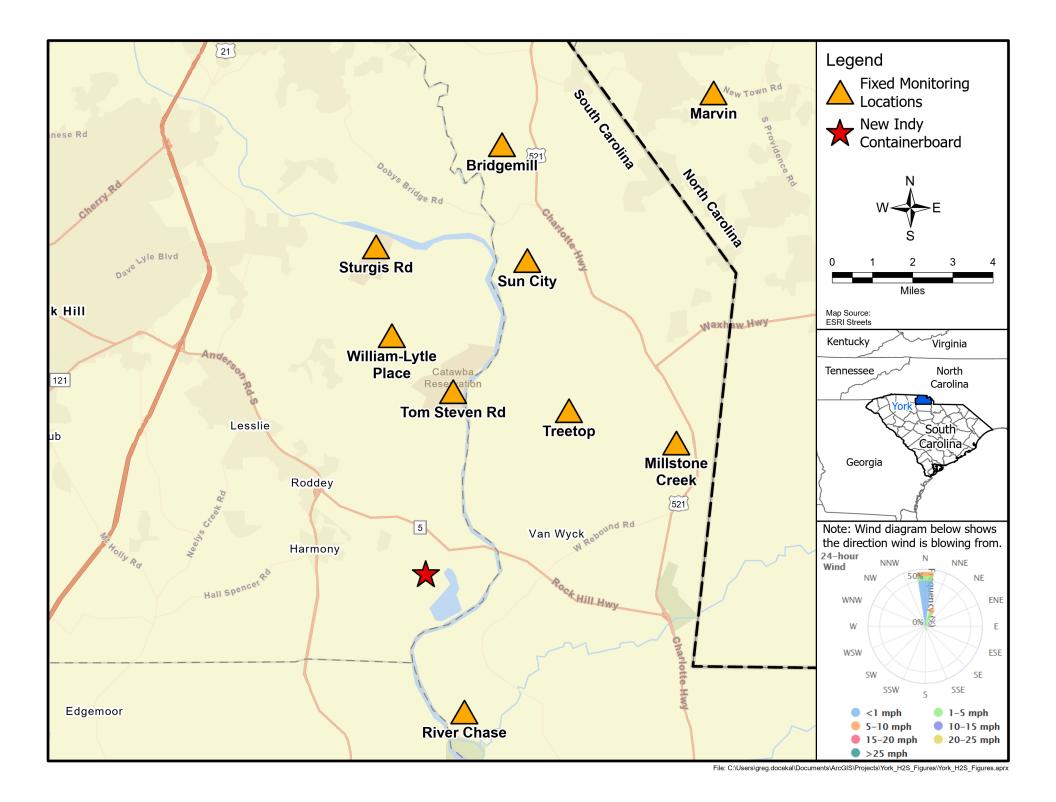
hr Hour

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

H2S

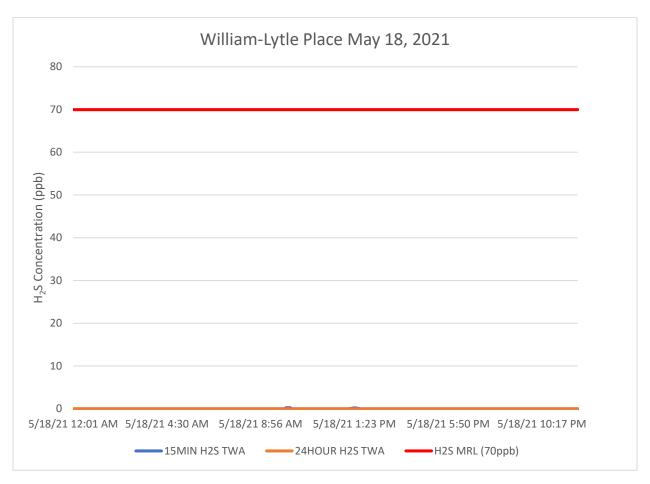


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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. 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 parts per billion: Millstone Creek, Bridgemill, Marvin, and Treetop.



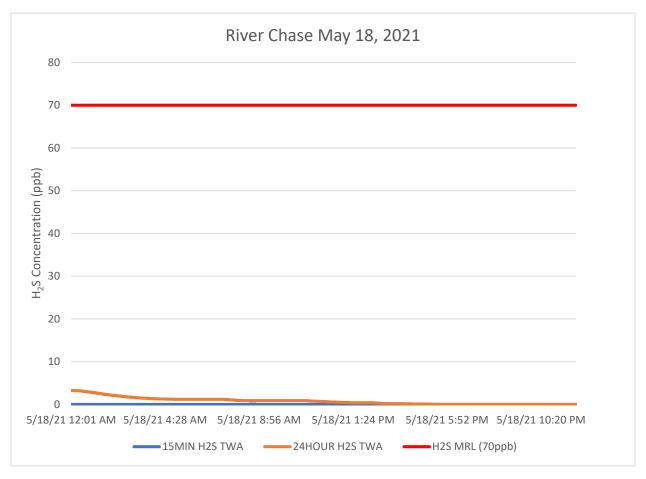
Notes:

H₂S − Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb – Parts per billion

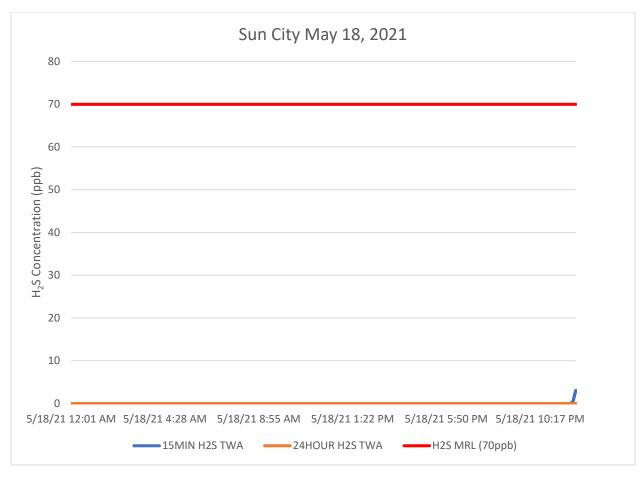


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

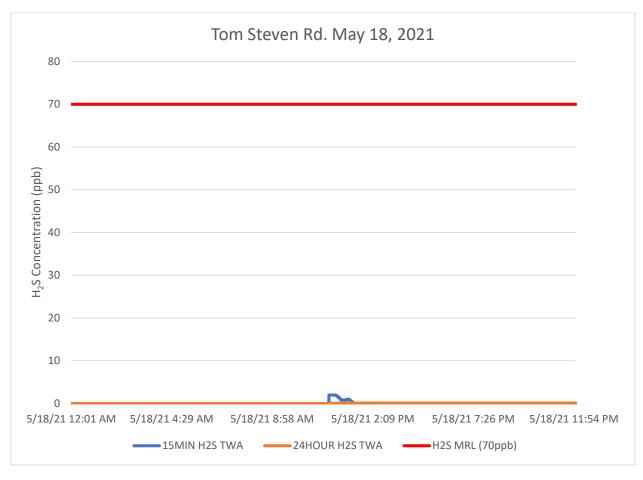


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

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: 5/19/21 To: 5/19/21 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	53798	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	47706	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	53258	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	53790	9248	0 - 9 ppb	0.7 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	53768	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	53462	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	53382	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	53546	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	53854	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	31340	13304	0 - 6 ppb	1.08 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)

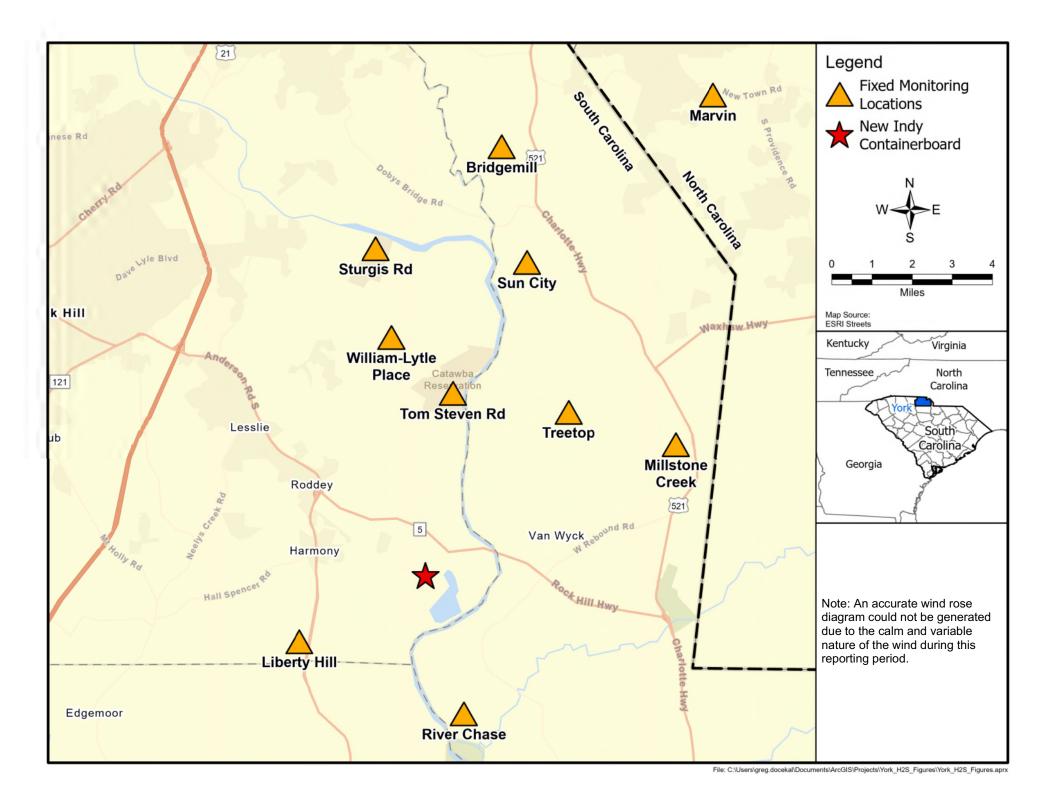
H₂S Hydrogen Sulfide

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

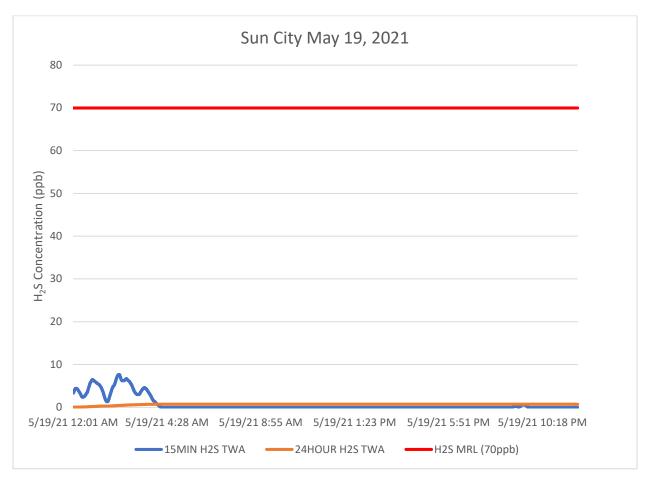


Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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 northeast to southwest. An accurate wind rose diagram could not be generated due to the calm and variable nature of the wind.

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



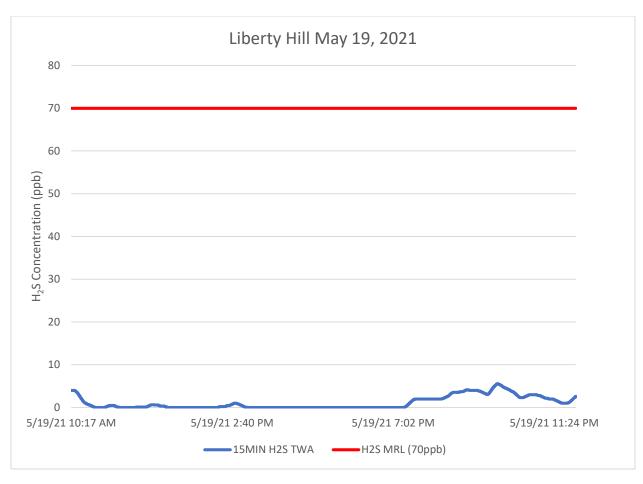
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion



Data collection began at this location at 10:17 in the morning and does not contain 24-hours of data. Therefore, the 24-hr TWA is inaccurate and not graphed for this reporting period.

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: 5/20/21 To: 5/20/21 12:01 AM 11:59 PM



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	53880	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	53242	4538	0 - 2 ppb	0.1 ppb	70 ppb
Aillstone Creek		47000 400			.		
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	54786	2478	0 - 1 ppb	0.05 ppb	70 ppb
un City		ATODD MDI	Normali C	Nomb	ı		
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H2S	No	53730	4088	0 - 8 ppb	0.19 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	53586	1752	0 - 1 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	53123	5230	0 - 1 ppb	0.1 ppb	70 ppb
turgis							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No No	53278	3738	0 - 2 ppb	0.09 ppb	70 ppb
/larvin		17000110					
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53520	0	0 - 0 ppb	0 ppb	70 ppb
reetop		ATSDD MDI	Number of	Number of			
reetop Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL

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

Readings

54770

Number of

Detections

18850

Concentration Range

0 - 16 ppb

Period Average

1.32 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

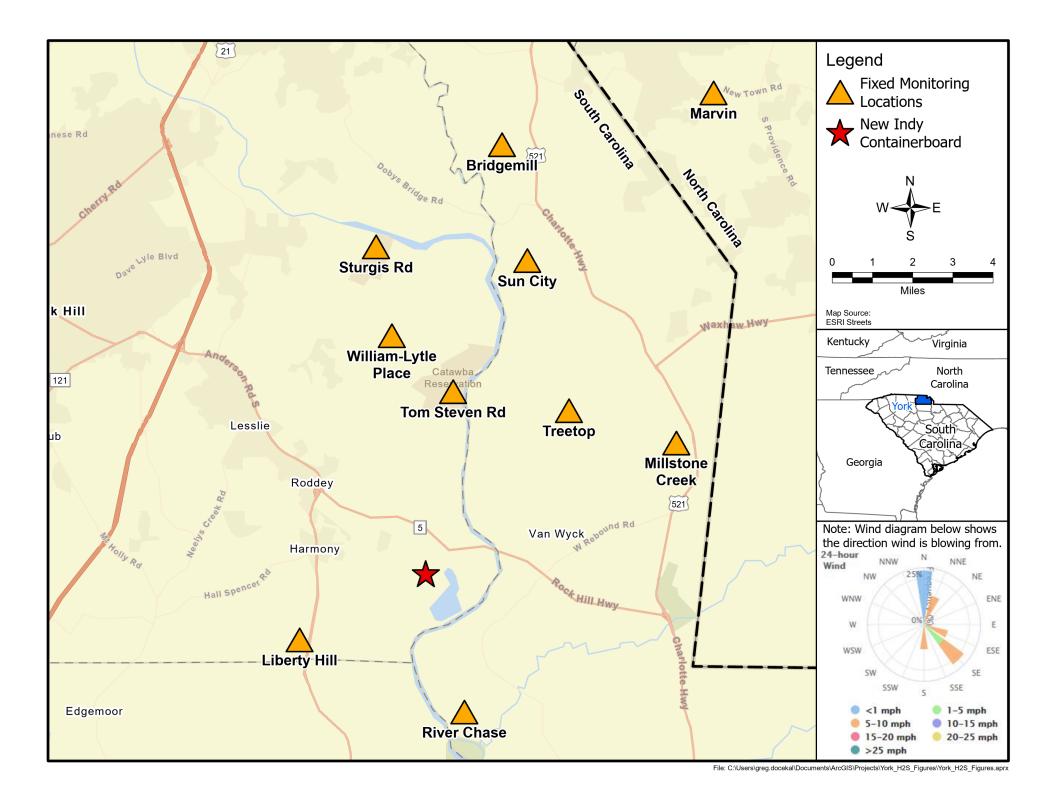
ATSDR MRL

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



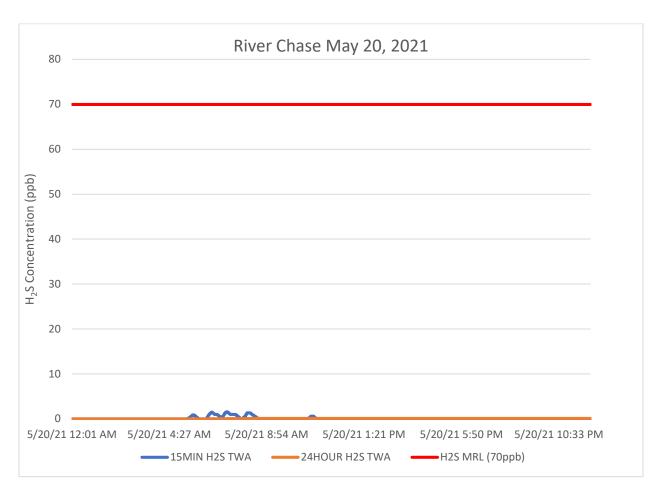
H₂S in South and North Carolina

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 sustained wind direction for this reporting period were mostly calm or lite variable winds out of the 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: William-Lytle Place and Marvin.



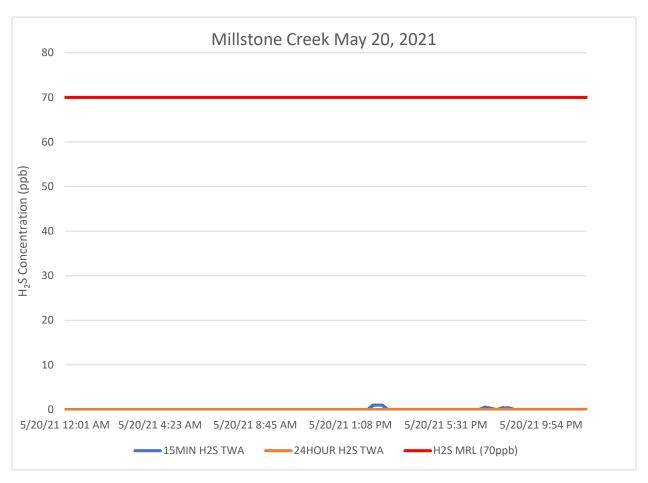
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

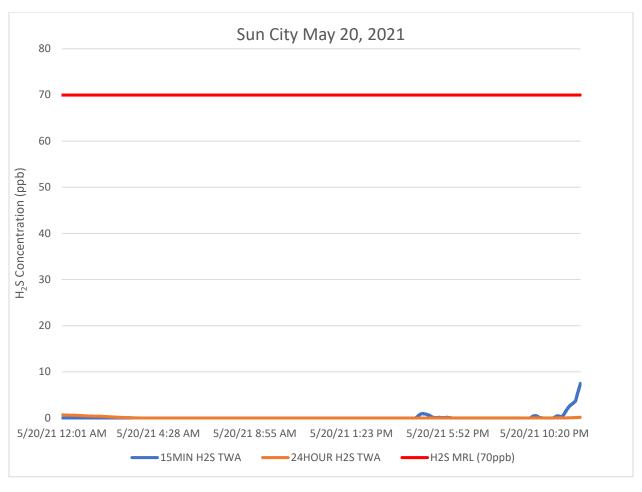


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

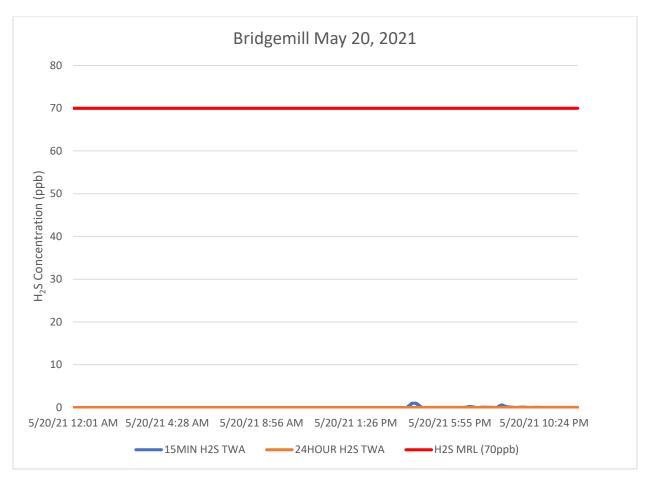


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

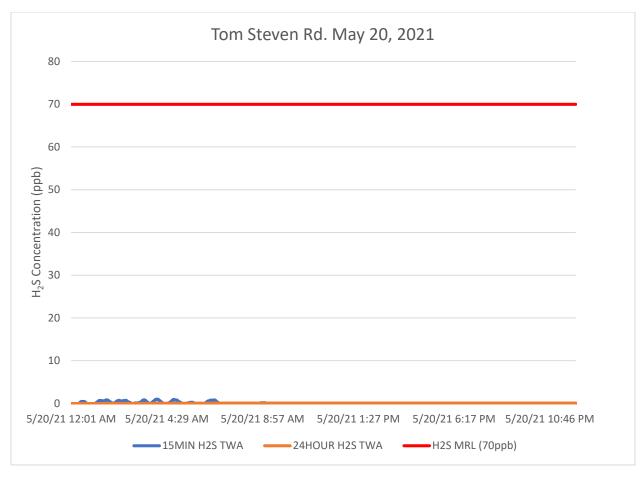


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

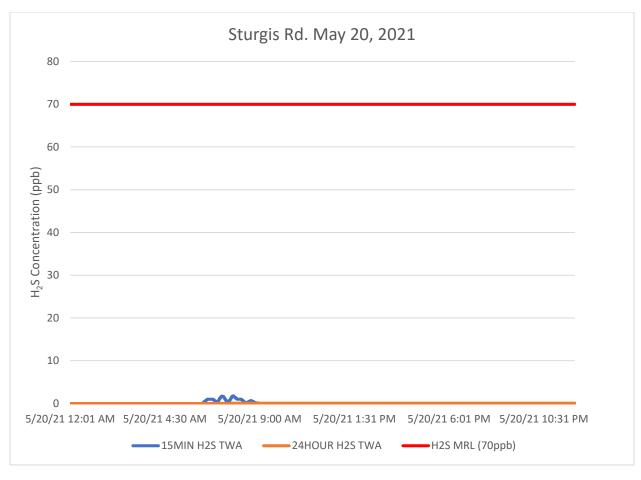


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

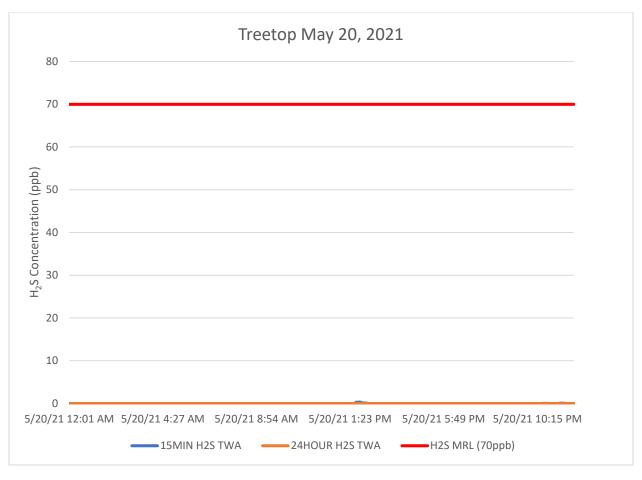


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

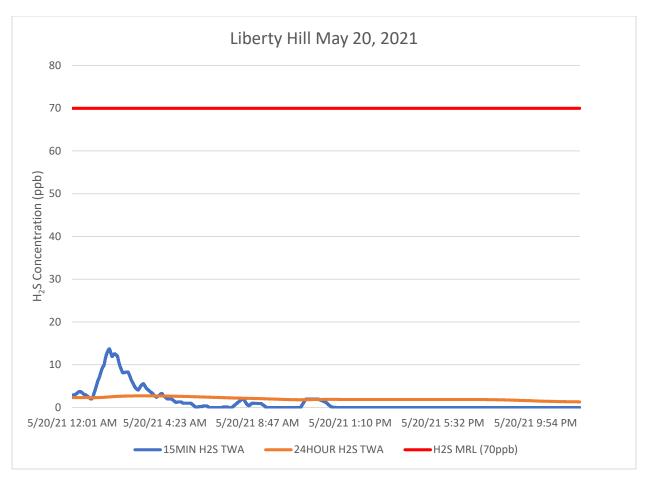


H₂S – Hydrogen Sulfide

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



liam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	53928	2720	0 - 2 ppb	0.05 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	53120	13404	0 - 7 ppb	1.04 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	53150	8708	0 - 2 ppb	0.17 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 No	53842	5310	0 - 8 ppb	0.31 ppb	70 ppb
ridgemill							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	Exceedance?	Readings 53666	Detections 3328	0 - 1 ppb	0.06 ppb	70 ppb
om Steven Rd							
		Action Level	Number of	Number of	l e		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	53598	10652	0 - 3 ppb	0.34 ppb	70 ppb
turgis							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No	53366	460	0 - 1 ppb	0.01 ppb	70 ppb
Marvin (1971)							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53538	828	0 - 1 ppb	0.02 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 No	54012	0	l	0 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

Readings

53307

Number of

Detections

10098

Concentration Range

0 - 4 ppb

Period Average

0.28 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

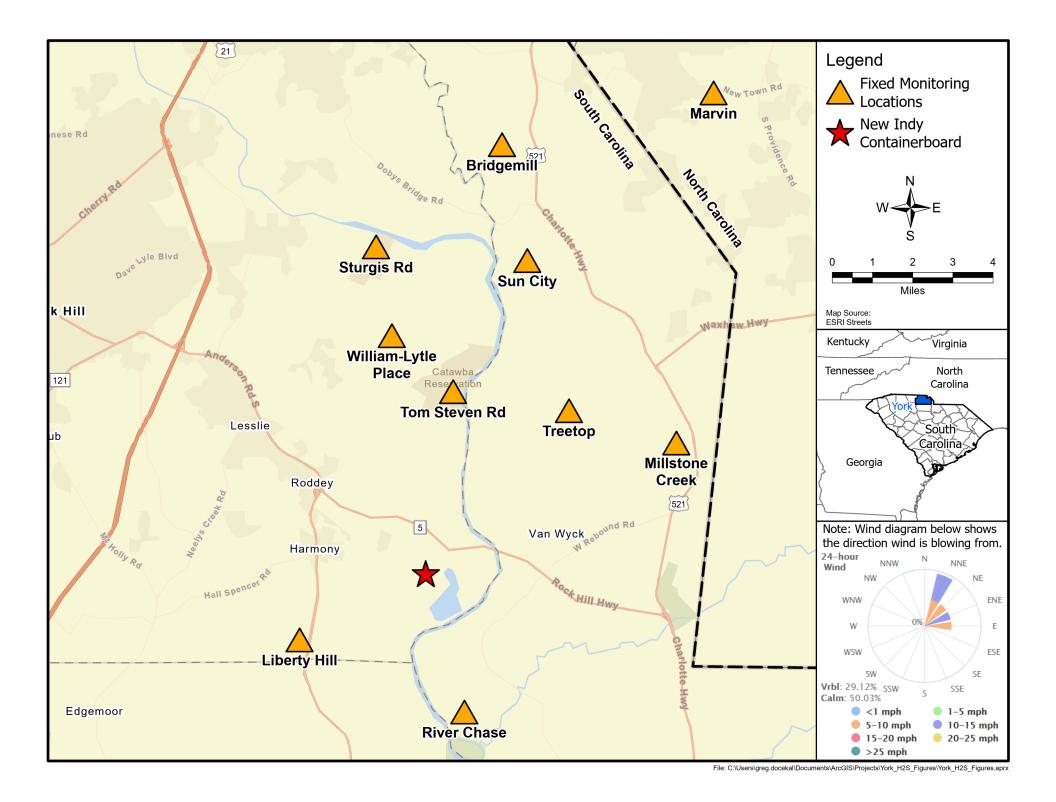
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



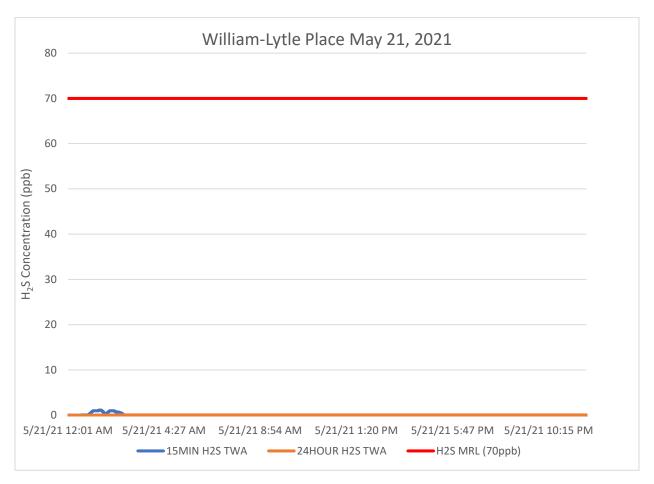
H₂S in South and North Carolina

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 north-northeast with a smaller percentage out of the east. 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 parts per billion: Treetop



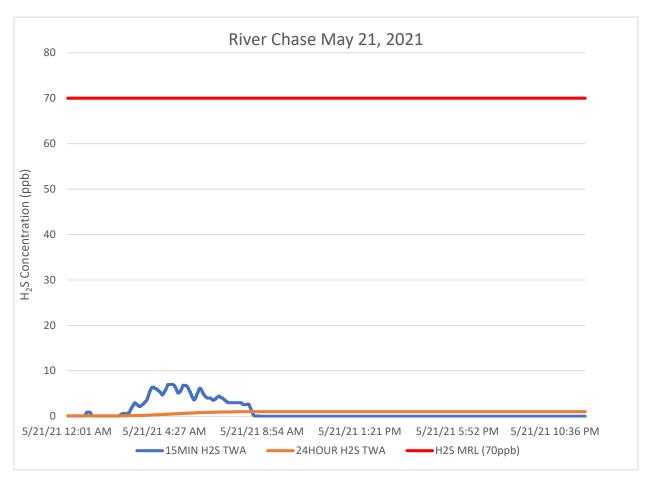
Notes:

H₂S − Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

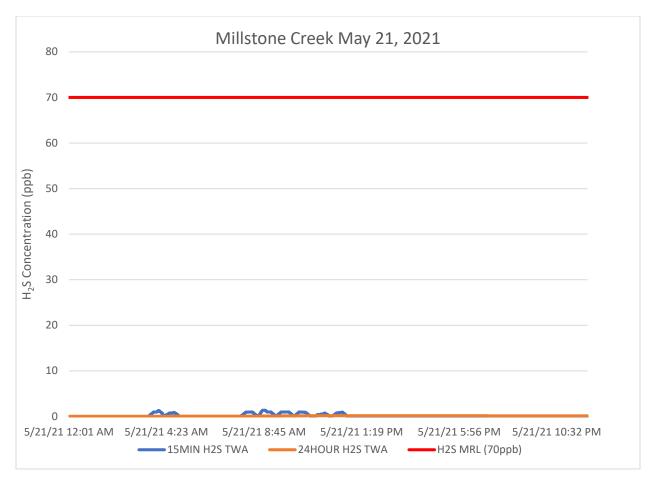


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

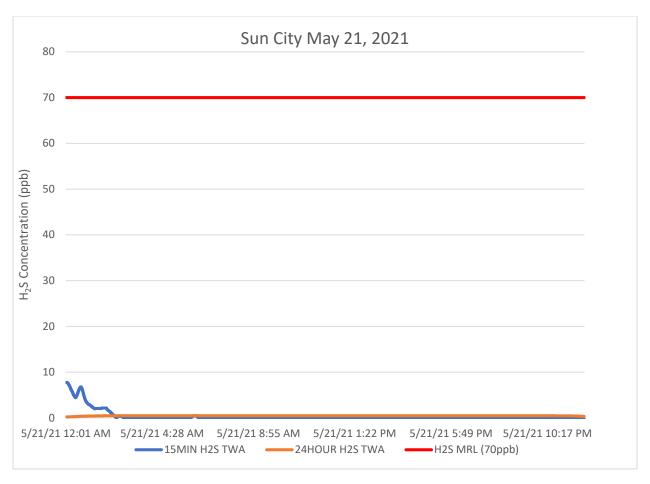


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

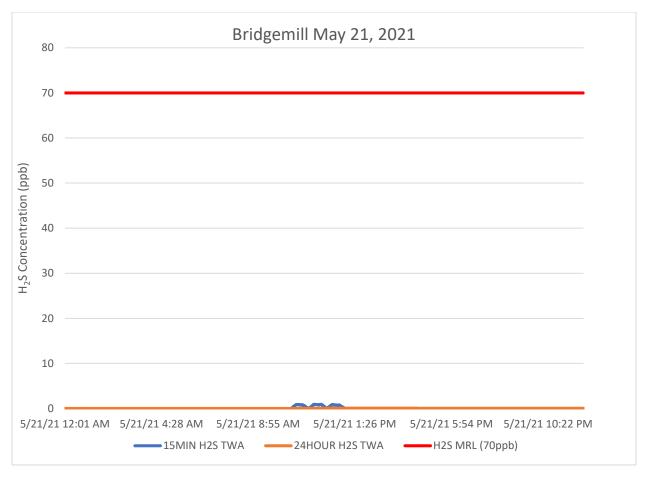


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

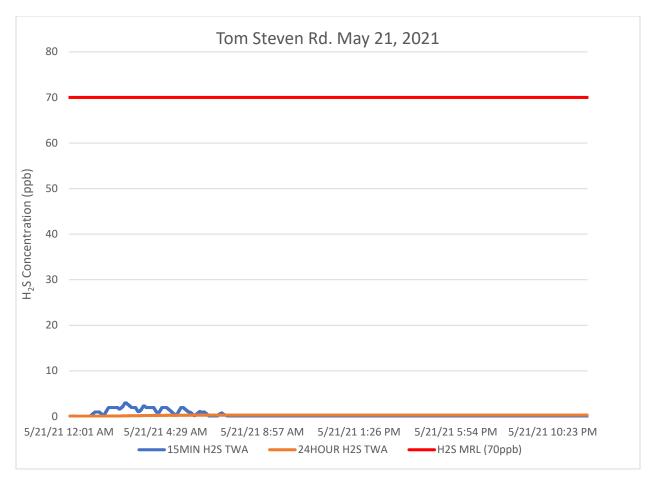


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

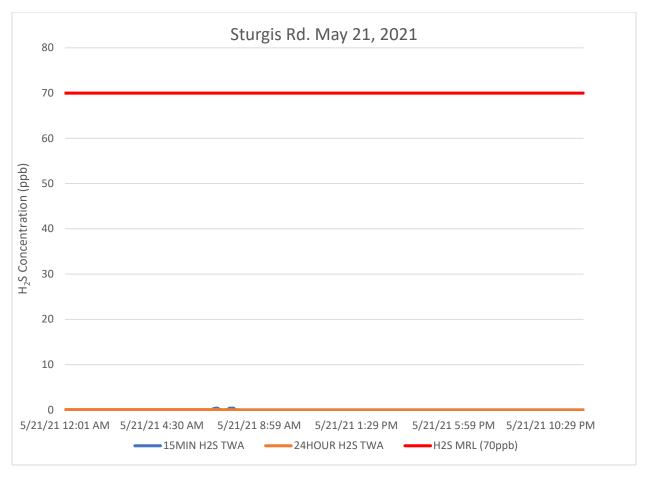


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

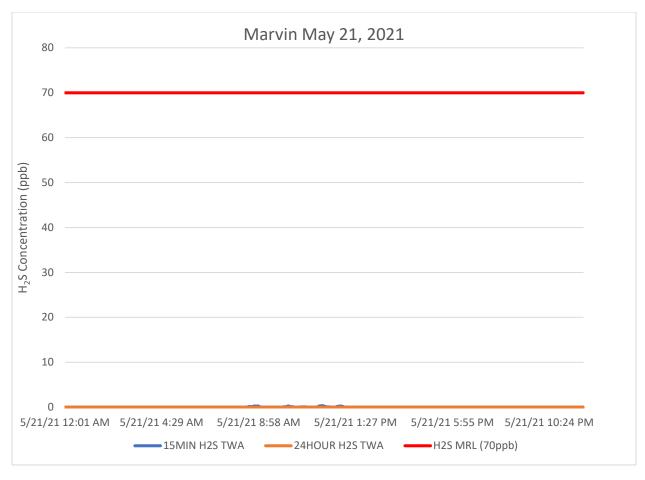


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

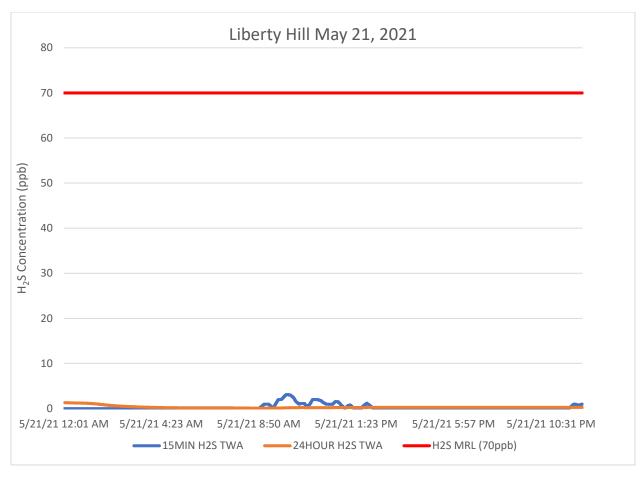


H₂S – Hydrogen Sulfide

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: 5/22/21 To: 5/22/21 12:01 AM 11:59 PM



Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
		Exceedance?	Readings	Detections		-	
SPM Flex 1	H2S	No	53922	0	0 - 0 ppb	0 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	49518	28618	0 - 13 ppb	2.21 ppb	70 ppb
Iillstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52082	5954	0 - 39 ppb	1.78 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	53882	9900	0 - 8 ppb	0.42 ppb	70 ppb
ridgemill						 	
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	53800	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	52567	1692	0 - 1 ppb	0.03 ppb	70 ppb
turgis Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No	53366	182	0 - 1 ppb	0 ppb	70 ppb
larvin							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53522	0	0 - 0 ppb	0 ppb	70 ppb
va a ta u							
reetop	Austra	Action Level	Number of	Number of	O	Baria I Arrana	Antina
Instrument	Analyte	Funna dama : 0	Decilor:	Detection:	Concentration Range	Period Average	Action Level

Liberty Hill							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	52382	19288	0 - 8 ppb	0.99 ppb	70 ppb

Detections

0

Concentration Range

0 - 0 ppb

Period Average

0 ppb

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.

Readings

54030

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

 H_2S Hydrogen Sulfide

hr Hour

ppb Parts per billion

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

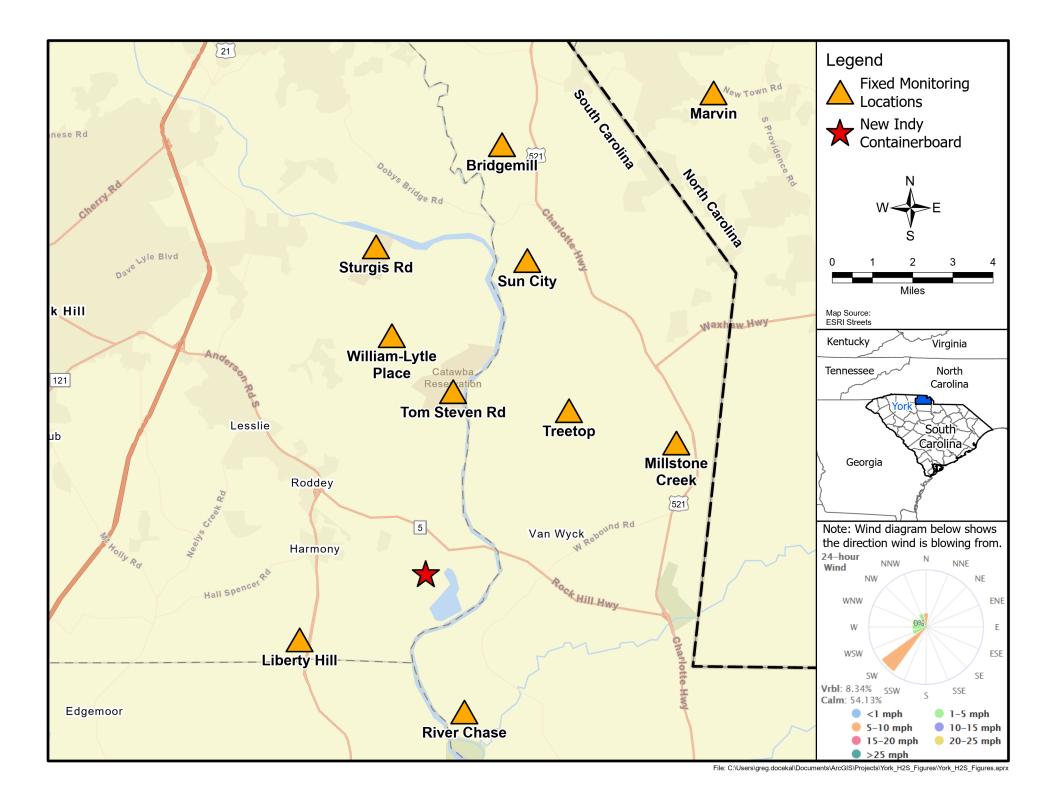
Exceedance?

No

SPM Single Point Monitor TWA Time Weighted Avergage

Analyte

H2S



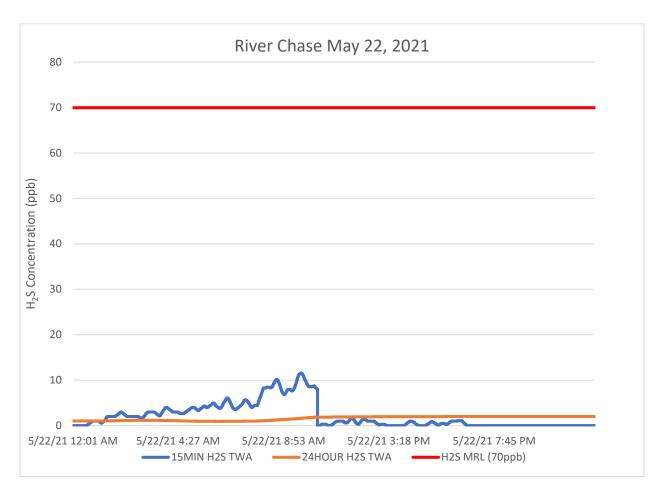
H₂S in South and North Carolina

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 a smaller percentage out of the north. 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, Marvin, and Treetop.



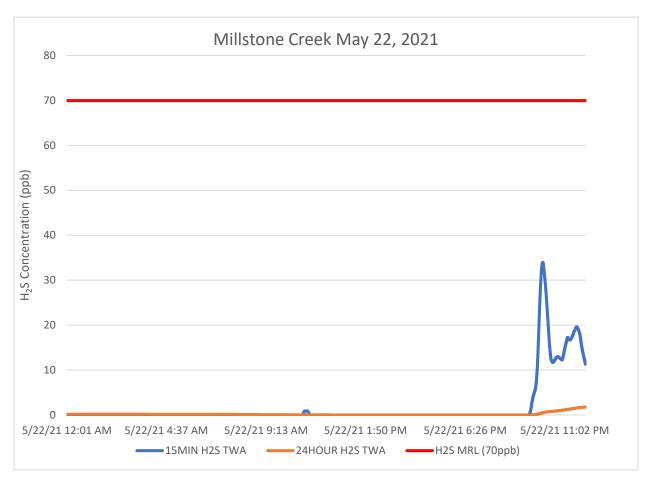
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

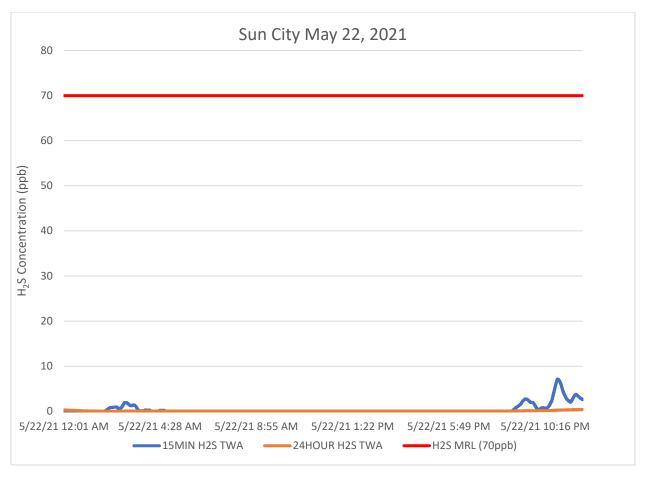


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

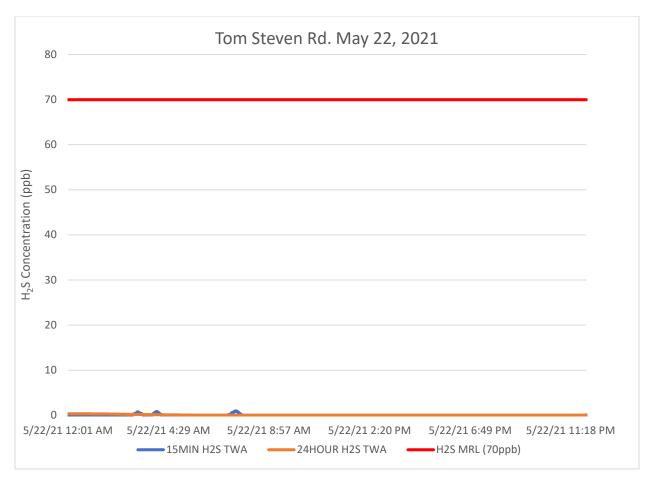


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

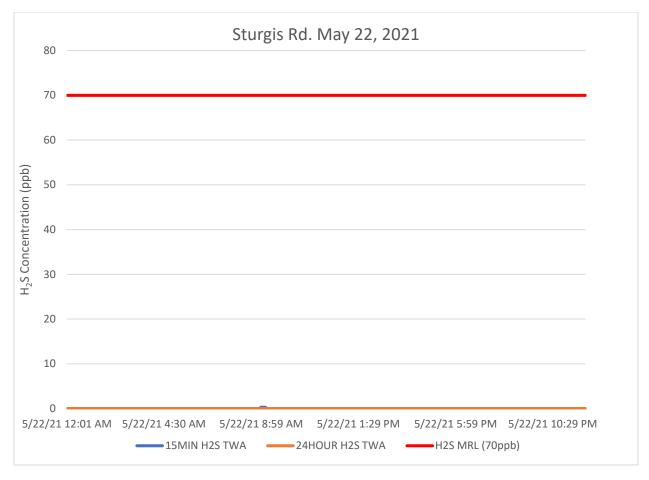


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

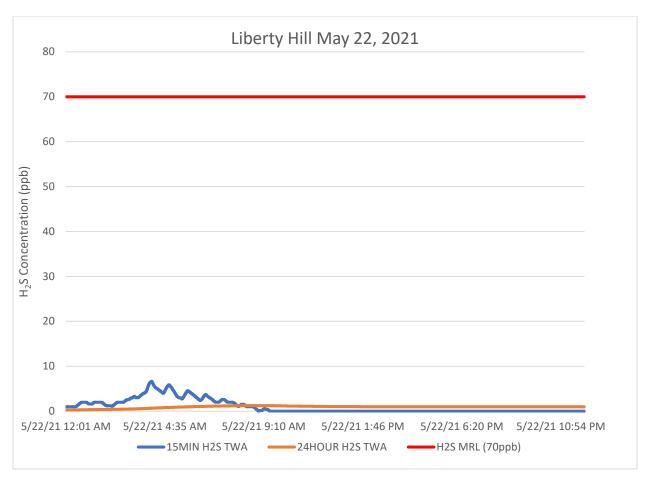


H₂S – Hydrogen Sulfide

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

Project Name: H₂S in South and North Carolina

From: 5/23/21 To: 5/23/21 12:01 AM 11:59 PM



· .		1	T			,	
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	53874	0	0 - 0 ppb	0 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	53826	8822	0 - 13 ppb	0.79 ppb	70 ppb
lillstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52064	21020	0 - 50 ppb	6.61 ppb	70 ppb
un City							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	Exceedance?	Readings 53880	Detections 14184	0 - 6 ppb	0.55 ppb	70 ppb
ridgemill		Action Level	Number of	Number of			
Instrument	Analyte	Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	53804	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	53530	17800	0 - 16 ppb	1.84 ppb	70 ppb
turgis Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No	53282	0	0 - 0 ppb	0 ppb	70 ppb
larvin							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	Exceedance?	Readings 53542	Detections 0	0 - 0 ppb	0 ppb	70 ppb
reetop		Action Level	Number of	Number of	I		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H2S	No	53980	4790	0 - 1 ppb	0.09 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

47926

Number of

Detections

0

Concentration Range

0 - 0 ppb

Period Average

0 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

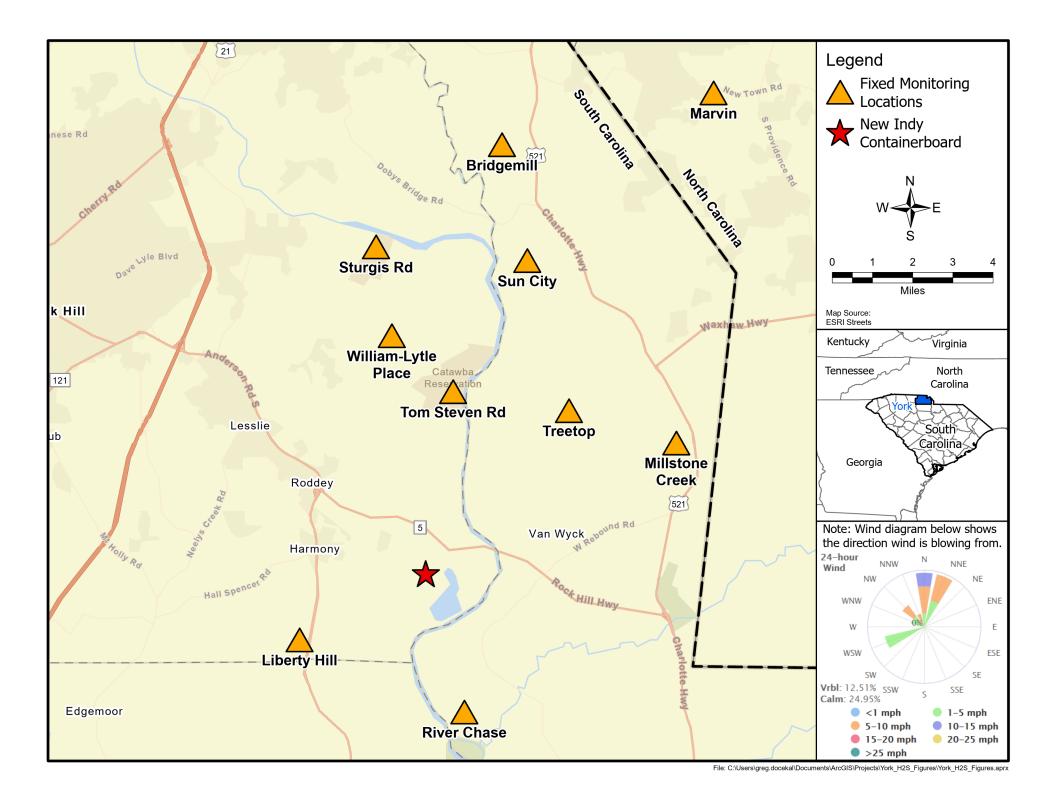
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



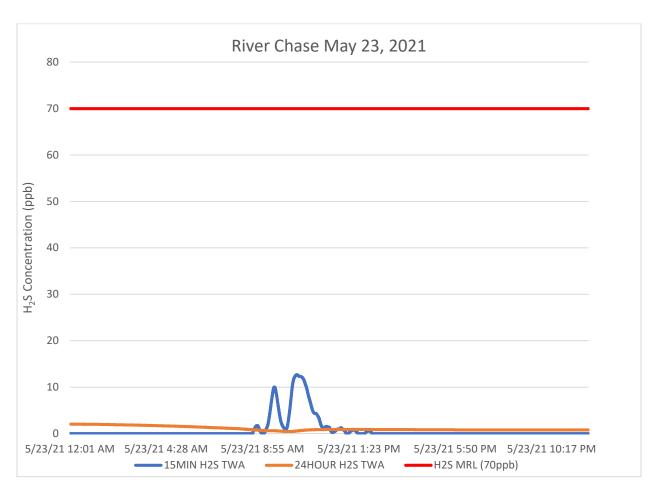
H₂S in South and North Carolina

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 out of the north and north-northeast with a smaller percentage out of the west-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, Marvin, and Liberty Hill.



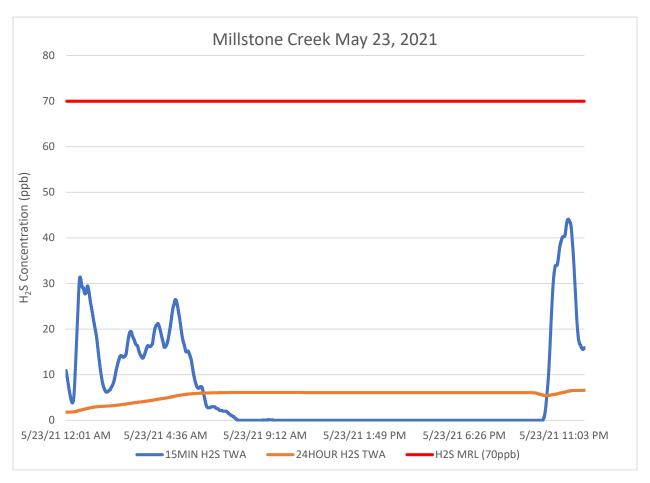
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

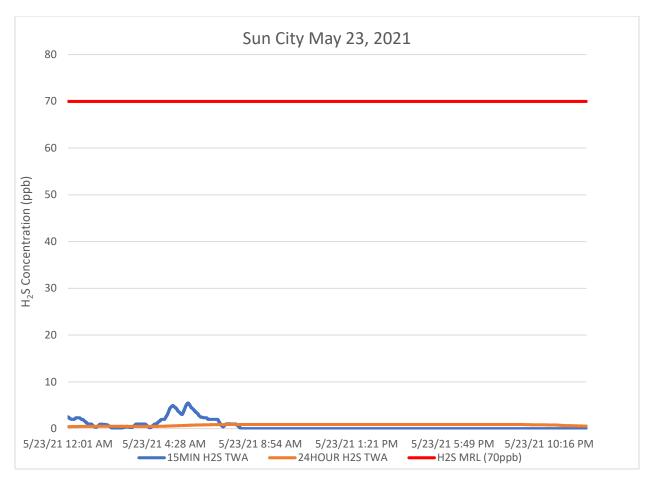


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

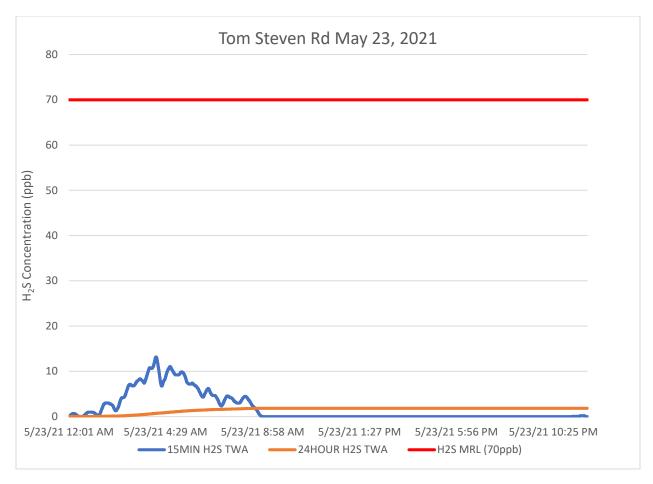


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

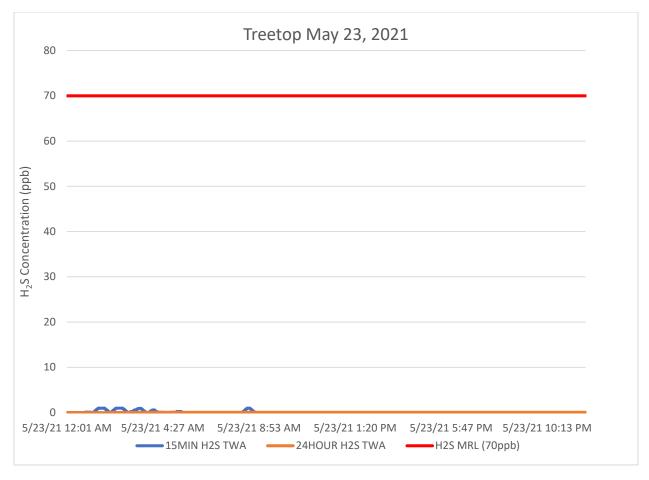


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



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: 5/24/21 To: 5/24/21 12:01 AM 11:59 PM



liam-Lytle Place		Antinu I aval	Number of	Normalism of	T		
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	48896	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	53796	18548	0 - 25 ppb	3.15 ppb	70 ppb
Aillstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52006	4910	0 - 20 ppb	0.61 ppb	70 ppb
Sun City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No	53870	9340	0 - 3 ppb	0.3 ppb	70 ppb
Bridgemill							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No No	53792	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	50702	4264	0 - 1 ppb	0.08 ppb	70 ppb
turgis Rd							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	Exceedance? No	Readings 53130	Detections 0	0 - 0 ppb	0 ppb	70 ppb
Ai-							
Marvin		Action Level	Number of	Number of	l e		
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53496	0	0 - 0 ppb	0 ppb	70 ppb
reetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
		Exceedance:	neauliya	Detections	ļ		

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

Readings

52454

Number of

Detections

2422

Concentration Range

0 - 2 ppb

Period Average

0.07 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

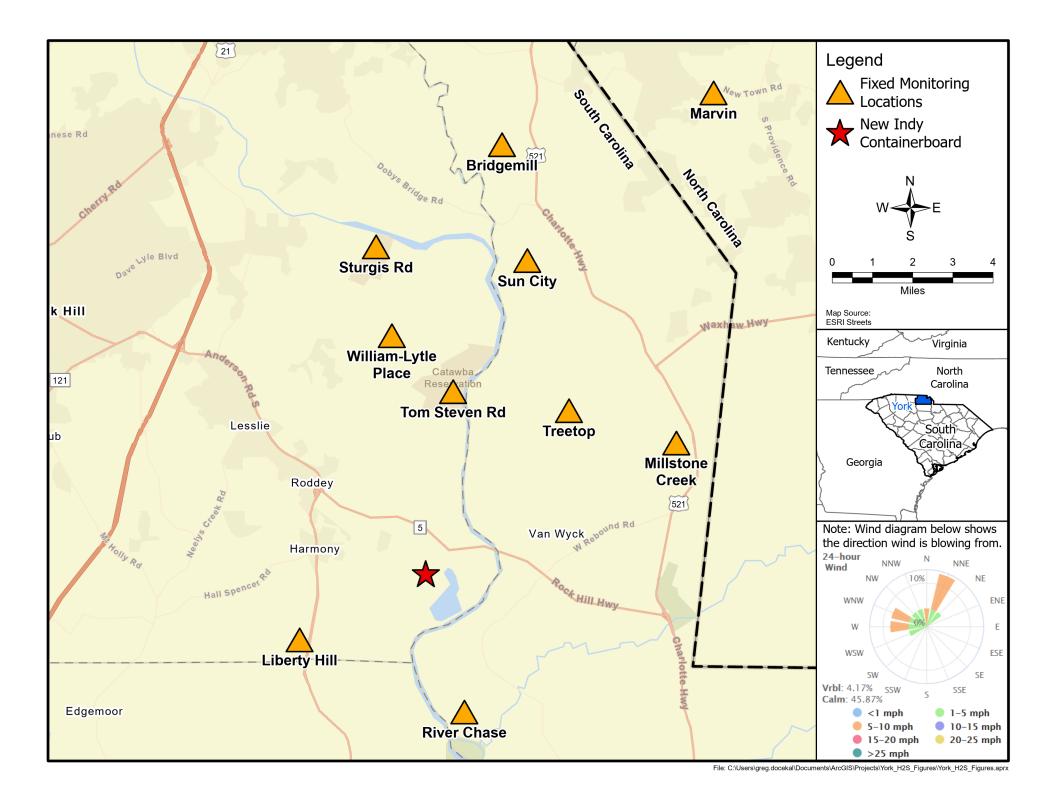
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



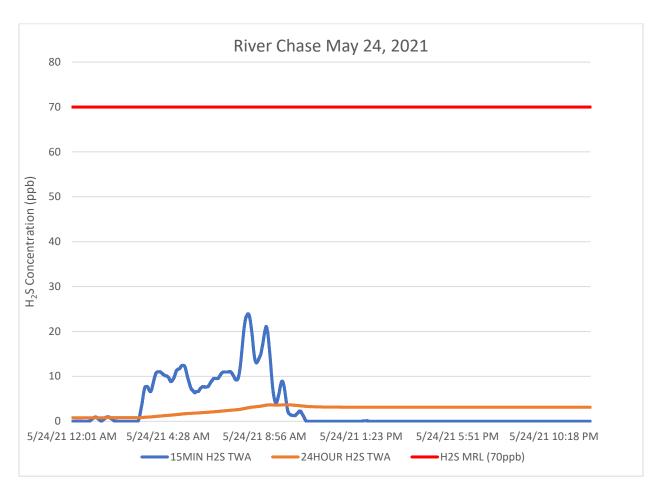
H₂S in South and North Carolina

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 out of the north-northeast with a smaller percentage out of the west and west-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, Sturgis Rd, and Marvin.



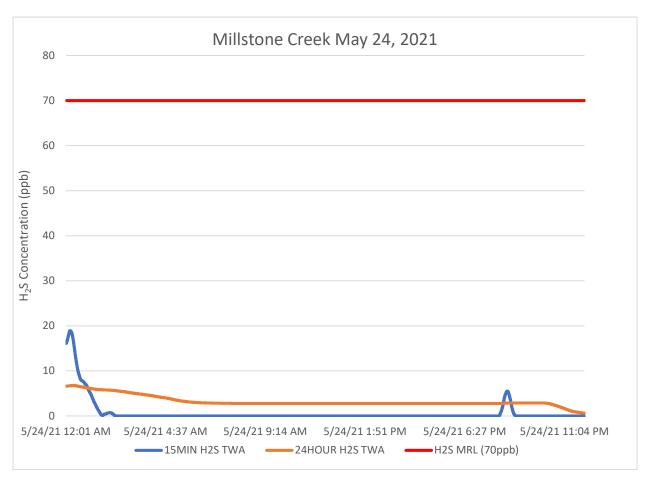
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

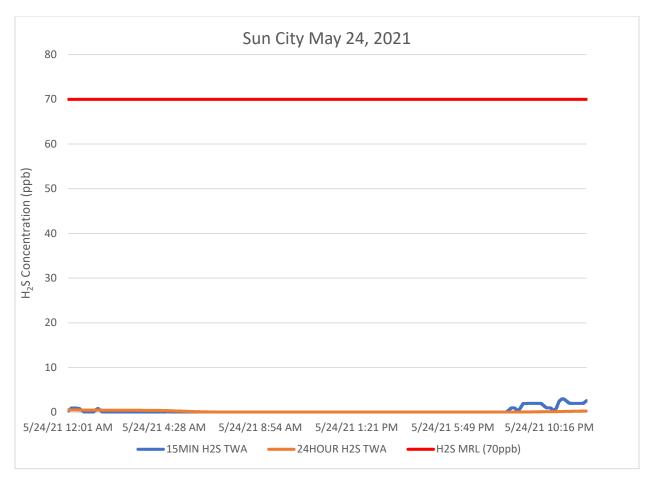


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

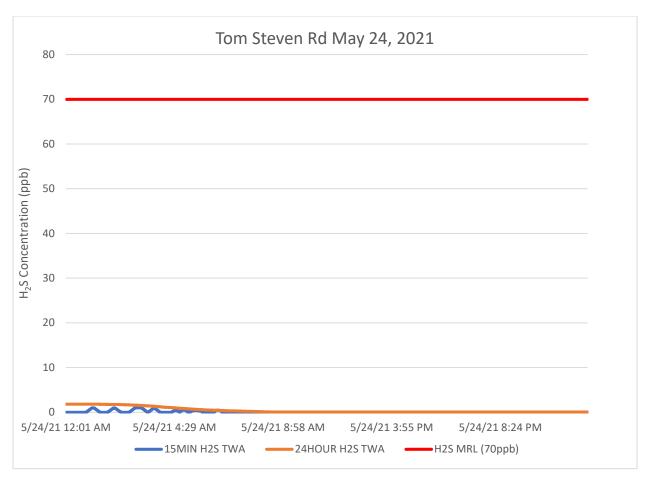


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

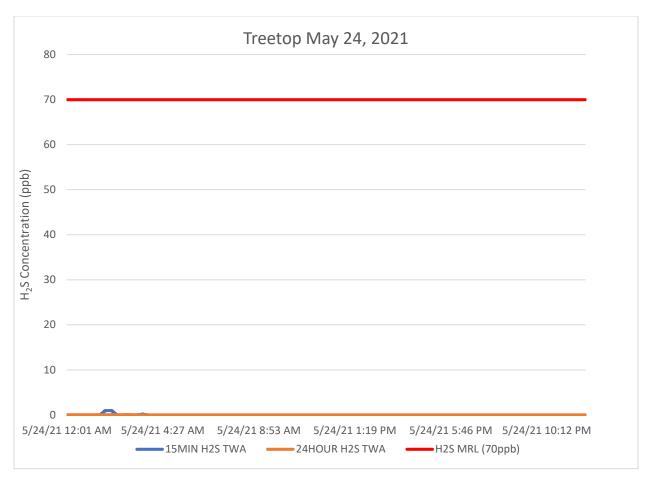


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

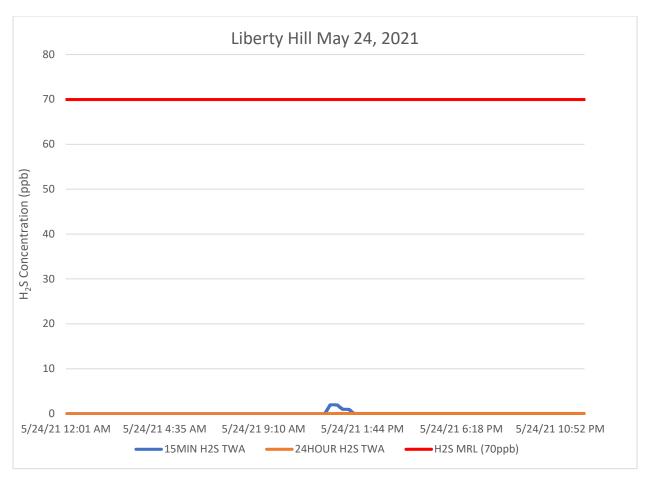


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



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: 5/25/21 To: 5/25/21 12:01 AM 11:59 PM



Action Level

70 ppb

	12.01 AW			11.55 1 101		AL I	ROTE
'illiam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54220	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	53868	8524	0 - 2 ppb	0.2 ppb	70 ppb
Allistana Corali							
Millstone Creek		Action Level	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	51966	2236	0 - 3 ppb	0.09 ppb	70 ppb
iun City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No	53754	1240	0 - 3 ppb	0.04 ppb	70 ppb
Bridgemill							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
		Exceedance?	Readings	Detections	_	-	
SPM Flex 5	H2S	No	53784	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	53516	1342	0 - 2 ppb	0.03 ppb	70 ppb
turgis Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No No	53014	0	0 - 0 ppb	0 ppb	70 ppb
Marvin		1		1	T	·	
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53578	0	0 - 0 ppb	0 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	54248	218	0 - 1 ppb	0 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.

11786

Readings

51626

Concentration Range

0 - 12 ppb

Period Average

0.71 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

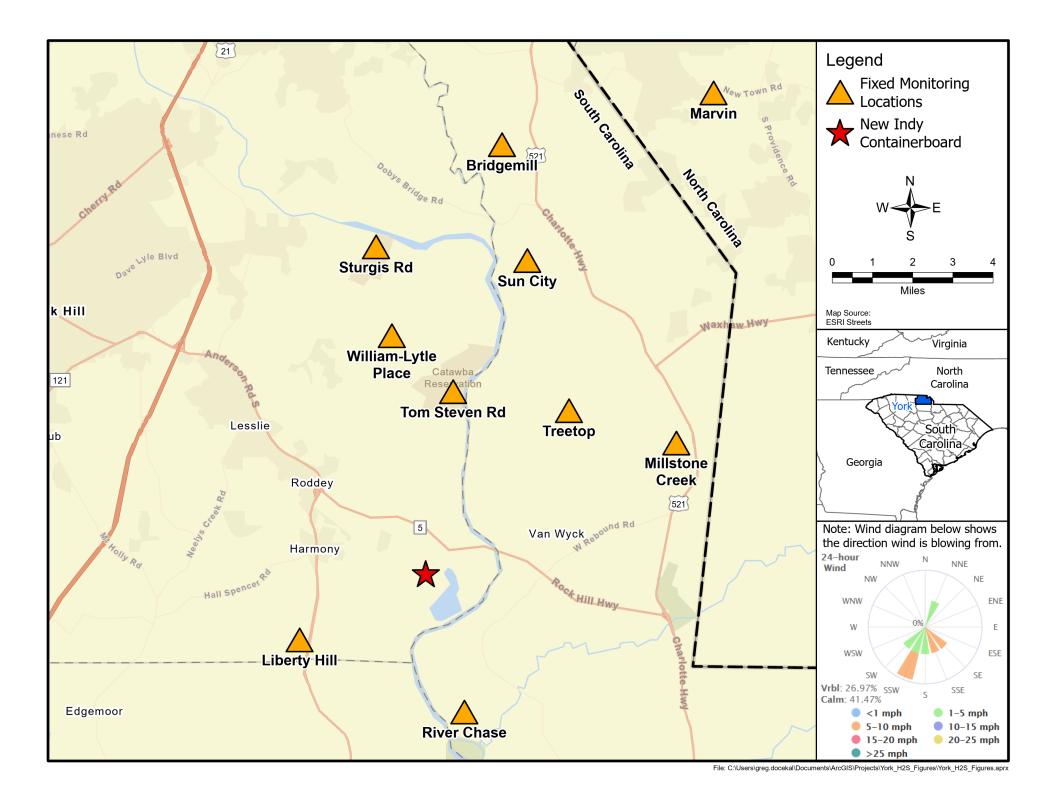
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



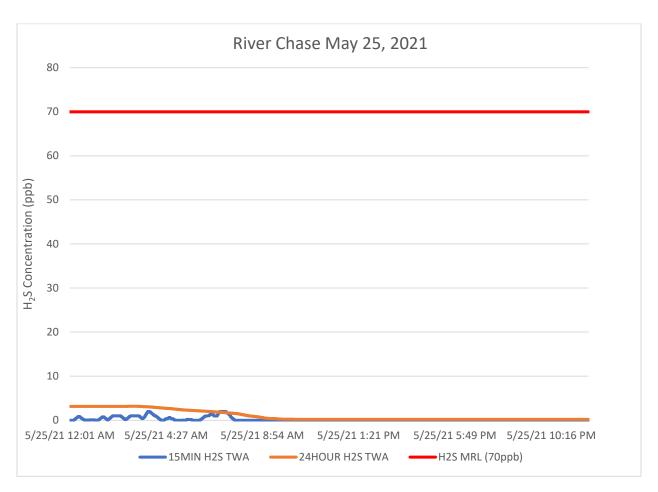
H₂S in South and North Carolina

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 predominately calm with some sustained winds out of the south-southwest with a smaller percentage out of the south-southeast 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: William-Lytle Place, Bridgemill, Sturgis Rd, and Marvin.



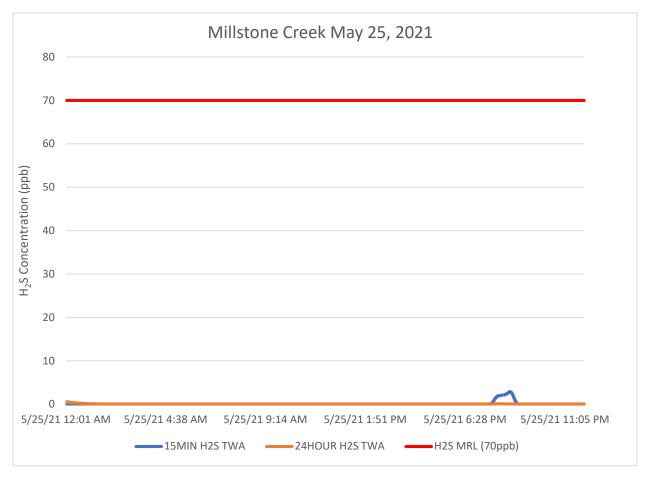
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

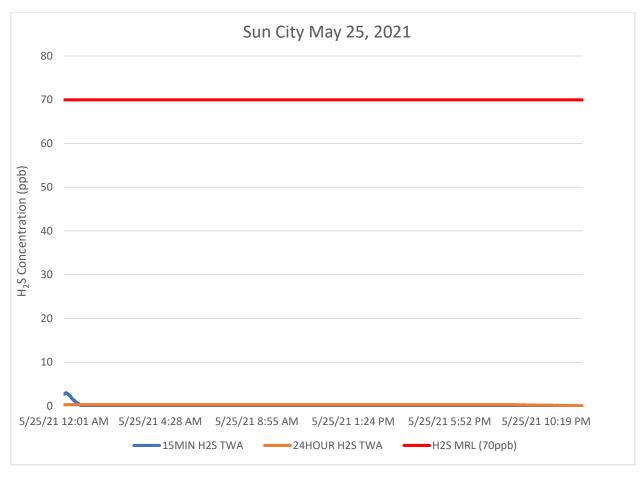


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

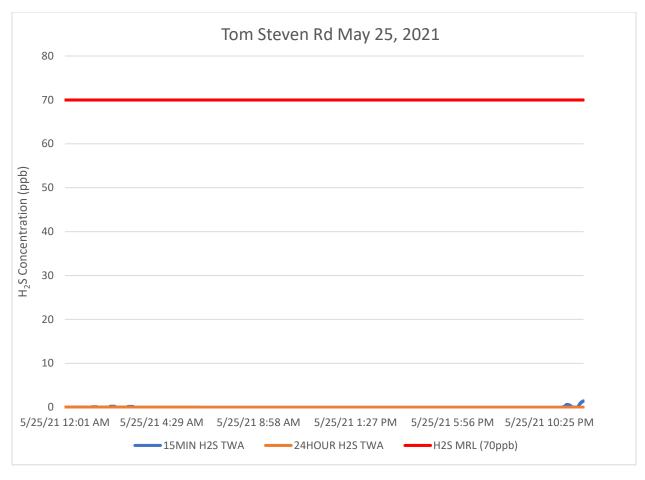


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

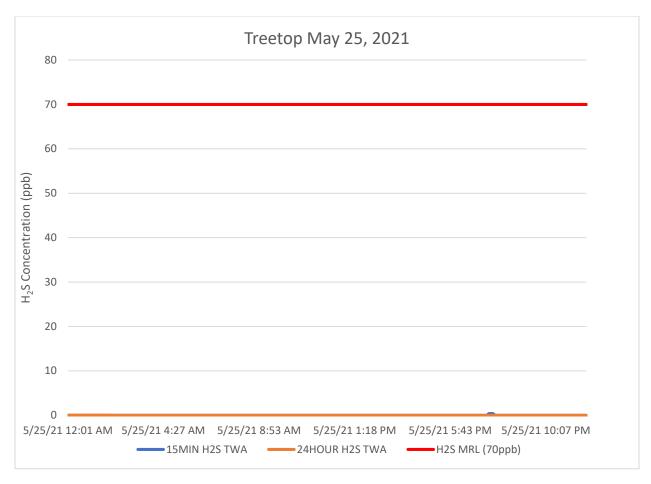


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

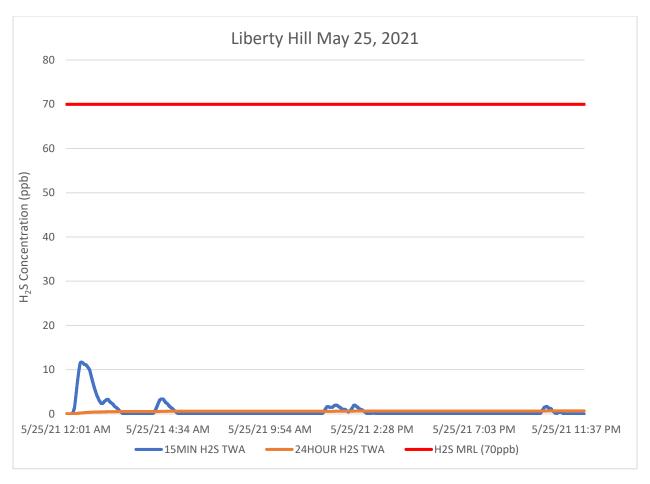


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



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: 5/26/21 To: 5/26/21 12:01 AM 11:59 PM



William-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54242	4790	0 - 5 ppb	0.16 ppb	70 ppb
River Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	53776	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 3	H2S	No	51956	10916	0 - 3 ppb	0.33 ppb	70 ppb			

Sun City	Sun City										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level				
SPM Flex 4	H2S	No	53724	2910	0 - 2 ppb	0.06 ppb	70 ppb				

Bridgemill									
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level		
SPM Flex 5	H2S	No	53758	0	0 - 0 ppb	0 ppb	70 ppb		

Tom Steven Rd	Tom Steven Rd										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level				
SPM Flex 6	H2S	No	52518	9276	0 - 3 ppb	0.28 ppb	70 ppb				

Sturgis Rd										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 7	H2S	No	52920	156	0 - 1 ppb	0 ppb	70 ppb			

Marvin	Marvin										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level				
SPM Flex 8	H2S	No	53530	3132	0 - 2 ppb	0.07 ppb	70 ppb				

Treetop	Treetop									
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 9	H2S	No	54450	9448	0 - 5 ppb	0.47 ppb	70 ppb			

Liberty Hill	Liberty Hill									
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 10	H2S	No	52412	0	0 - 0 ppb	0 ppb	70 ppb			

Notes:

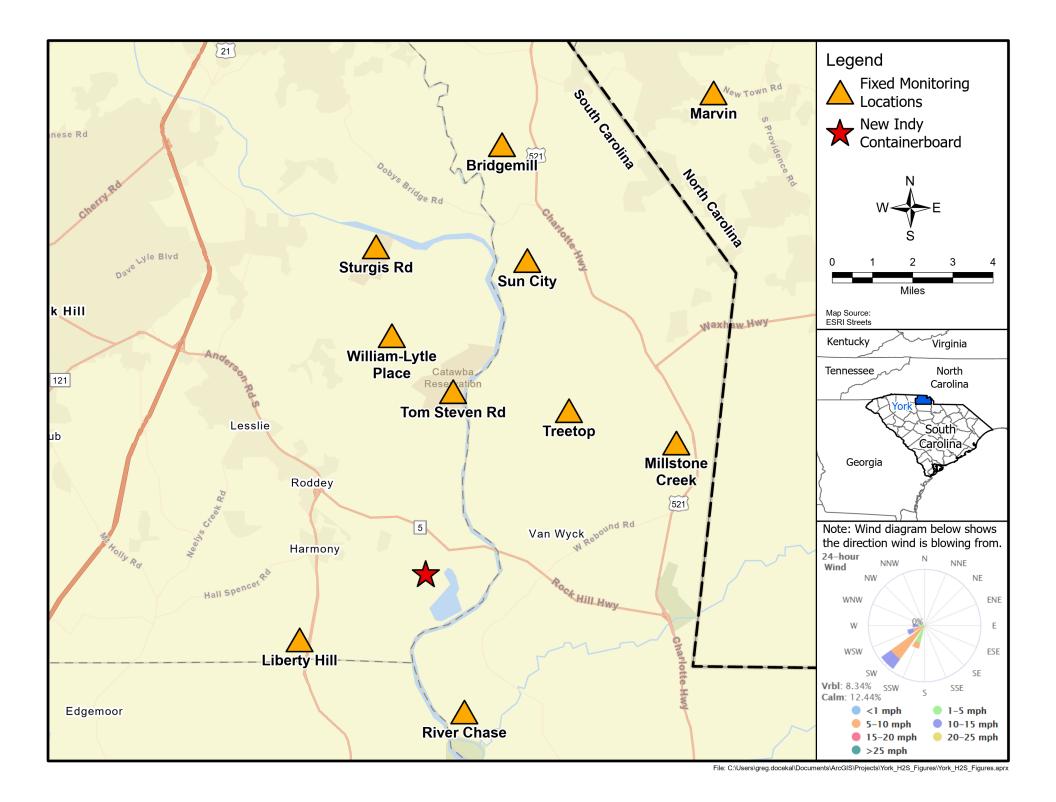
Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

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



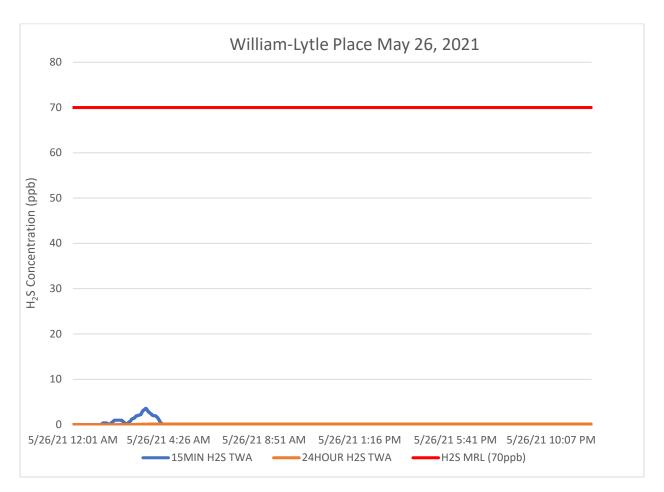
H₂S in South and North Carolina

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 southwest with a smaller percentage out of the 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, Bridgemill, and Liberty Hill.



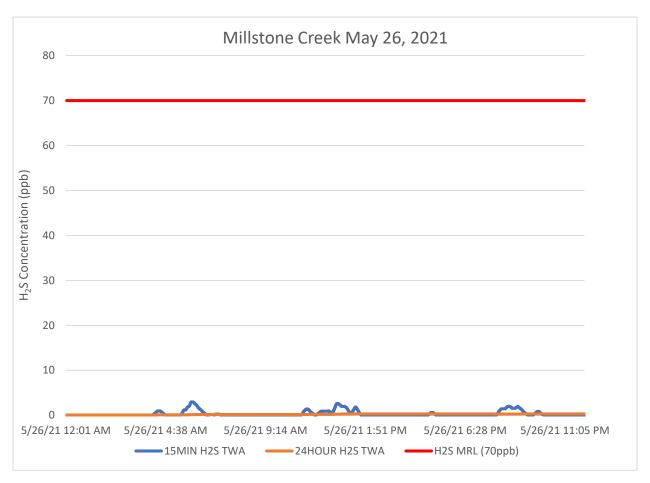
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb – Parts per billion

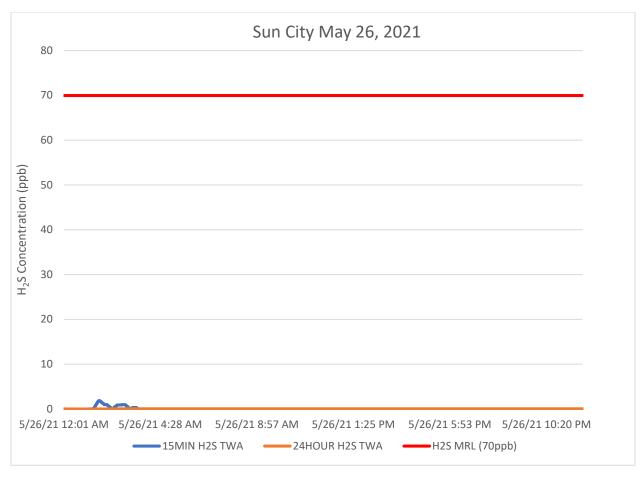


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

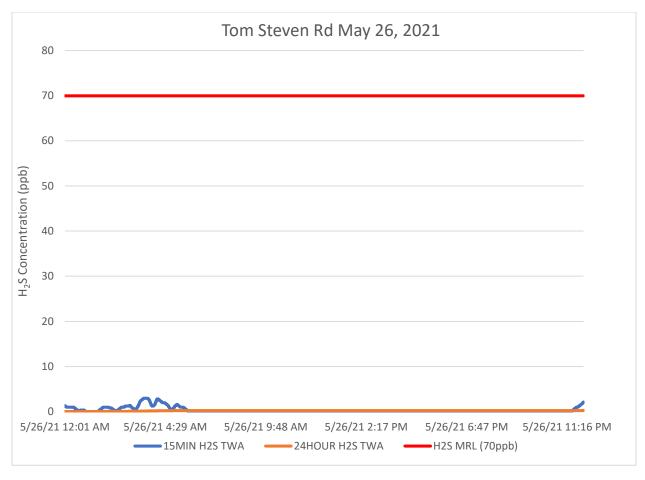


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

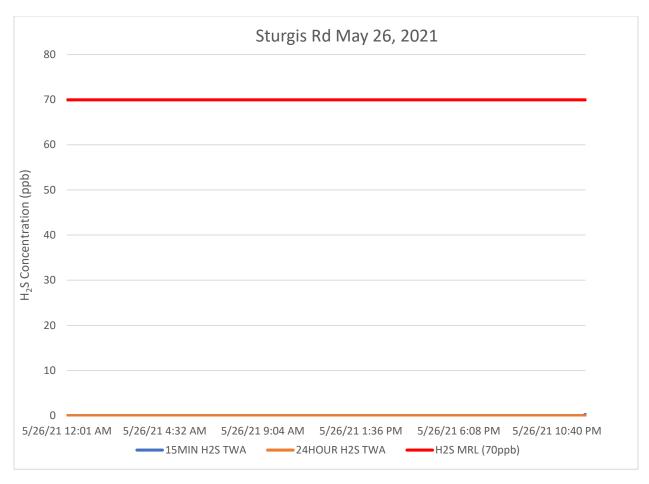


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

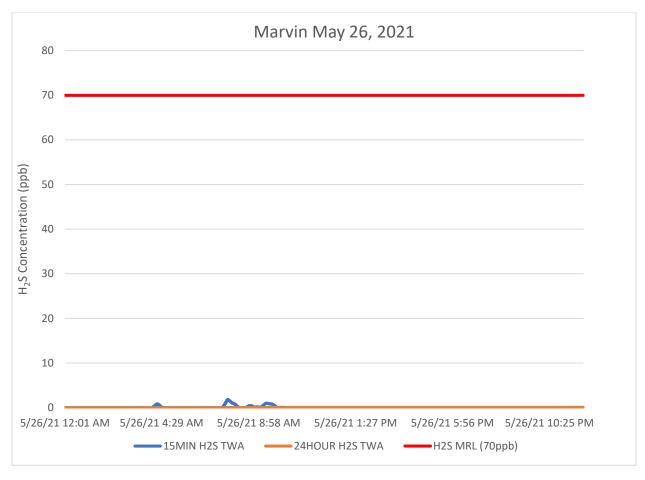


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

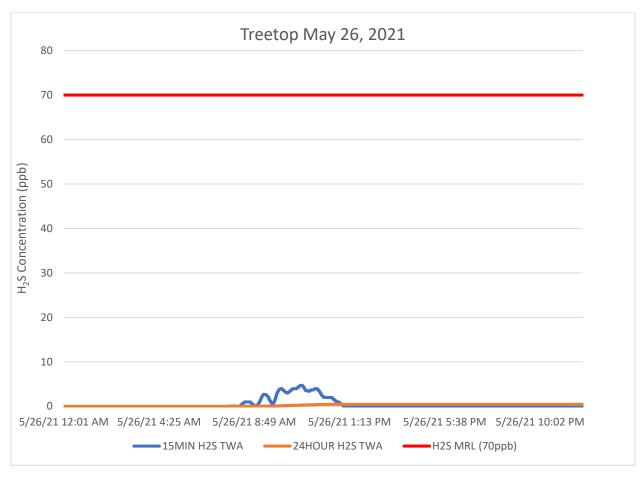


H₂S – Hydrogen Sulfide

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

Project Name: H₂S in South and North Carolina

From: 5/27/21 To: 5/27/21 12:01 AM 11:59 PM



William-Lytle Place										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 1	H2S	No	54264	676	0 - 2 ppb	0.02 ppb	70 ppb			
SPM Flex 1	H2S	No	54264	676	0 - 2 ppb	0.02 ppb	70 pp			

River Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	53726	4152	0 - 23 ppb	0.69 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52040	17302	0 - 8 ppb	1.21 ppb	70 ppb

Sun City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No	53814	0	0 - 0 ppb	0 ppb	70 ppb

Bridgemill							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	53804	278	0 - 1 ppb	0.01 ppb	70 ppb

Tom Steven Rd											
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level				
SPM Flex 6	H2S	No	53524	16070	0 - 21 ppb	0.9 ppb	70 ppb				

Sturgis Rd											
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level				
SPM Flex 7	H2S	No	52954	646	0 - 3 ppb	0.02 ppb	70 ppb				

Marvin										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 8	H2S	No	53578	134	0 - 1 ppb	0 ppb	70 ppb			

Treetop										
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level			
SPM Flex 9	H2S	No	54442	968	0 - 1 ppb	0.02 ppb	70 ppb			

Liberty Hill							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	49505	3758	0 - 15 ppb	0.35 ppb	70 ppb

Notes:

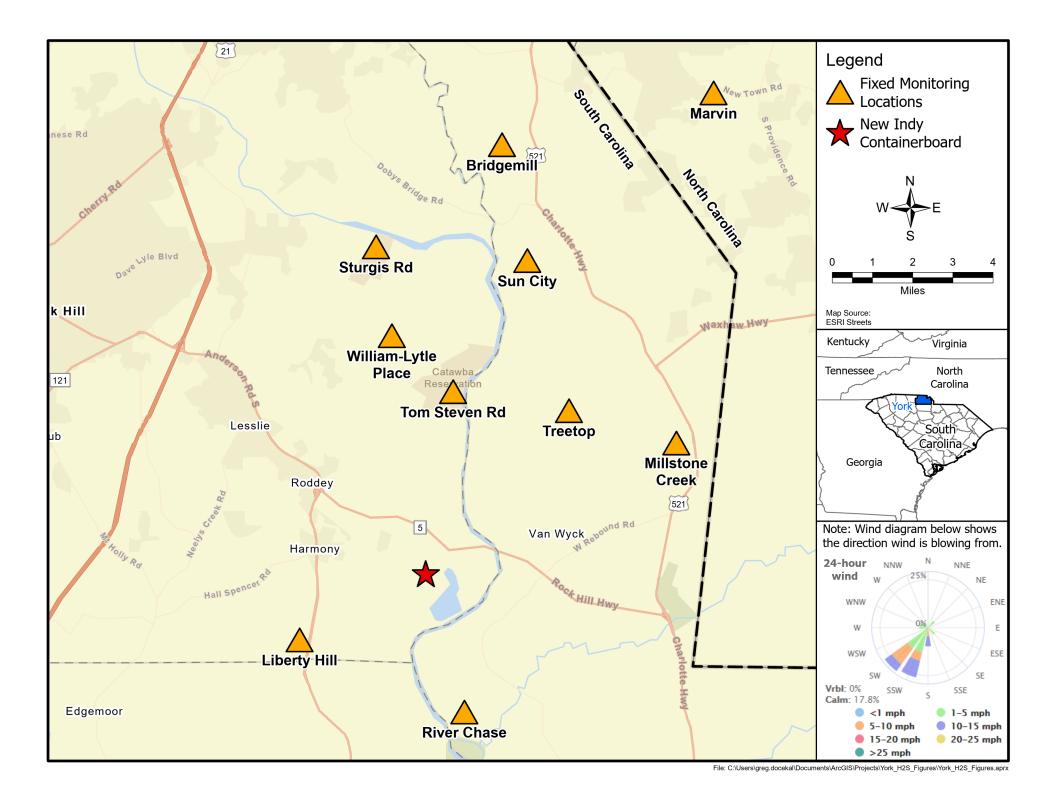
Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

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



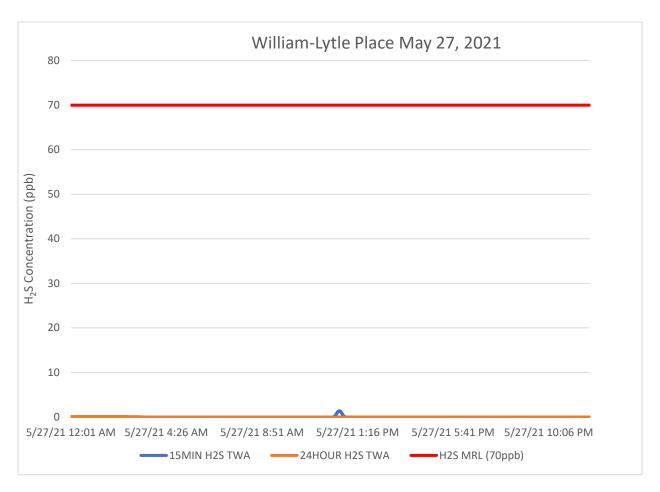
H₂S in South and North Carolina

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 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: Sun City



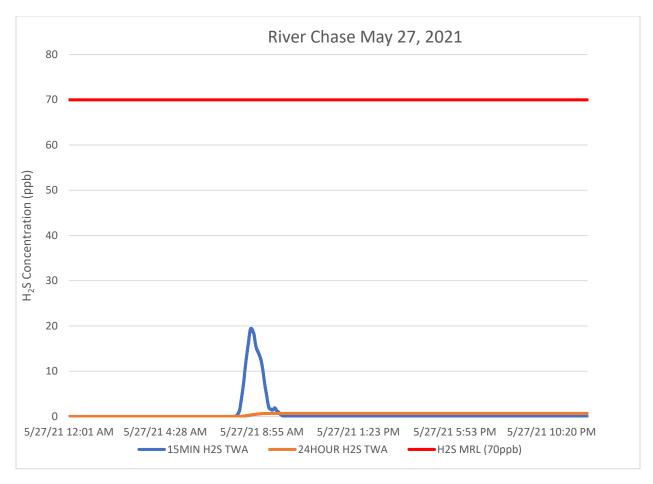
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb – Parts per billion

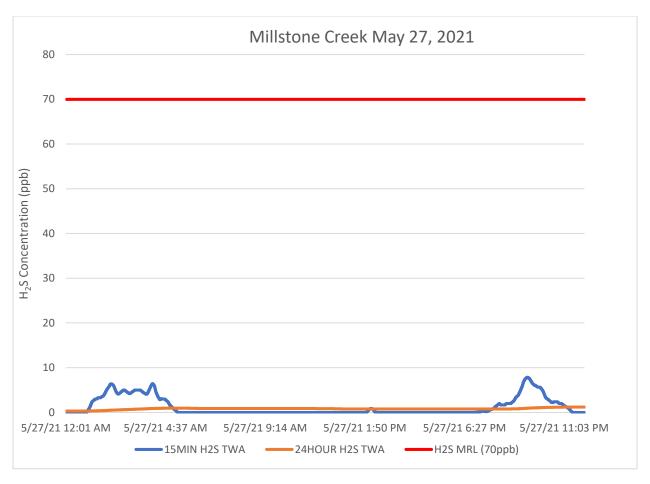


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

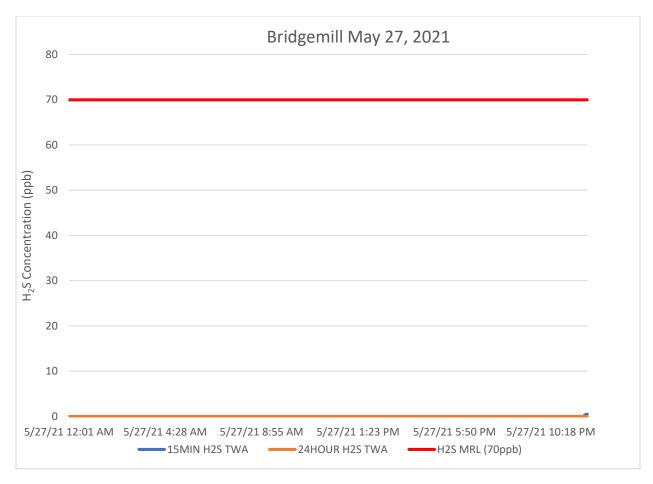


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

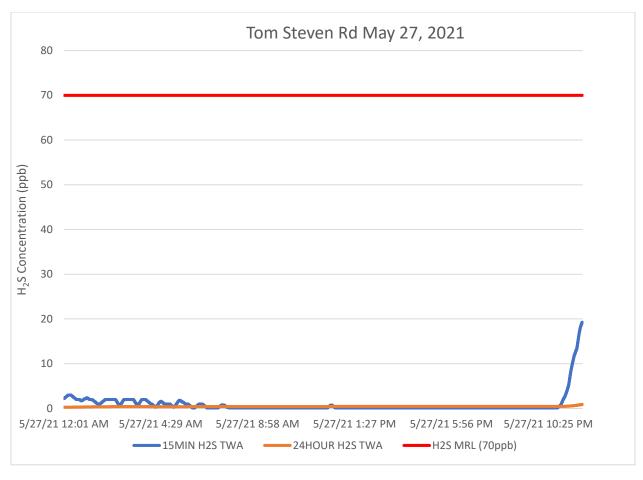


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

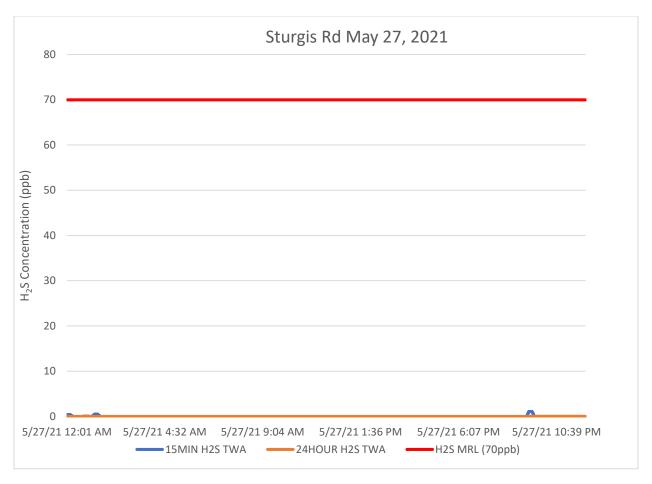


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

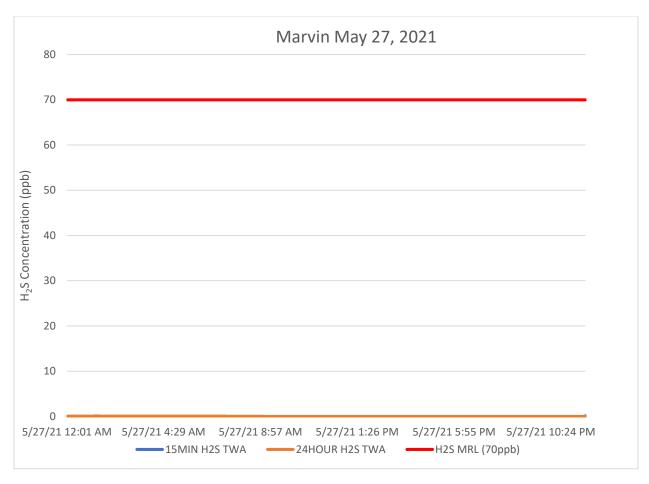


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

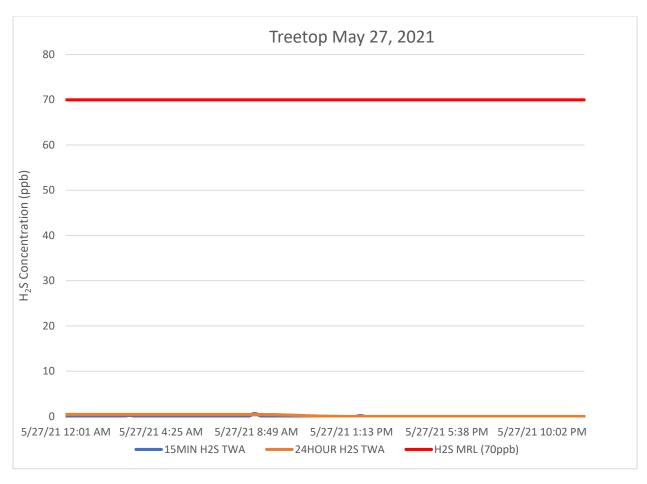


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

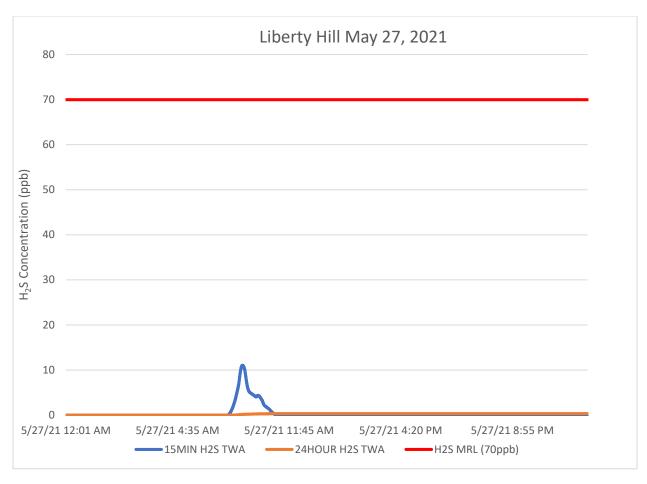


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

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: 5/28/21 To: 5/28/21 12:01 AM 11:59 PM



Villiam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54296	6552	0 - 4 ppb	0.25 ppb	70 ppb
River Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	53719	0	0 - 0 ppb	0 ppb	70 ppb
Millstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No No	51994	6156	0 - 4 ppb	0.24 ppb	70 ppb
Sun City							
Instrument	Analyte	Action Level Exceedance?	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No No	Readings 53886	Detections 19784	0 - 7 ppb	1.12 ppb	70 ppb
- 11							
Bridgemill Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No No	53724	19590	0 - 8 ppb	1.43 ppb	70 ppb
Tom Steven Rd							
Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	Exceedance? No	Readings 46721	Detections 16184	0 - 31 ppb	5.07 ppb	70 ppb
Sturgis Rd		Action Level	Number of	Number of			
Instrument	Analyte	Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No	52930	10538	0 - 5 ppb	0.39 ppb	70 ppb
Marvin							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53524	10246	0 - 4 ppb	0.28 ppb	70 ppb
Treetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
			- Itouumigo				

N	^ +	_

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.

54446

Number of

Readings

52324

17532

Number of

Detections

0

0 - 14 ppb

Concentration Range

0 - 0 ppb

1.35 ppb

Period Average

0 ppb

70 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

No

Action Level

Exceedance?

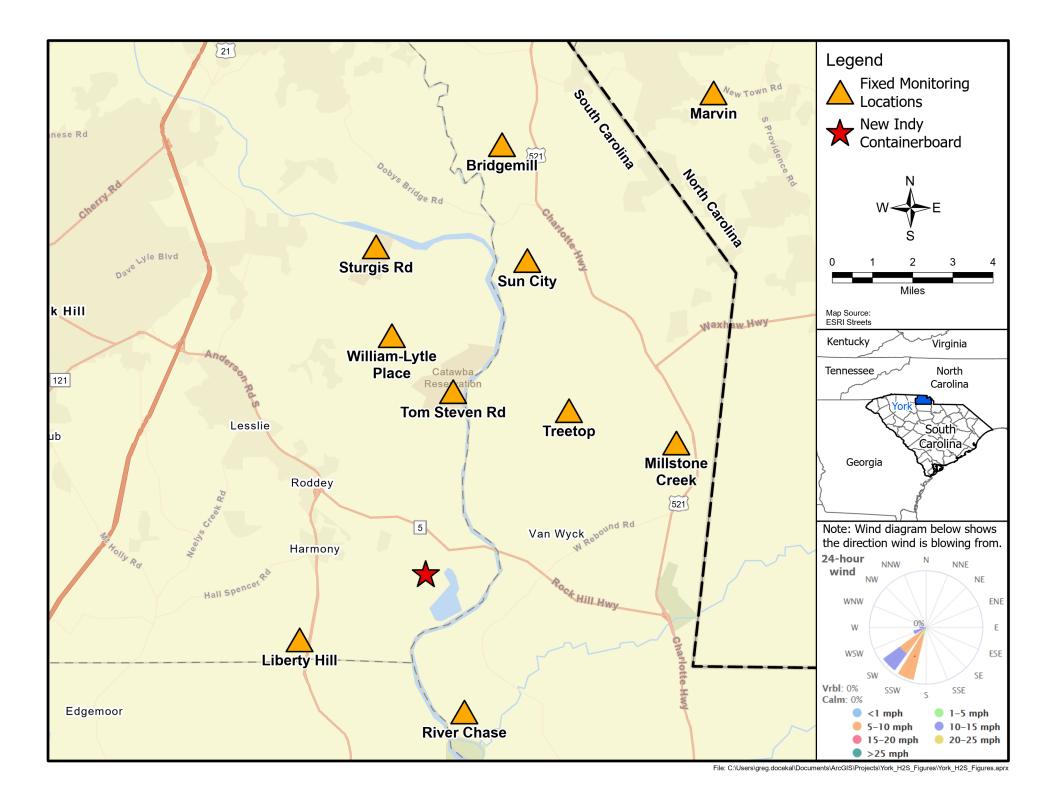
No

SPM Single Point Monitor
TWA Time Weighted Avergage

H2S

Analyte

H2S



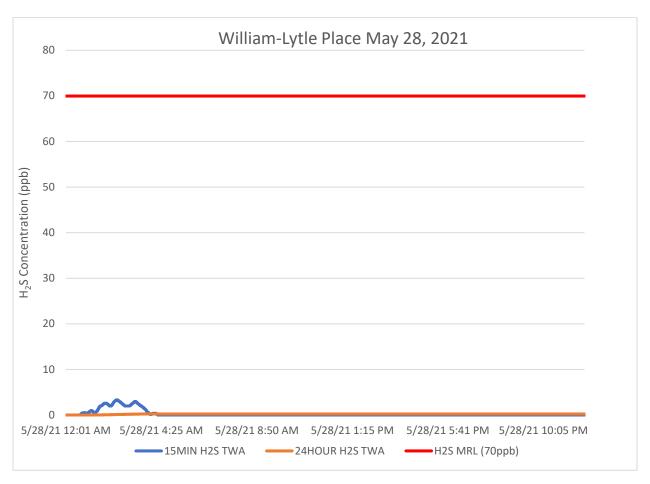
H₂S in South and North Carolina

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 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: River Chase and Liberty Hill.



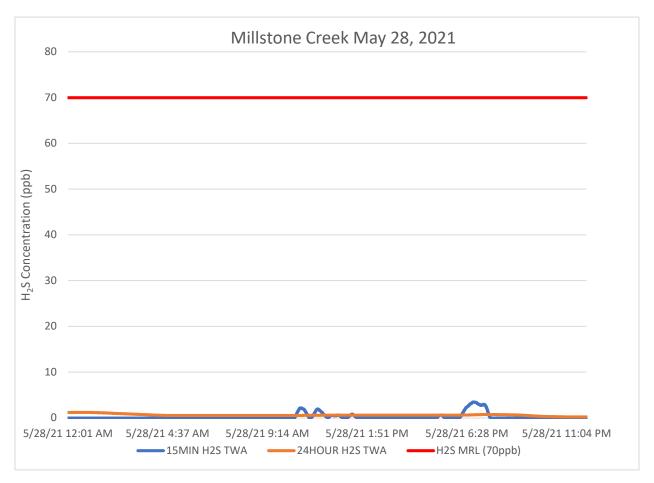
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL - Minimal Risk Level

ppb – Parts per billion

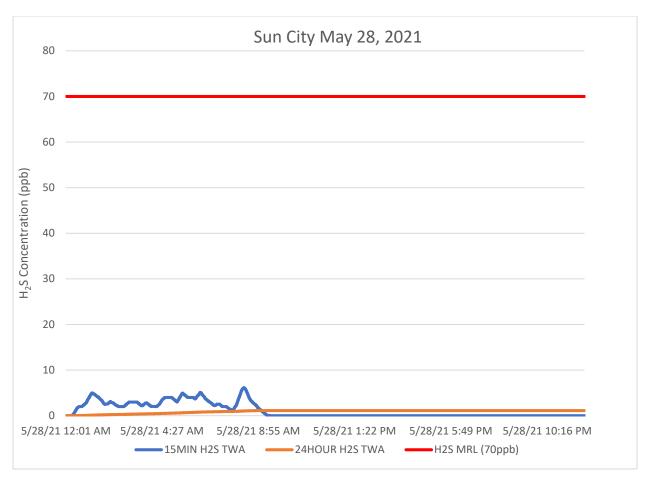


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

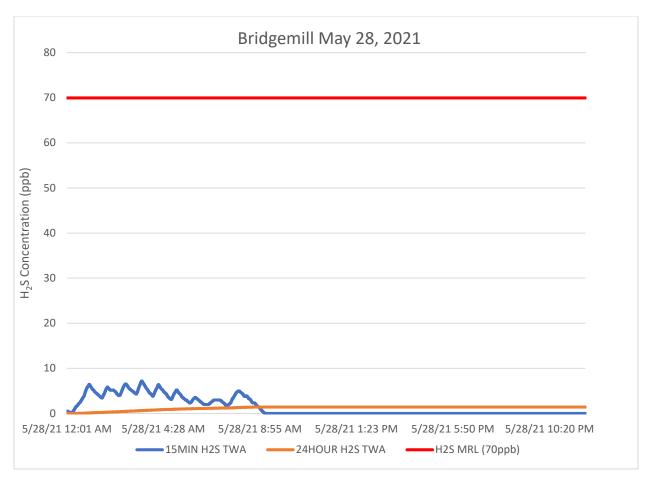


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

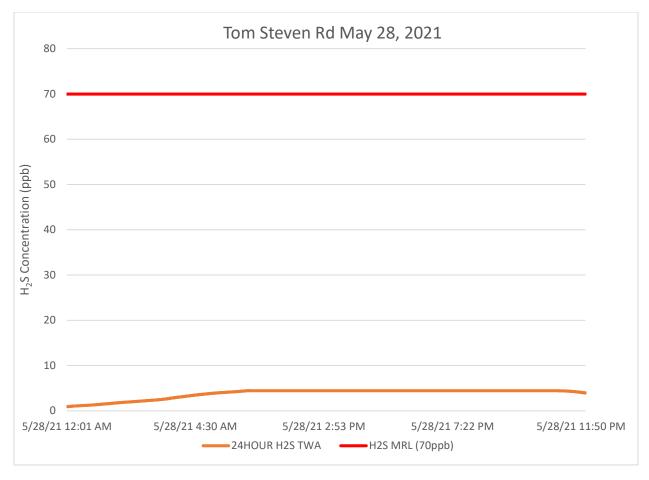


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion



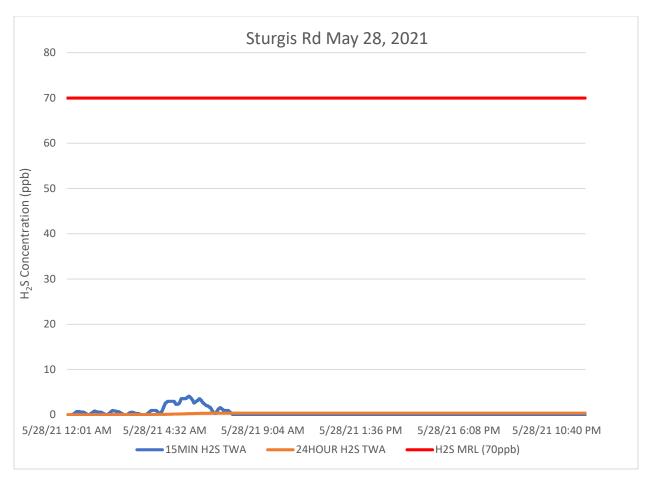
H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

^{*}An accurate graph of the 15MIN H_2S TWA at Tom Steven Rd could not be generated for this reporting period due to intermittent equipment outages at this location.

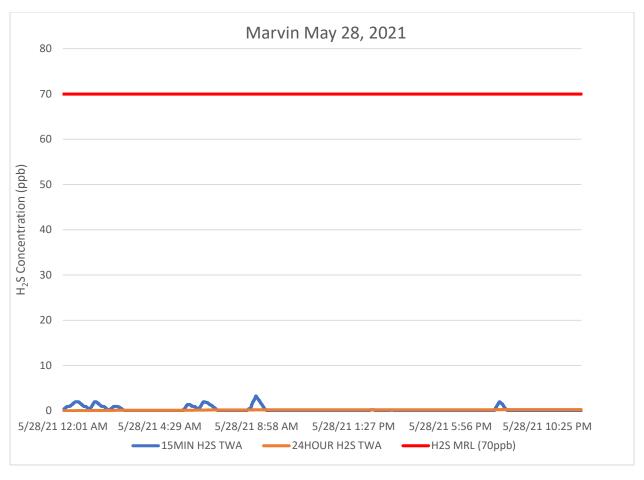


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

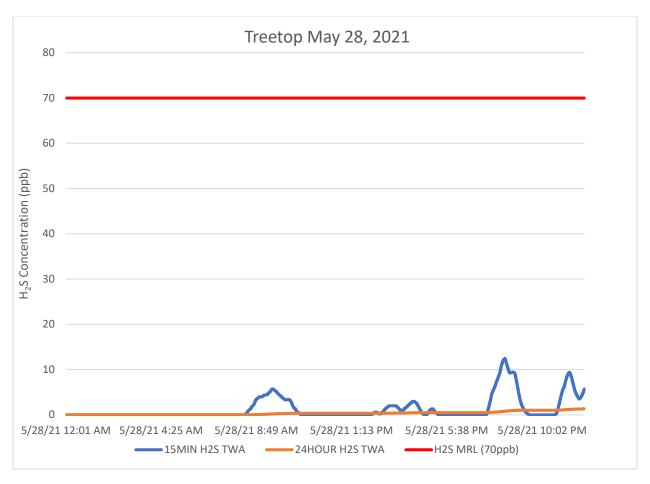


H₂S – Hydrogen Sulfide

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: 5/29/21 To: 5/29/21 12:01 AM 11:59 PM



illiam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54324	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	54260	1972	0 - 7 ppb	0.11 ppb	70 ppb
Aillstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52008	13404	0 - 7 ppb	0.6 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	53874	0	0 - 0 ppb	0 ppb	70 ppb
· · · · · · · · · · · · · · · · · · ·							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	53790	0	0 - 0 ppb	0 ppb	70 ppb
om Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	53502	0	0 - 0 ppb	0 ppb	70 ppb
tuncia Del							
turgis Rd Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	Exceedance?	Readings 52950	Detections 0	0 - 0 ppb	0 ppb	70 ppb
-		,			,		• •
Marvin							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53584	0	0 - 0 ppb	0 ppb	70 ppb
Гreetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level

te

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.

54454

Number of

Readings

48854

3470

Number of

Detections

0

0 - 6 ppb

Concentration Range

0 - 0 ppb

0.14 ppb

Period Average

0 ppb

70 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

No

Action Level

Exceedance?

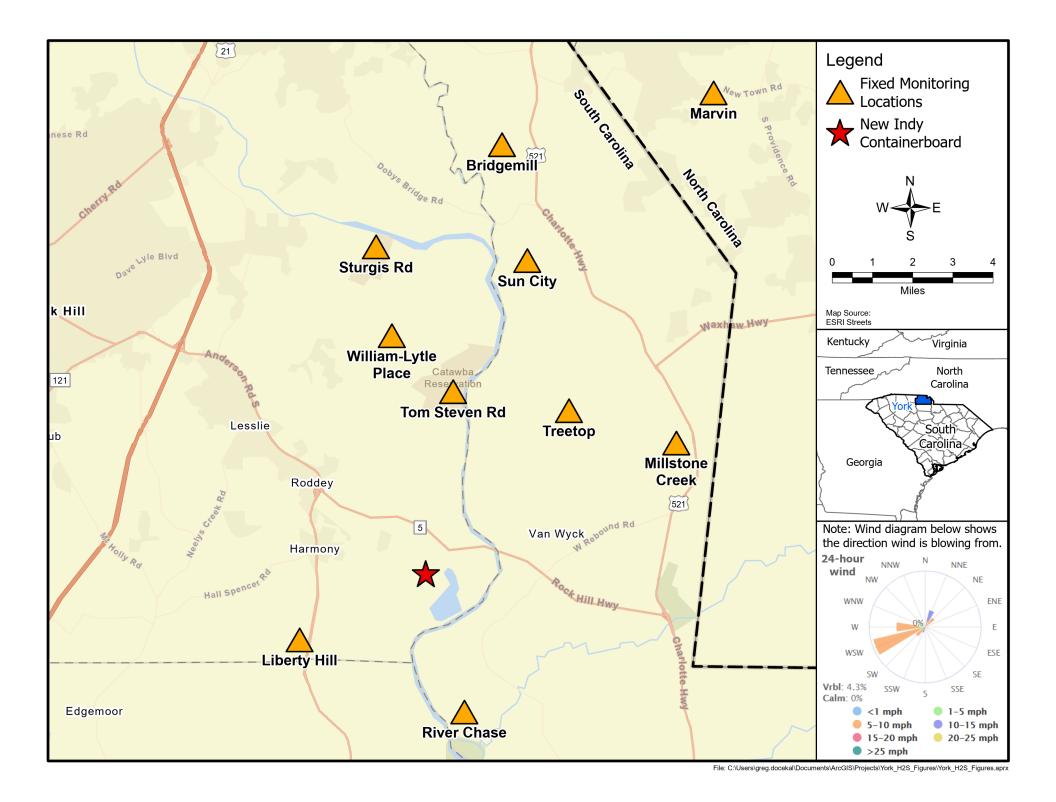
No

SPM Single Point Monitor
TWA Time Weighted Avergage

H2S

Analyte

H2S



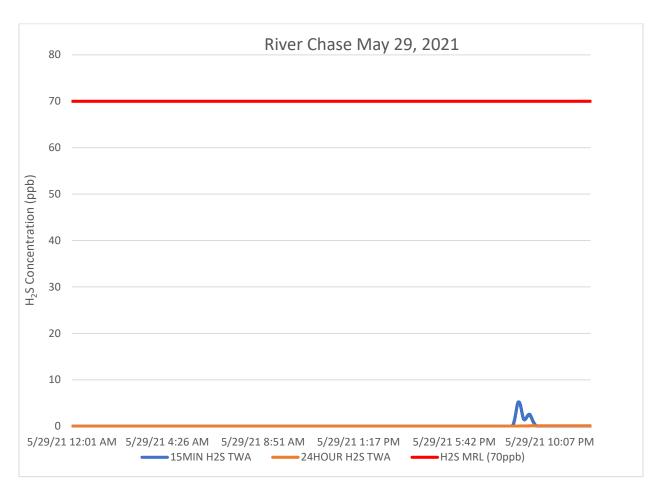
H₂S in South and North Carolina

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 west-southwest with a smaller percentage 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 Place, Sun City, Bridgemill, Tom Steven Rd, Sturgis Rd, Marvin, and Liberty Hill.



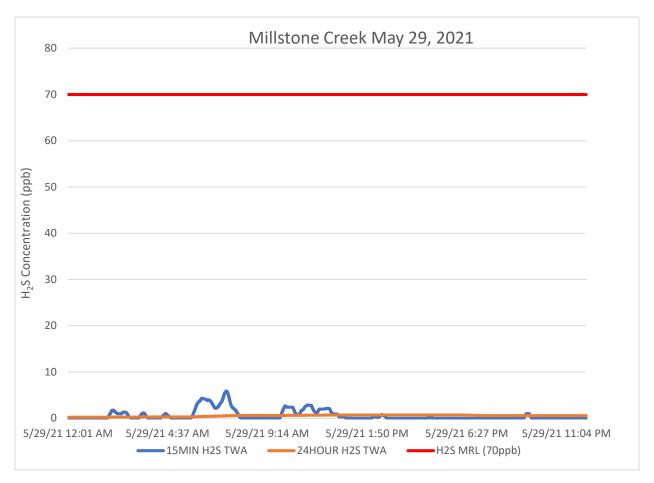
Notes:

H₂S - Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

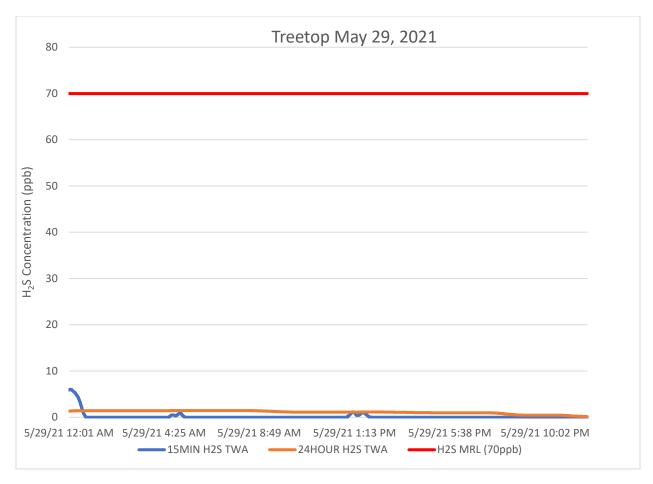


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion



H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

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: 5/30/21 To: 5/30/21 12:01 AM 11:59 PM



/illiam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54314	0	0 - 0 ppb	0 ppb	70 ppb
iver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	54290	20092	0 - 17 ppb	1.65 ppb	70 ppb
Millstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52054	0	0 - 0 ppb	0 ppb	70 ppb
Sun City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No	53878	7844	0 - 4 ppb	0.3 ppb	70 ppb
Bridgemill							
Instrument	Anabas	Action Level	Number of	Number of	Concentration Range	Budad Assessed	Action Level
	Analyte	Exceedance?	Readings	Detections		Period Average	
SPM Flex 5	H2S	No	53794	0	0 - 0 ppb	0 ppb	70 ppb
Tom Steven Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 6	H2S	No	53393	0	0 - 0 ppb	0 ppb	70 ppb
Sturgis Rd							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	No	52948	0	0 - 0 ppb	0 ppb	70 ppb
Marvin							
Instrument	Analista	Action Level	Number of	Number of	Concentration Range	Davied Assesses	Antina I aval
	Analyte	Exceedance?	Readings	Detections		Period Average	Action Level
SPM Flex 8	H2S	No	53556	0	0 - 0 ppb	0 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	54464	0	0 - 0 ppb	0 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

52462

Number of

Detections

118

Concentration Range

0 - 1 ppb

Period Average

0 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

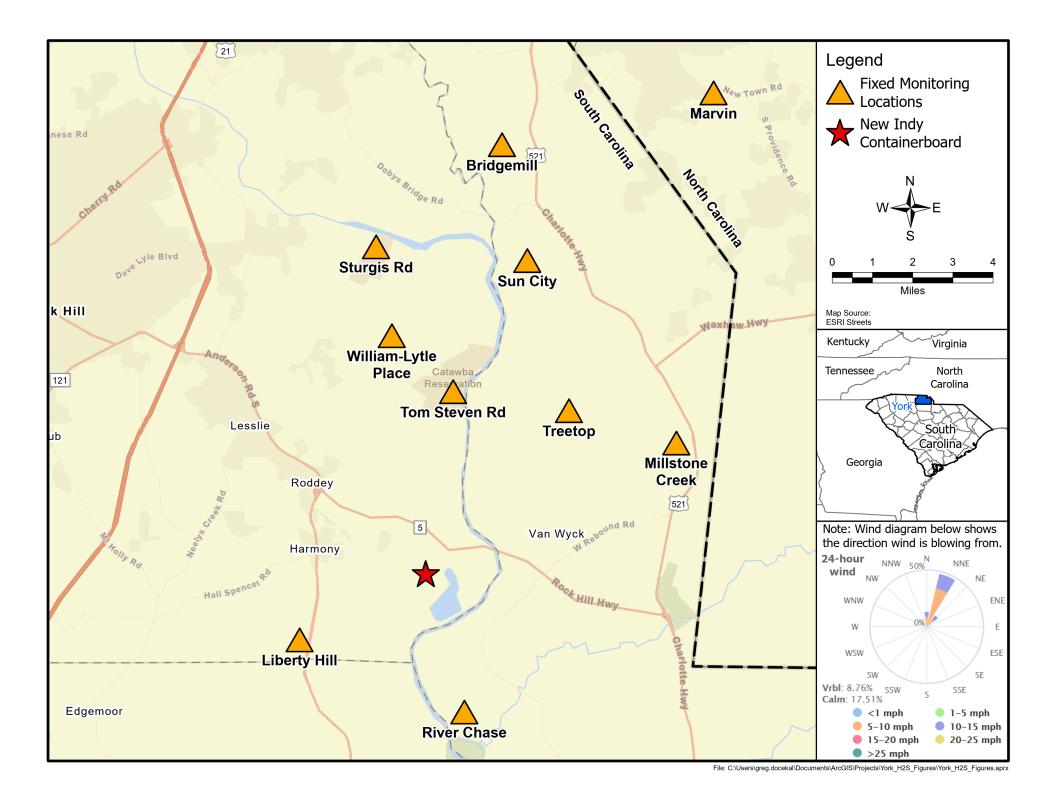
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



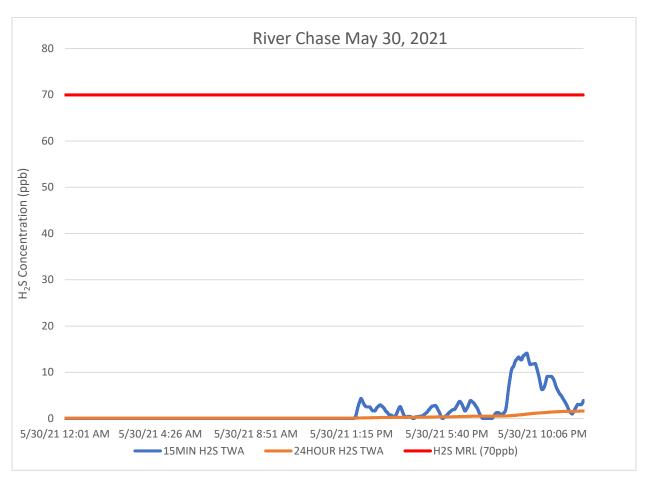
H₂S in South and North Carolina

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 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.



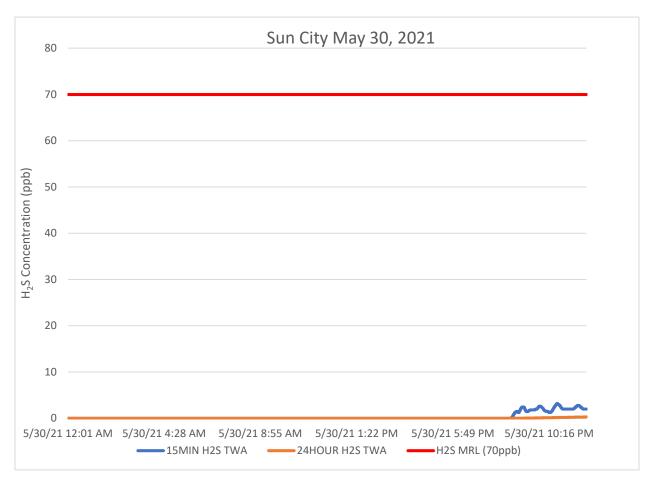
Notes:

H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

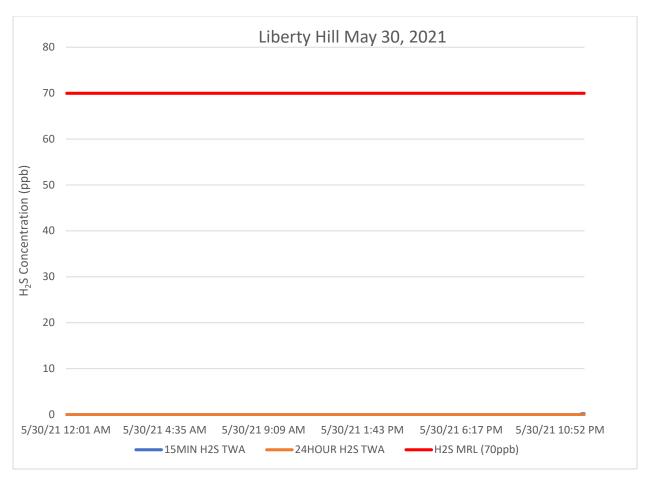


H₂S – Hydrogen Sulfide

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

Project Name: H₂S in South and North Carolina

From: 5/31/21 To: 5/31/21 12:01 AM 11:59 PM



illiam-Lytle Place							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 1	H2S	No	54348	7018	0 - 3 ppb	0.23 ppb	70 ppb
iver Chase							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 2	H2S	No	54244	37362	0 - 38 ppb	3.88 ppb	70 ppb
Aillstone Creek							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 3	H2S	No	52096	2418	0 - 23 ppb	0.6 ppb	70 ppb
iun City							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 4	H2S	No No	53770	9596	0 - 13 ppb	1.08 ppb	70 ppb
ridgemill							
		Action Level	Number of	Number of			
Instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Period Average	Action Level
SPM Flex 5	H2S	No	53612	0	0 - 0 ppb	0 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?	Readings 54138	Detections 6854	0 - 2 ppb	0.18 ppb	70 ppb
Sturgis Rd Instrument	Analyte	Action Level	Number of	Number of	Concentration Range	Period Average	Action Level
SPM Flex 7	H2S	Exceedance?	Readings 52944	Detections 16	0 - 1 ppb	0 ppb	70 ppb
2			020		0 2 pp2	~ PP~	
/larvin							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53496	0	0 - 0 ppb	0 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	54492	0	0 - 0 ppb	0 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

49375

Number of

Detections

23387

Concentration Range

0 - 10 ppb

Period Average

0.98 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

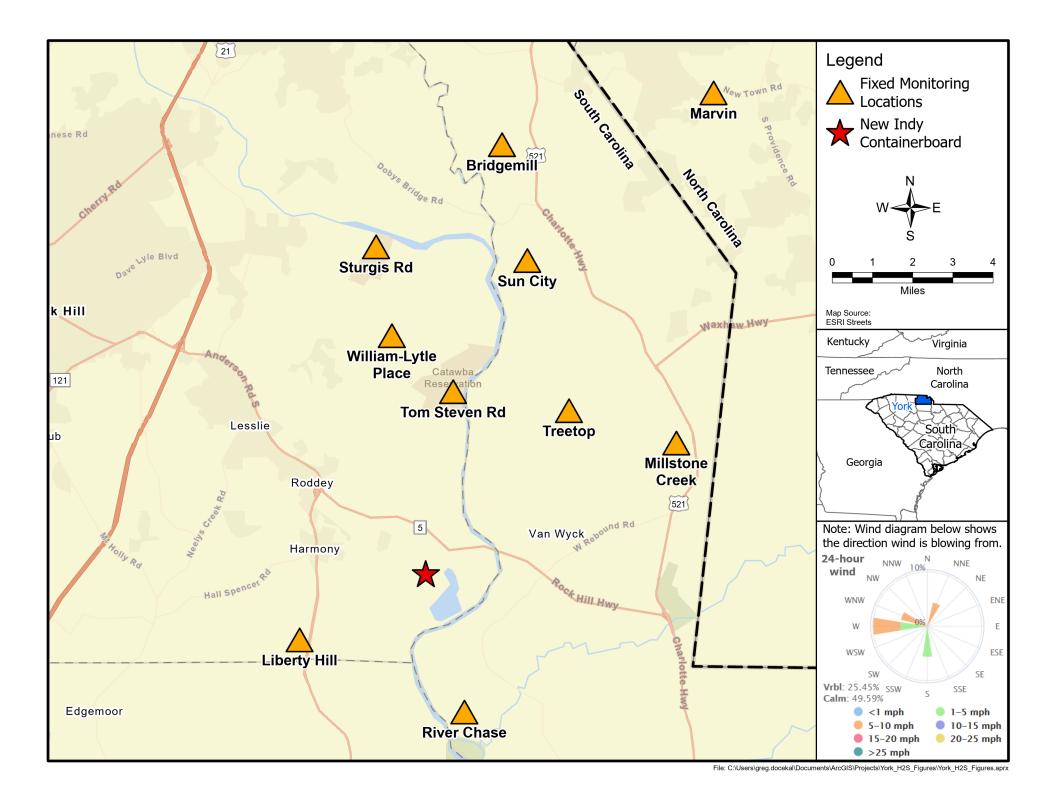
Exceedance?

No

SPM Single Point Monitor
TWA Time Weighted Avergage

Analyte

H2S



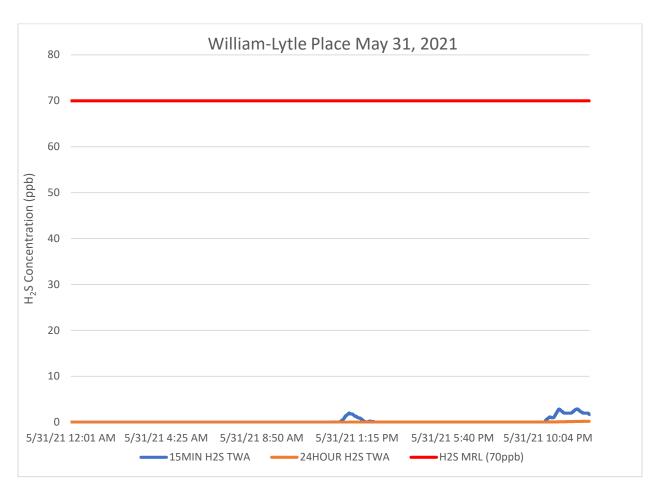
H₂S in South and North Carolina

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 with smaller percentages out of the north-northeast, west-northwest, 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: Bridgemill, Marvin, and Treetop.



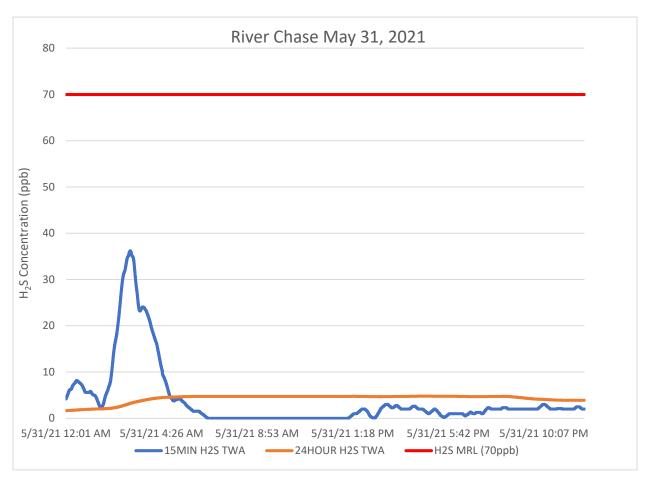
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppb - Parts per billion

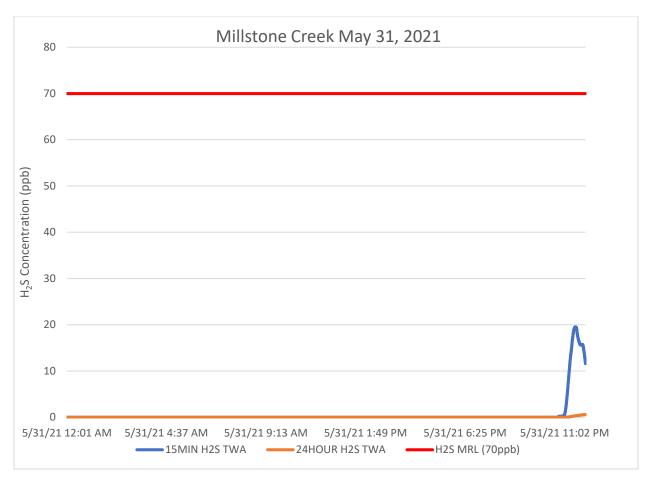


H₂S – Hydrogen Sulfide

MIN – Minute

MRL - Minimal Risk Level

ppb – Parts per billion

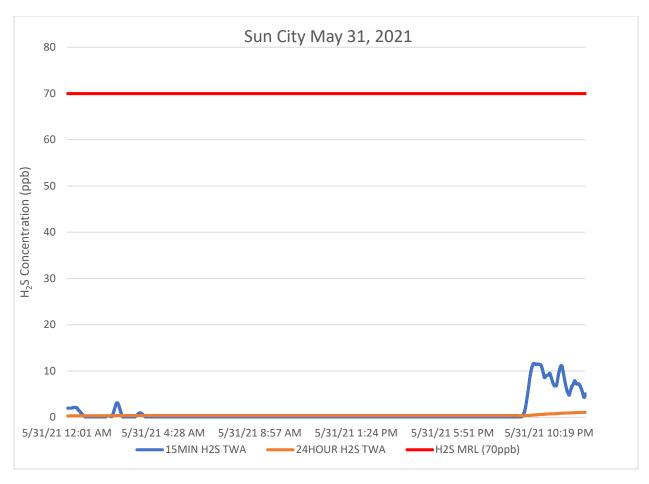


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

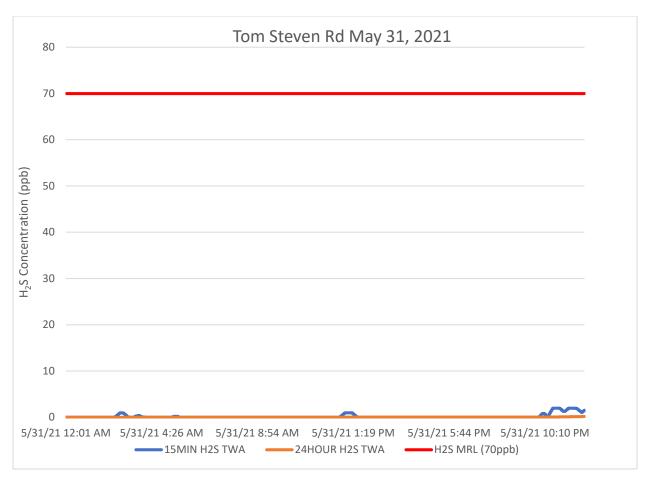


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

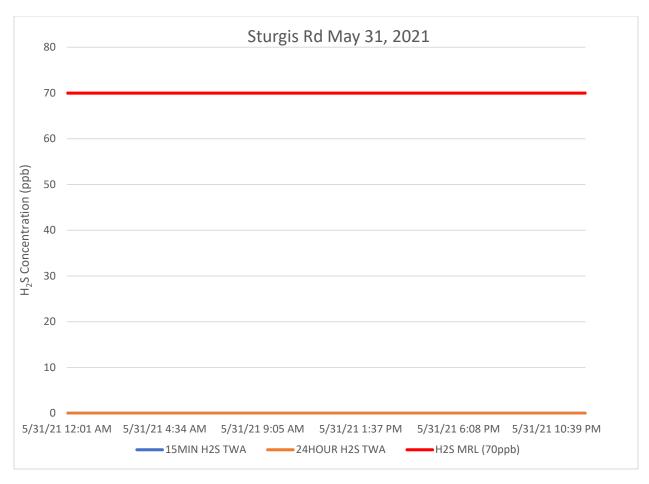


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

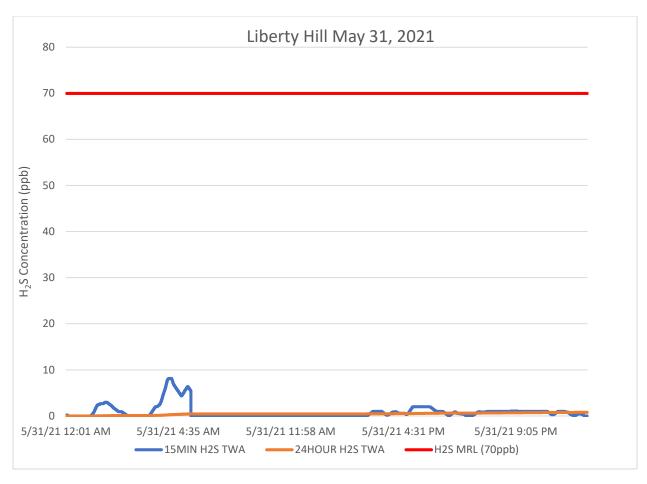


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

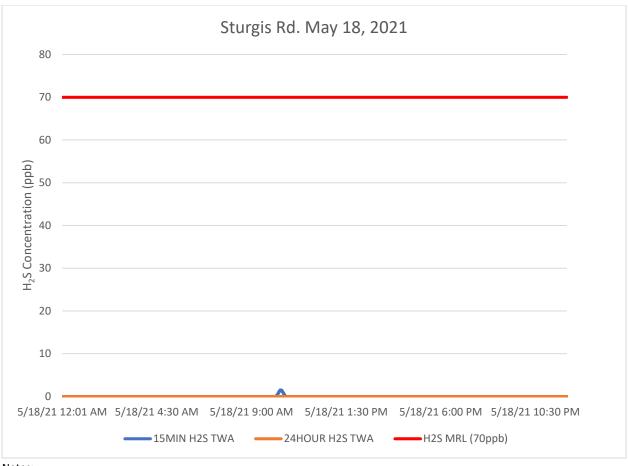


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb - Parts per billion

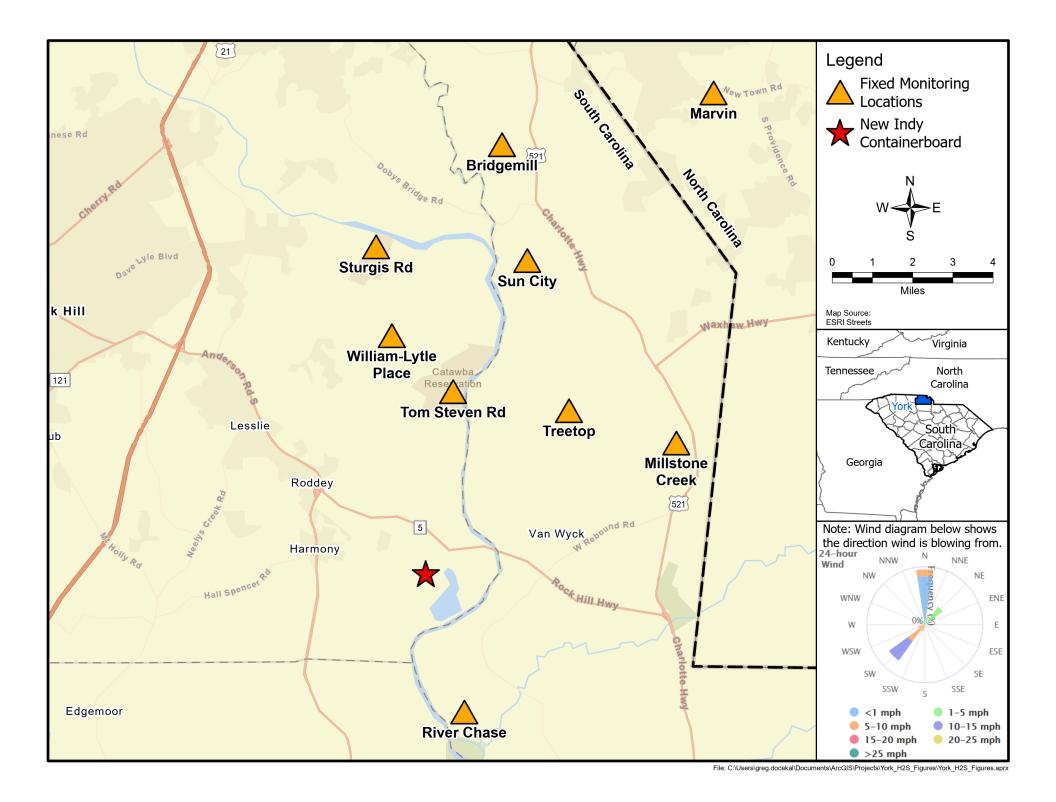


H₂S – Hydrogen Sulfide

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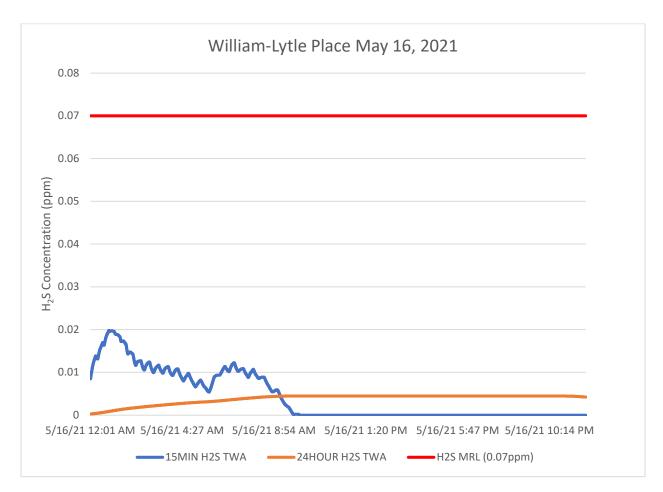
H₂S in South and North Carolina

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 started the period out of the southwest and later switched to being out of the north 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 0.001 parts per million: Tom Steven Rd. and Marvin.



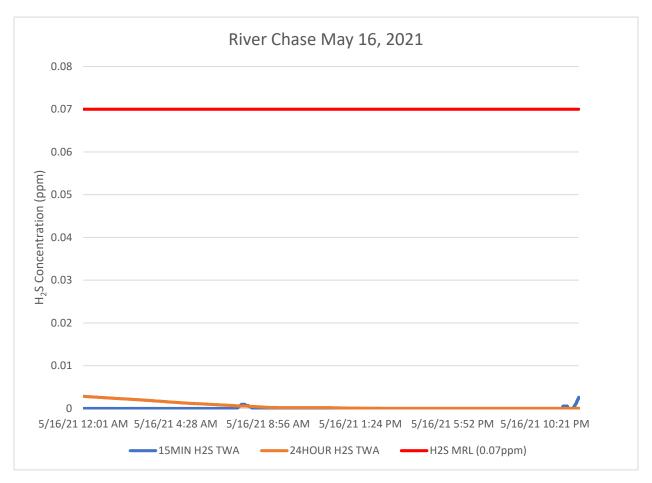
Notes:

H₂S – Hydrogen Sulfide

MIN - Minute

MRL – Minimal Risk Level

ppm - Parts per million

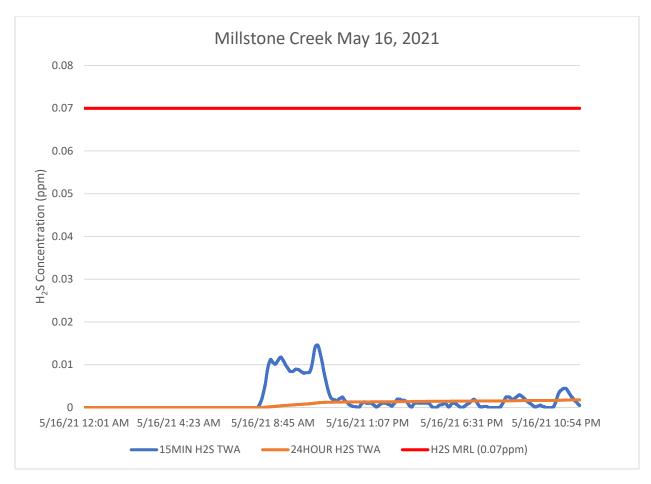


H₂S – Hydrogen Sulfide

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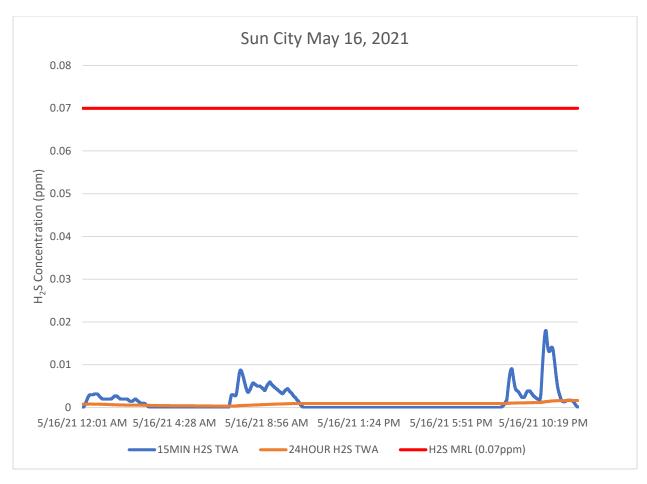


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

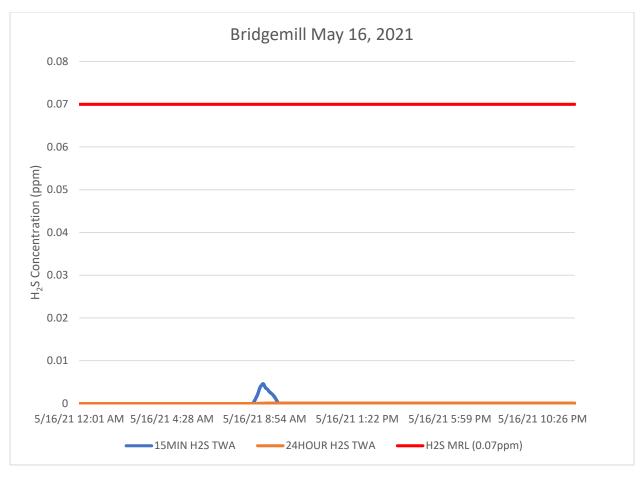


H₂S – Hydrogen Sulfide

MIN – Minute

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ppm – Parts per million

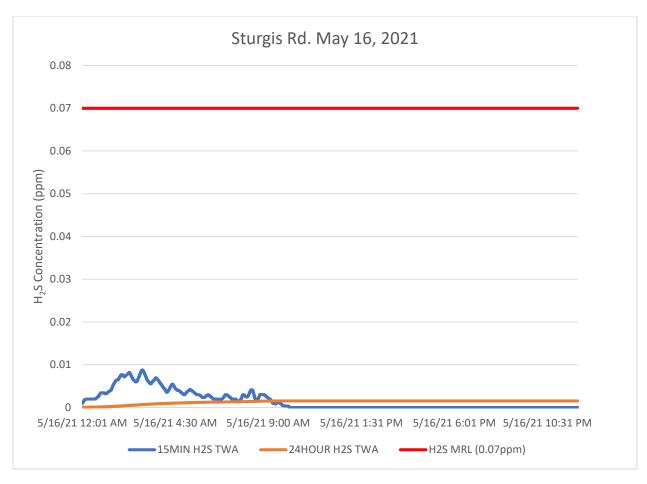


H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppm – Parts per million

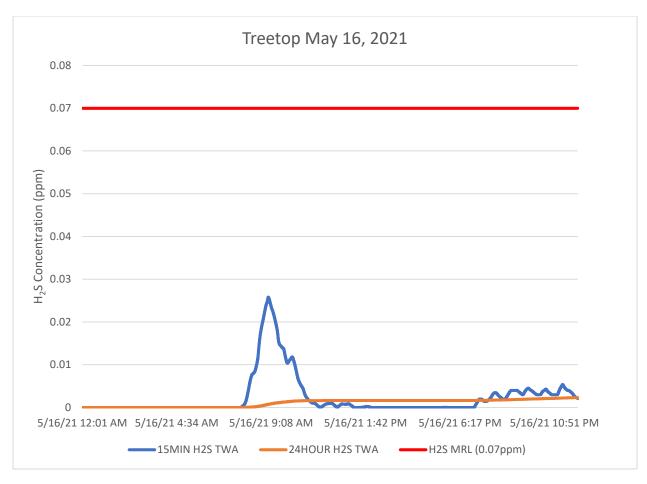


H₂S – Hydrogen Sulfide

MIN - Minute

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ppm - Parts per million



H₂S – Hydrogen Sulfide

MIN – Minute

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