Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/13/21 12:01 AM** ***To:*** **5/13/21 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	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

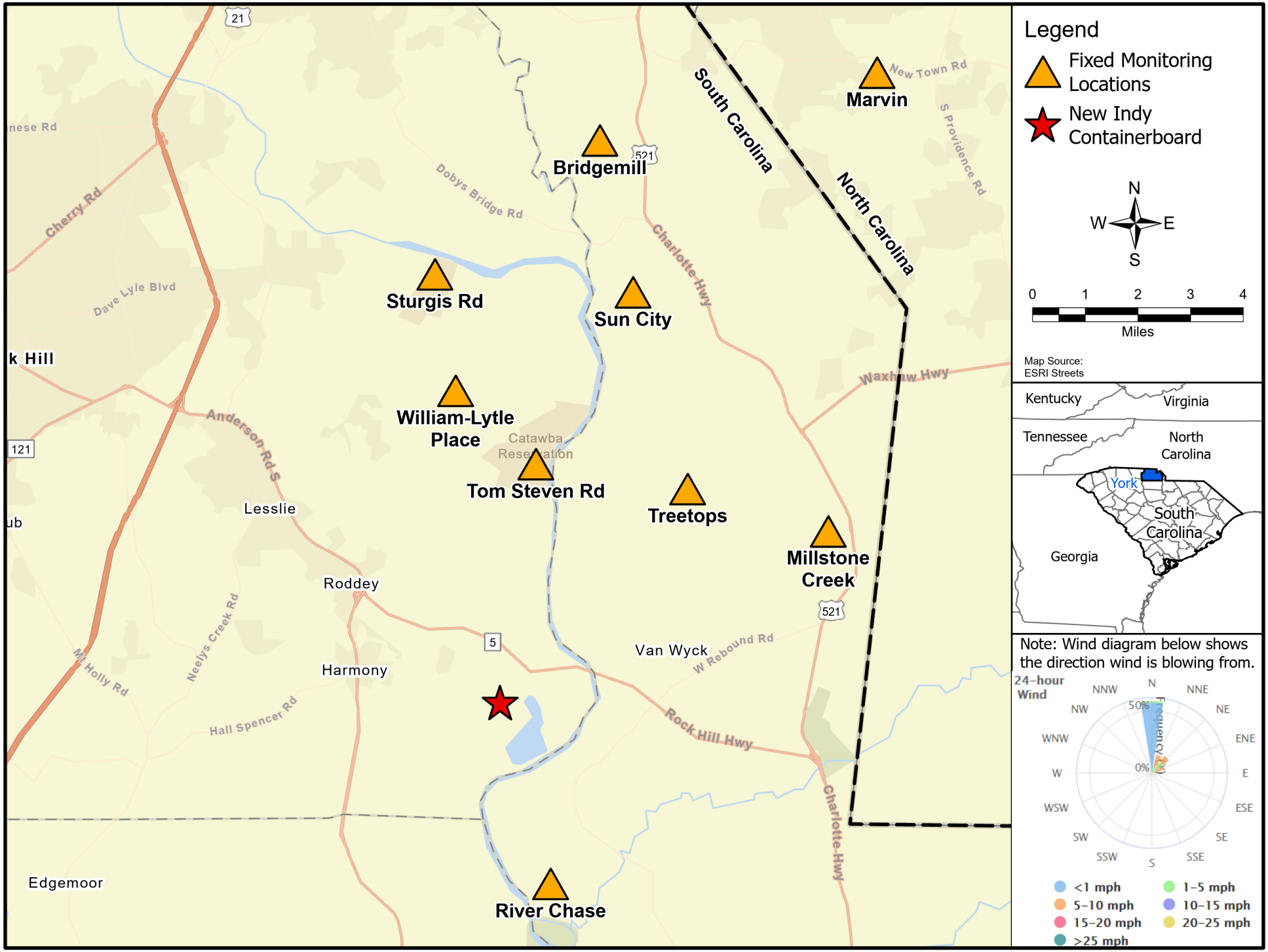
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53790	0	0 - 0 ppm	0 ppm	0.07 ppm

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
hr	Hour
ppm	Parts per million
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



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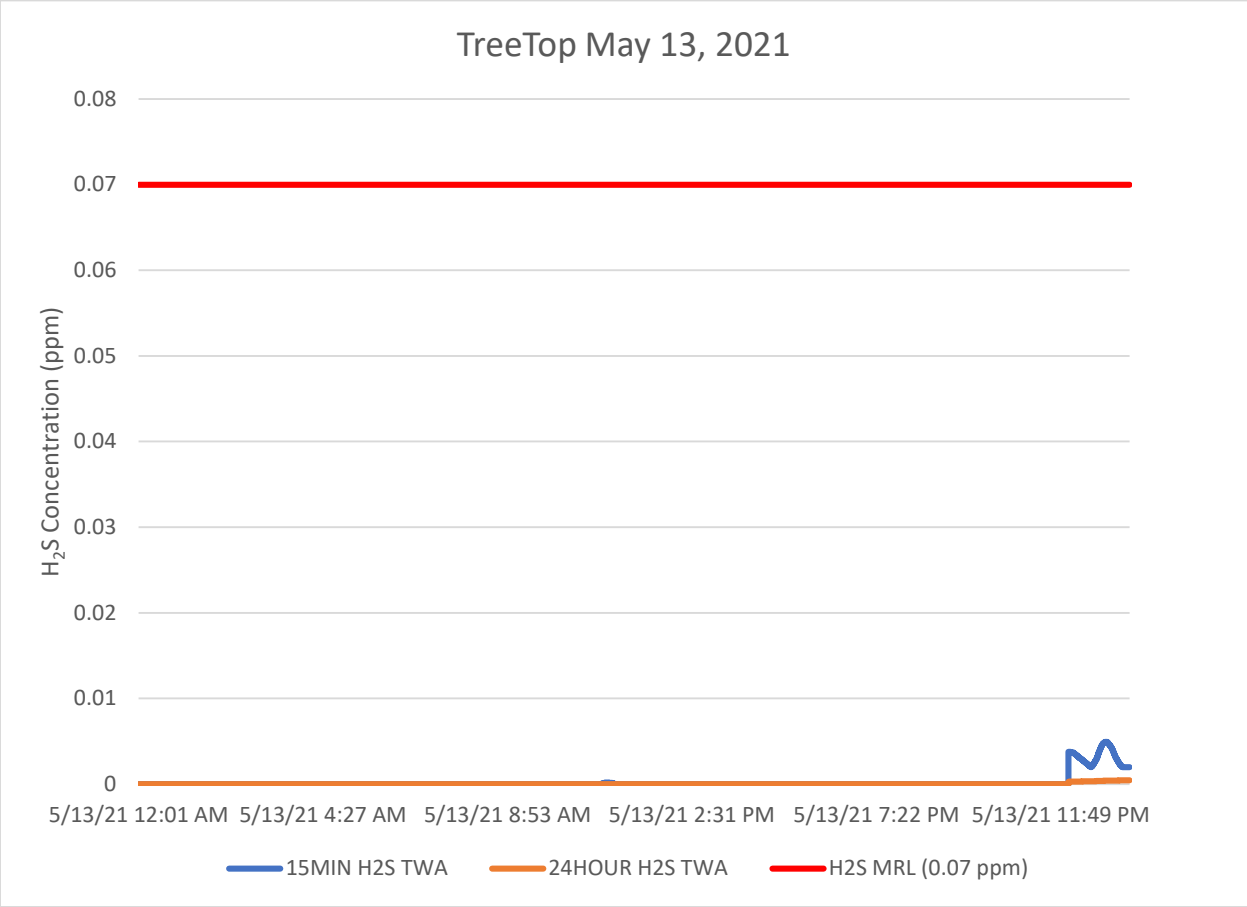
H_2S in South and North Carolina

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.

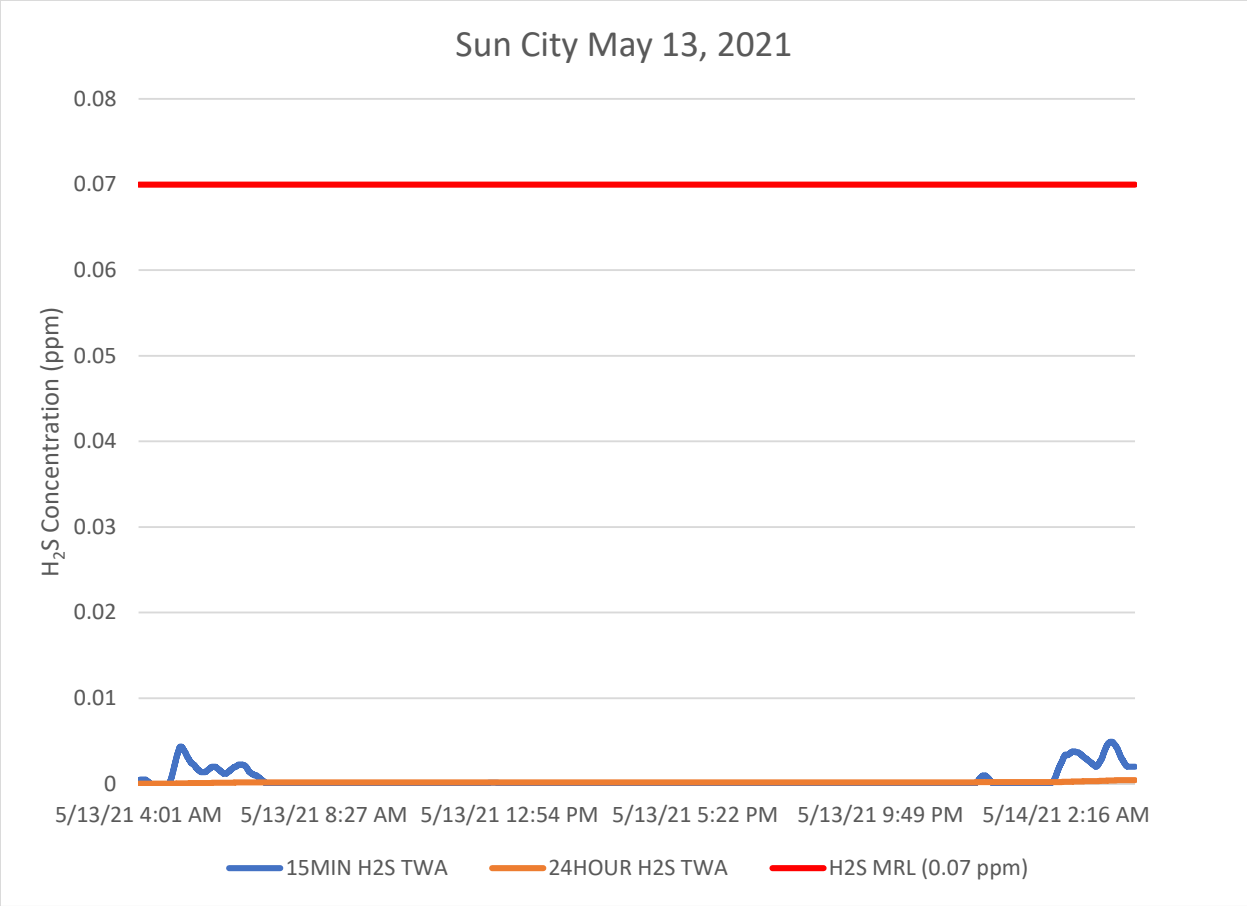
The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for observed wind conditions during this reporting period.

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



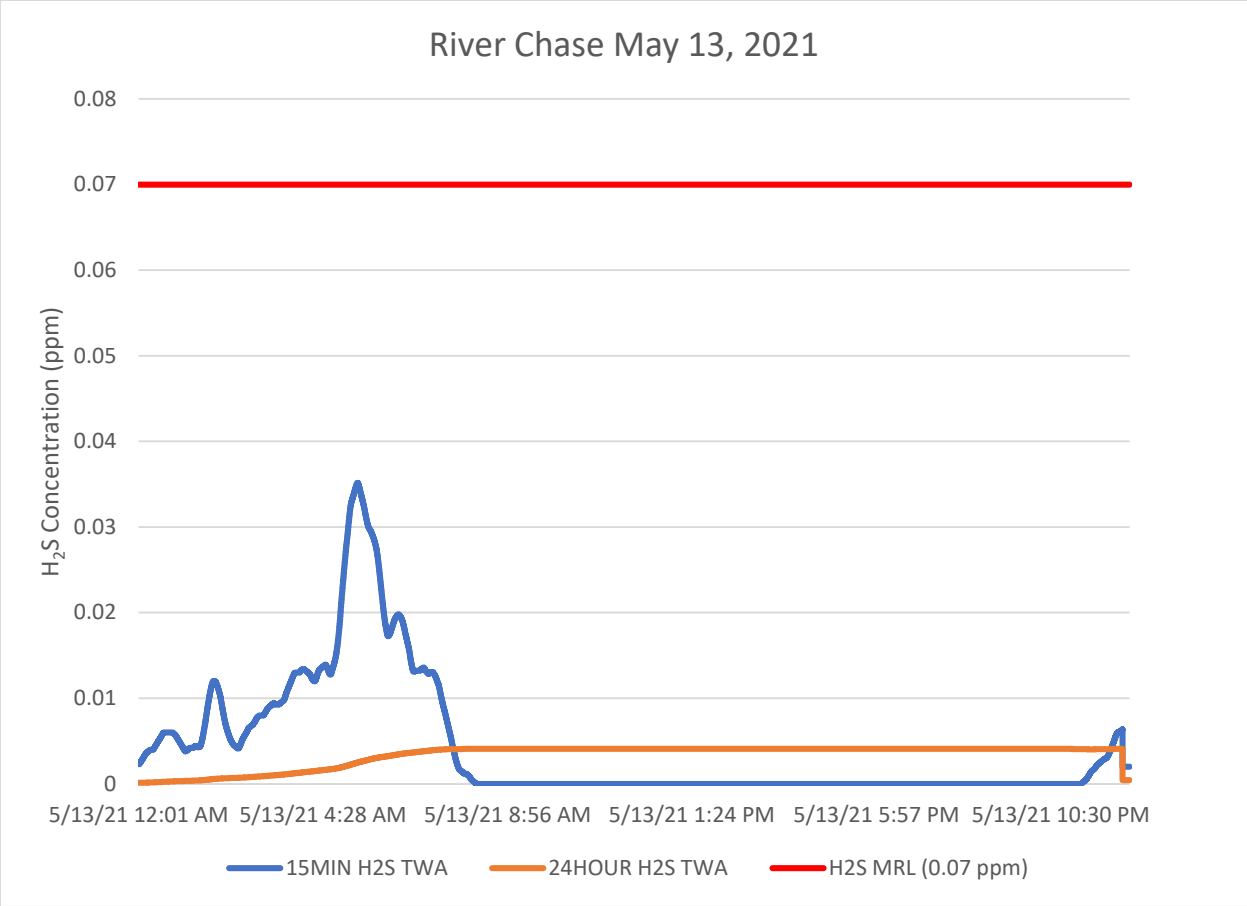
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/14/21 12:01 AM** ***To:*** **5/14/21 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

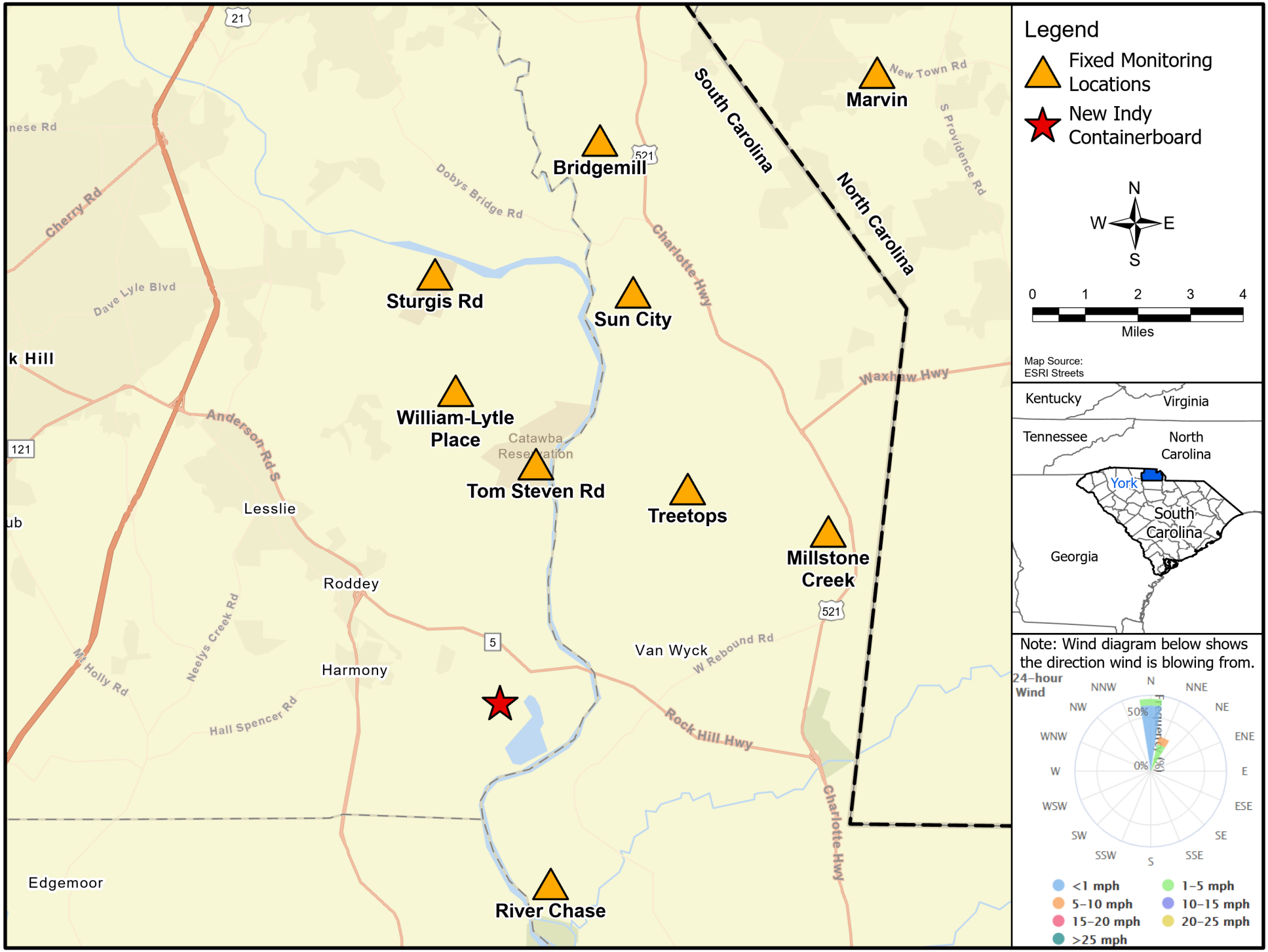
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	51927	0	0 - 0 ppm	0 ppm	0.07 ppm

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
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



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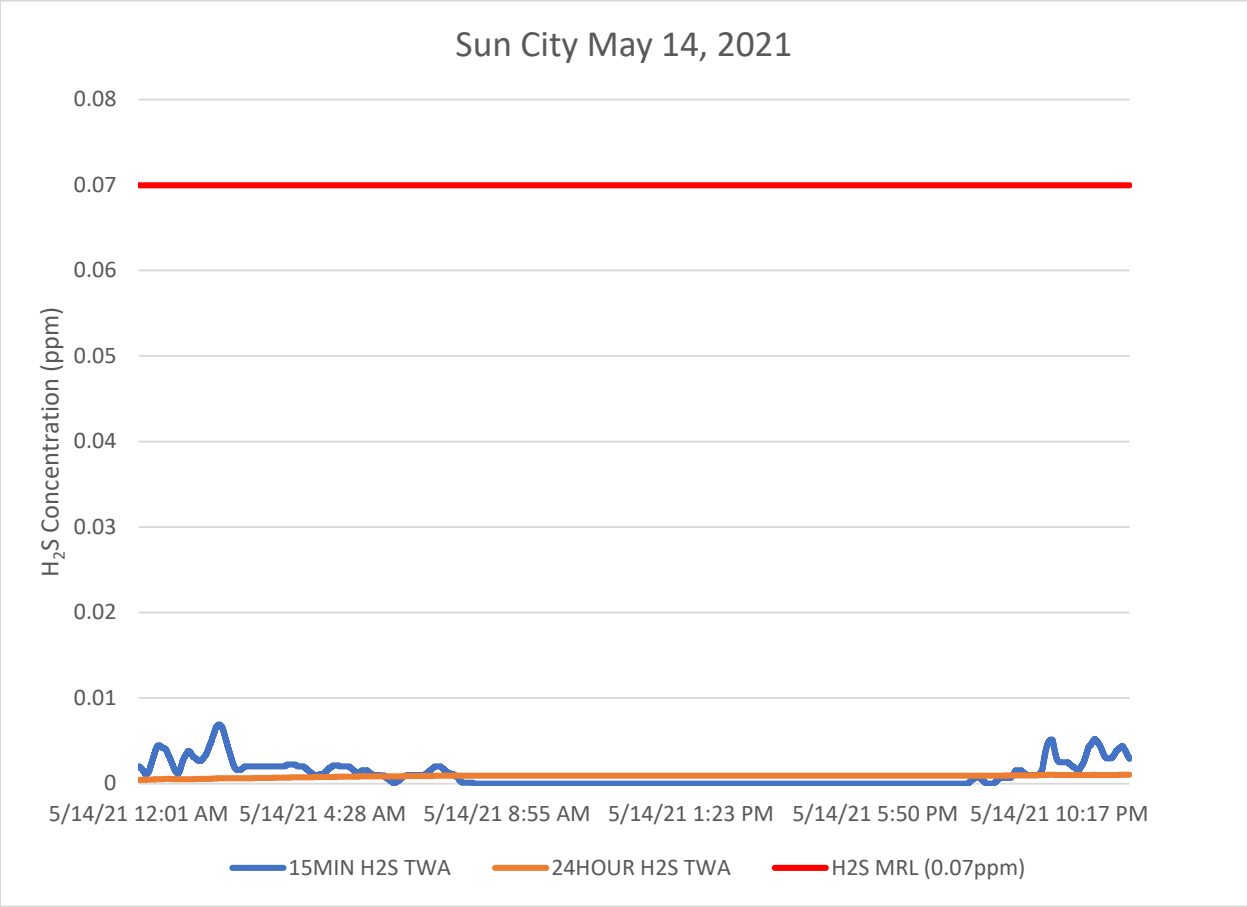
H_2S in South and North Carolina

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.

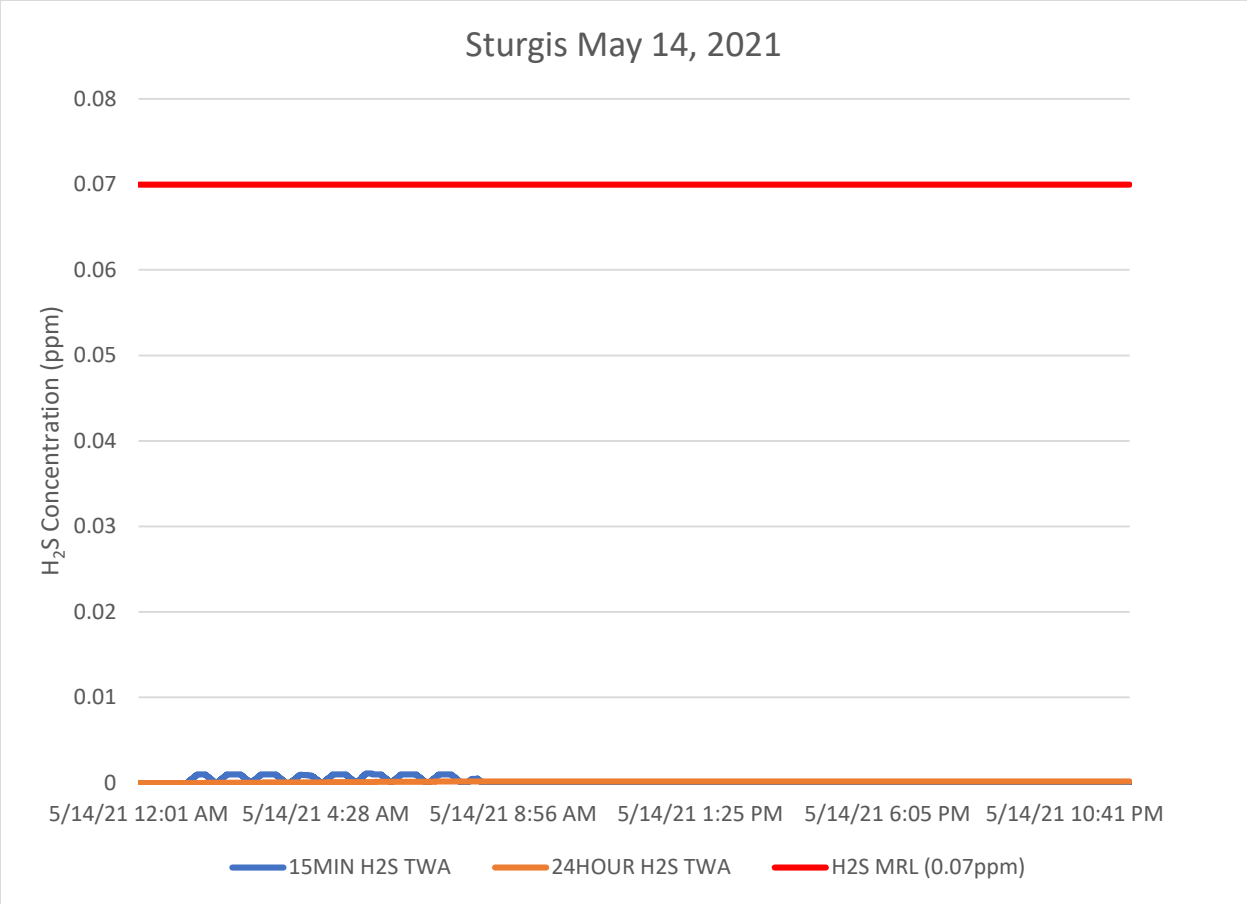
The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

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



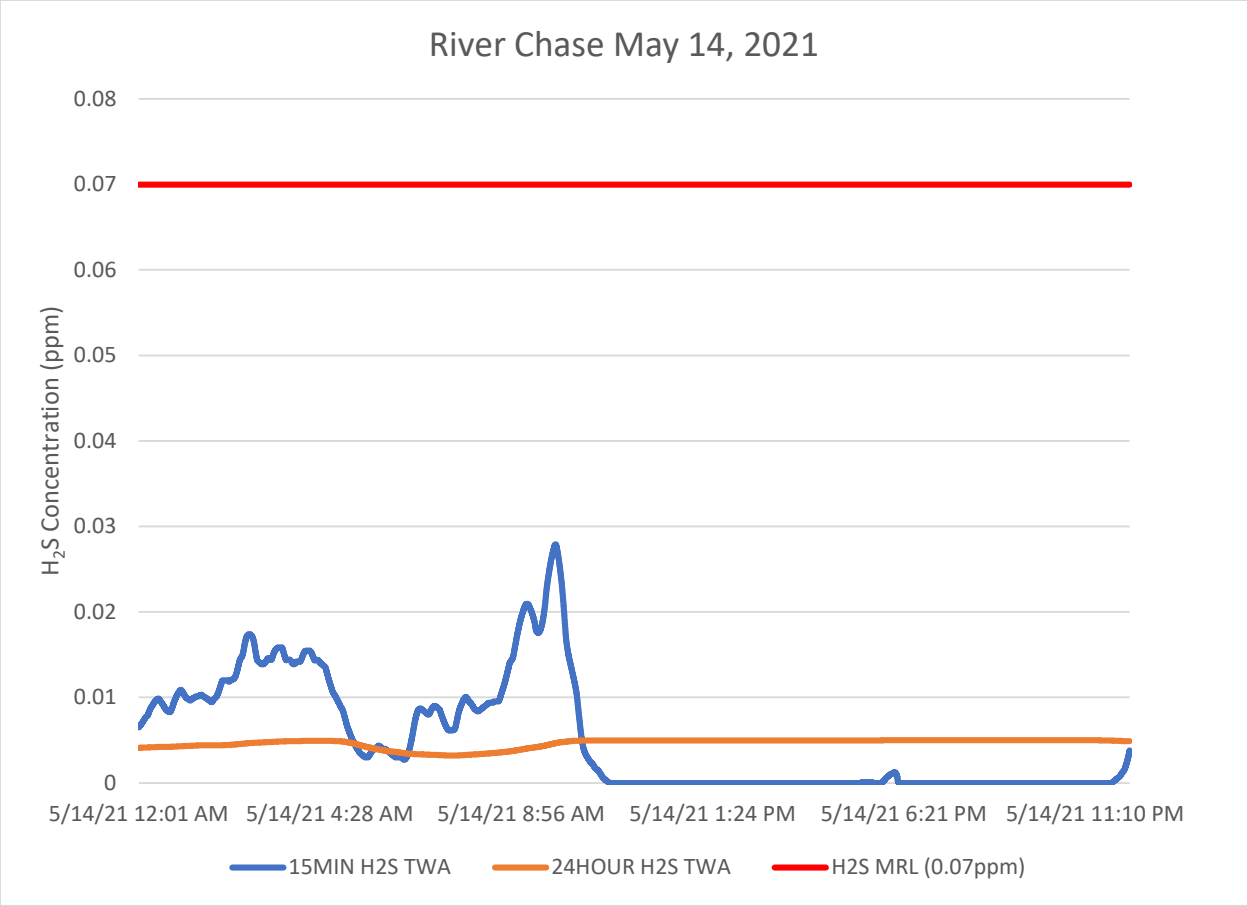
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



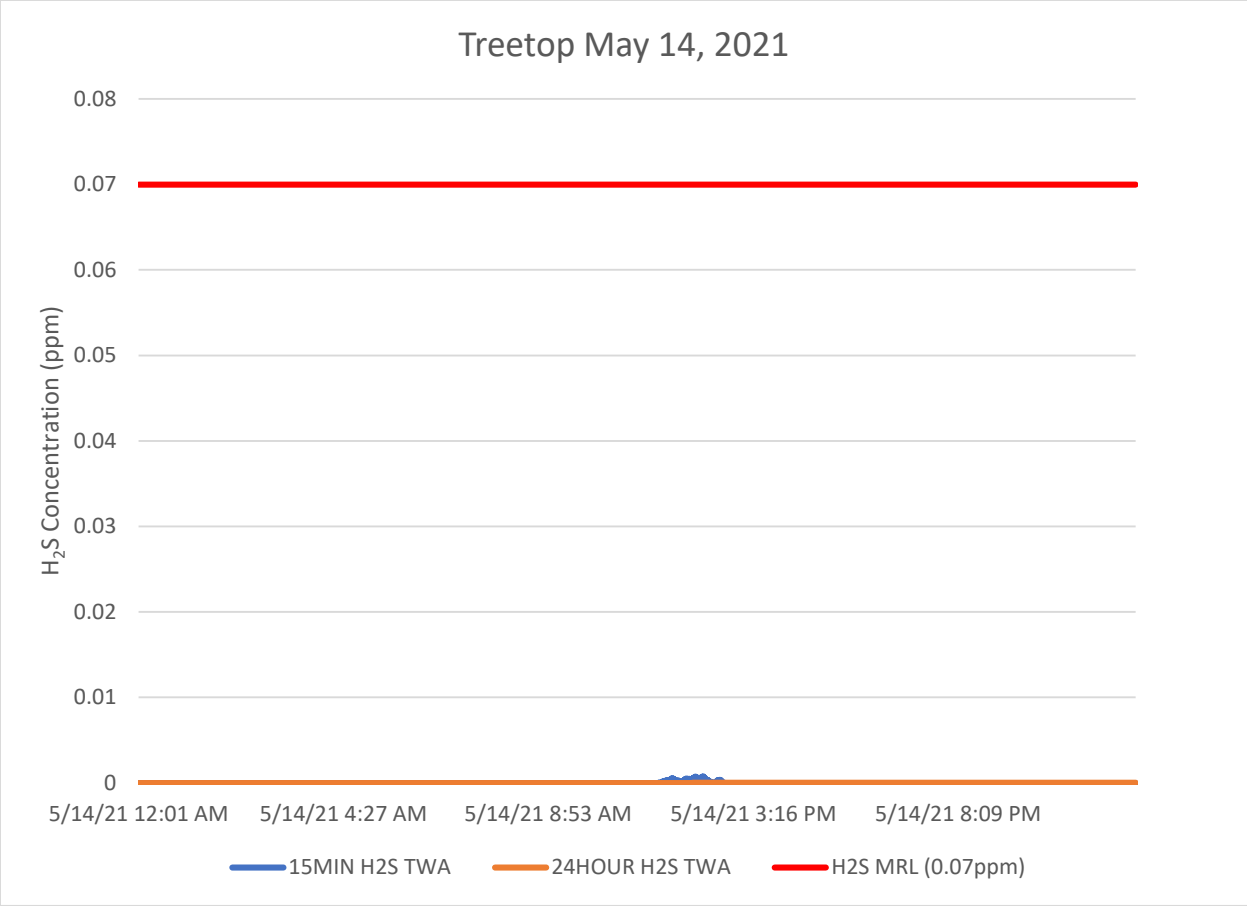
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/15/21 12:01 AM** ***To:*** **5/15/21 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	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

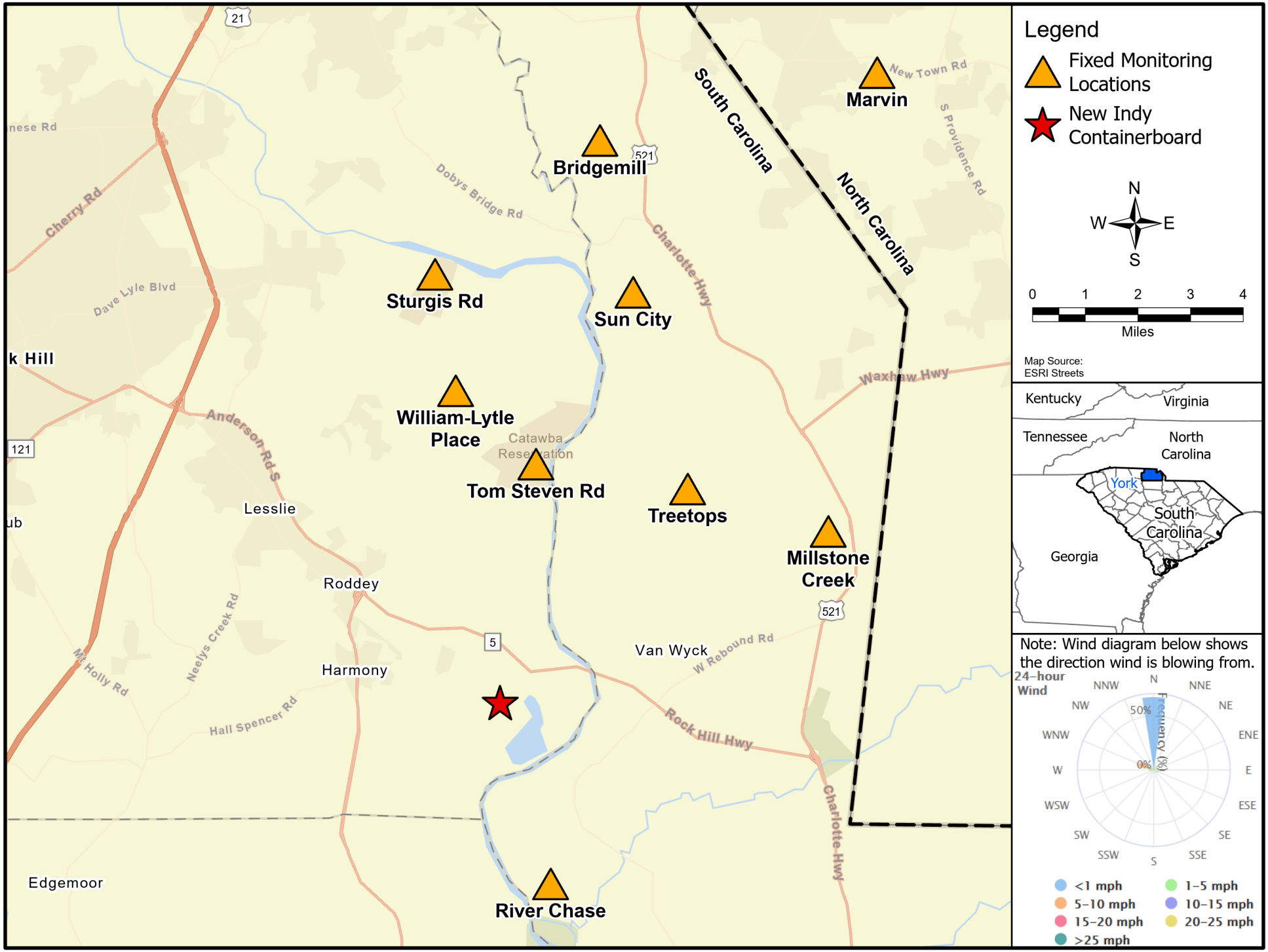
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	51927	0	0 - 0 ppm	0 ppm	0.07 ppm

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
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



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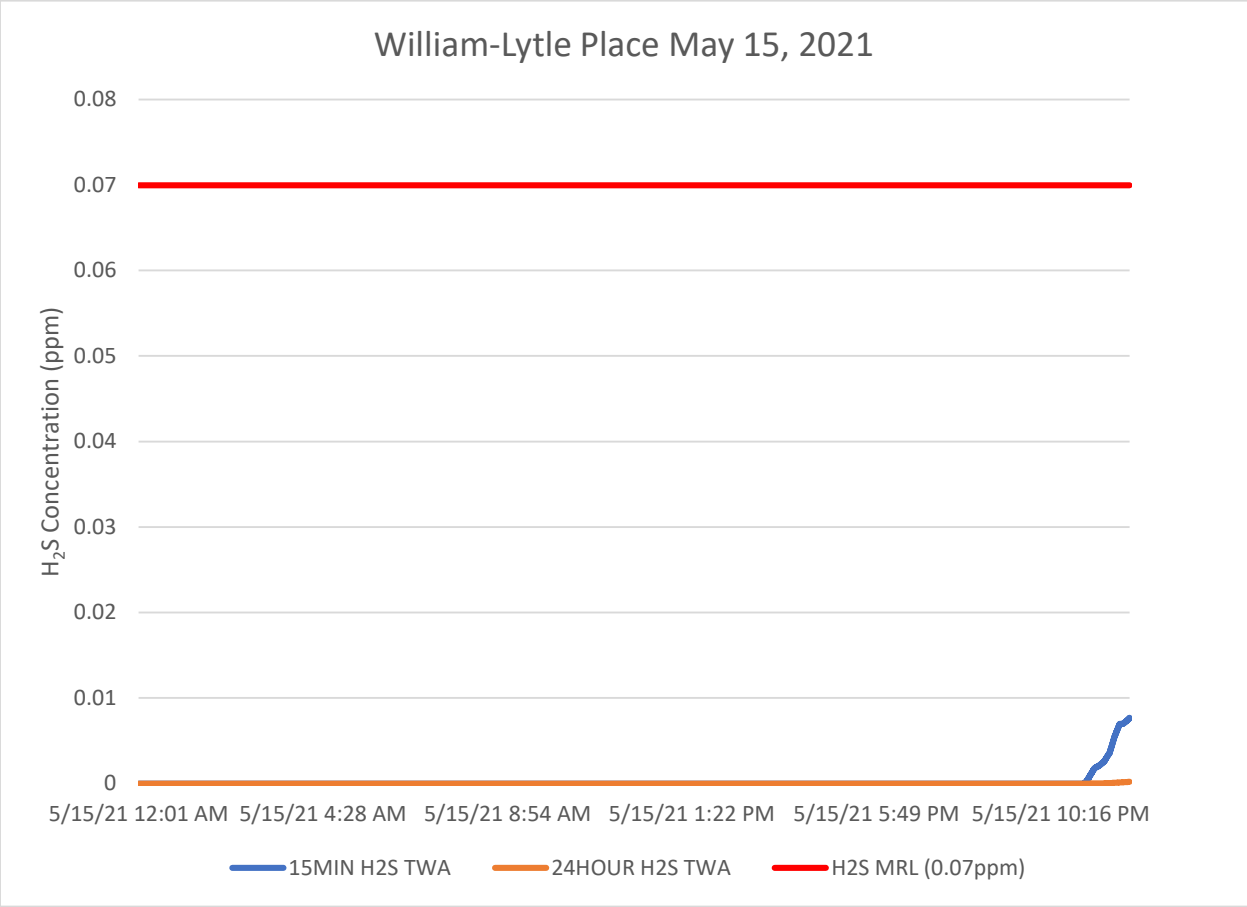
H_2S in South and North Carolina

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.

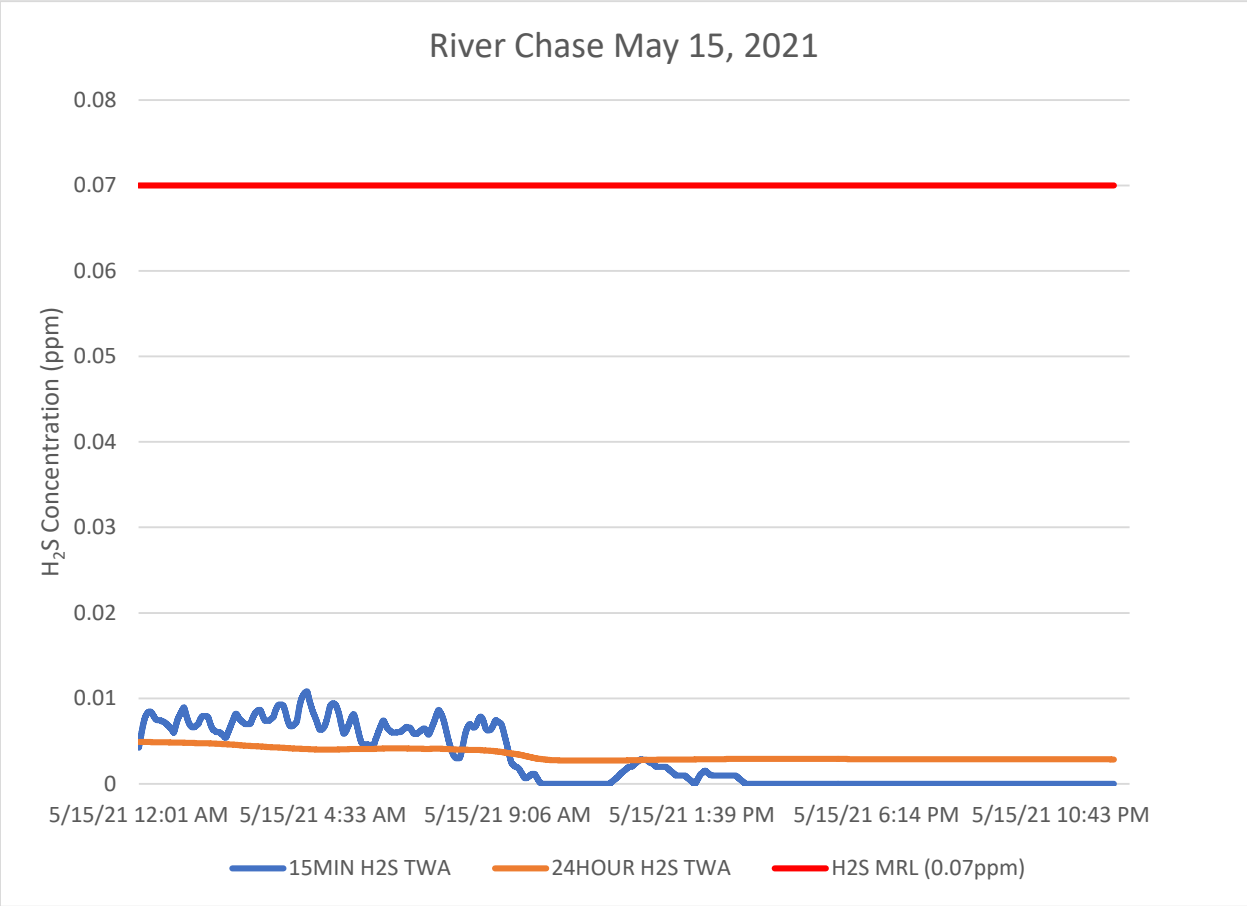
The prevailing wind direction for this reporting period was out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

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



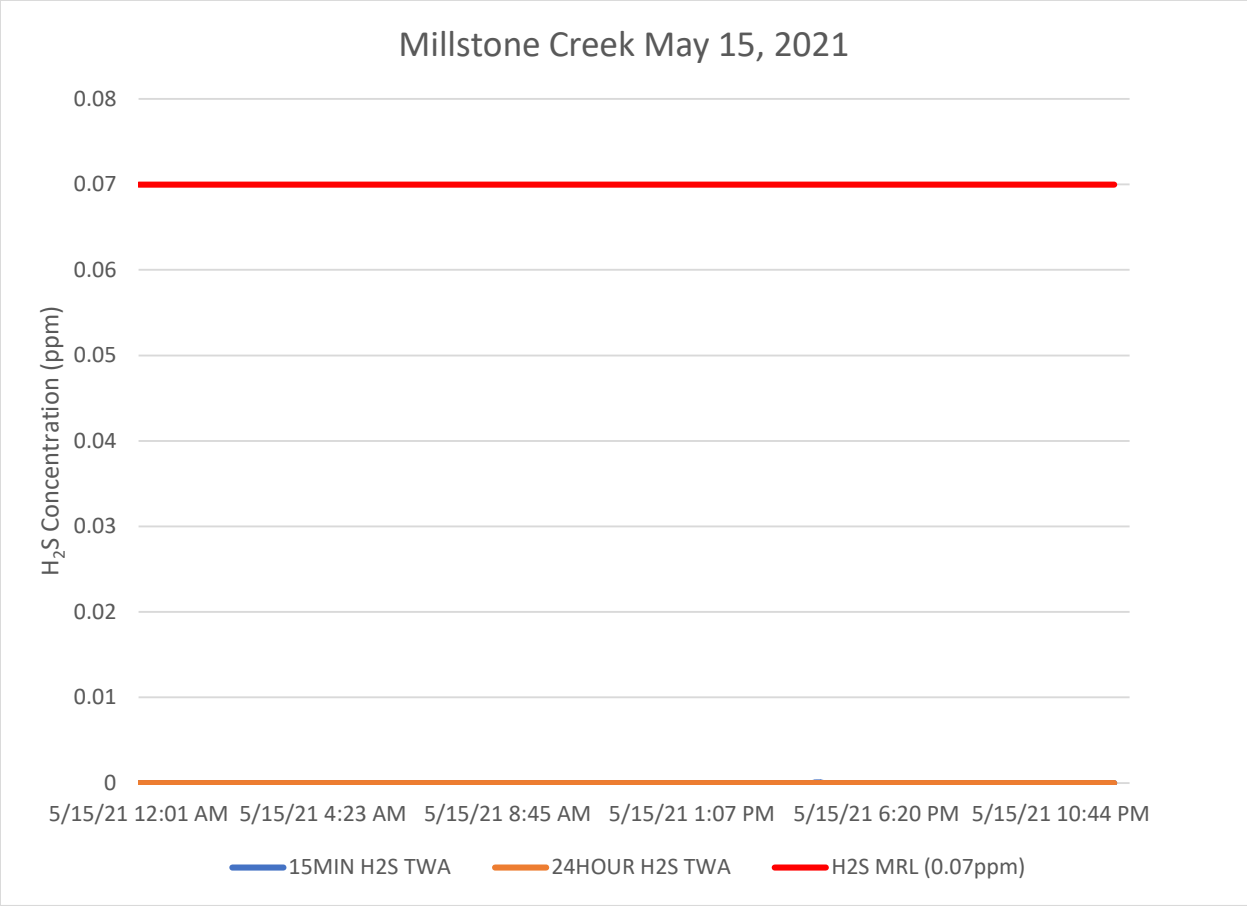
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



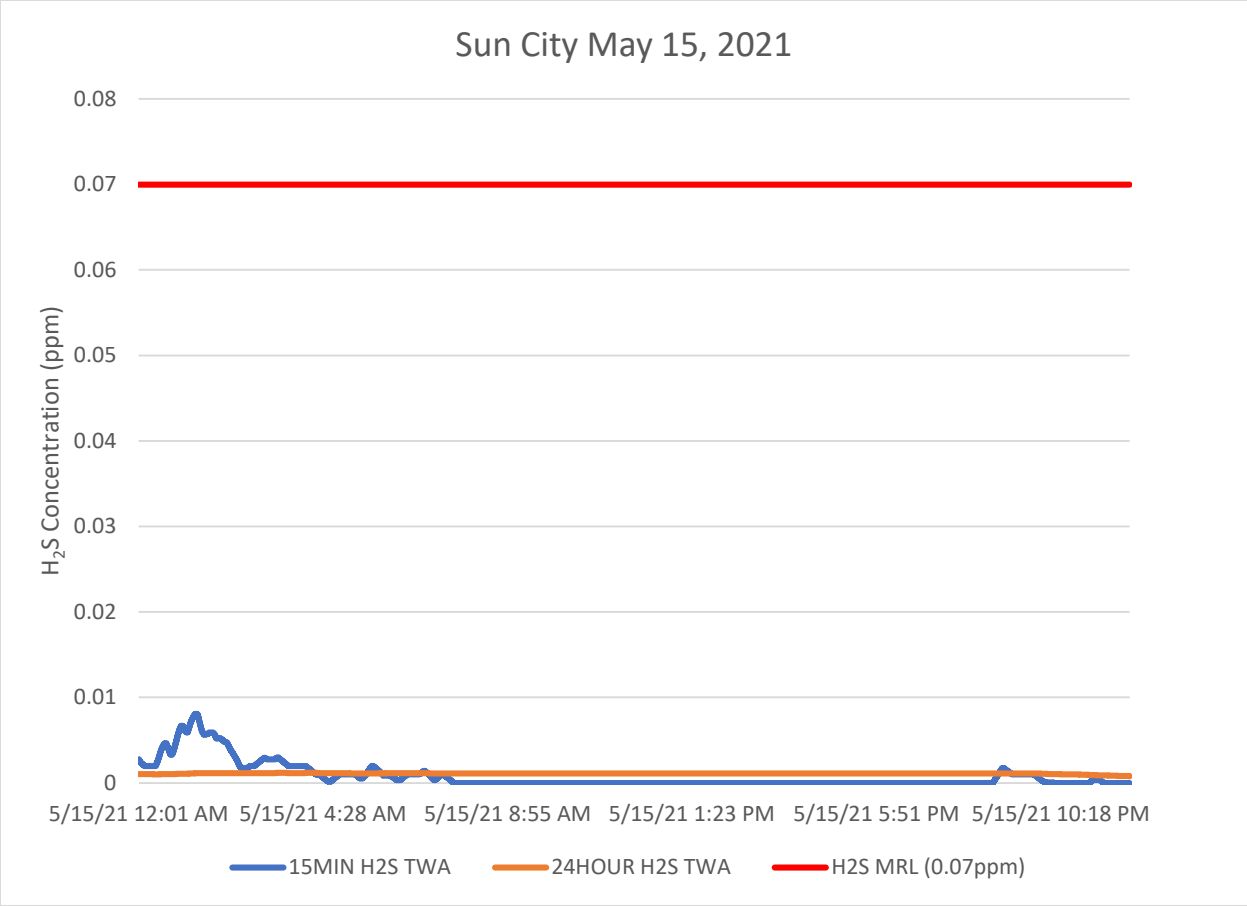
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



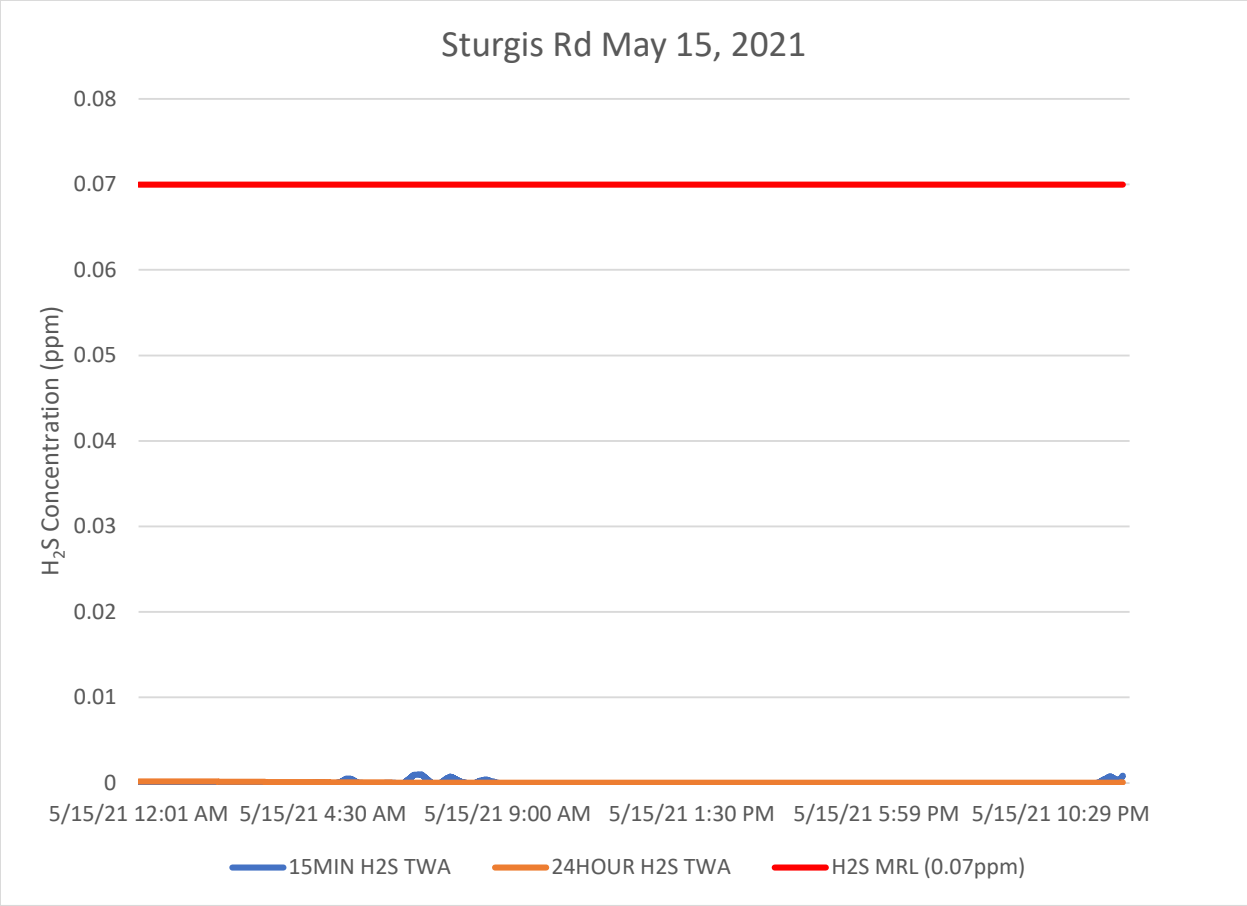
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



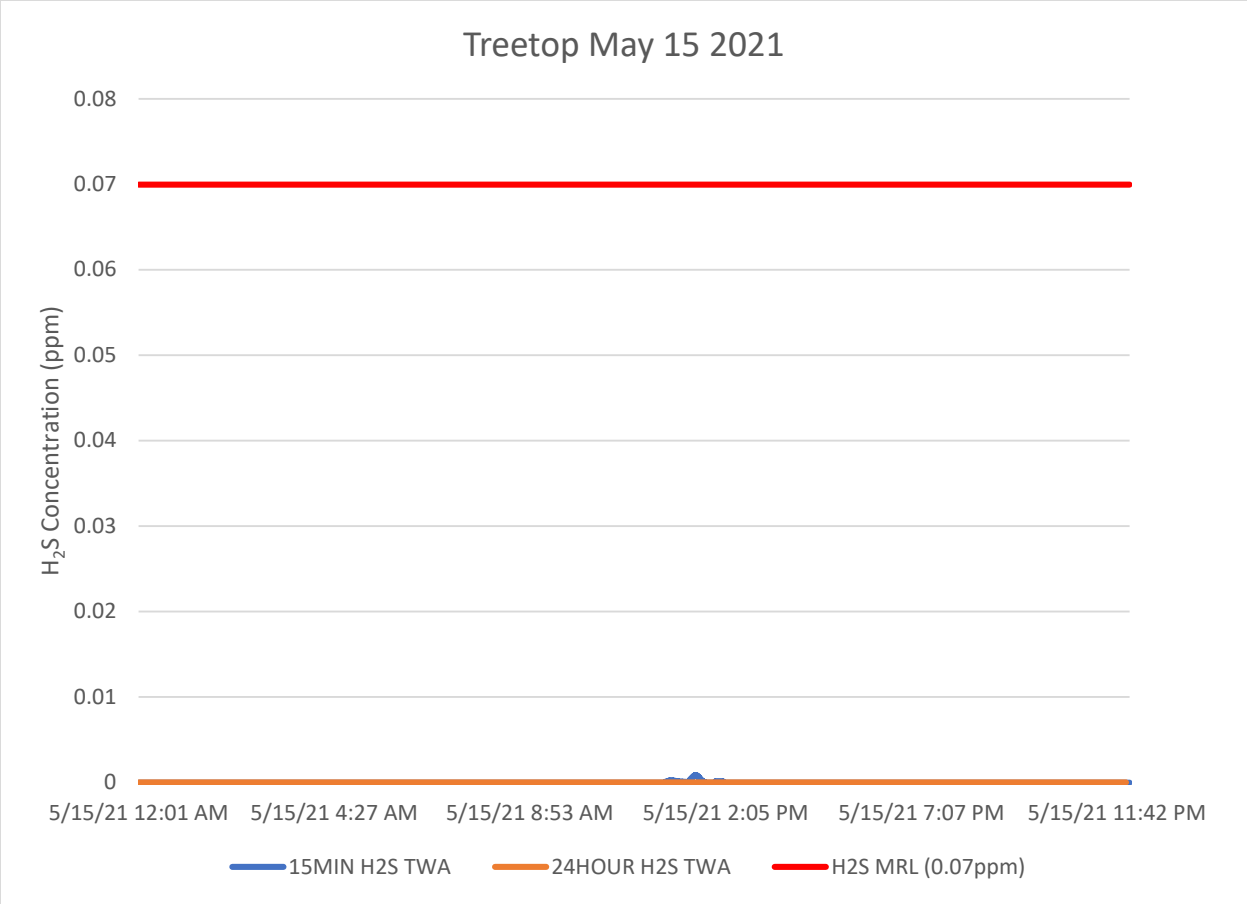
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/16/21 12:01 AM** ***To:*** **5/16/21 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	53960	21760	0 - 0.023 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	53676	1914	0 - 0.004 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	52502	24736	0 - 0.016 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	53742	21888	0 - 0.025 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	53490	2328	0 - 0.006 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
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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/17/21 12:01 AM** ***To:*** **5/17/21 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

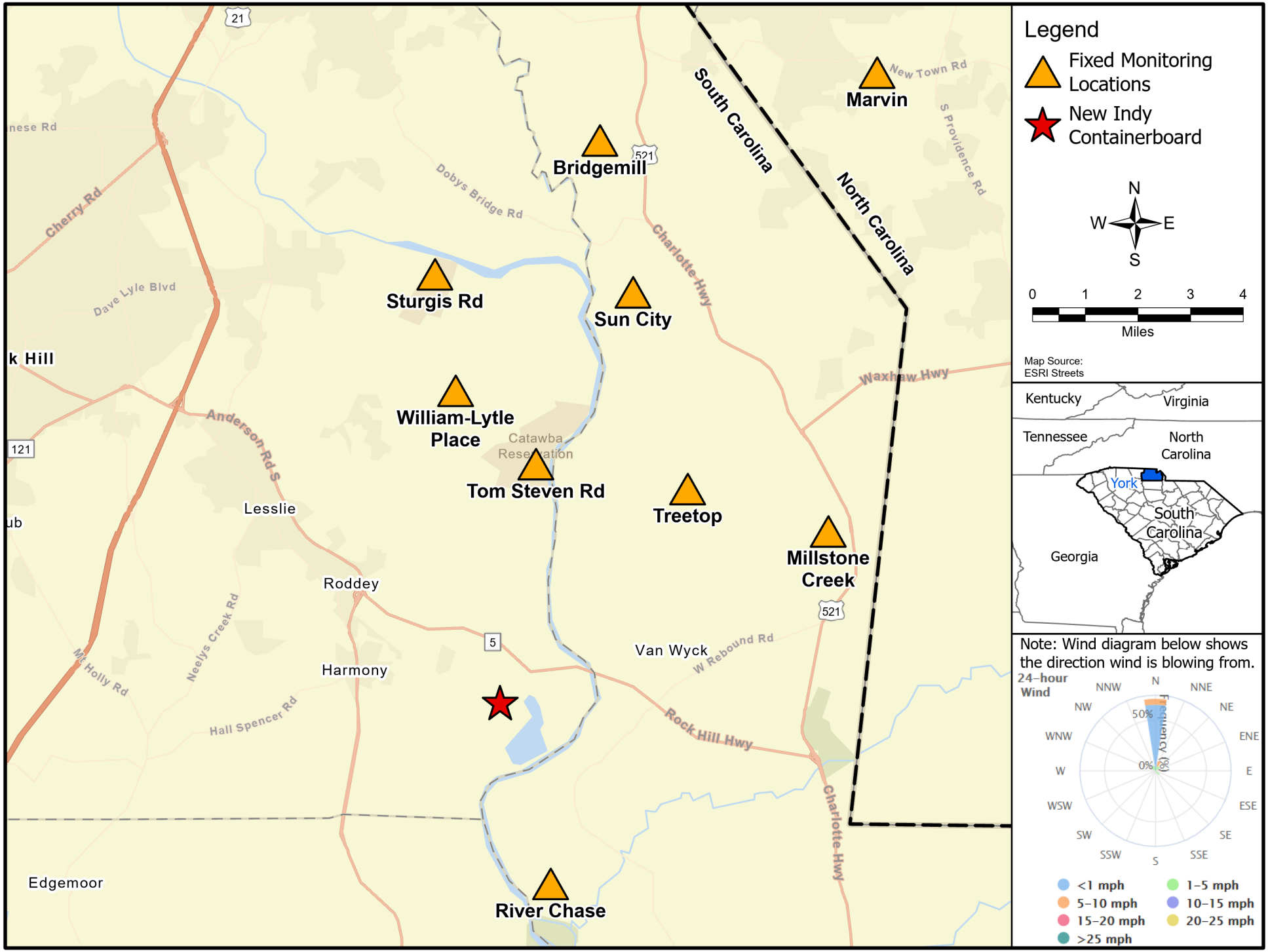
Marvin							
Instrument	**Analyte**	**ATSDR MRL Exceedance?**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**ATSDR MRL**
SPM Flex 8	H2S	No	40626	0	0 - 0 ppb	0 ppb	70 ppb

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)
H_2S	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



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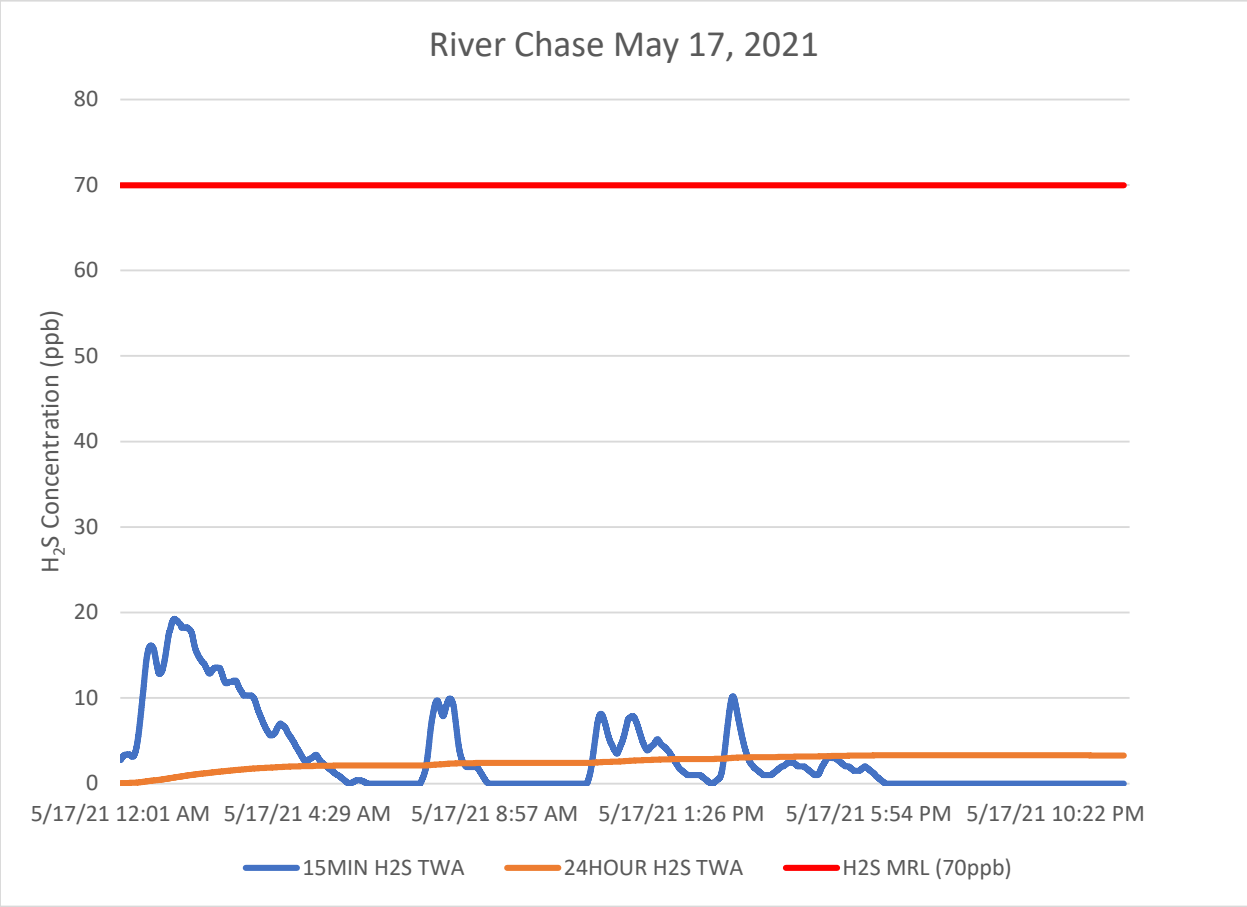
H_2S in South and North Carolina

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.

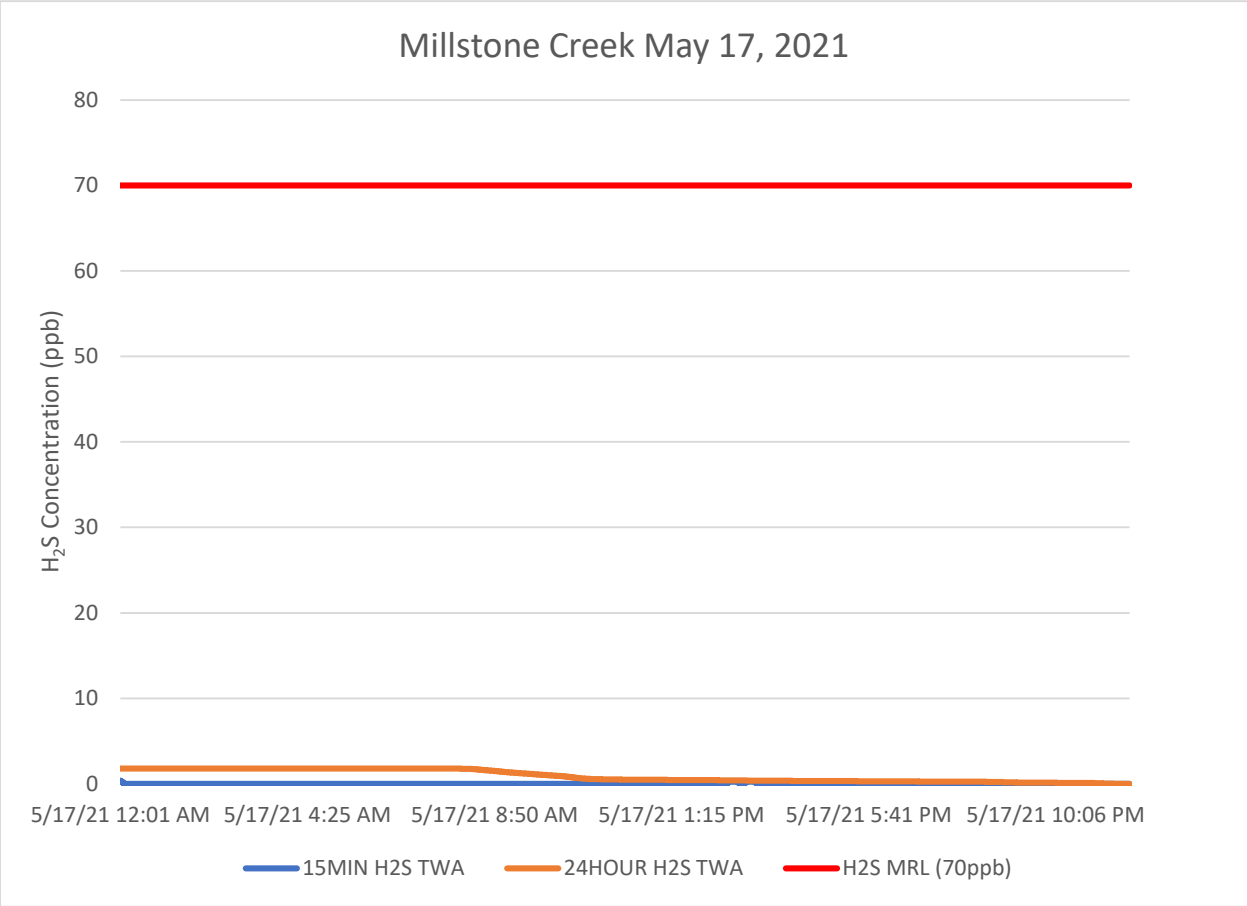
The prevailing wind directions for this reporting period were out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

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.



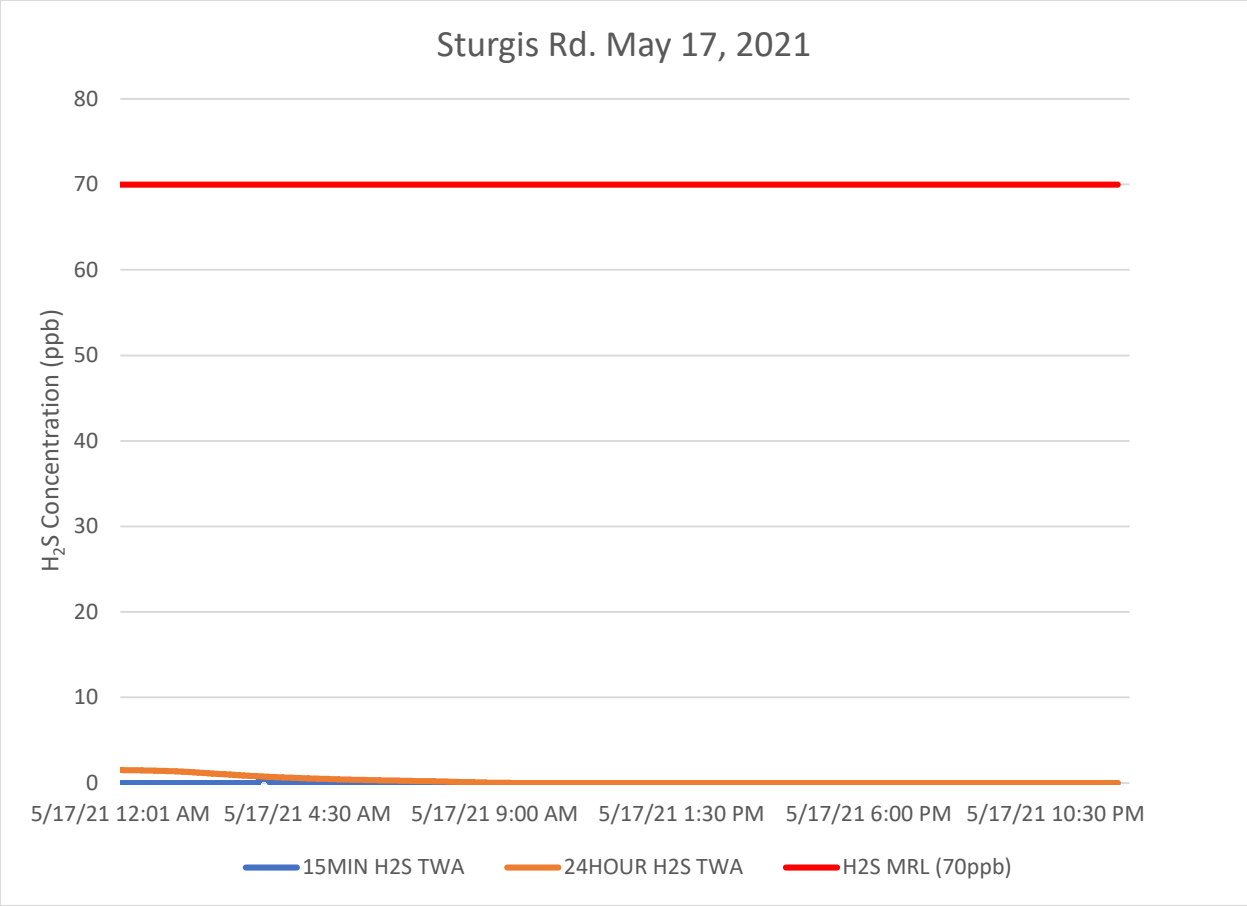
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



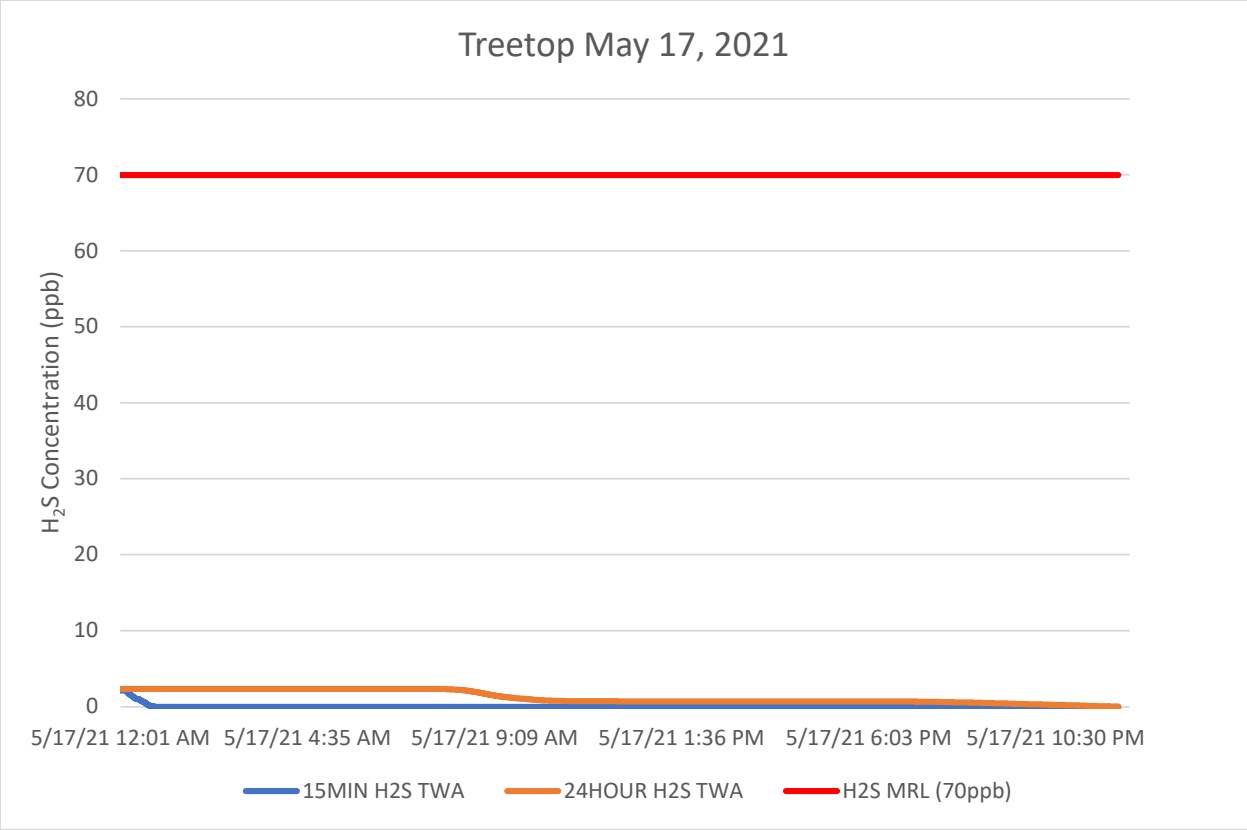
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/18/21 12:01 AM** ***To:*** **5/18/21 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	53838	262	0 - 1 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	53710	50	0 - 1 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	54214	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	53827	556	0 - 5 ppb	0.03 ppb	70 ppb

Bridgemill

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H2S	No	53452	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	51849	1959	0 - 2 ppb	0.05 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	53316	470	0 - 2 ppb	0.02 ppb	70 ppb

Marvin

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H2S	No	53530	0	0 - 0 ppb	0 ppb	70 ppb

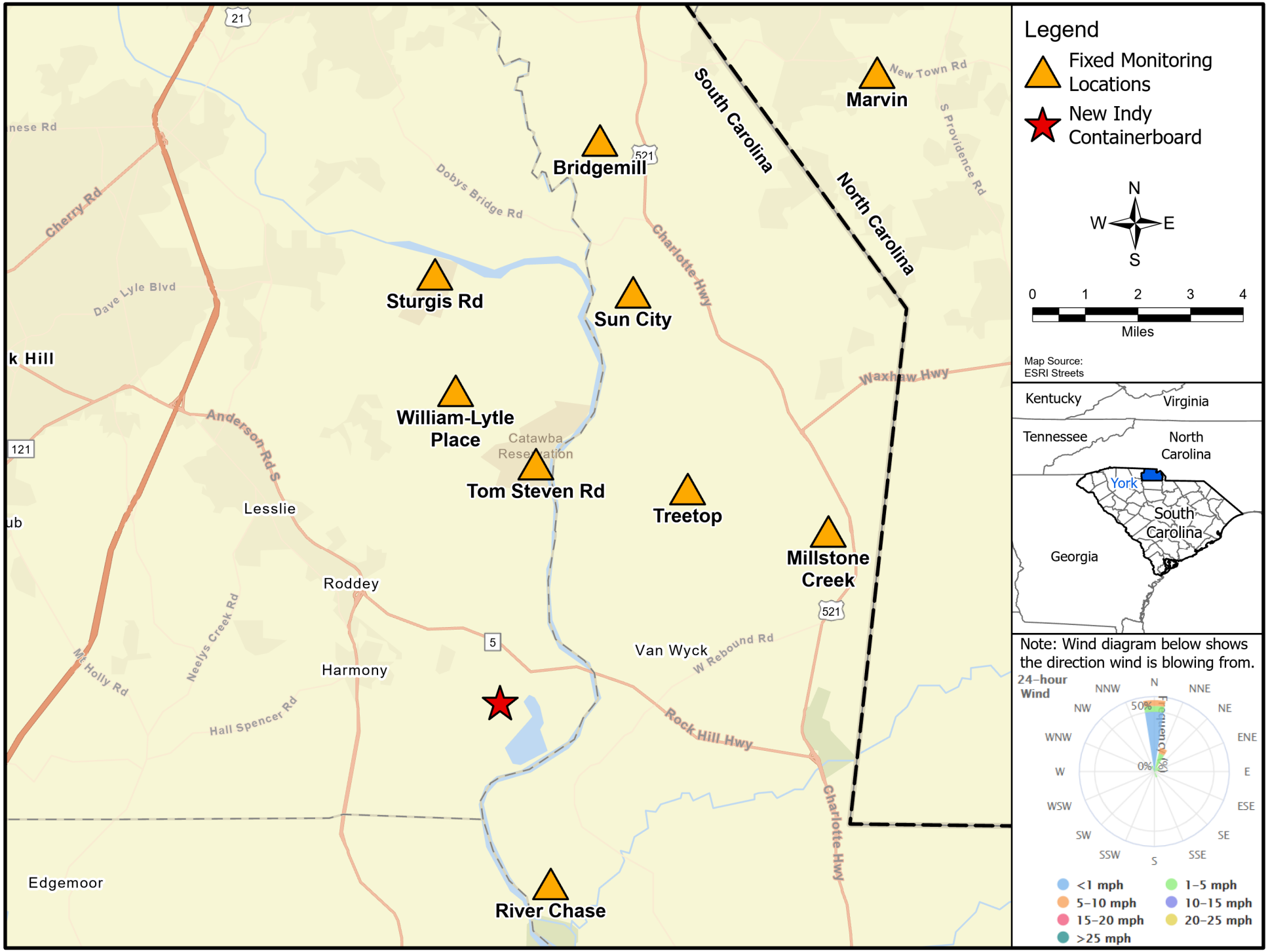
Treetop

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	53958	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)
H_2S	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



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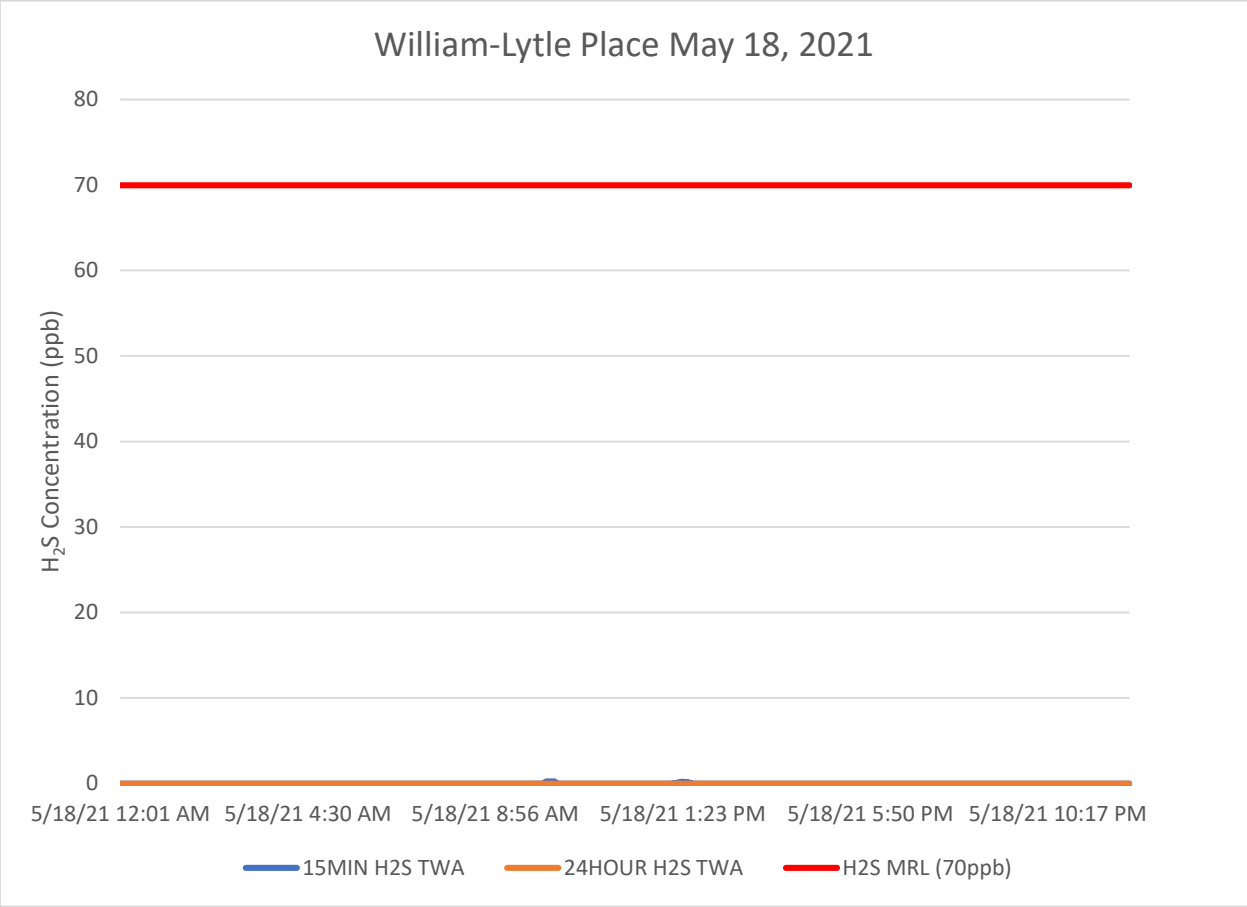
H_2S in South and North Carolina

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.

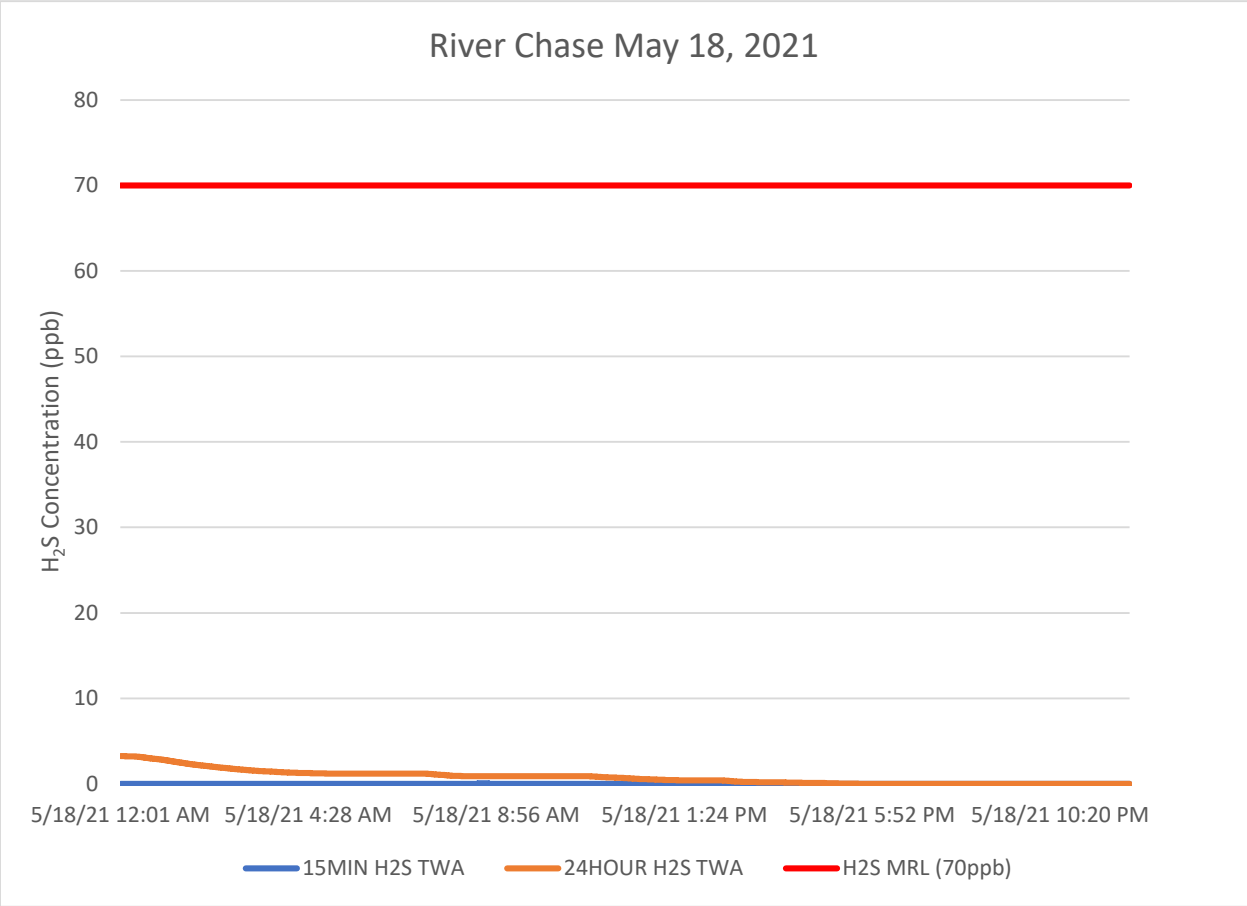
The prevailing wind directions for this reporting period were out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

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



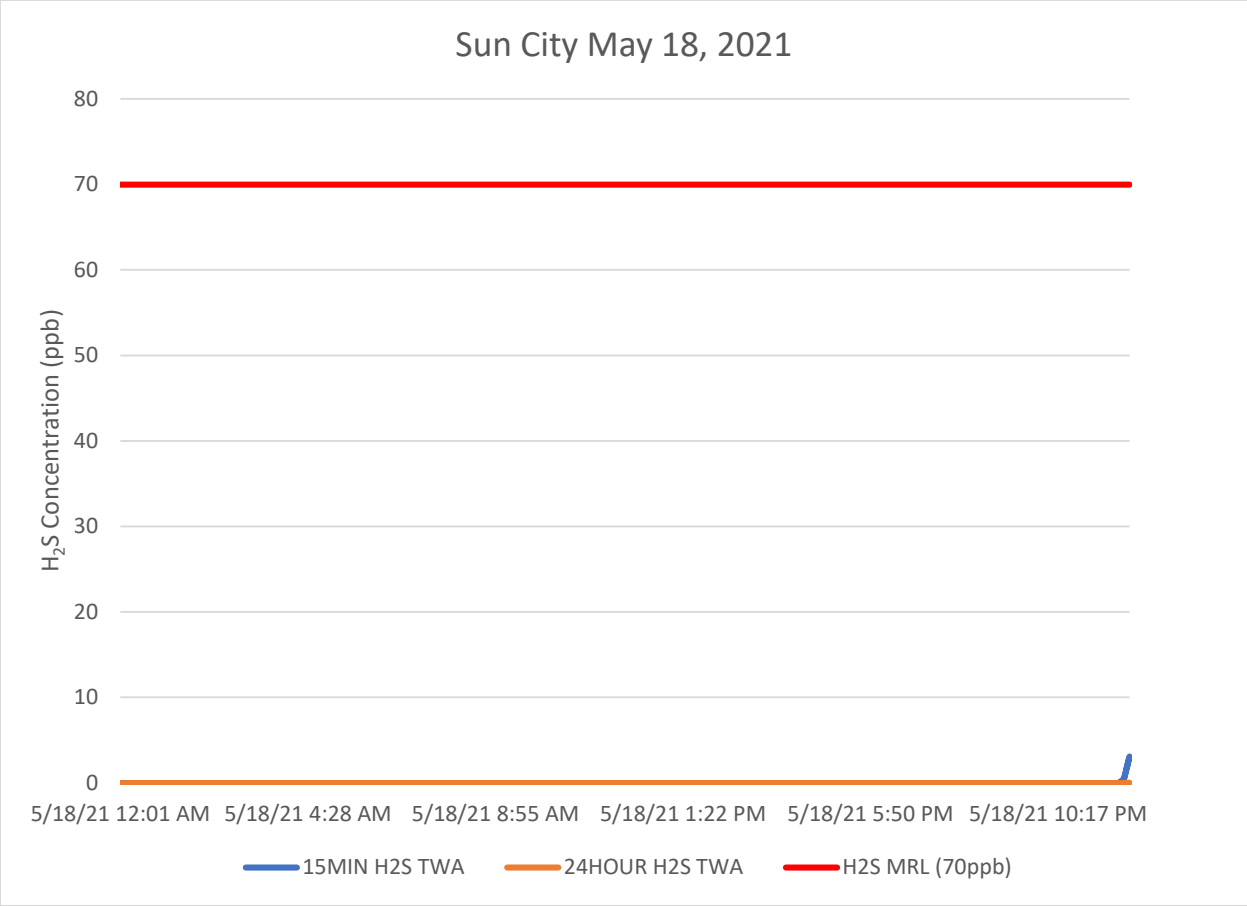
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



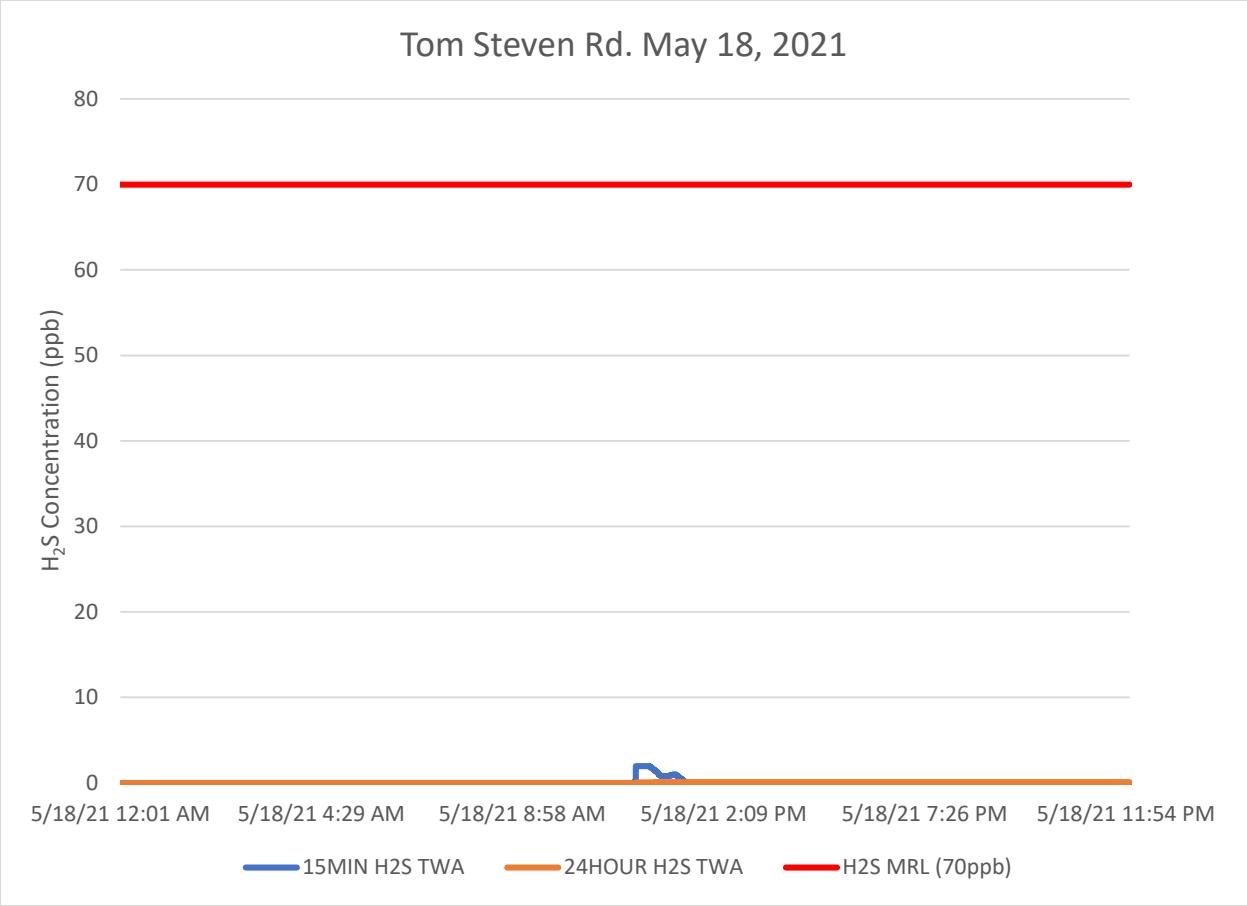
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/19/21 12:01 AM** ***To:*** **5/19/21 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							
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

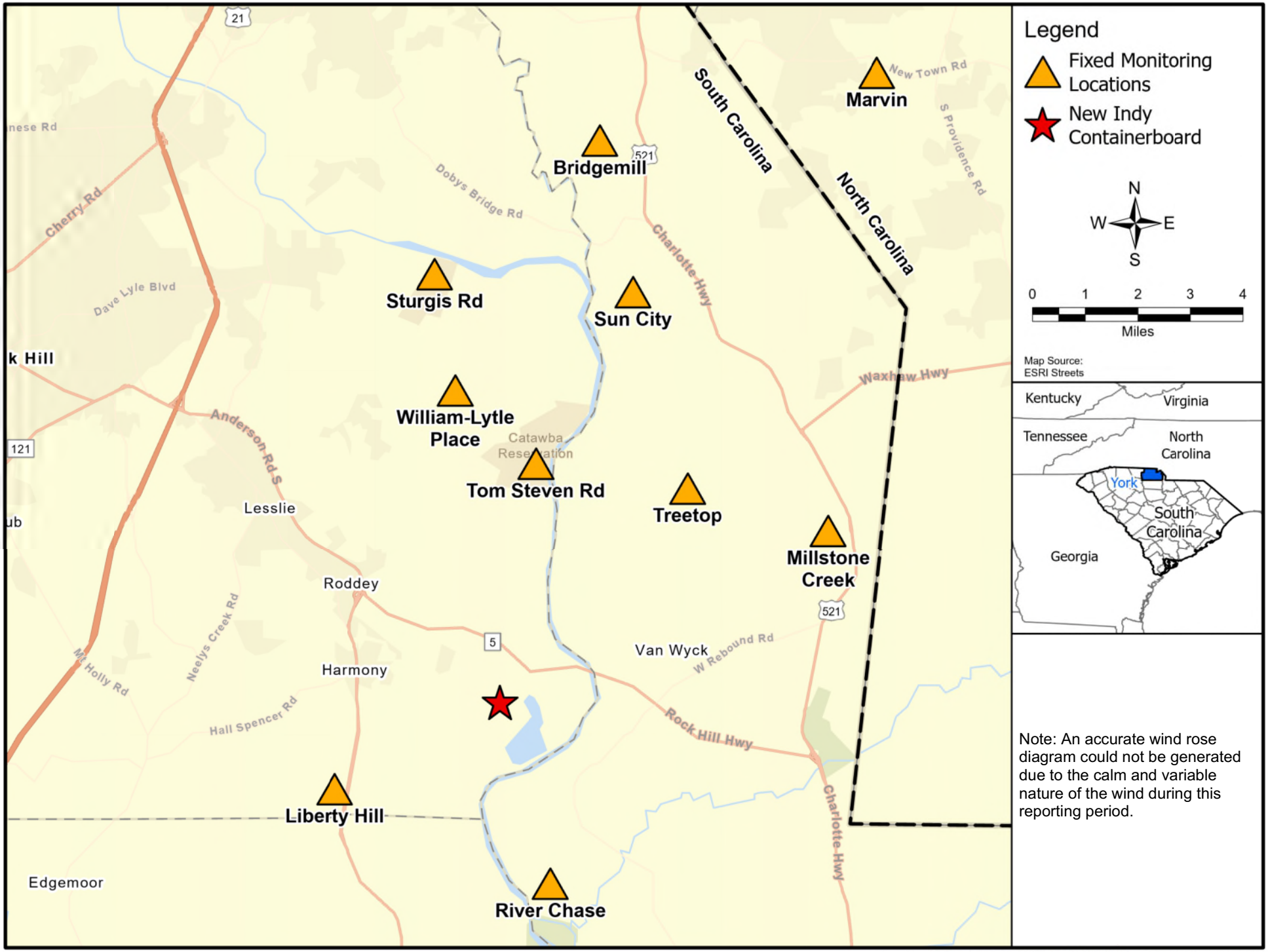
Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H2S	No	53854	0	0 - 0 ppb	0 ppb	70 ppb

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)
H_2S	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



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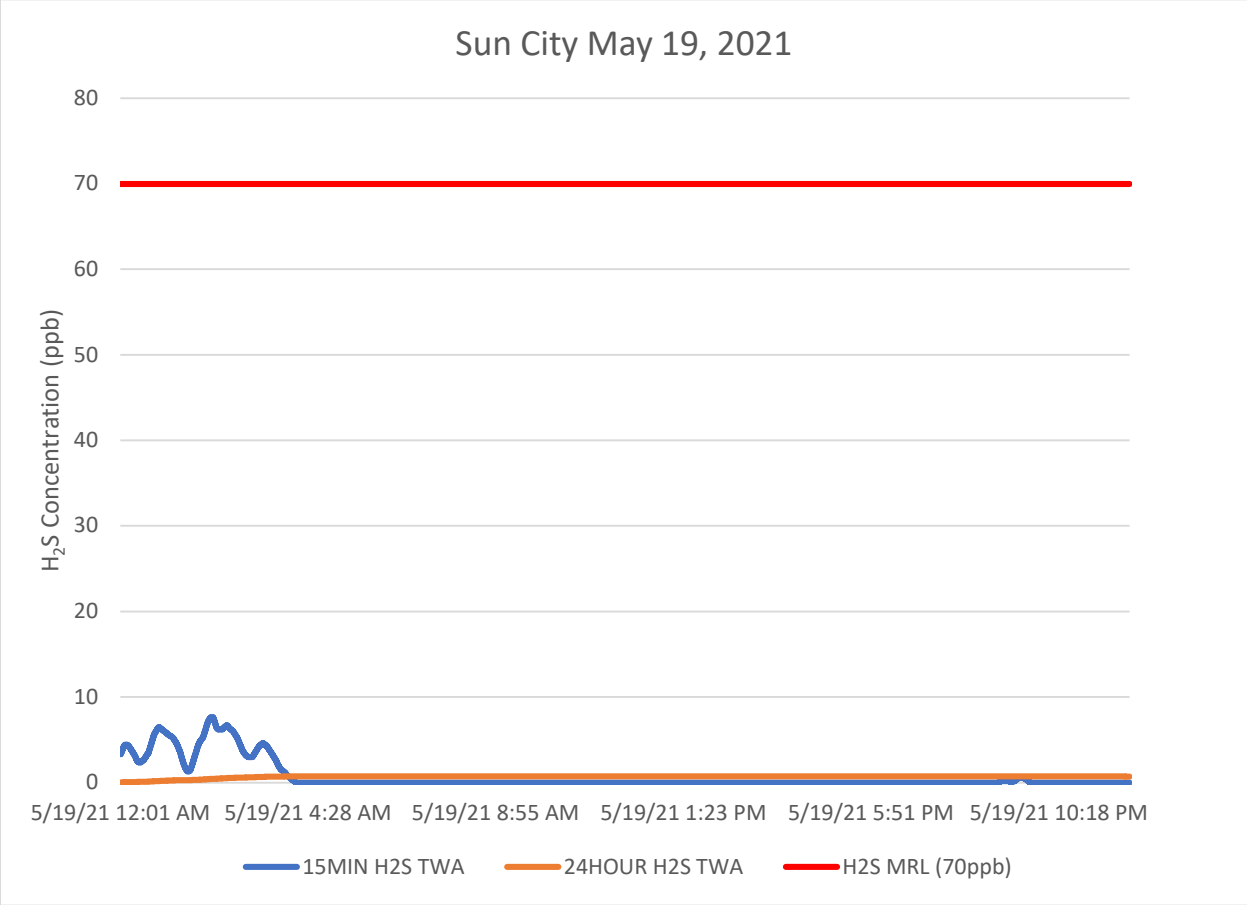
H_2S in South and North Carolina

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.

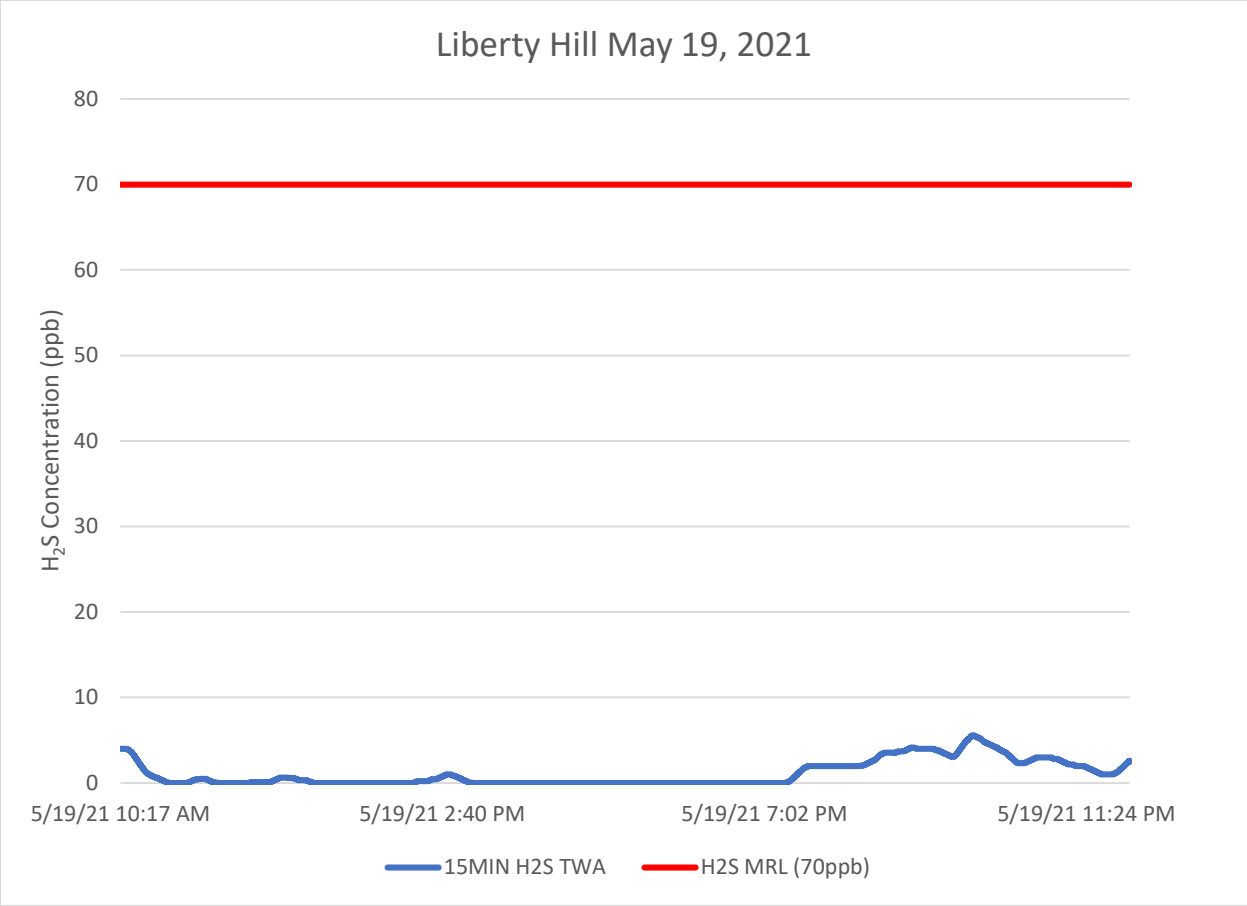
The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the northeast to southwest. An accurate wind rose diagram could not be generated due to the calm and variable nature of the wind.

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:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

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.

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/20/21 12:01 AM** ***To:*** **5/20/21 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	53880	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	53242	4538	0 - 2 ppb	0.1 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	54786	2478	0 - 1 ppb	0.05 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	53730	4088	0 - 8 ppb	0.19 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	53586	1752	0 - 1 ppb	0.03 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	53123	5230	0 - 1 ppb	0.1 ppb	70 ppb

Sturgis

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H2S	No	53278	3738	0 - 2 ppb	0.09 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	53520	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	53900	312	0 - 1 ppb	0.01 ppb	70 ppb

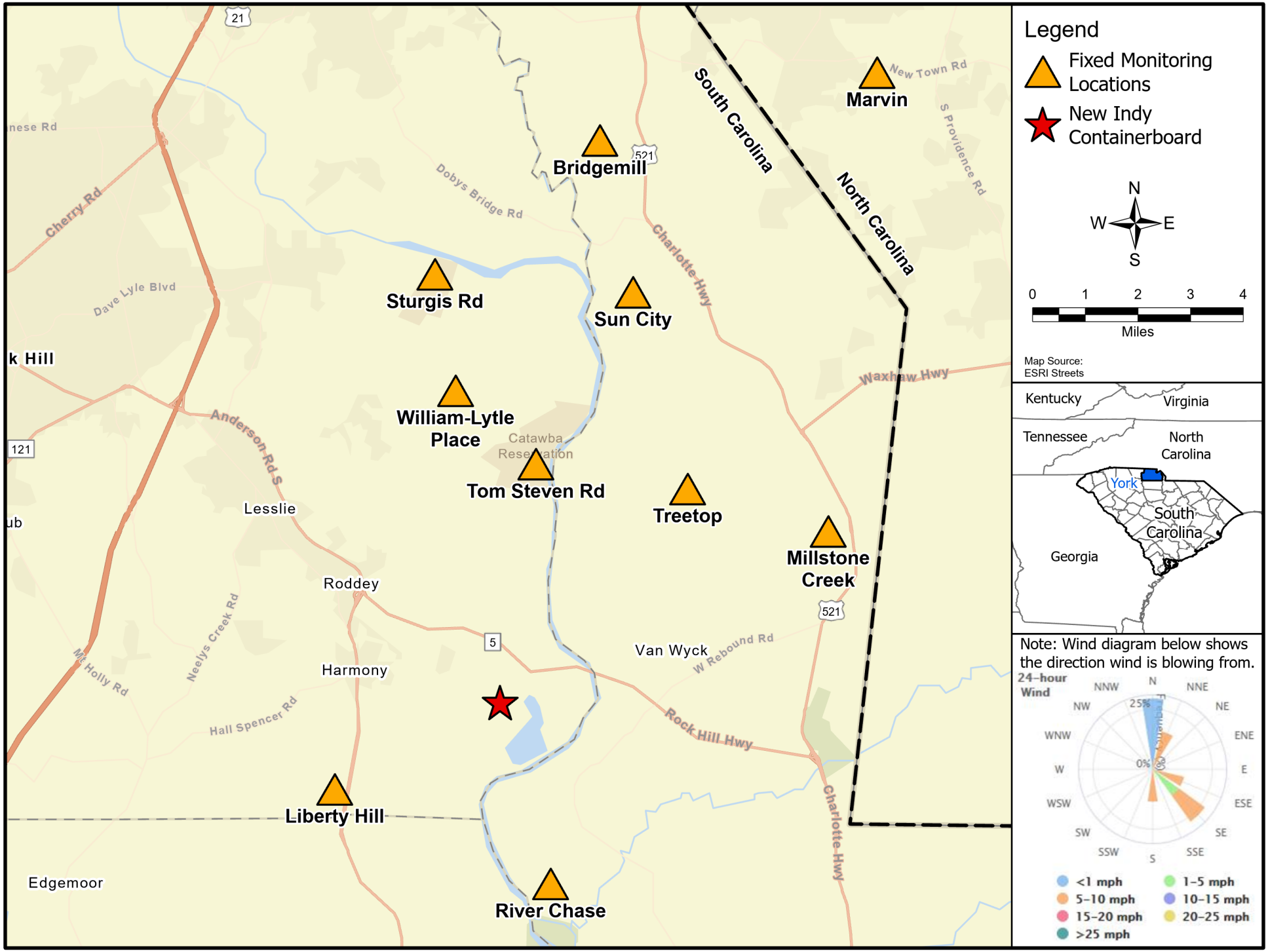
Liberty Hill

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	54770	18850	0 - 16 ppb	1.32 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)
H_2S	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



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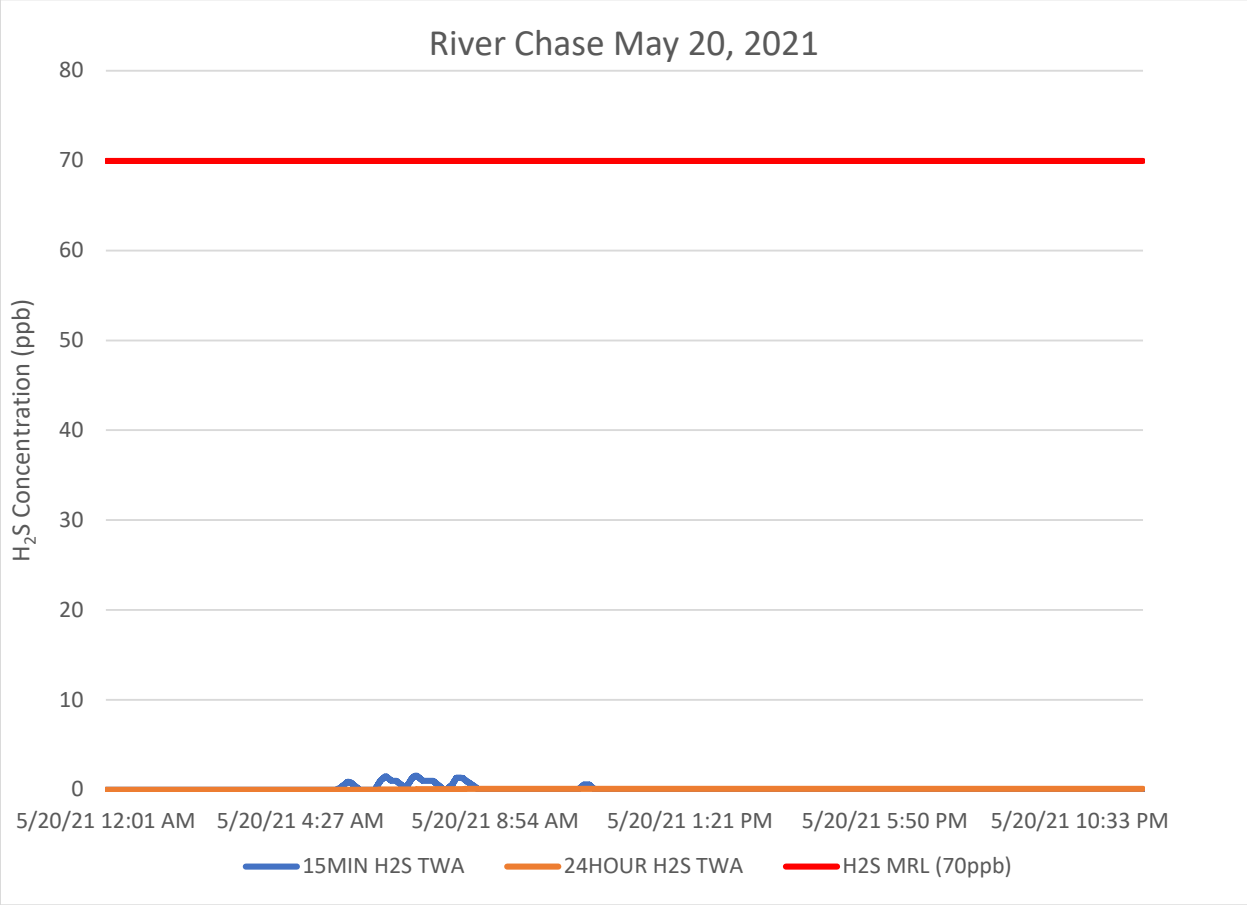
H_2S in South and North Carolina

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.

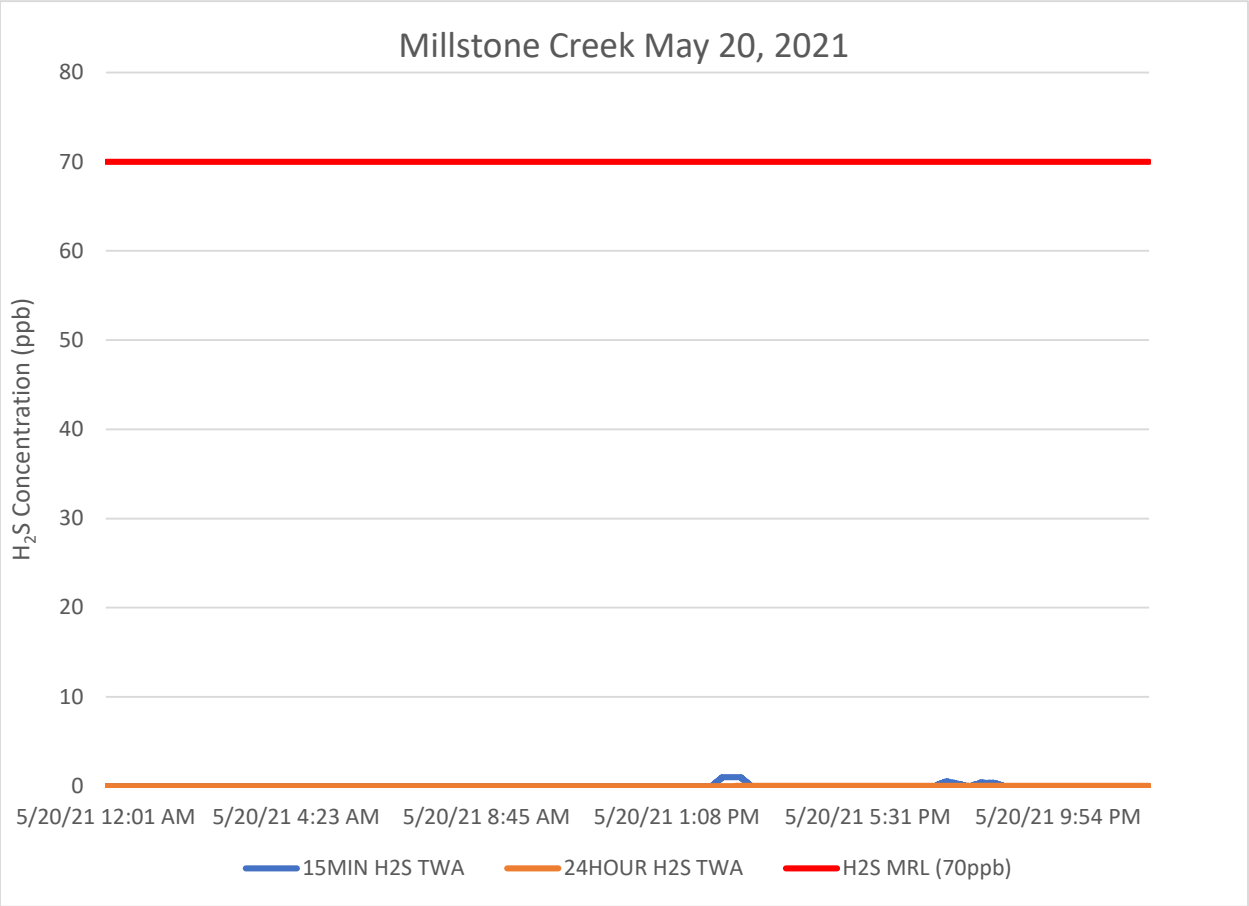
The prevailing sustained wind direction for this reporting period were mostly calm or lite variable winds out of the southeast. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place and Marvin.



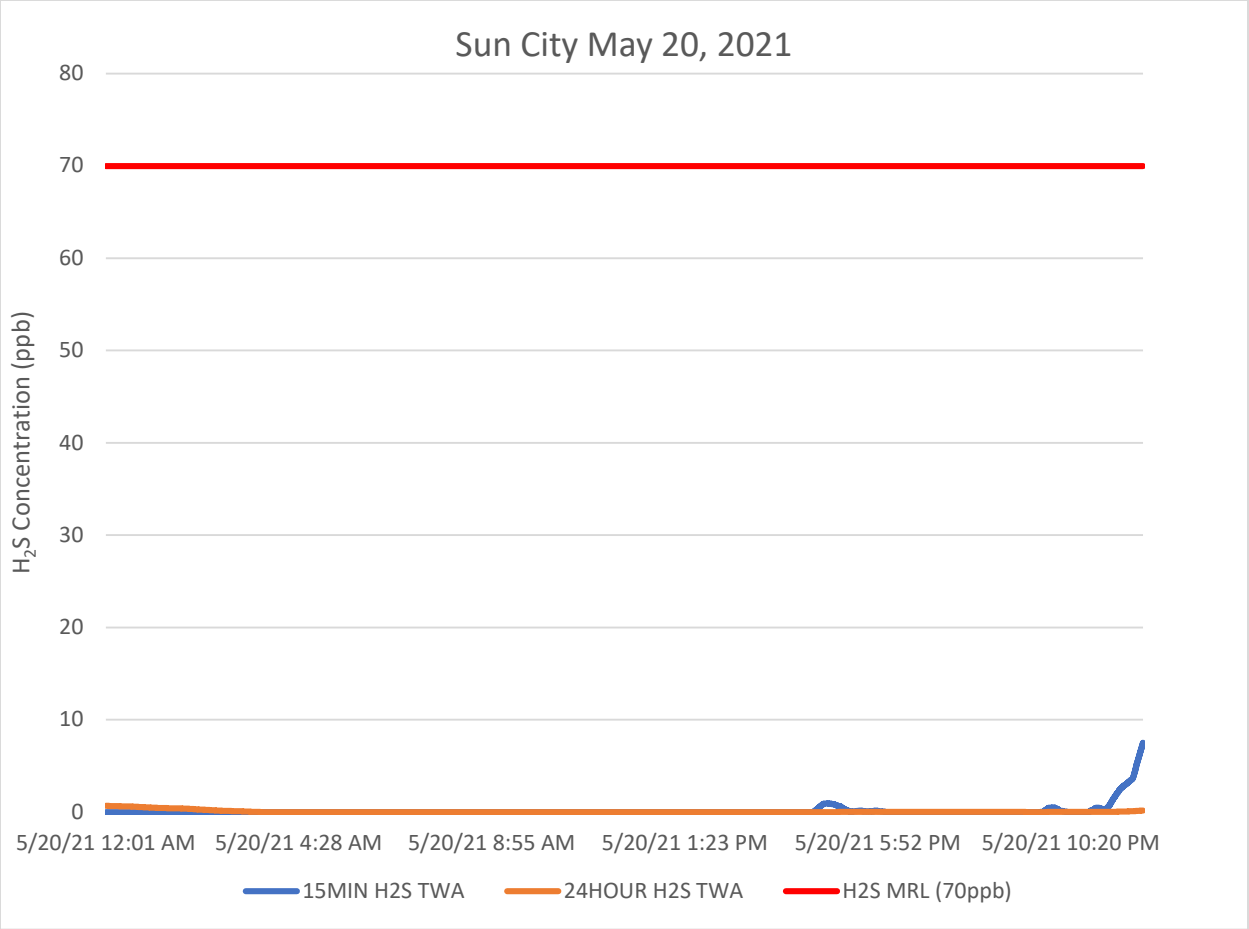
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



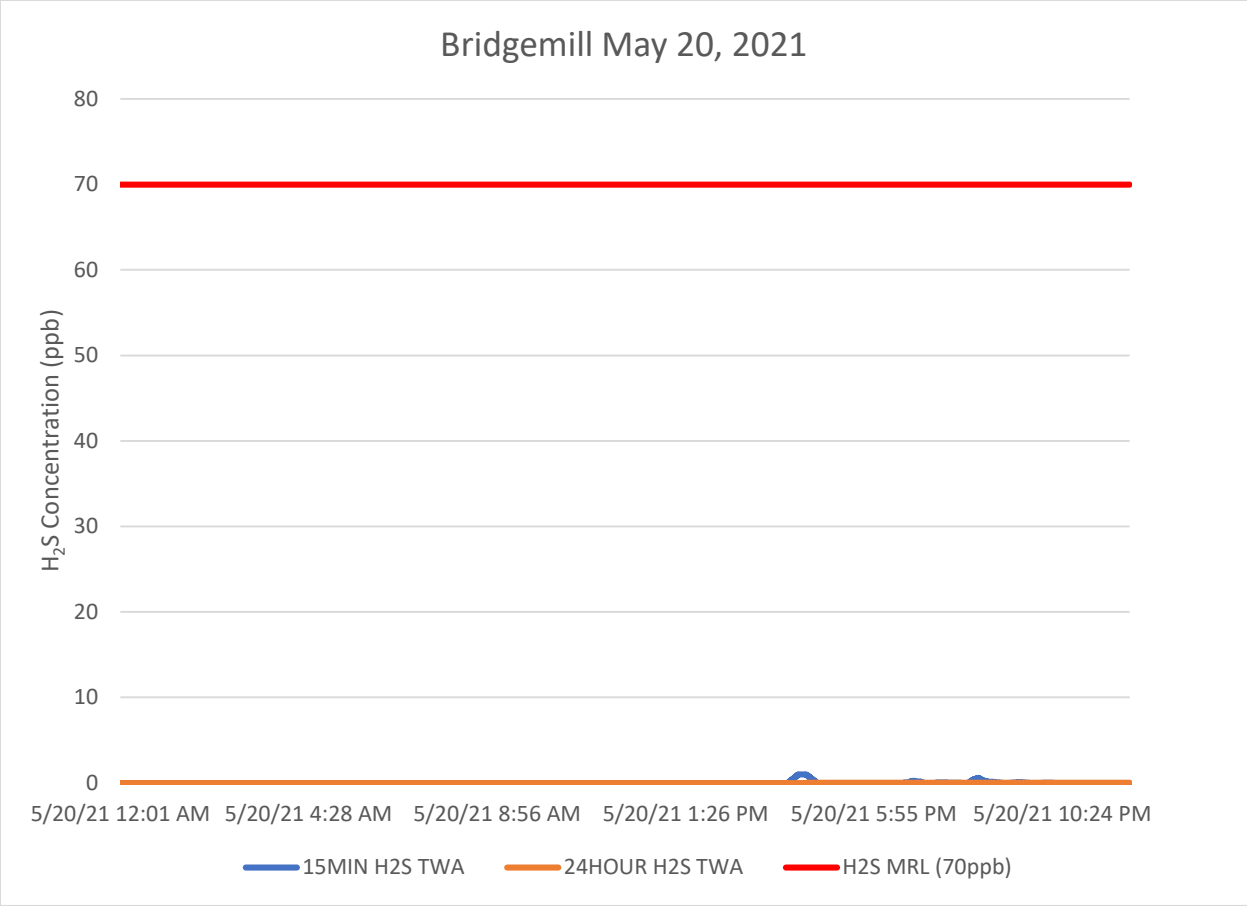
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



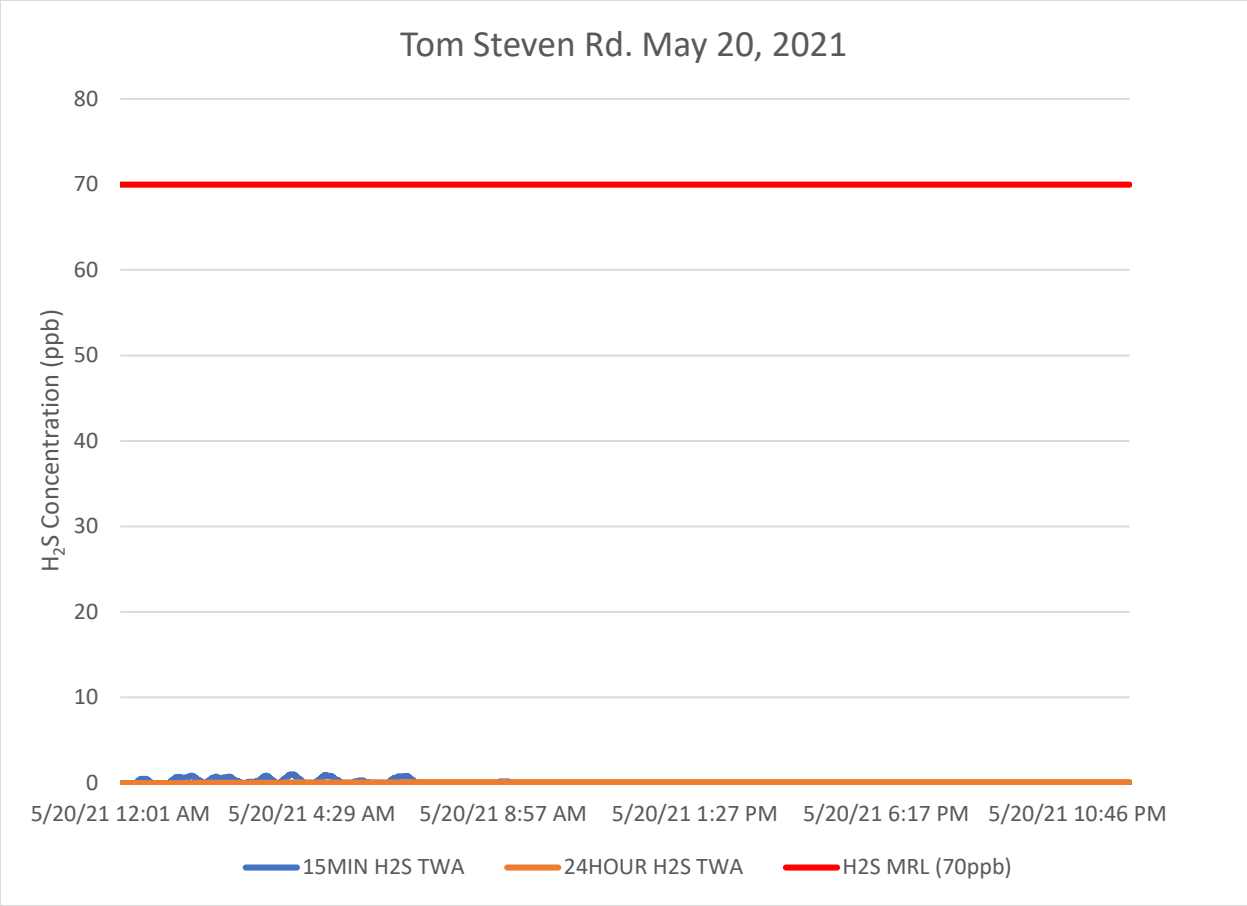
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



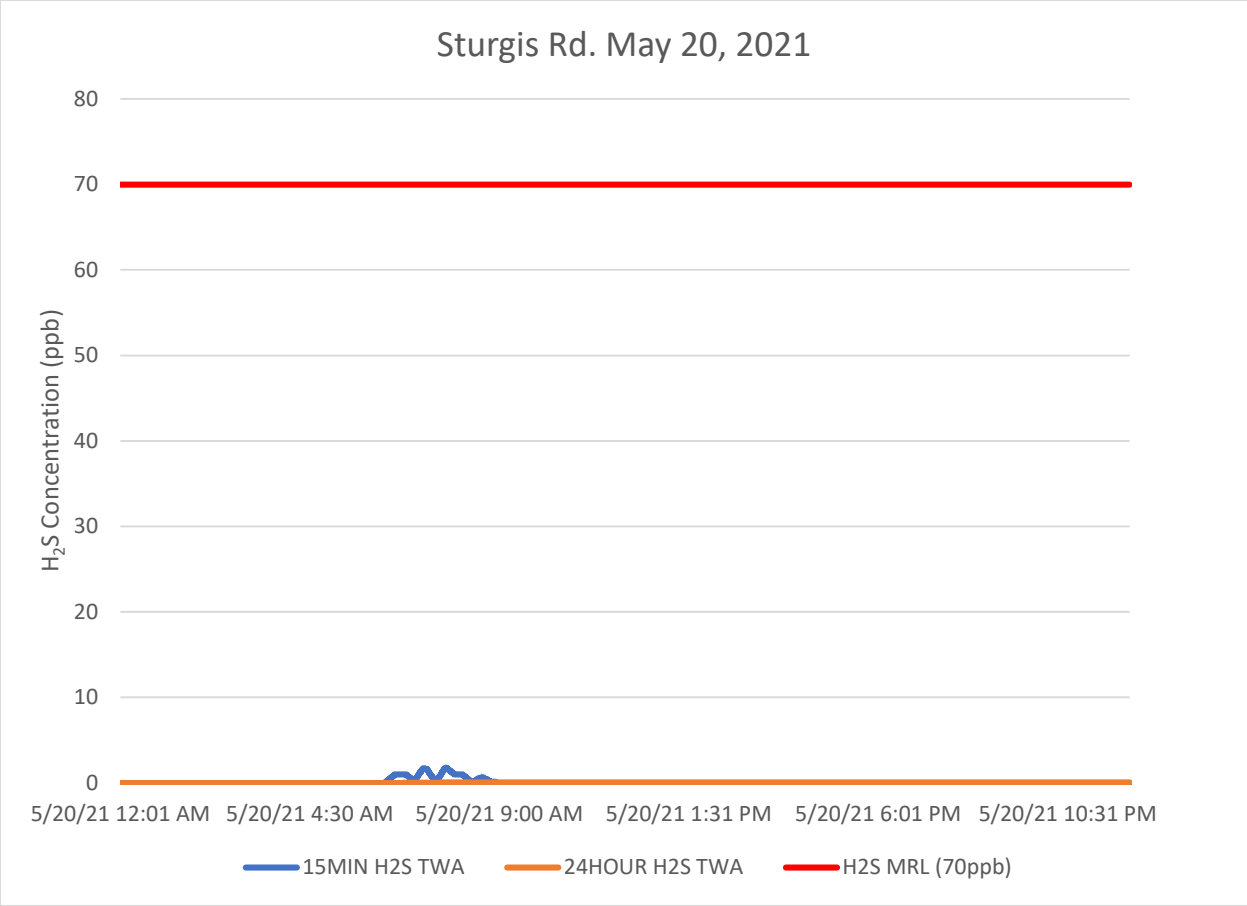
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



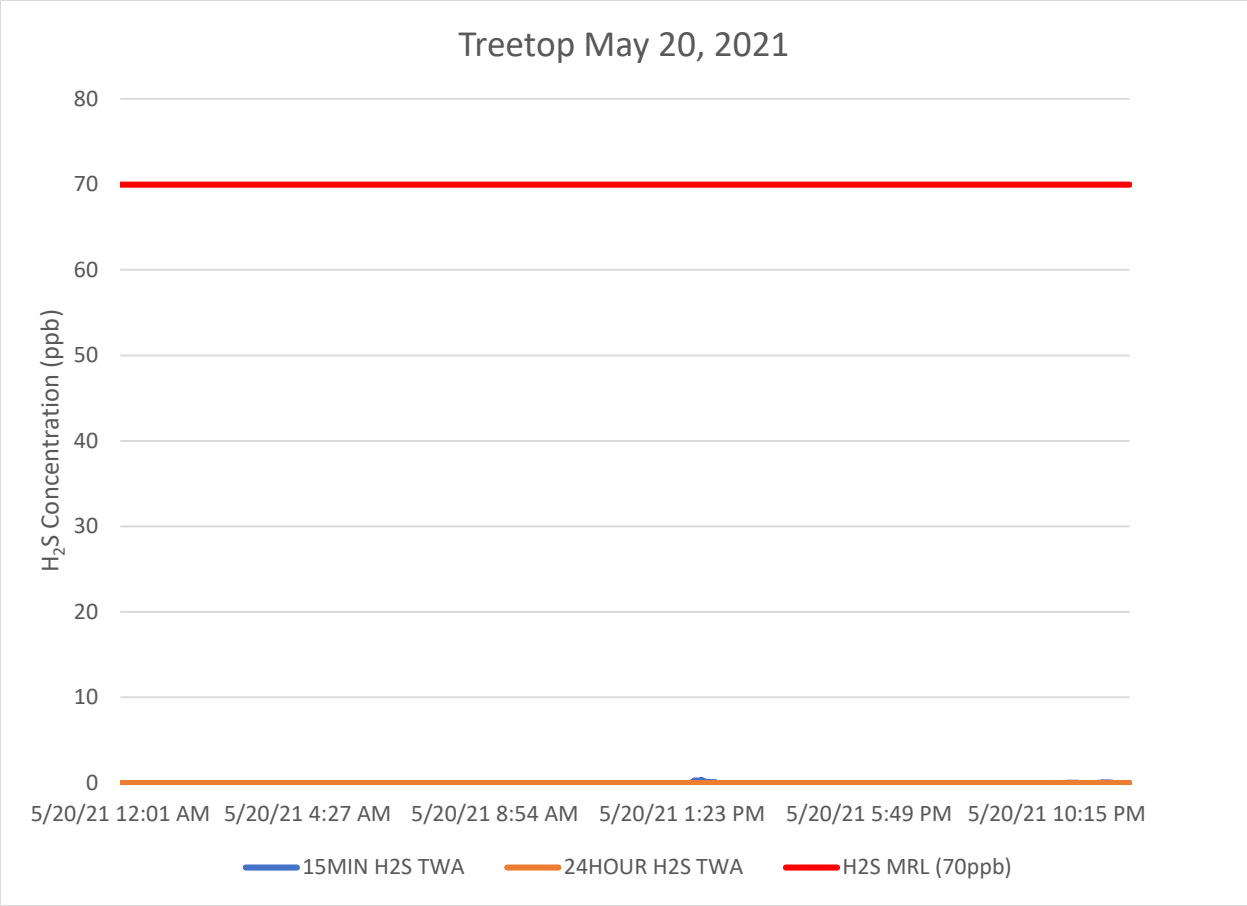
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



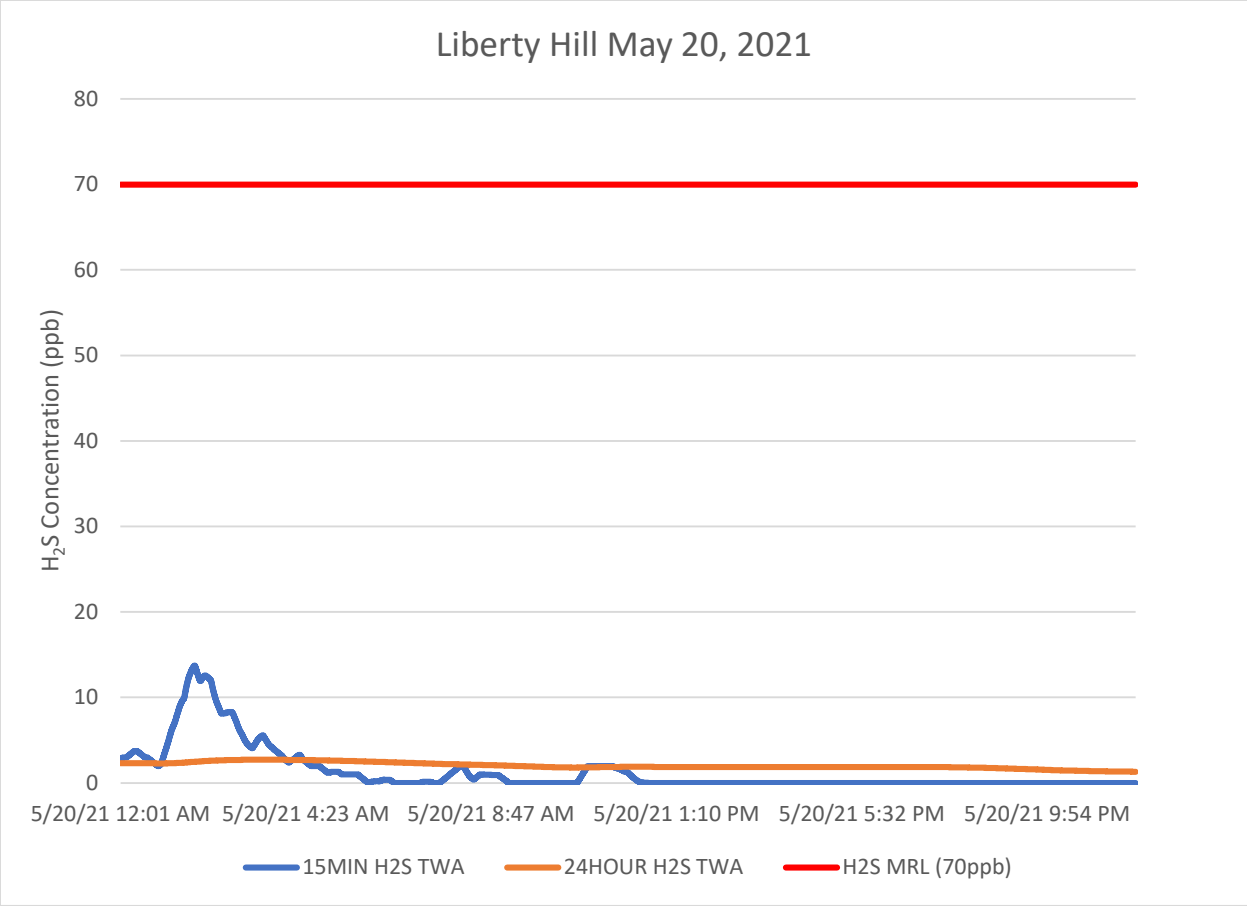
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/21/21 12:01 AM** ***To:*** ***5/21/21 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	53928	2720	0 - 2 ppb	0.05 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	53120	13404	0 - 7 ppb	1.04 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	53150	8708	0 - 2 ppb	0.17 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	53842	5310	0 - 8 ppb	0.31 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	53666	3328	0 - 1 ppb	0.06 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	53598	10652	0 - 3 ppb	0.34 ppb	70 ppb

Sturgis

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

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

Treetop

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H2S	No	54012	0	0 - 0 ppb	0 ppb	70 ppb

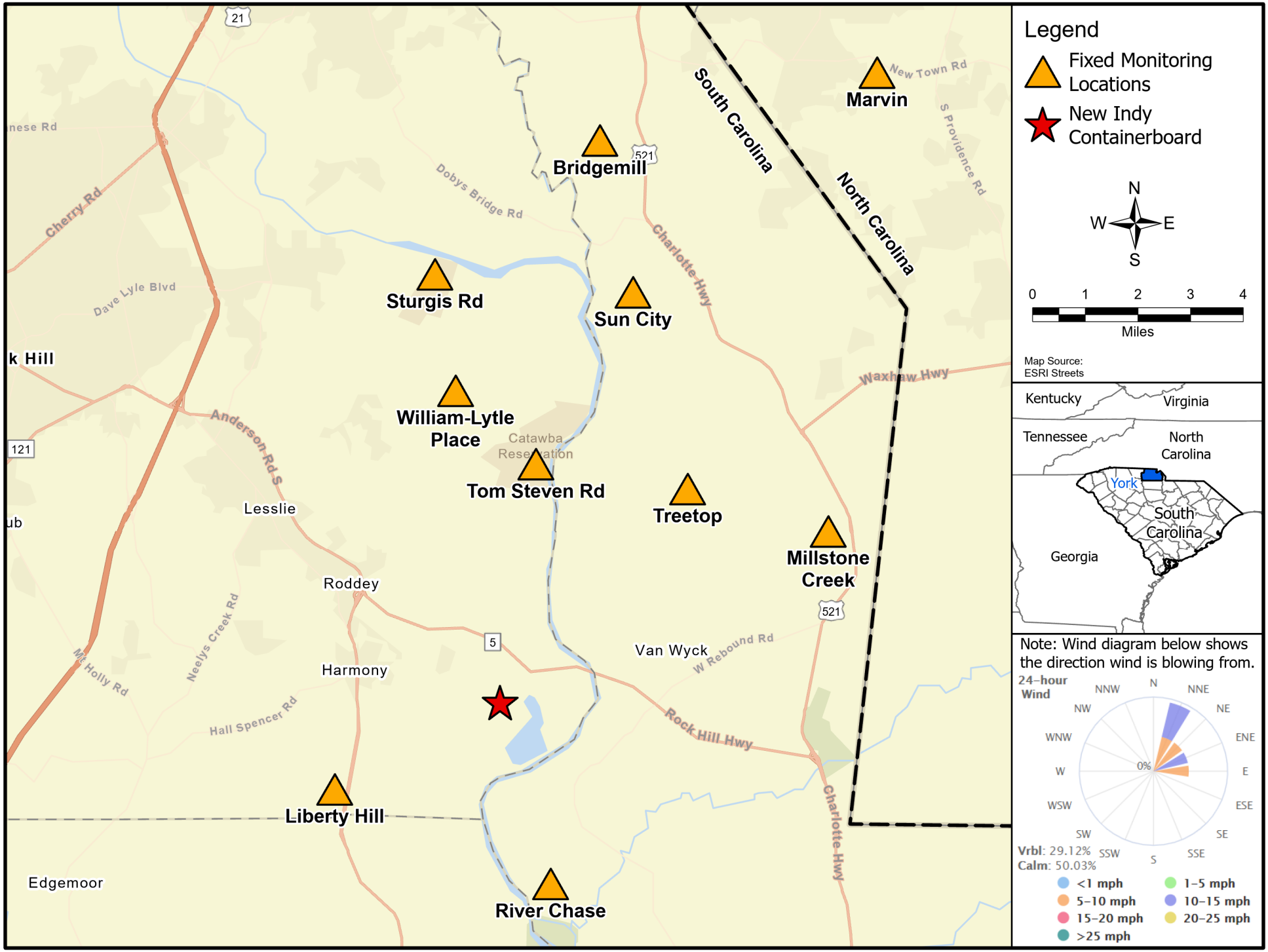
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	53307	10098	0 - 4 ppb	0.28 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)
H_2S	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



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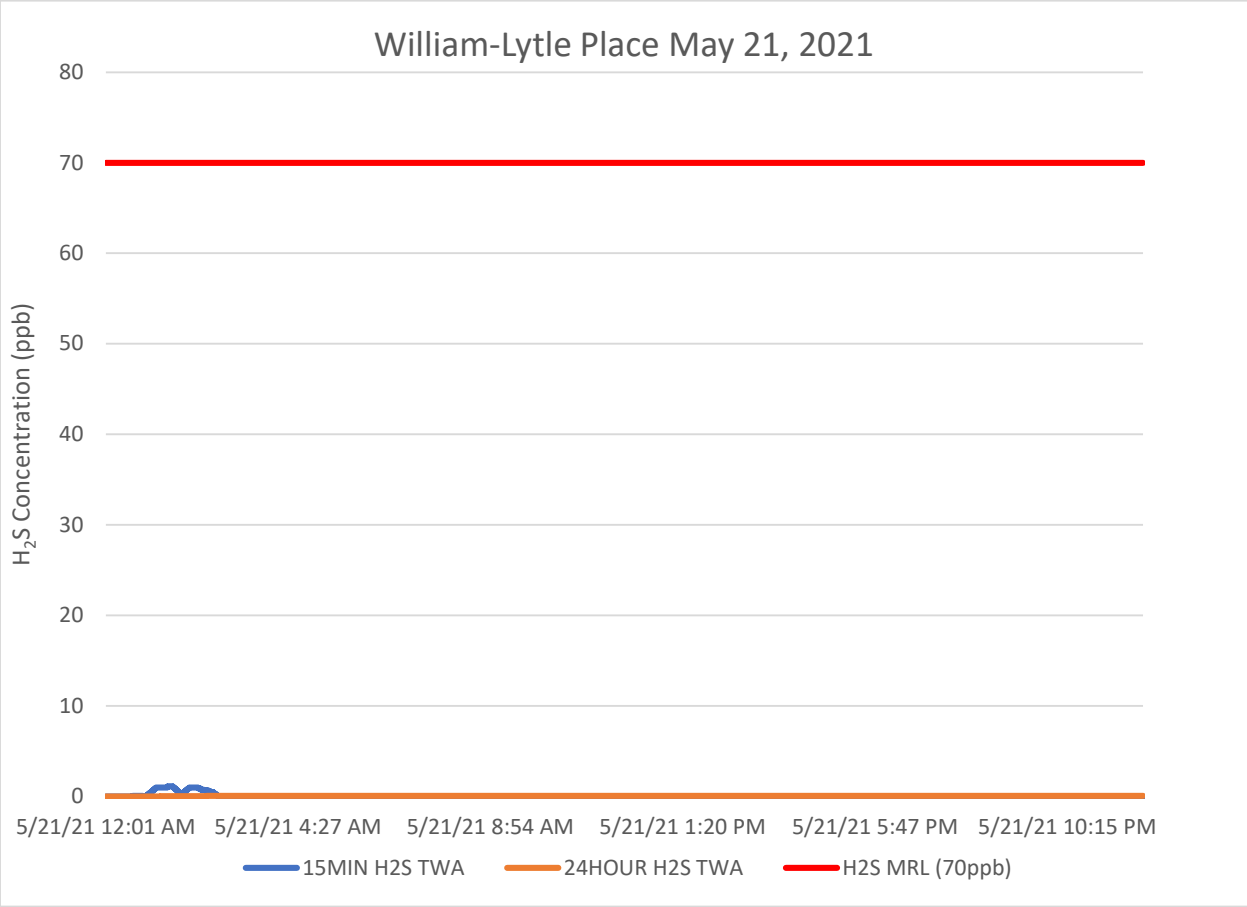
H_2S in South and North Carolina

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.

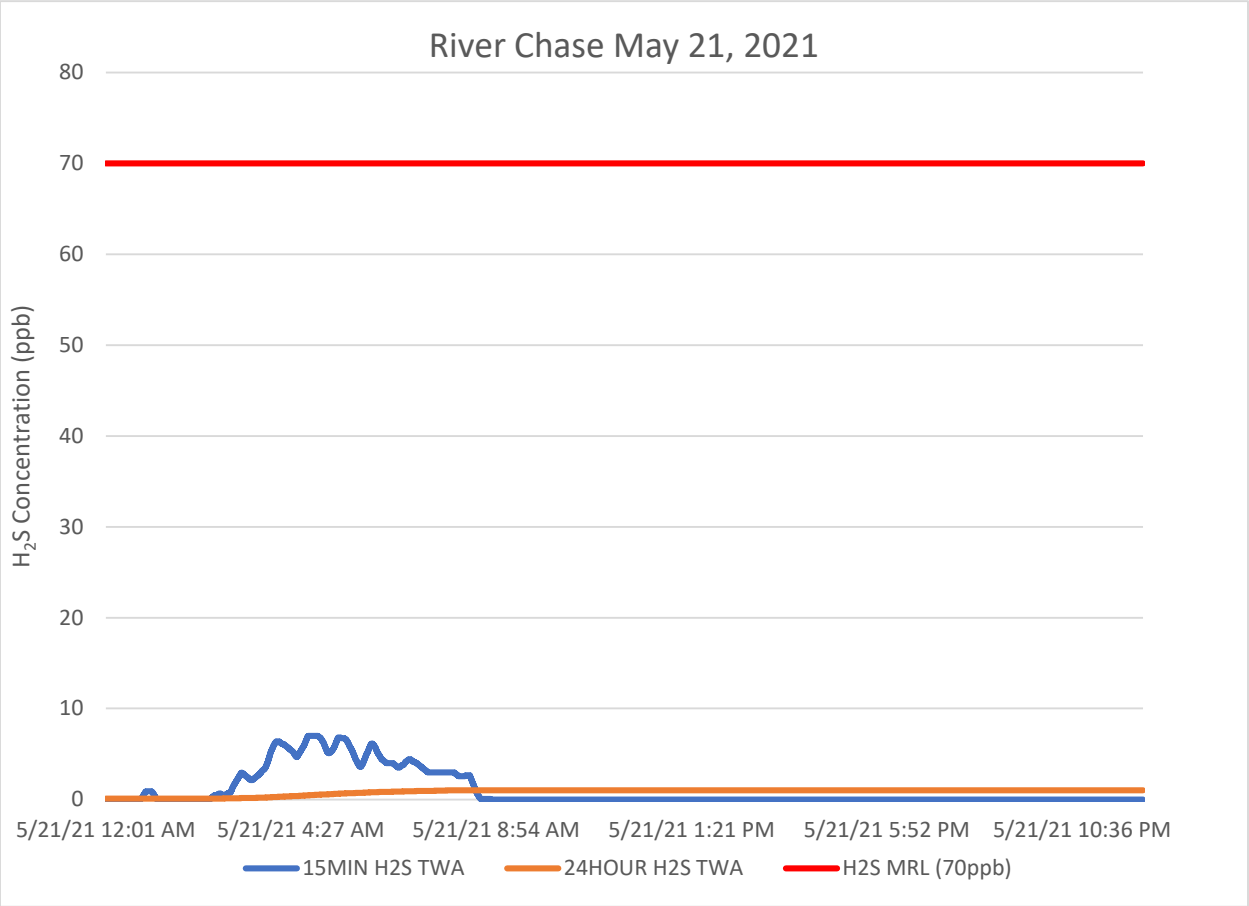
The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the north-northeast with a smaller percentage out of the east. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 parts per billion: Treetop



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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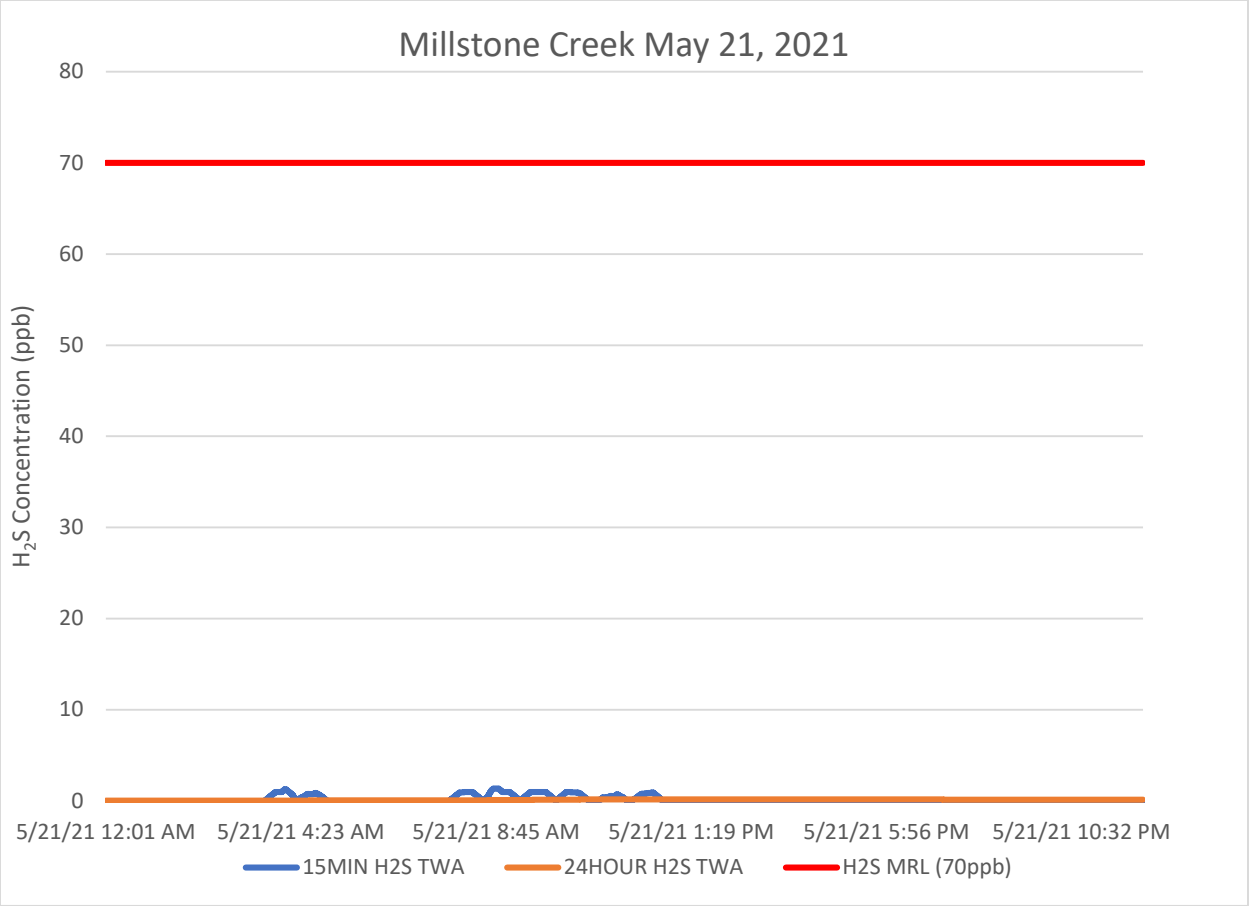

Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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ppb – Parts per billion
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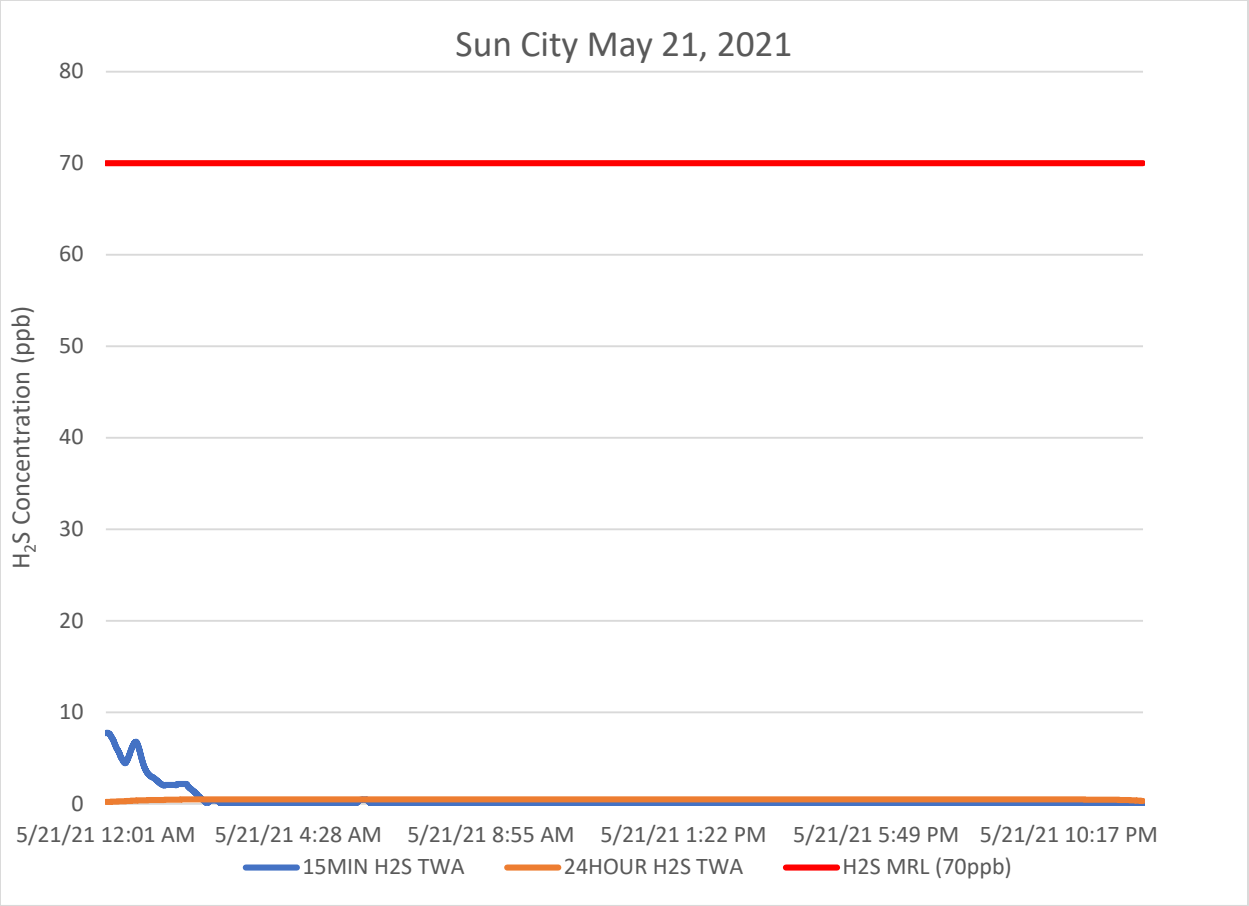

Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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ppb – Parts per billion
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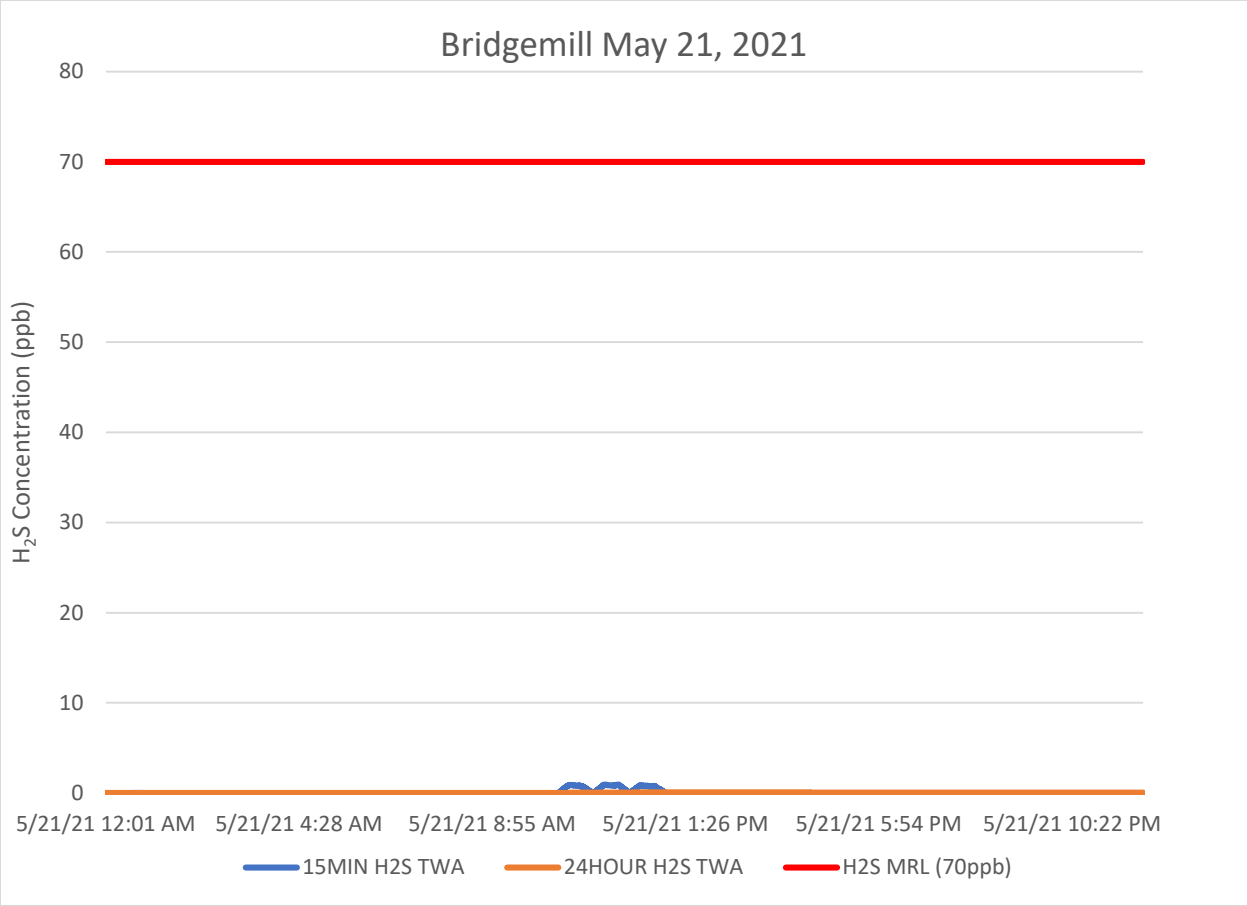

Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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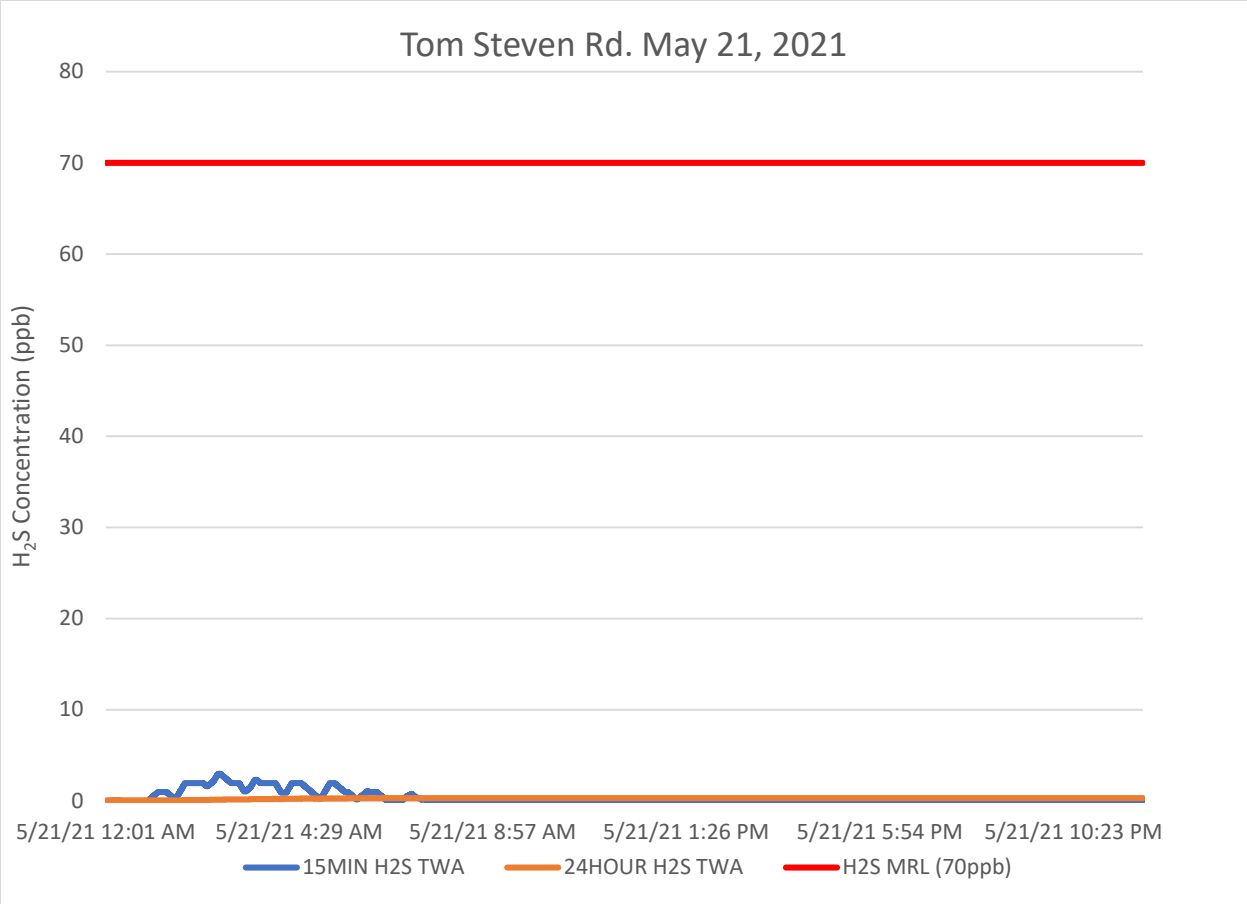
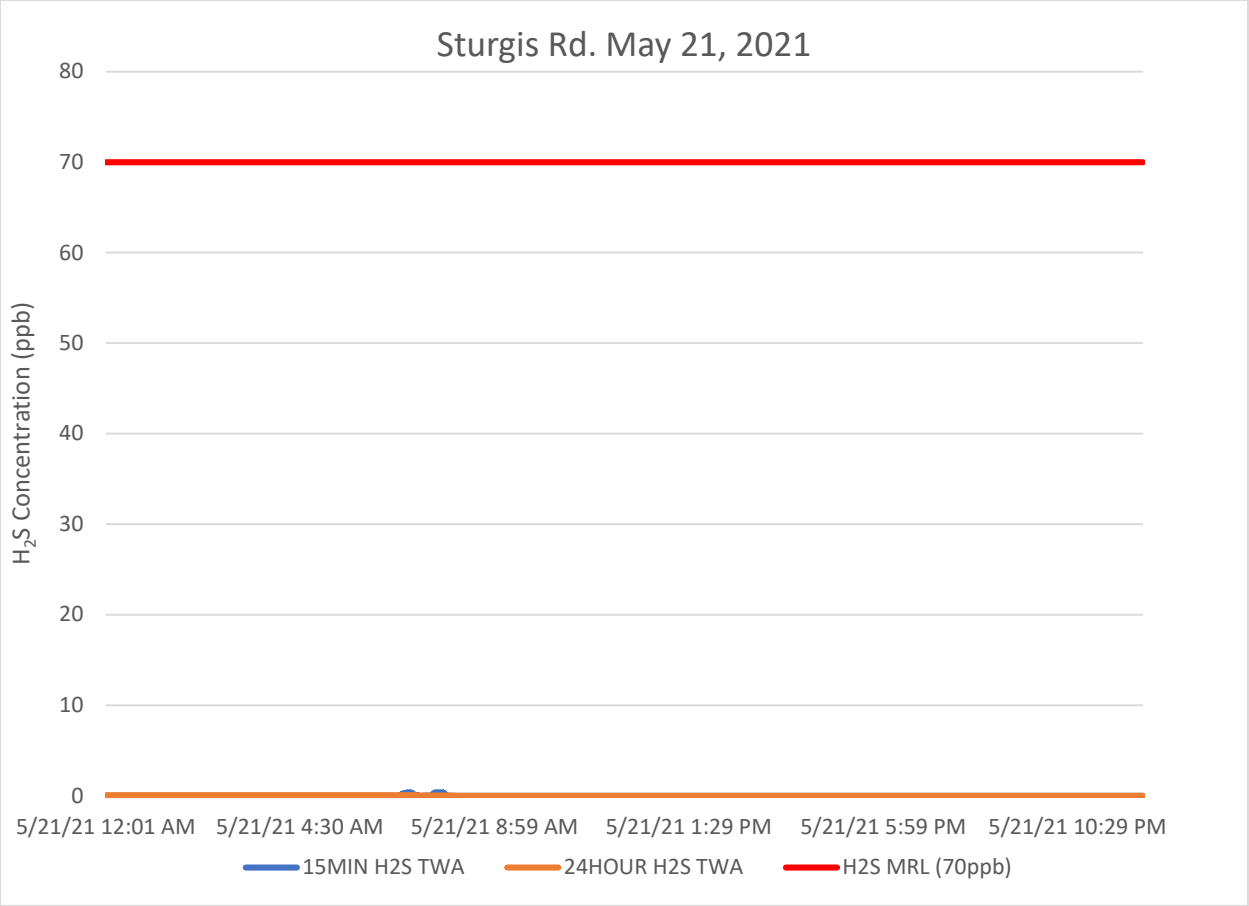
ppb – Parts per billion
TWA – Time weighted average



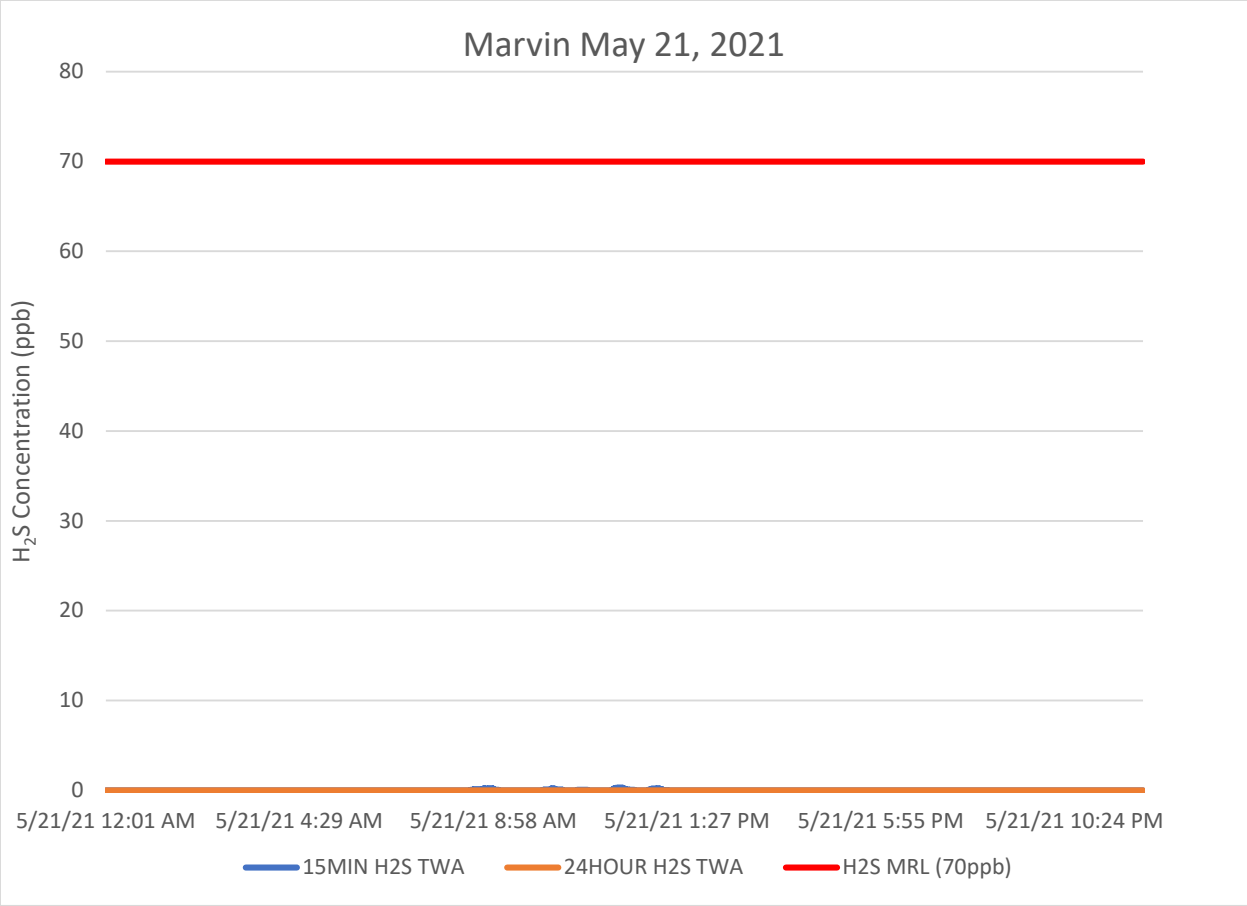
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



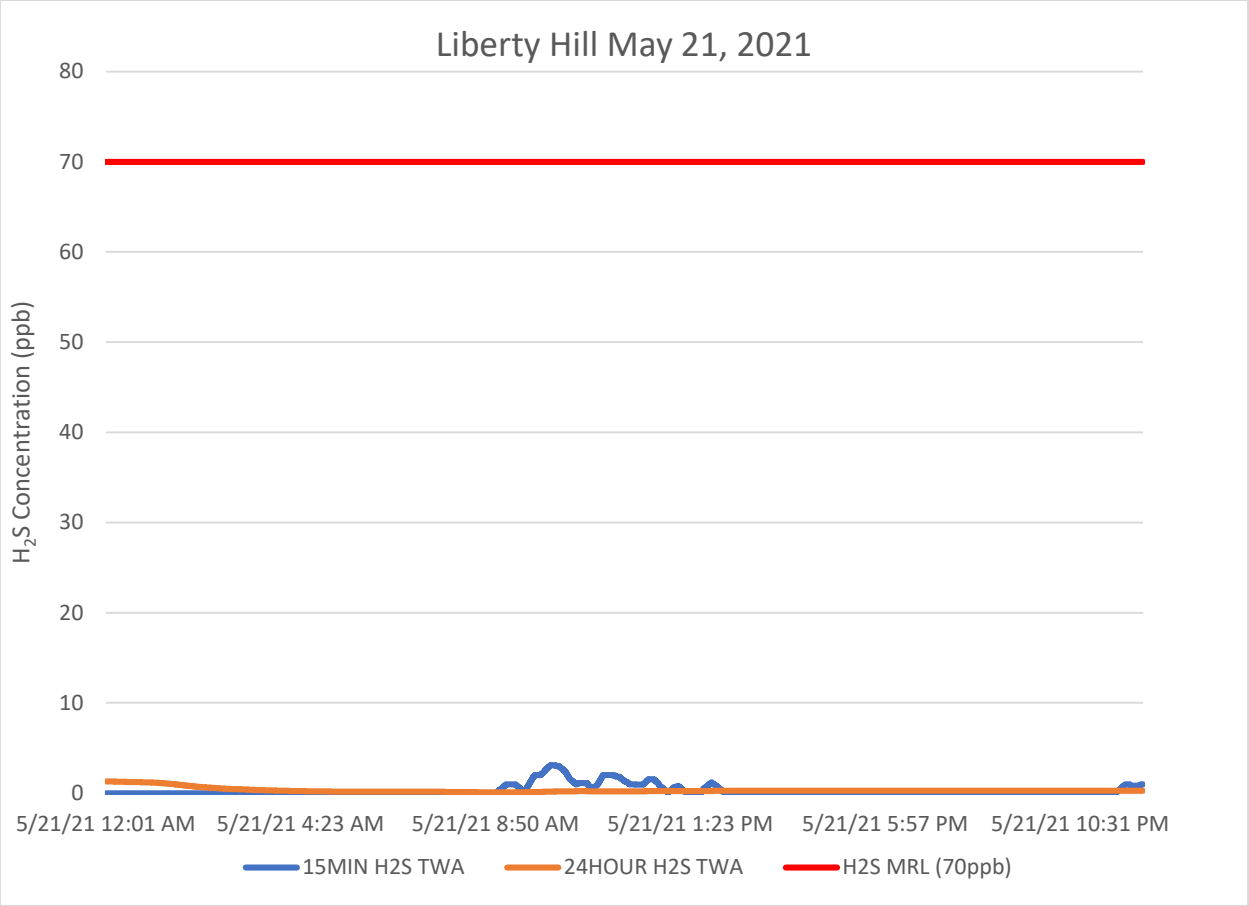
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/22/21 12:01 AM** ***To:*** ***5/22/21 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	53922	0	0 - 0 ppb	0 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	49518	28618	0 - 13 ppb	2.21 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	52082	5954	0 - 39 ppb	1.78 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	53882	9900	0 - 8 ppb	0.42 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	53800	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	52567	1692	0 - 1 ppb	0.03 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	53366	182	0 - 1 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	53522	0	0 - 0 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	54030	0	0 - 0 ppb	0 ppb	70 ppb

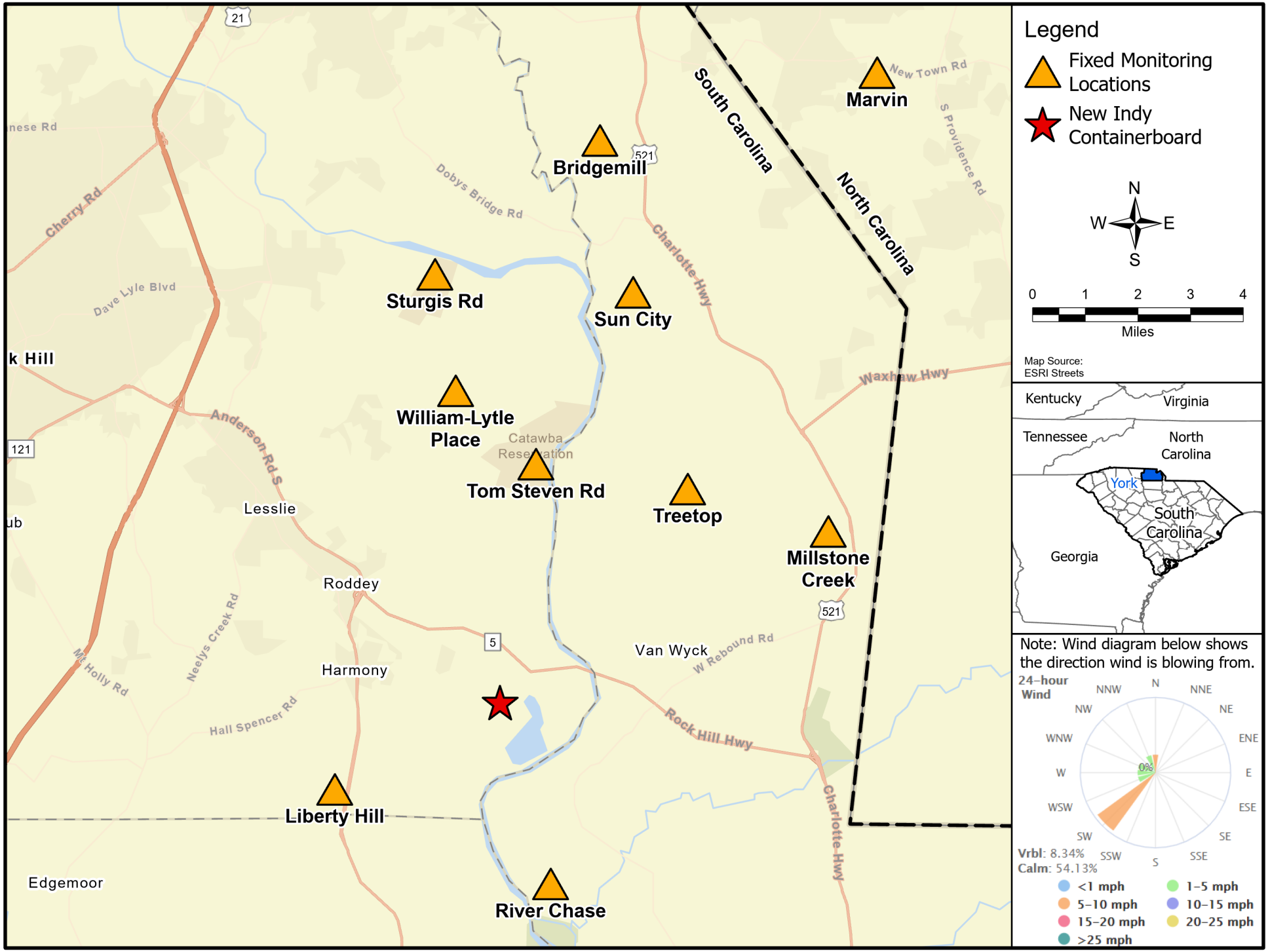
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	52382	19288	0 - 8 ppb	0.99 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)
H_2S	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



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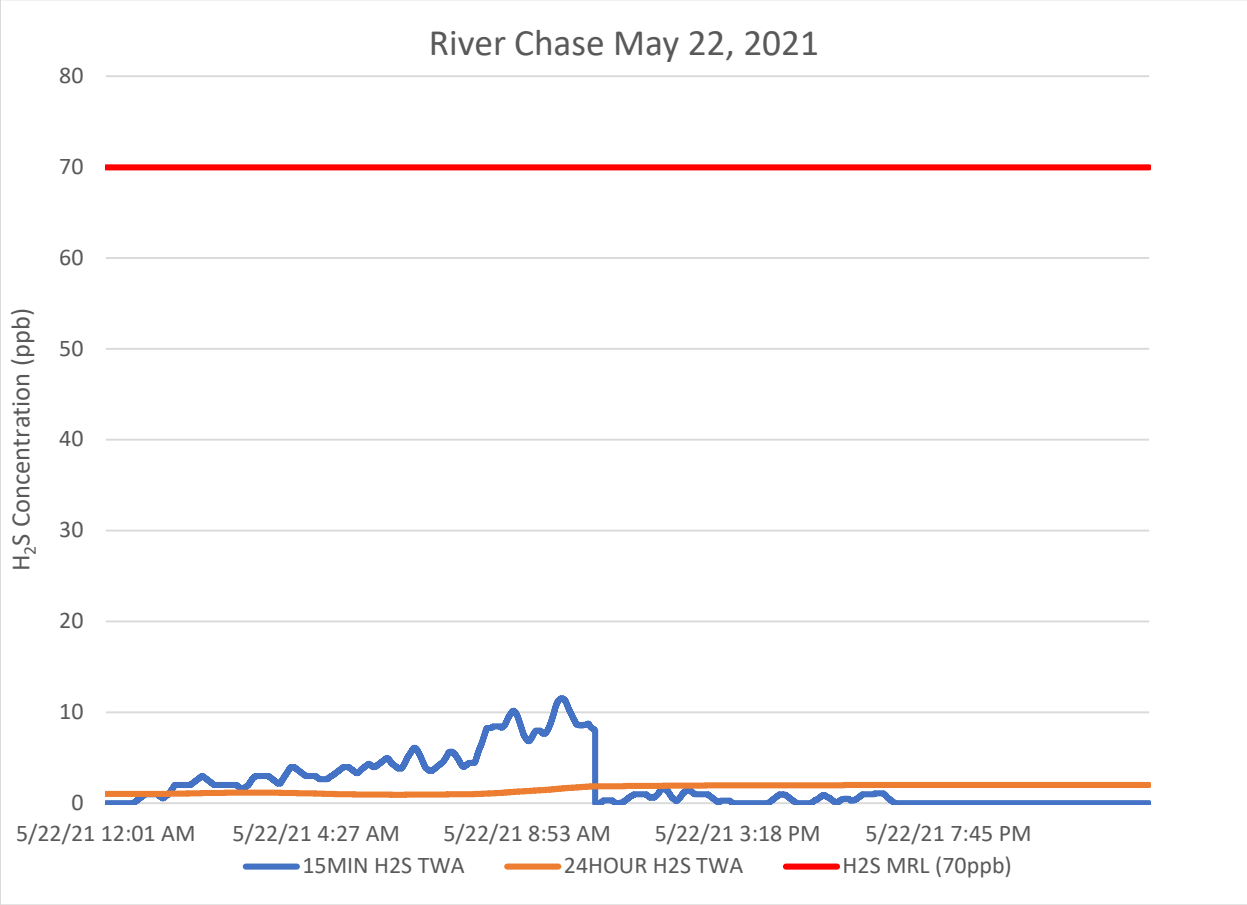
H_2S in South and North Carolina

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.

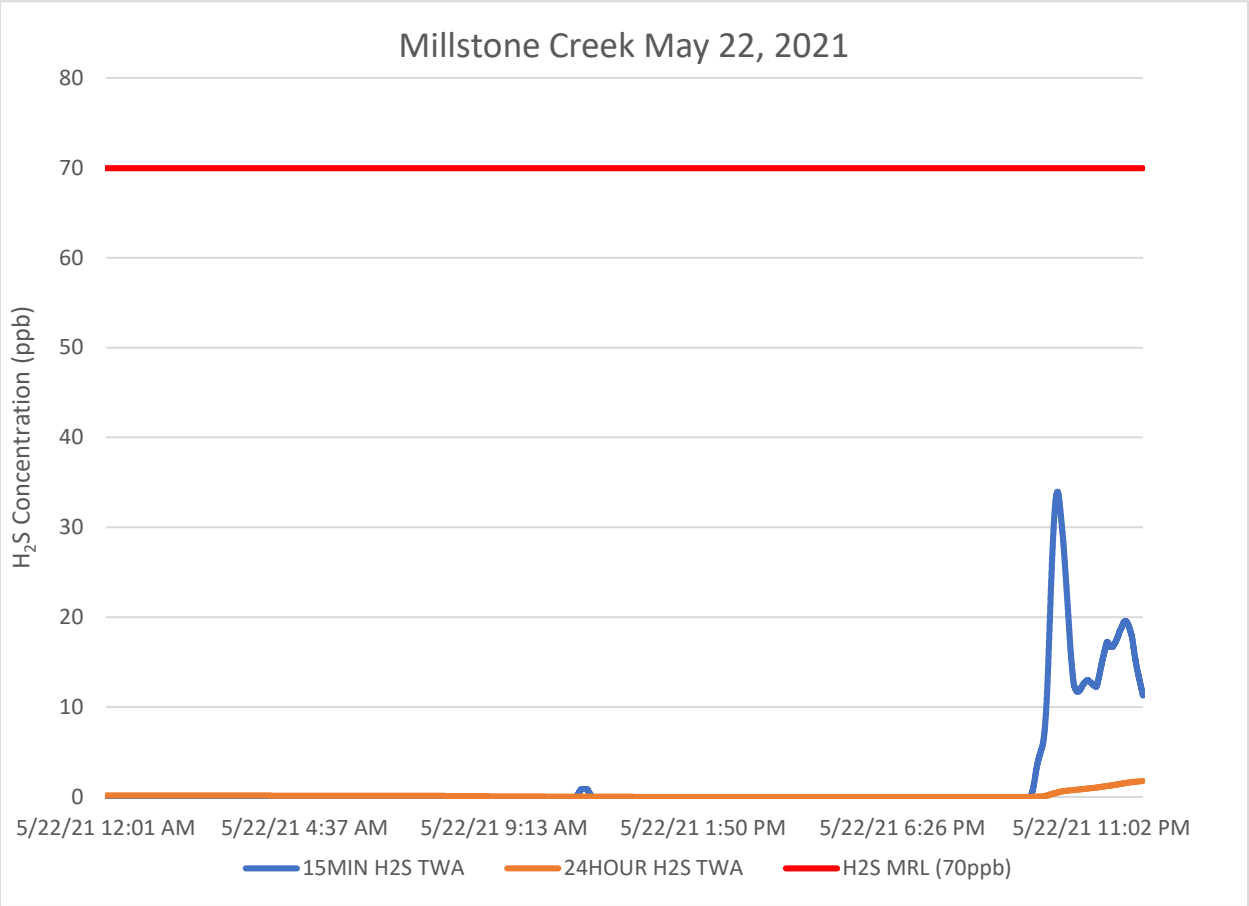
The prevailing wind directions for this reporting period were out of the southwest with a smaller percentage out of the north. See wind rose diagram on location figure for full wind data during this reporting period.

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



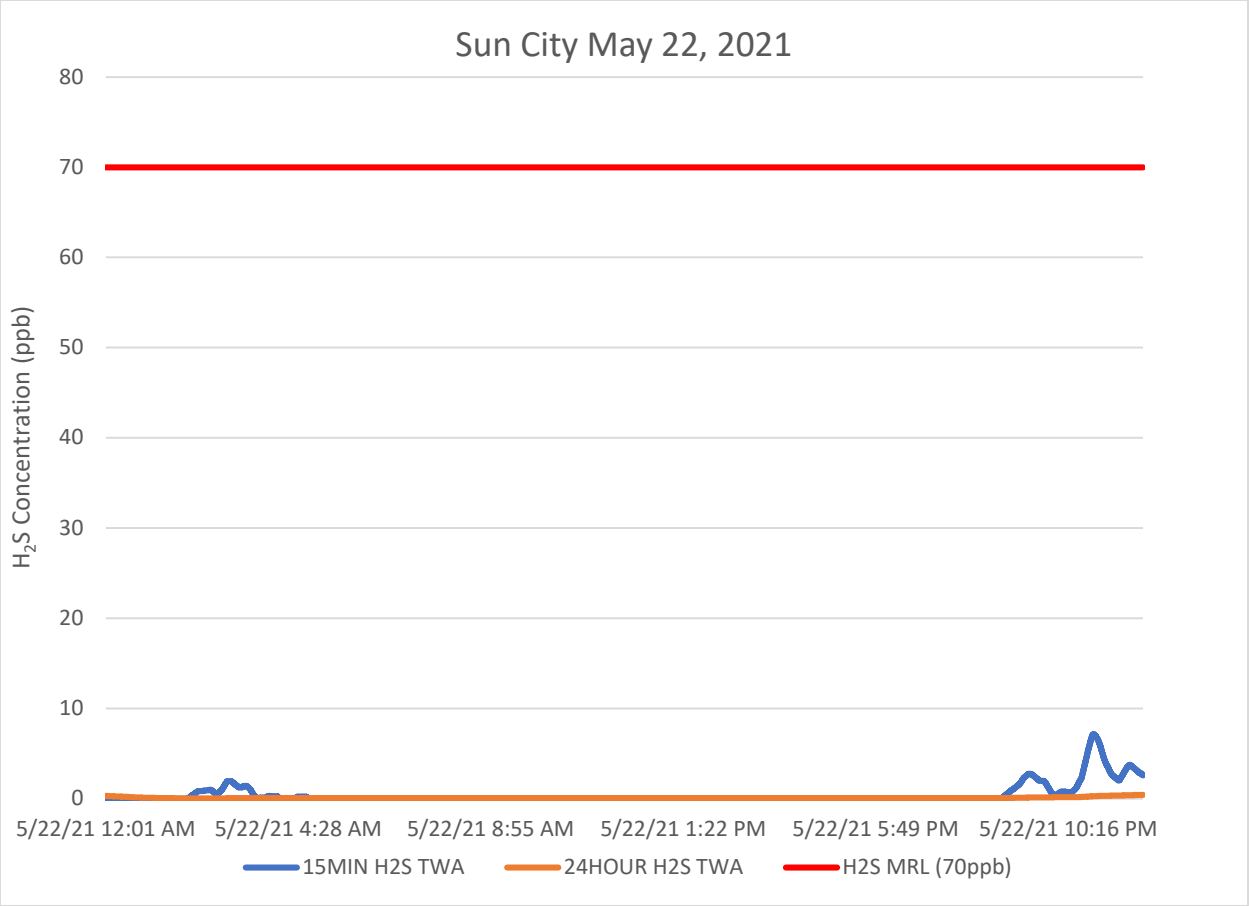
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



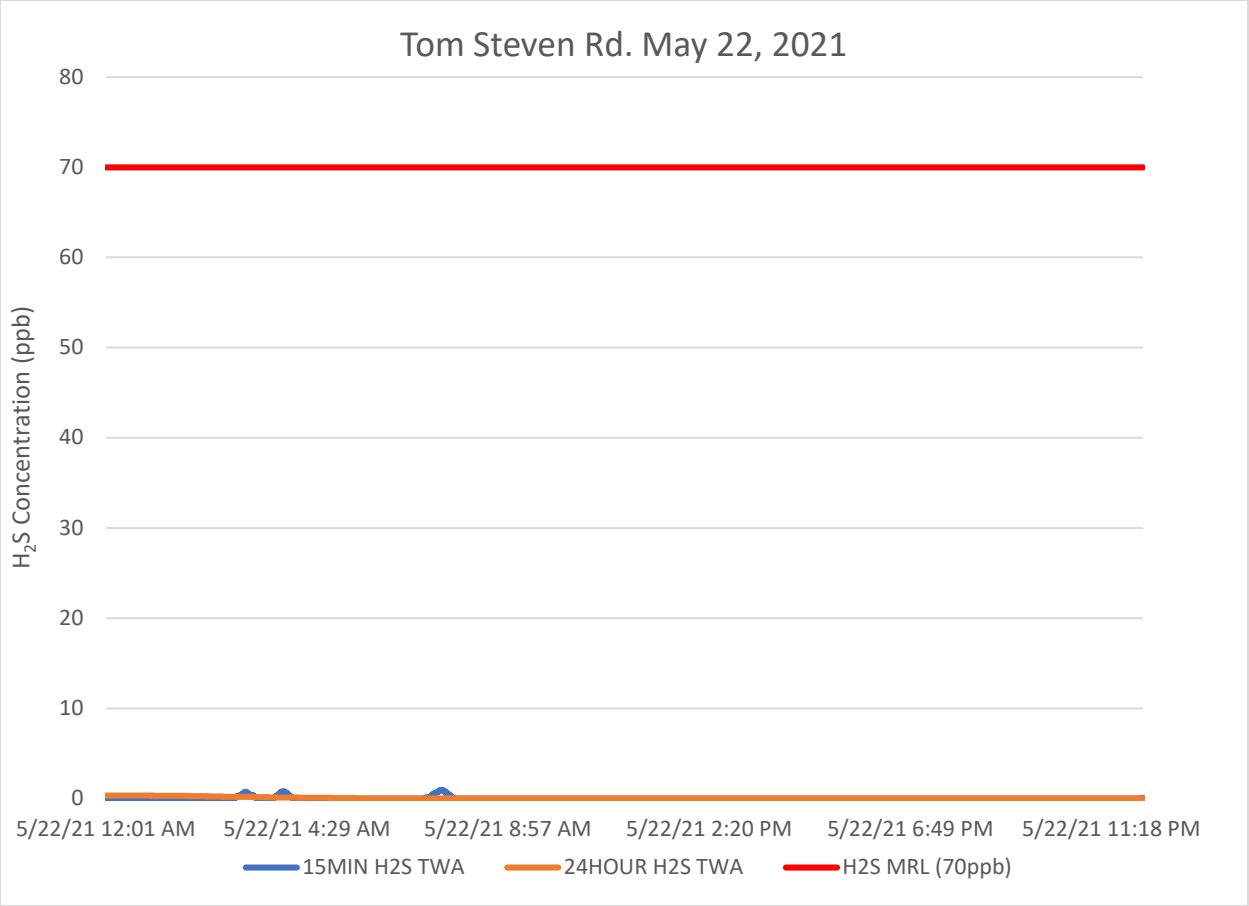
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



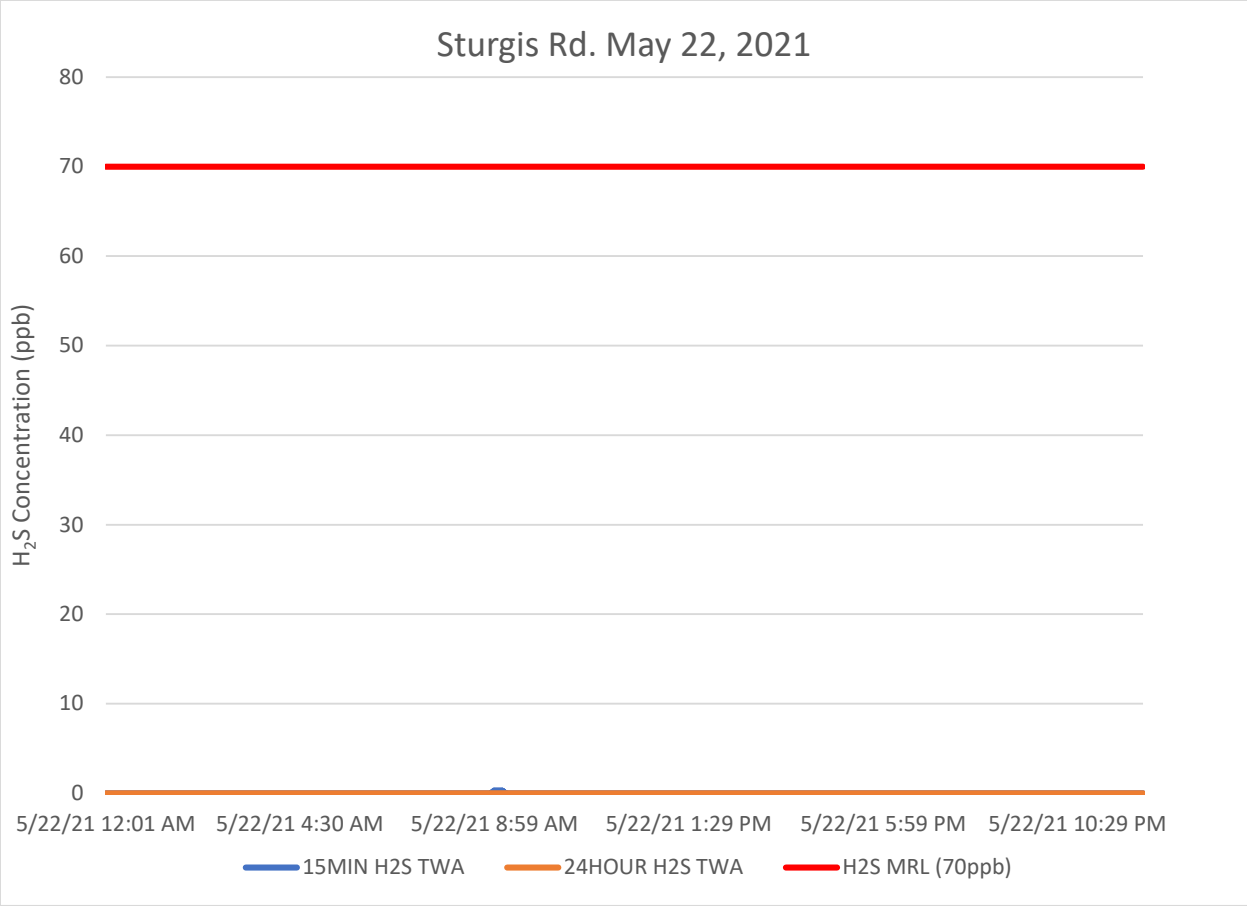
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



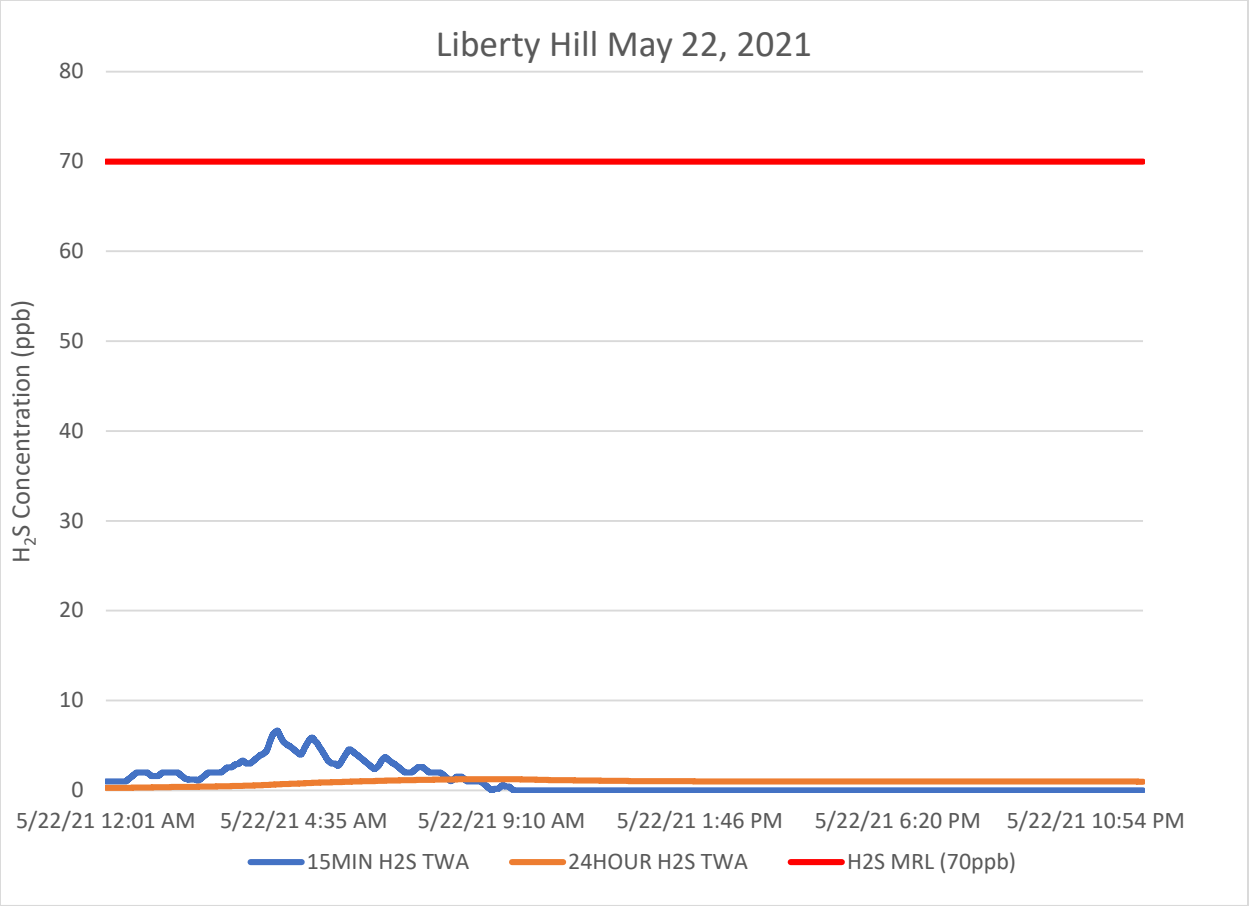
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/23/21 12:01 AM** ***To:*** ***5/23/21 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	53874	0	0 - 0 ppb	0 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	53826	8822	0 - 13 ppb	0.79 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	52064	21020	0 - 50 ppb	6.61 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	53880	14184	0 - 6 ppb	0.55 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	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	53530	17800	0 - 16 ppb	1.84 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	53282	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	53542	0	0 - 0 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	53980	4790	0 - 1 ppb	0.09 ppb	70 ppb

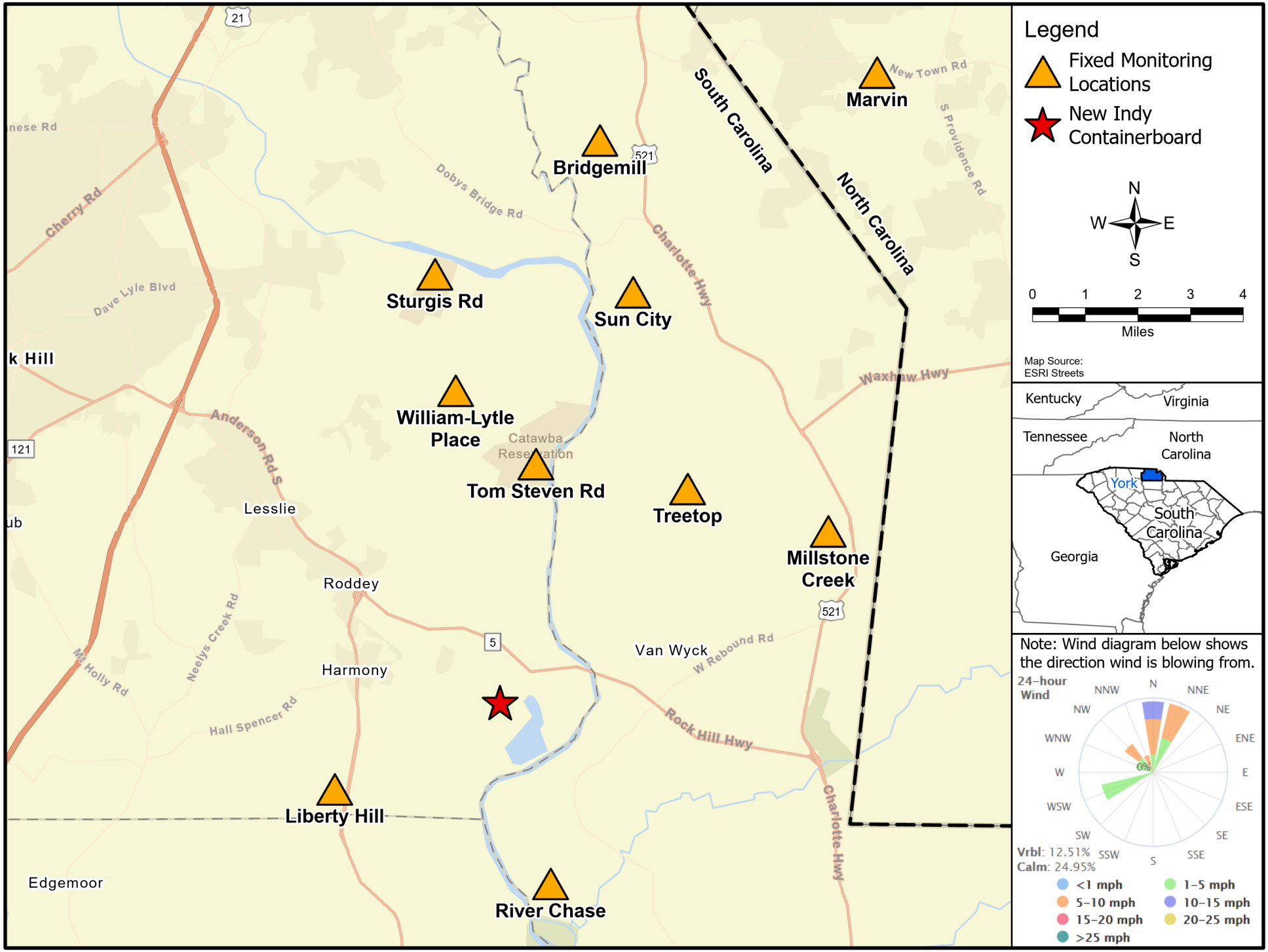
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	47926	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)
H_2S	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



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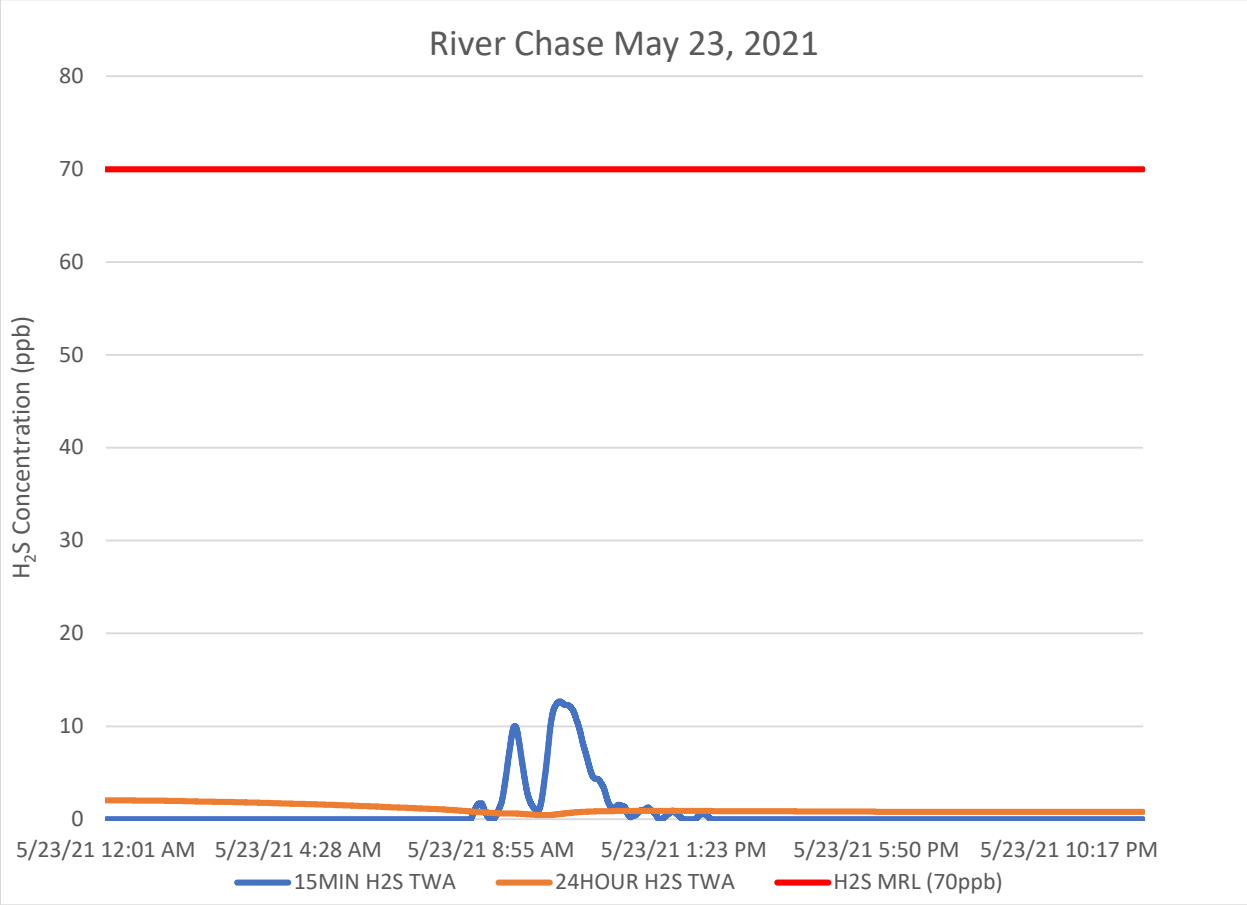
H_2S in South and North Carolina

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:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
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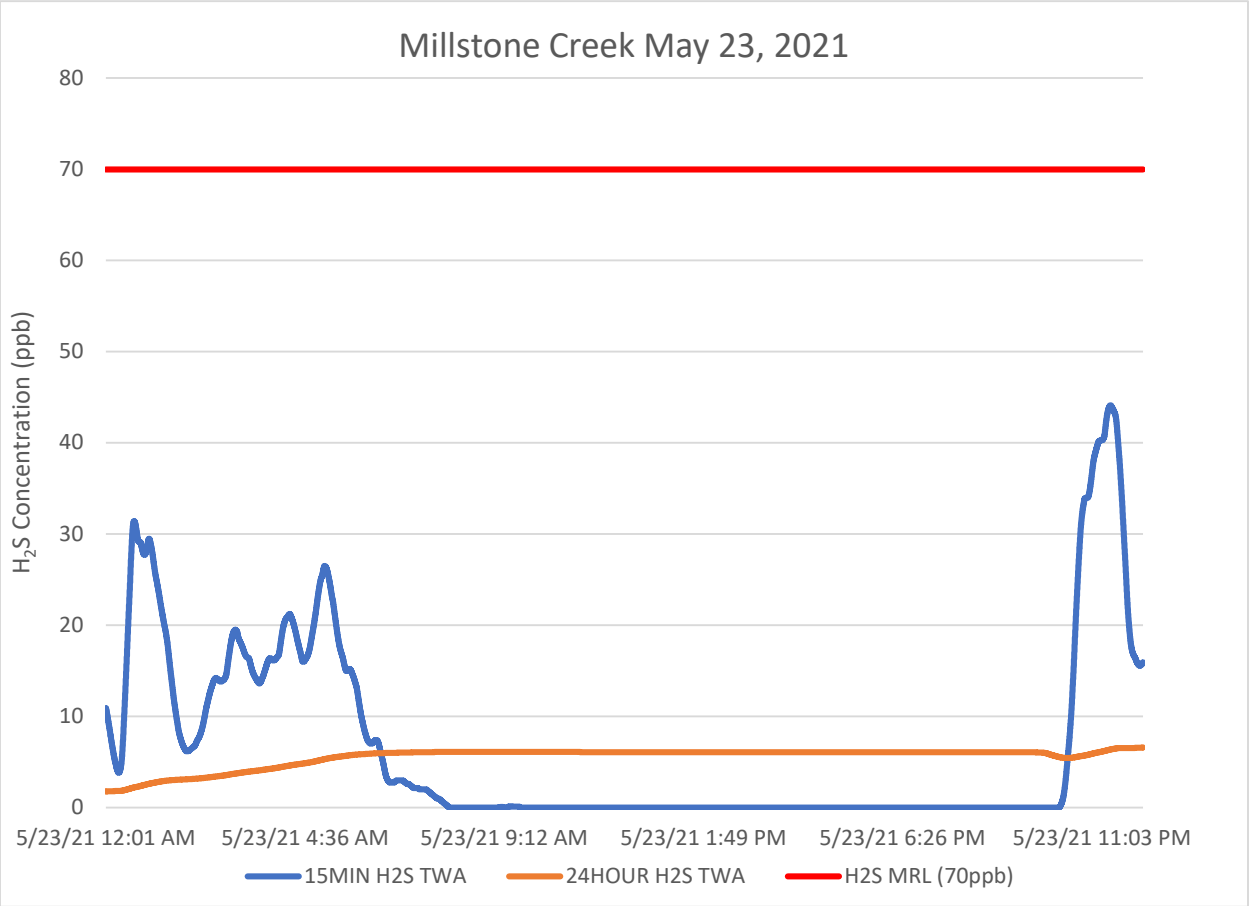

Notes:

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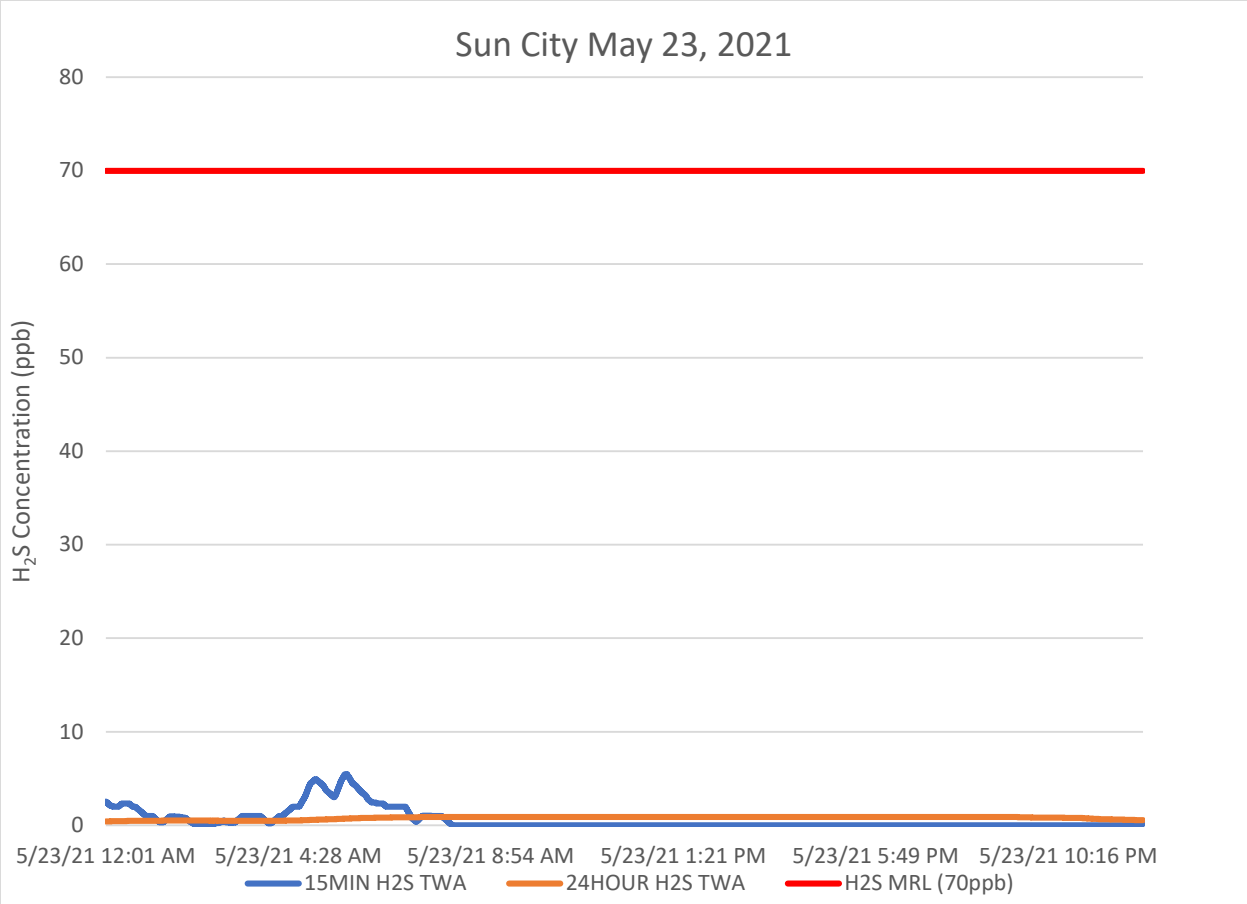

Notes:

H_2S – Hydrogen Sulfide
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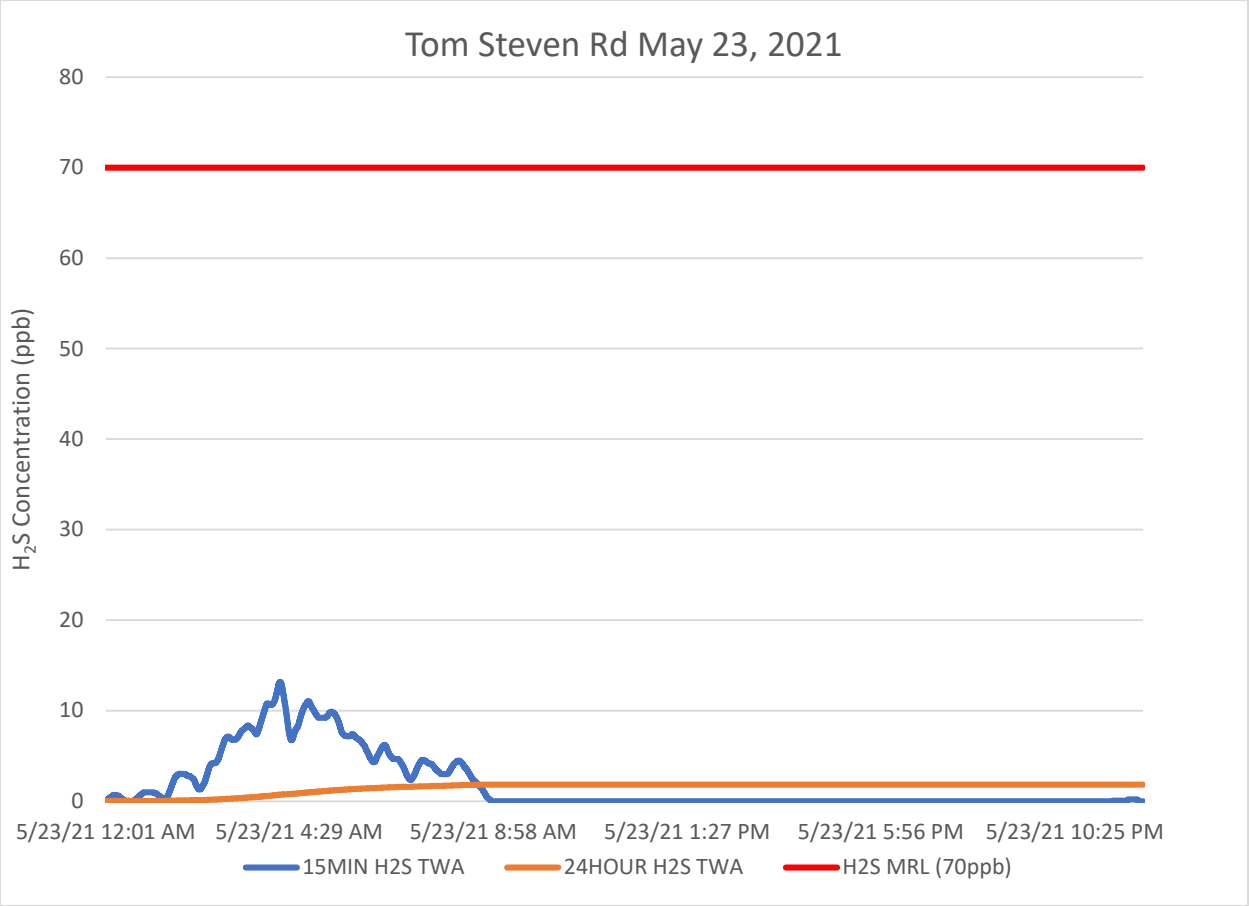

Notes:

H_2S – Hydrogen Sulfide
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ppb – Parts per billion
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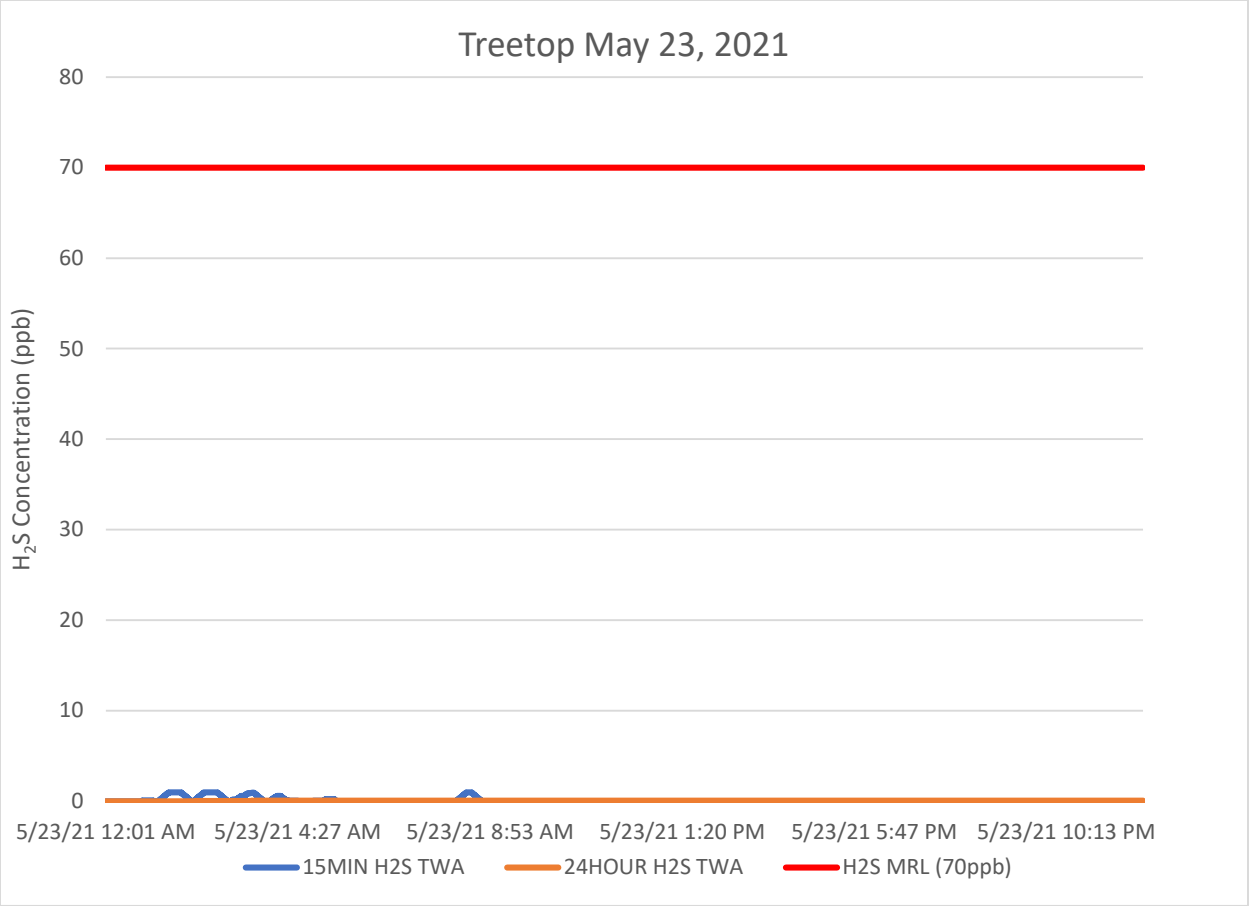


Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/24/21 12:01 AM** ***To:*** ***5/24/21 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	48896	0	0 - 0 ppb	0 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	53796	18548	0 - 25 ppb	3.15 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	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	53792	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	50702	4264	0 - 1 ppb	0.08 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	53130	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	53496	0	0 - 0 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	54034	1370	0 - 1 ppb	0.03 ppb	70 ppb

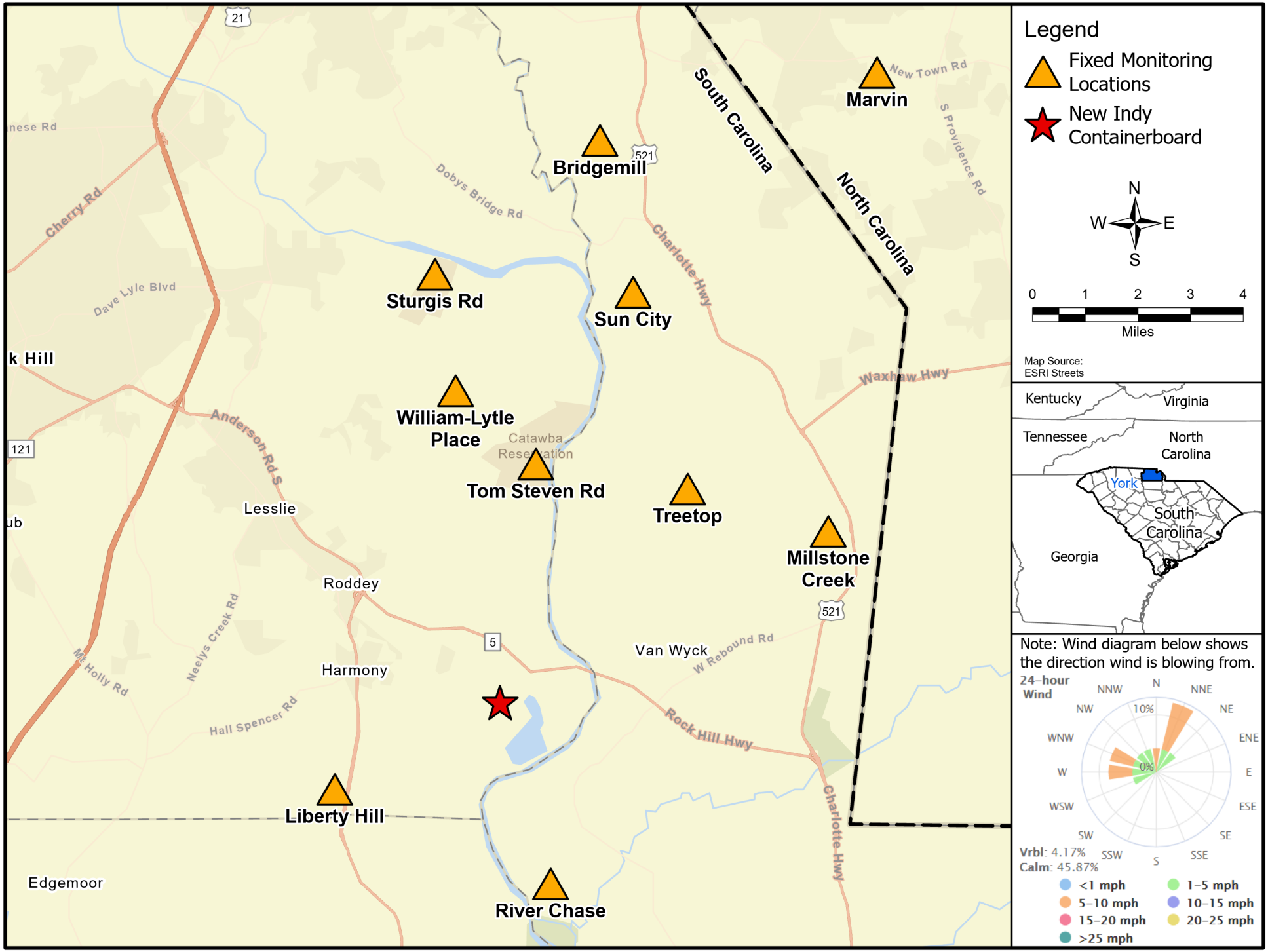
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	52454	2422	0 - 2 ppb	0.07 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)
H_2S	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



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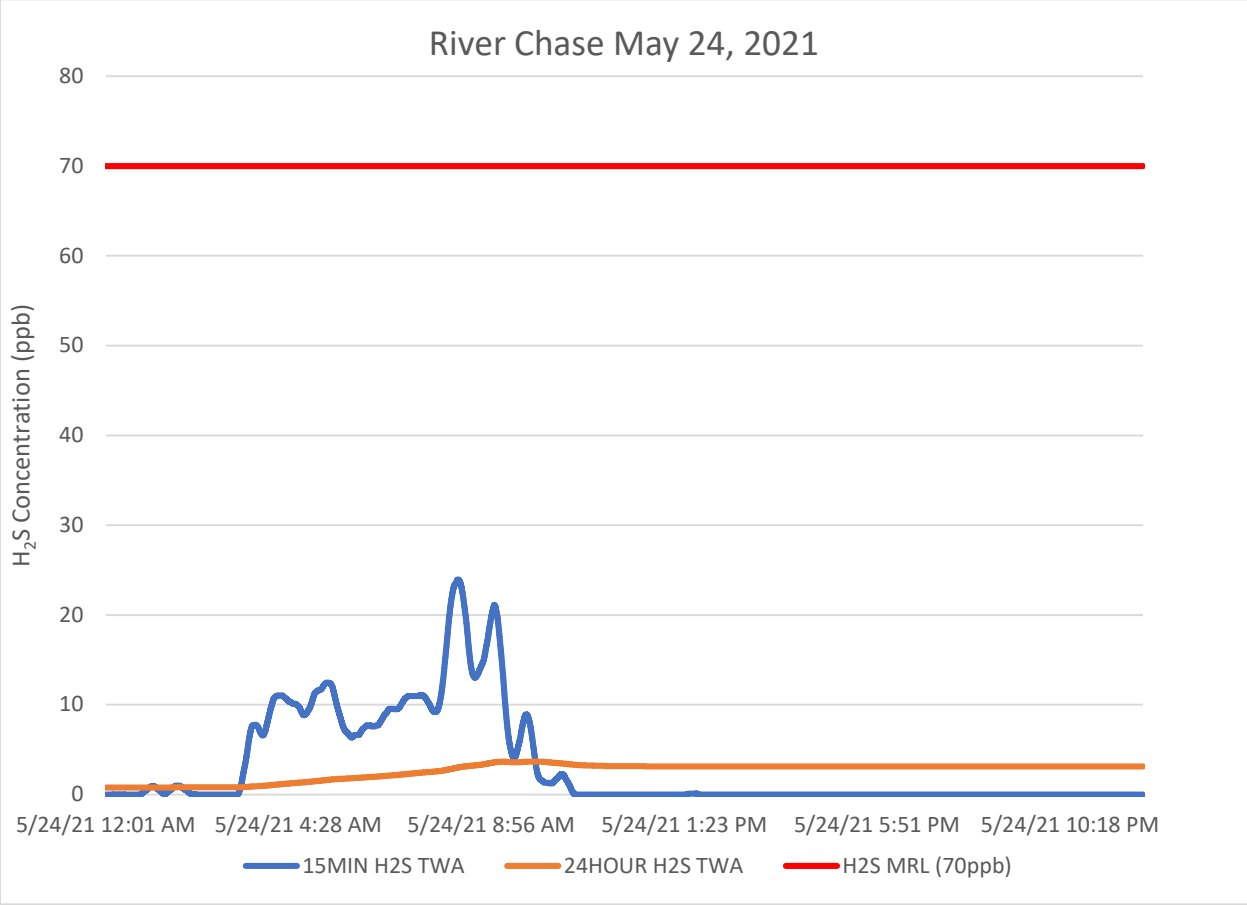
H_2S in South and North Carolina

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.

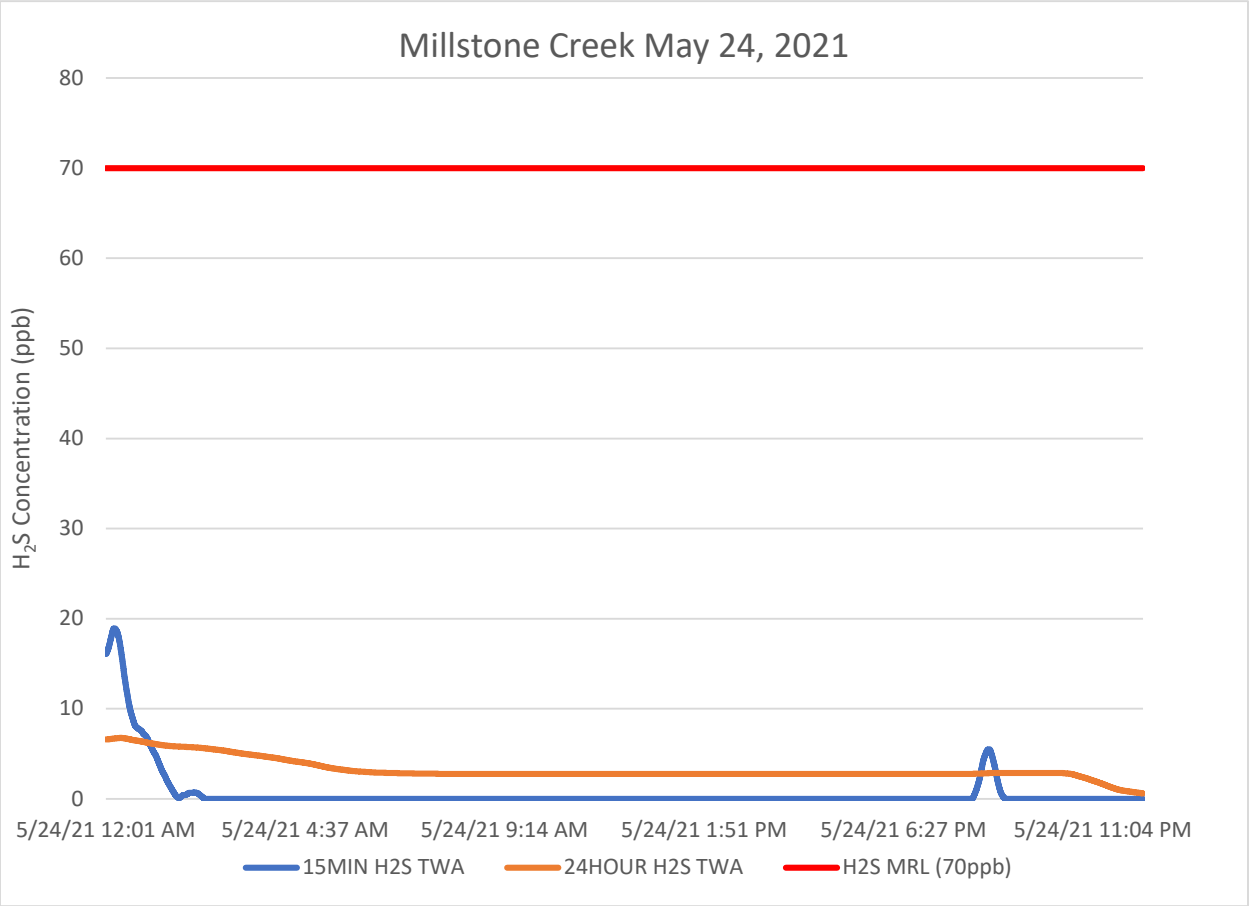
The prevailing wind directions for this reporting period were out of the north-northeast with a smaller percentage out of the west and west-northwest. See wind rose diagram on location figure for full wind data during this reporting period.

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



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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ppb – Parts per billion
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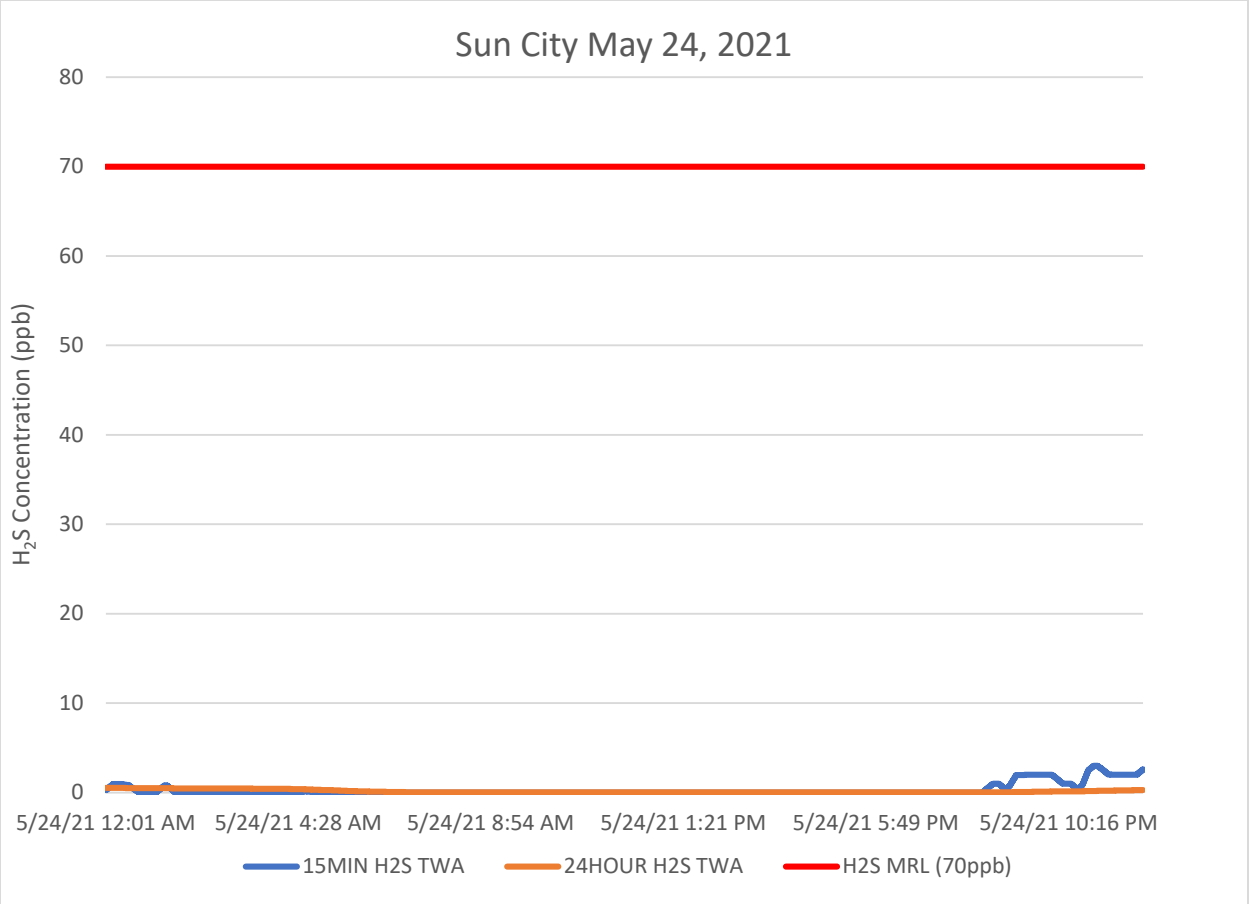
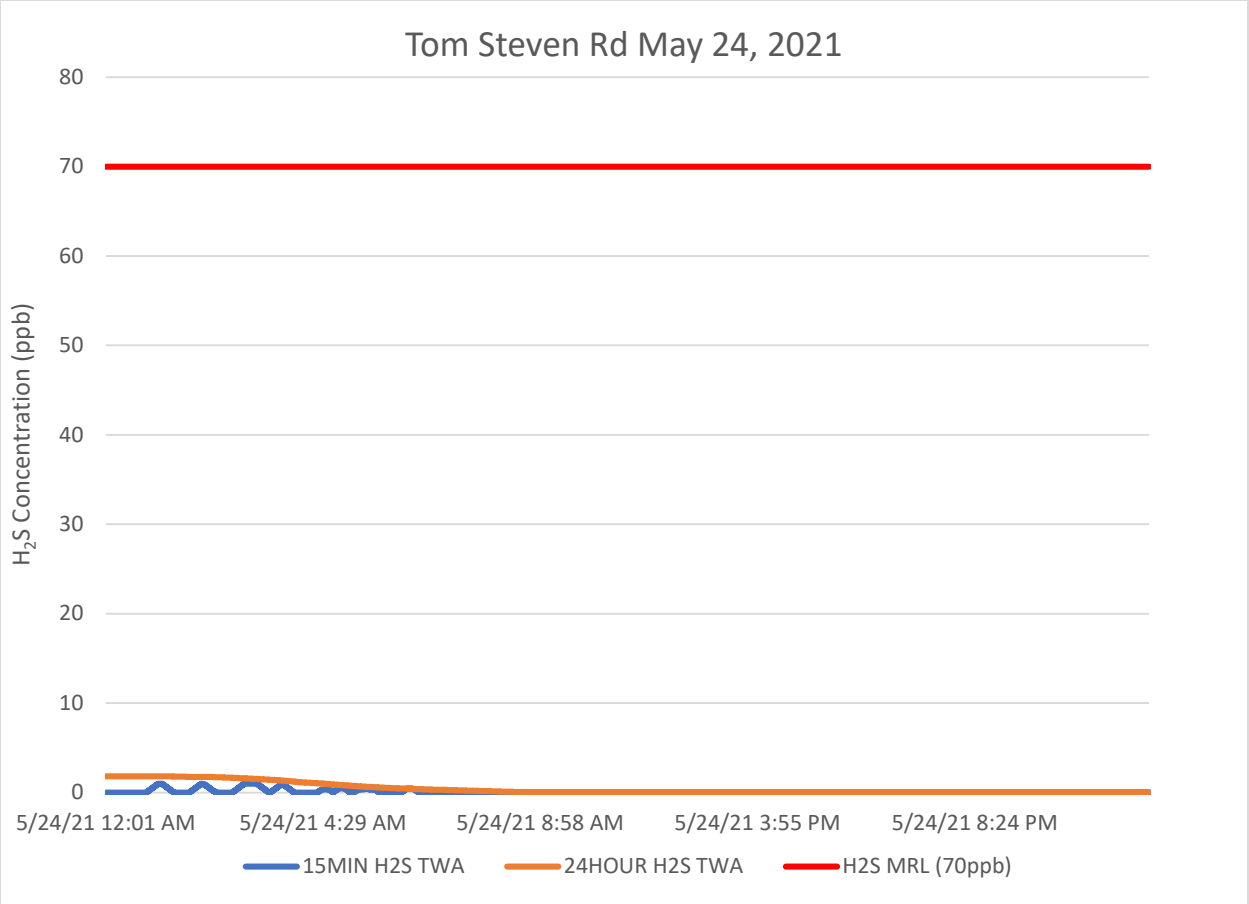


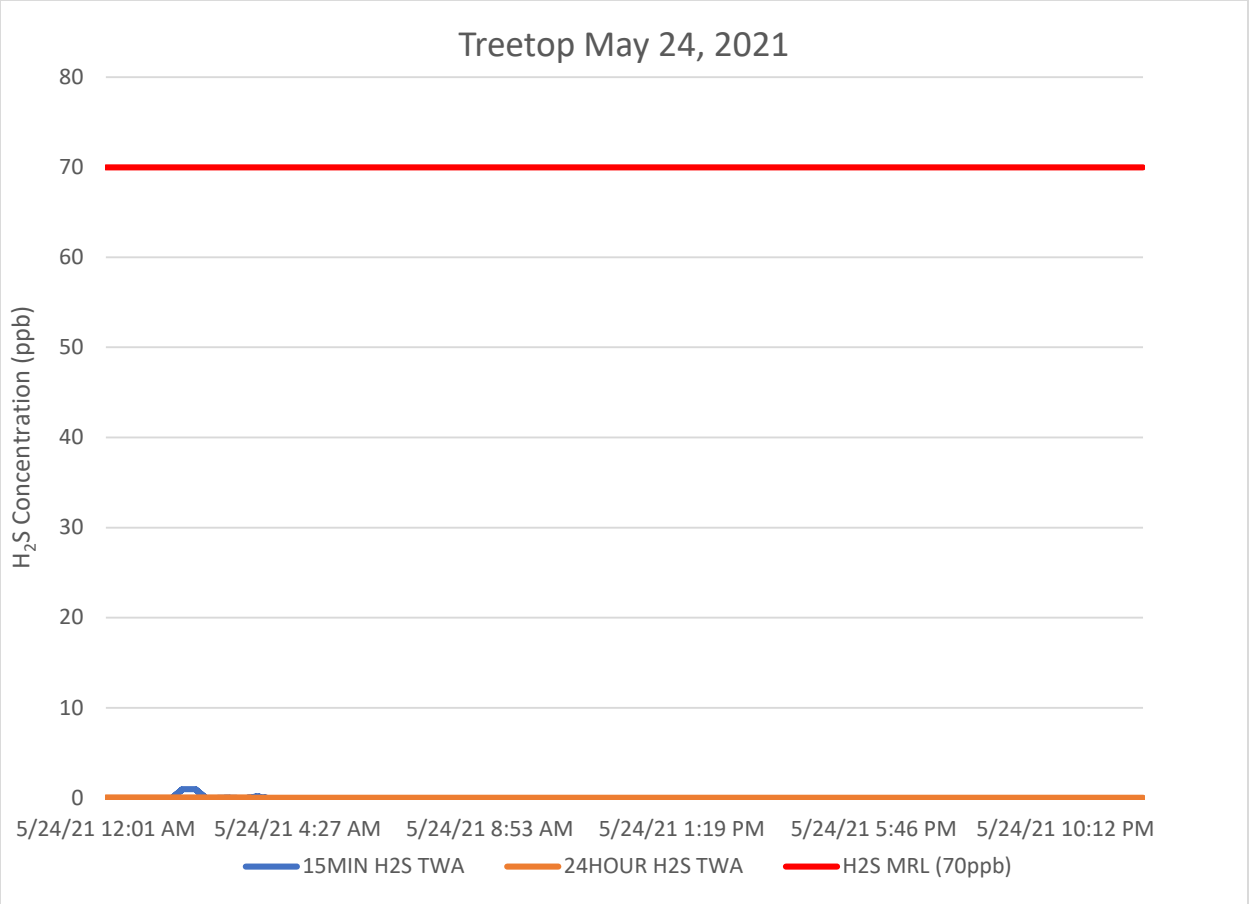
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



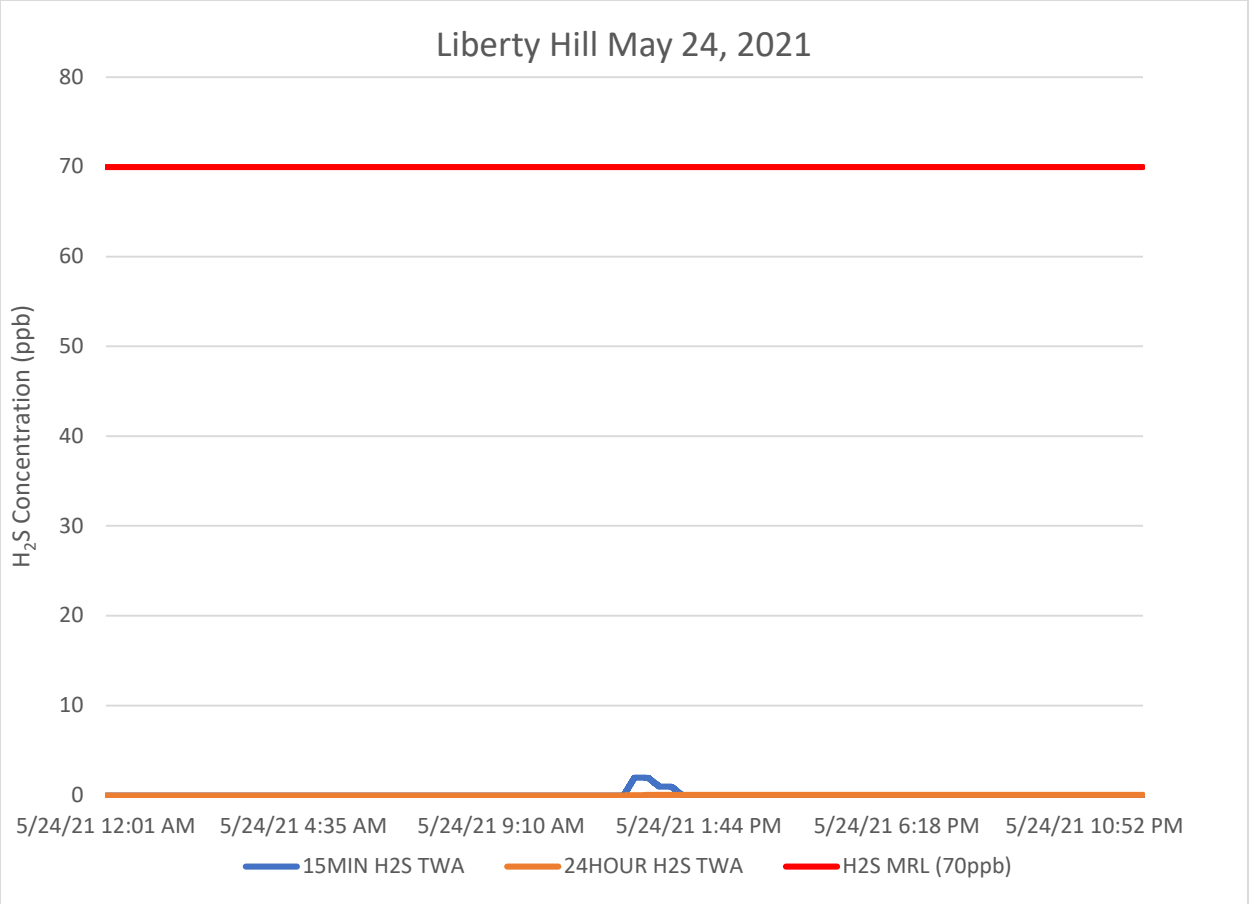
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/25/21 12:01 AM** ***To:*** **5/25/21 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	54220	0	0 - 0 ppb	0 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	53868	8524	0 - 2 ppb	0.2 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	51966	2236	0 - 3 ppb	0.09 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	53754	1240	0 - 3 ppb	0.04 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	53784	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	53516	1342	0 - 2 ppb	0.03 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	53014	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	53578	0	0 - 0 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	54248	218	0 - 1 ppb	0 ppb	70 ppb

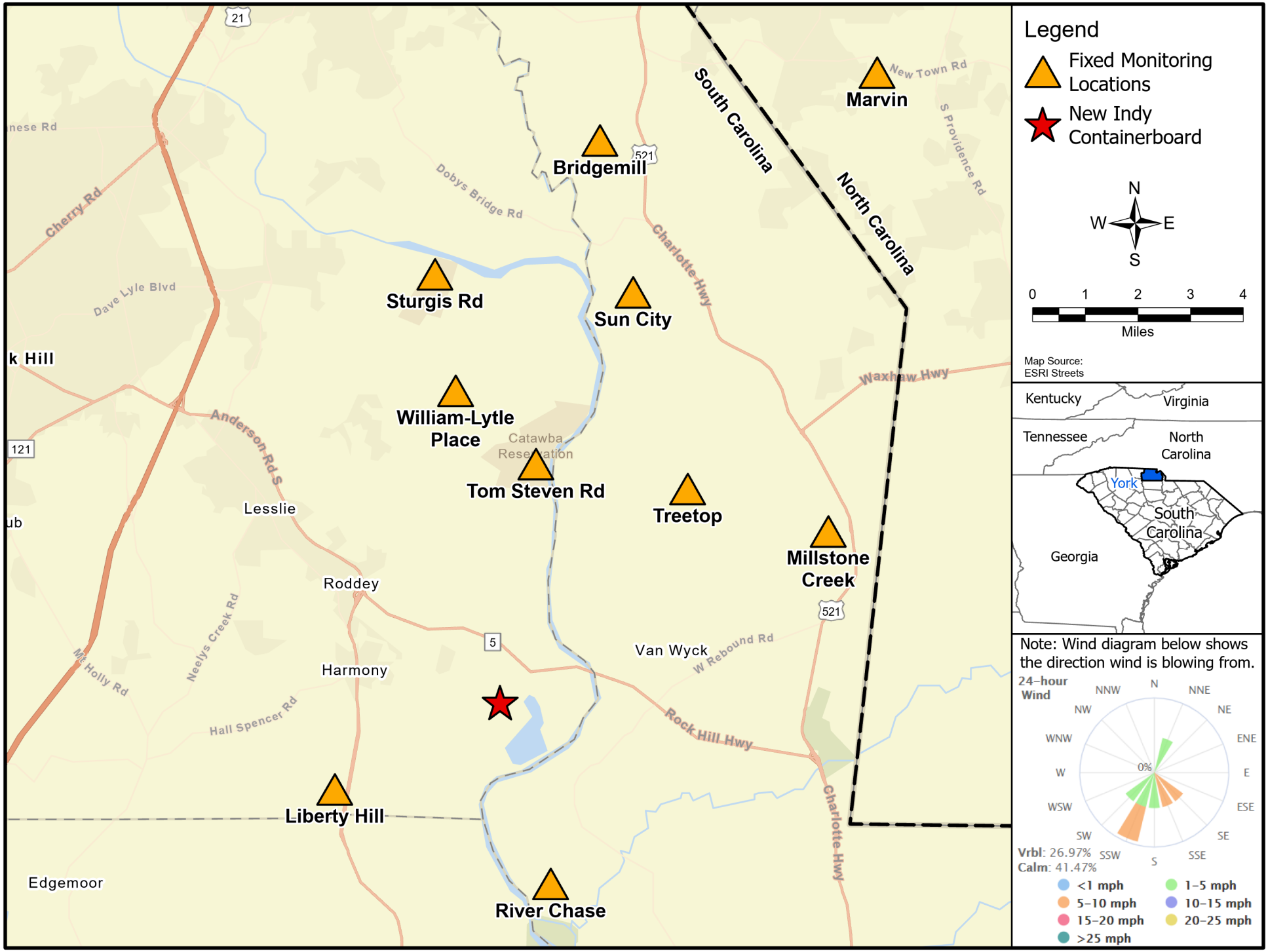
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	51626	11786	0 - 12 ppb	0.71 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)
H_2S	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 Average



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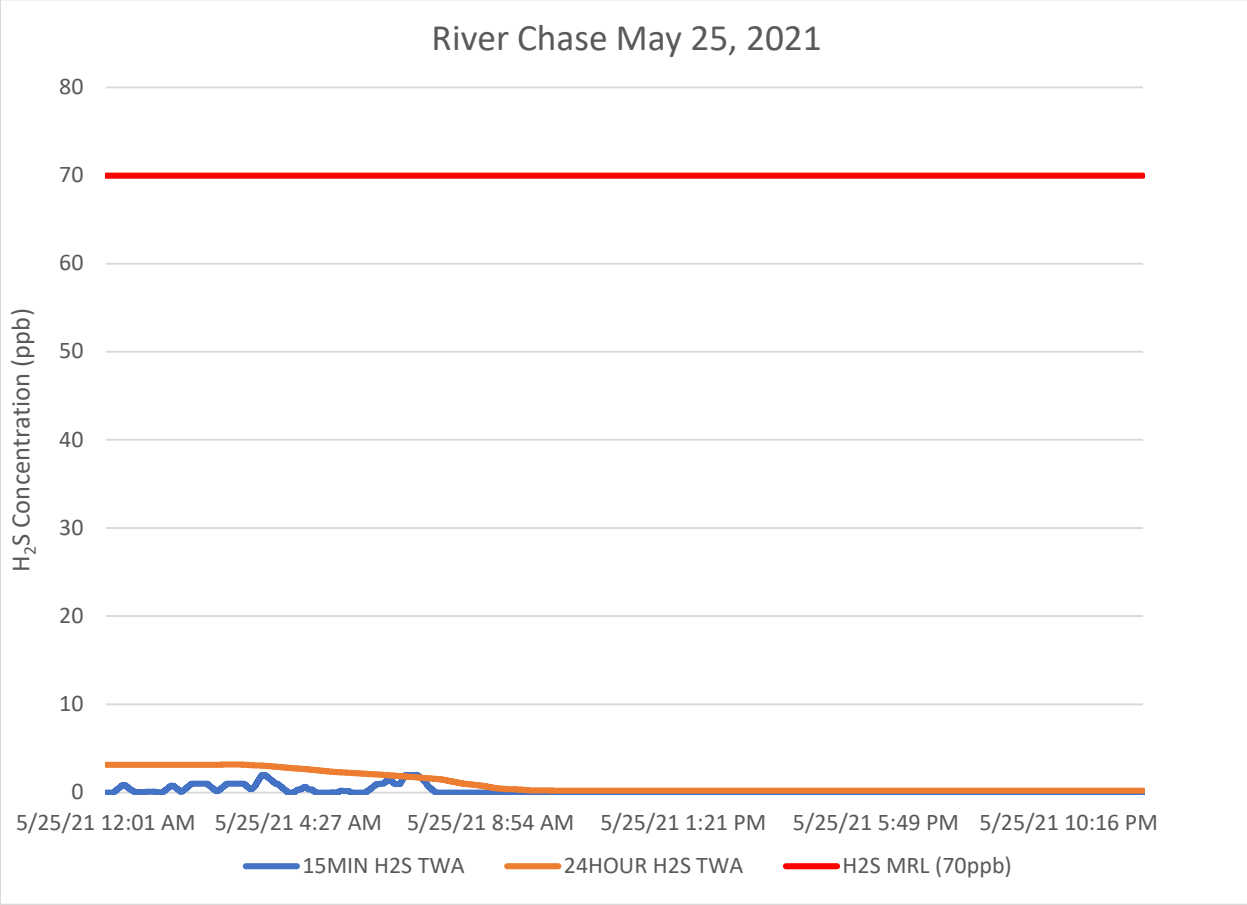
H_2S in South and North Carolina

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.

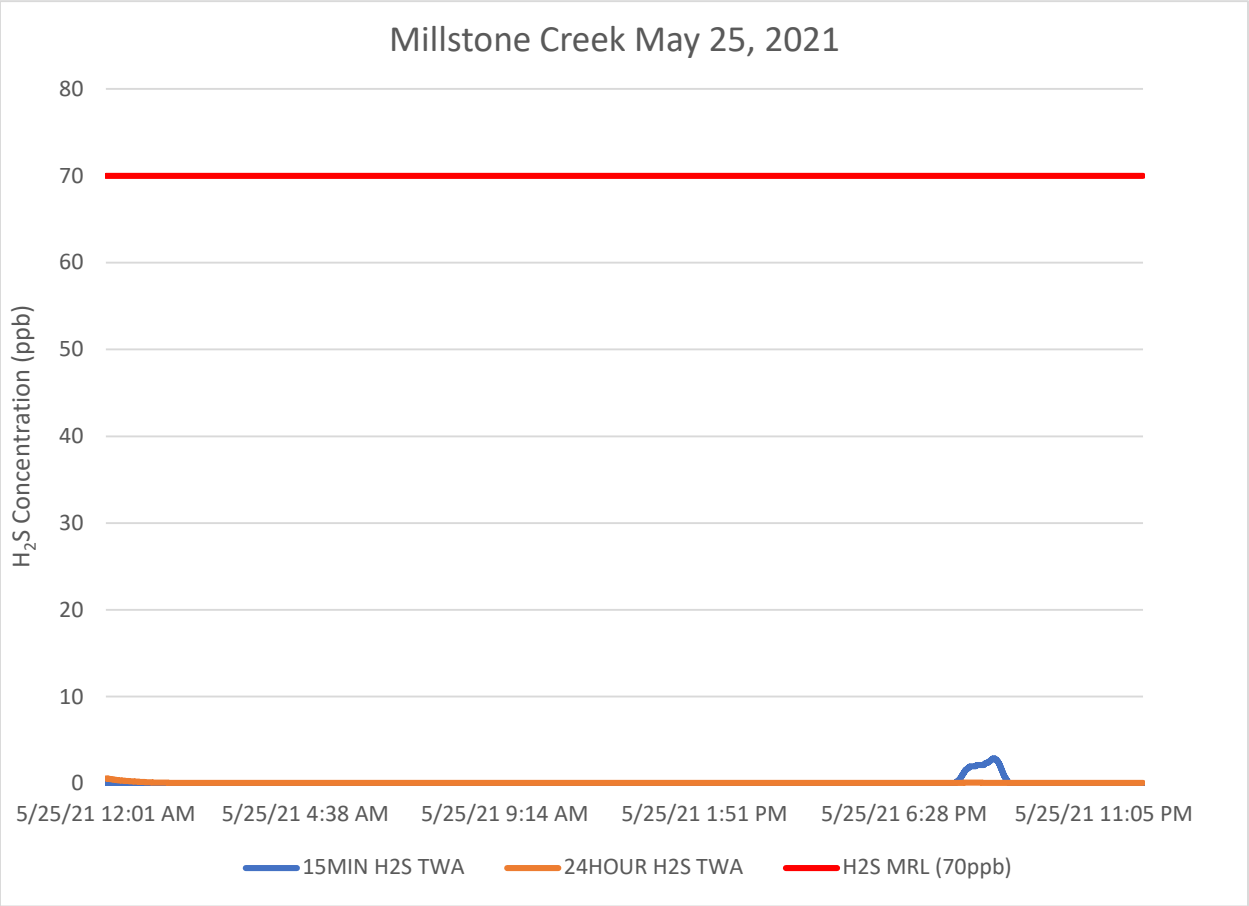
The prevailing wind directions for this reporting period were predominately calm with some sustained winds out of the south-southwest with a smaller percentage out of the south-southeast and southeast. See wind rose diagram on location figure for full wind data during this reporting period.

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



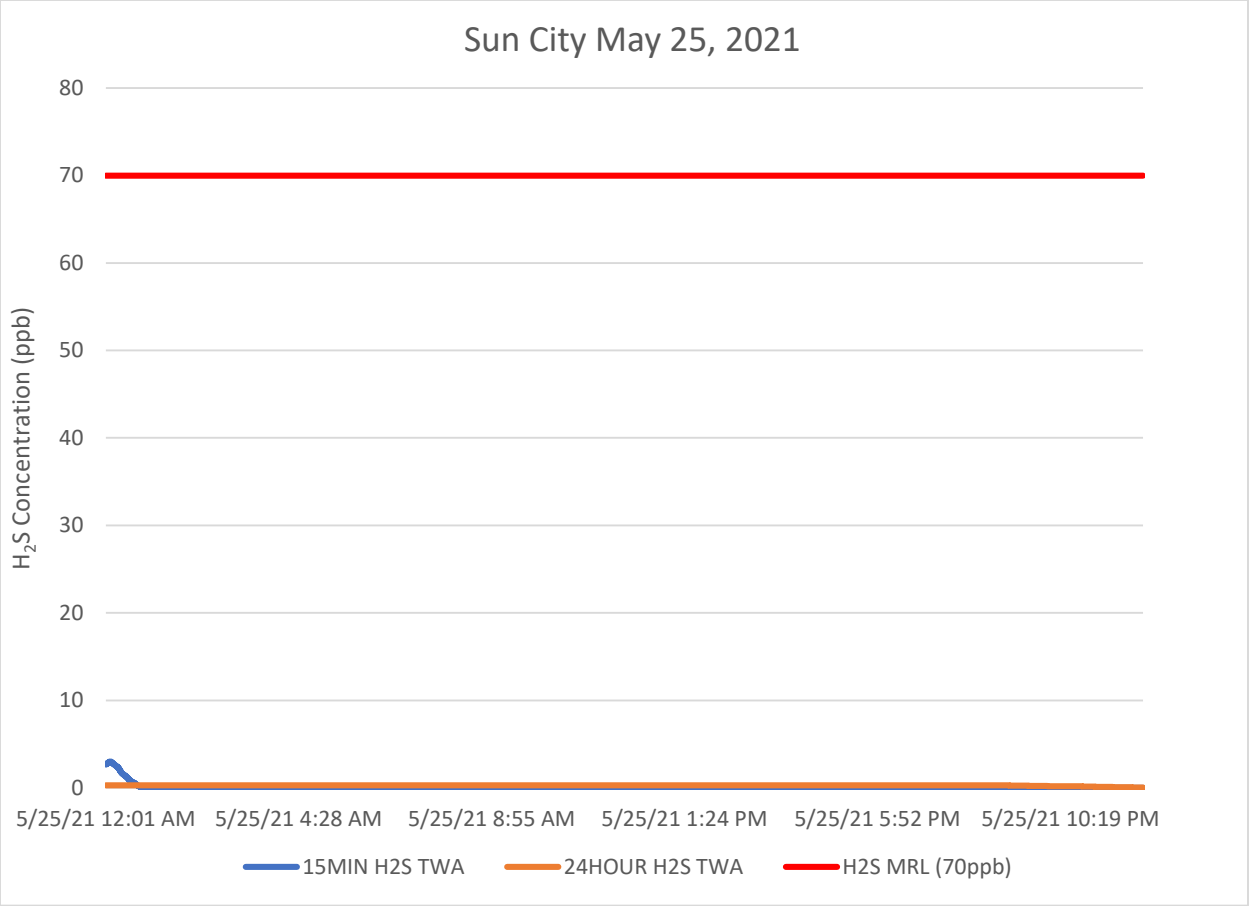
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



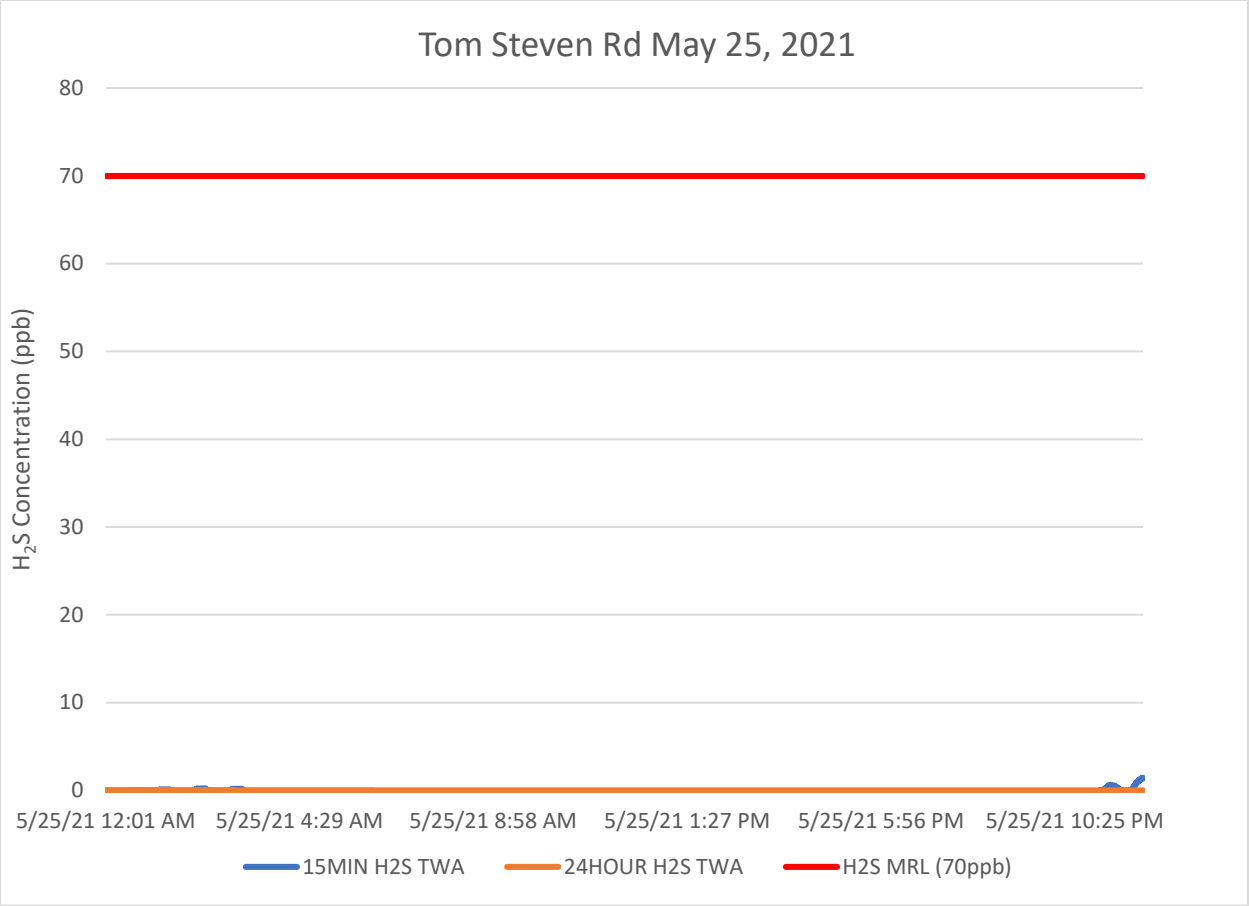
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



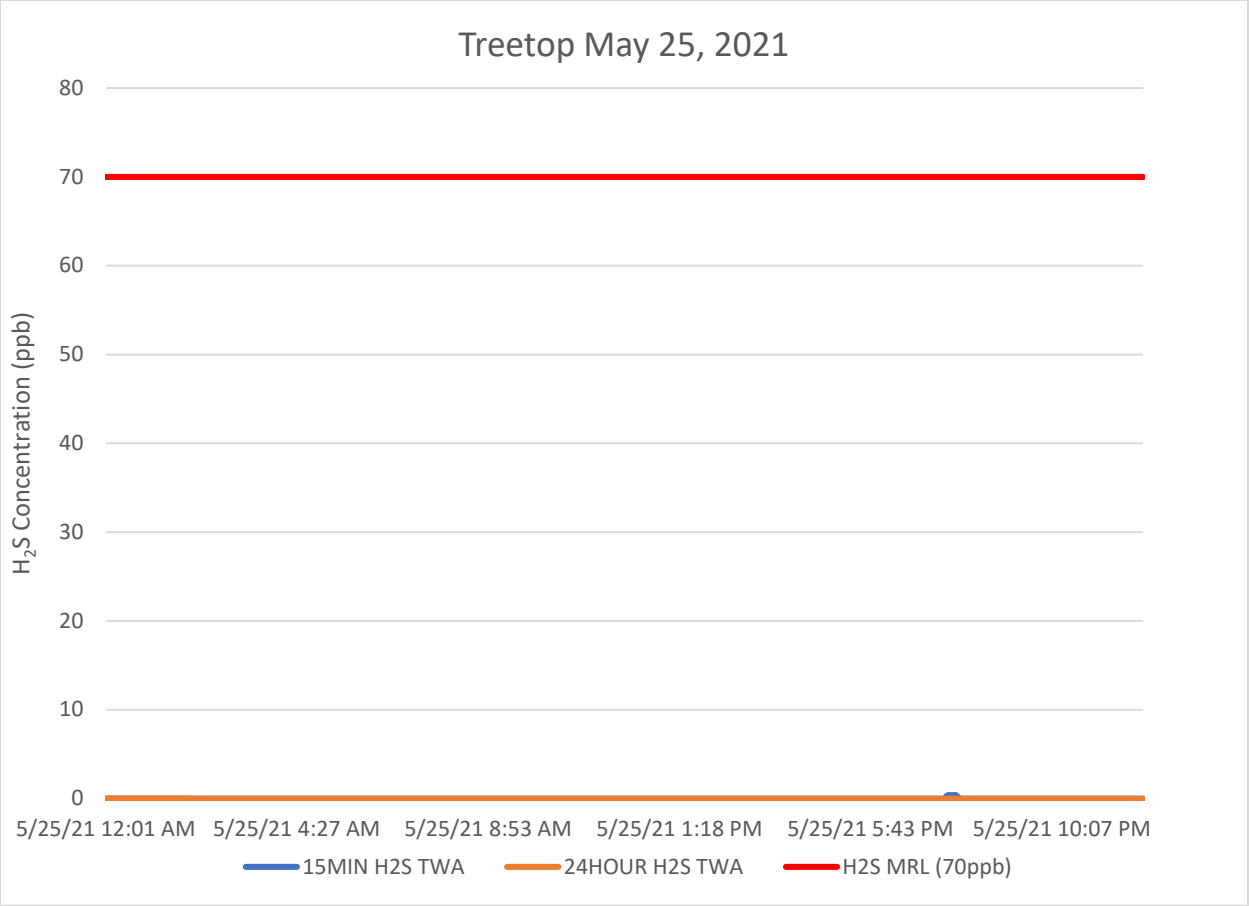
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



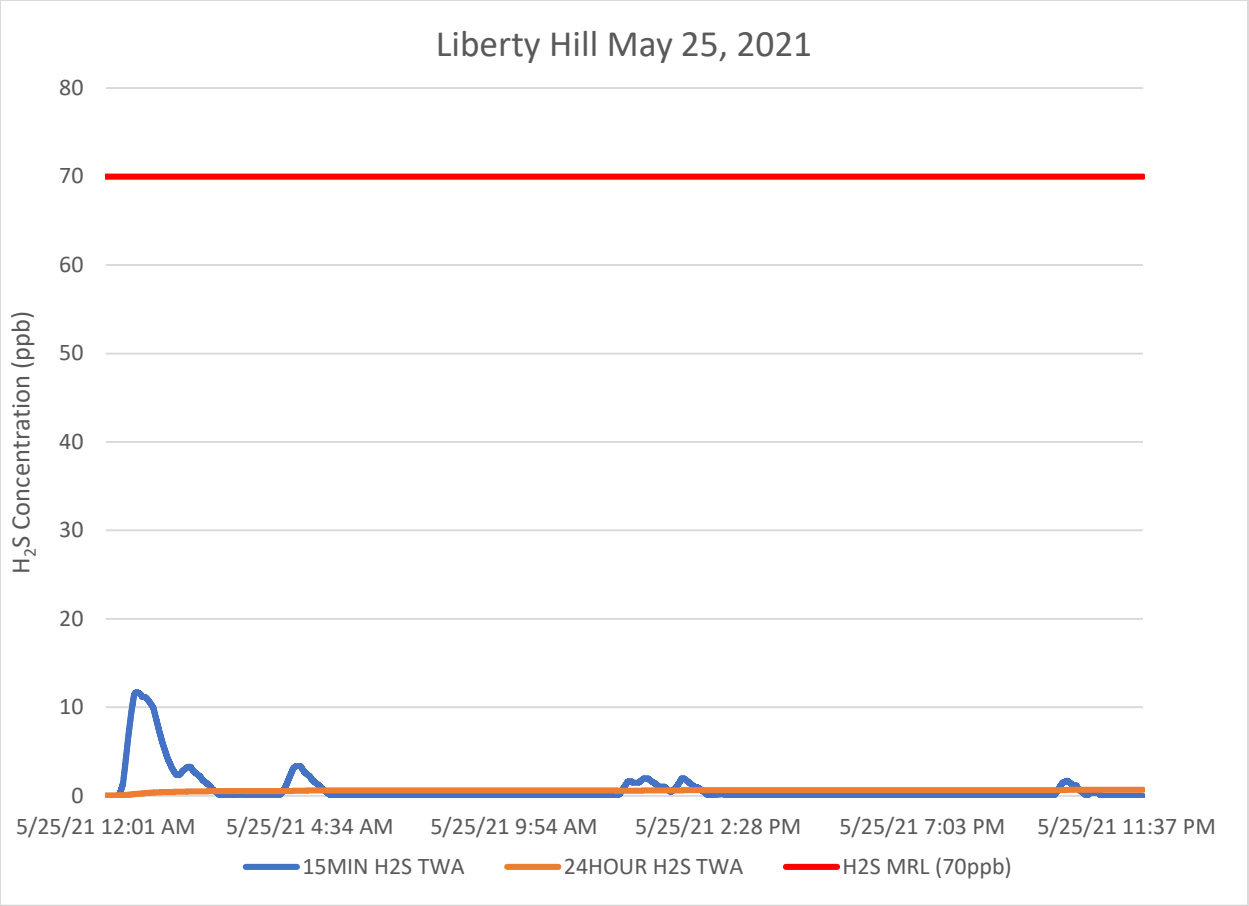
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/26/21 12:01 AM** ***To:*** ***5/26/21 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

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

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

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

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

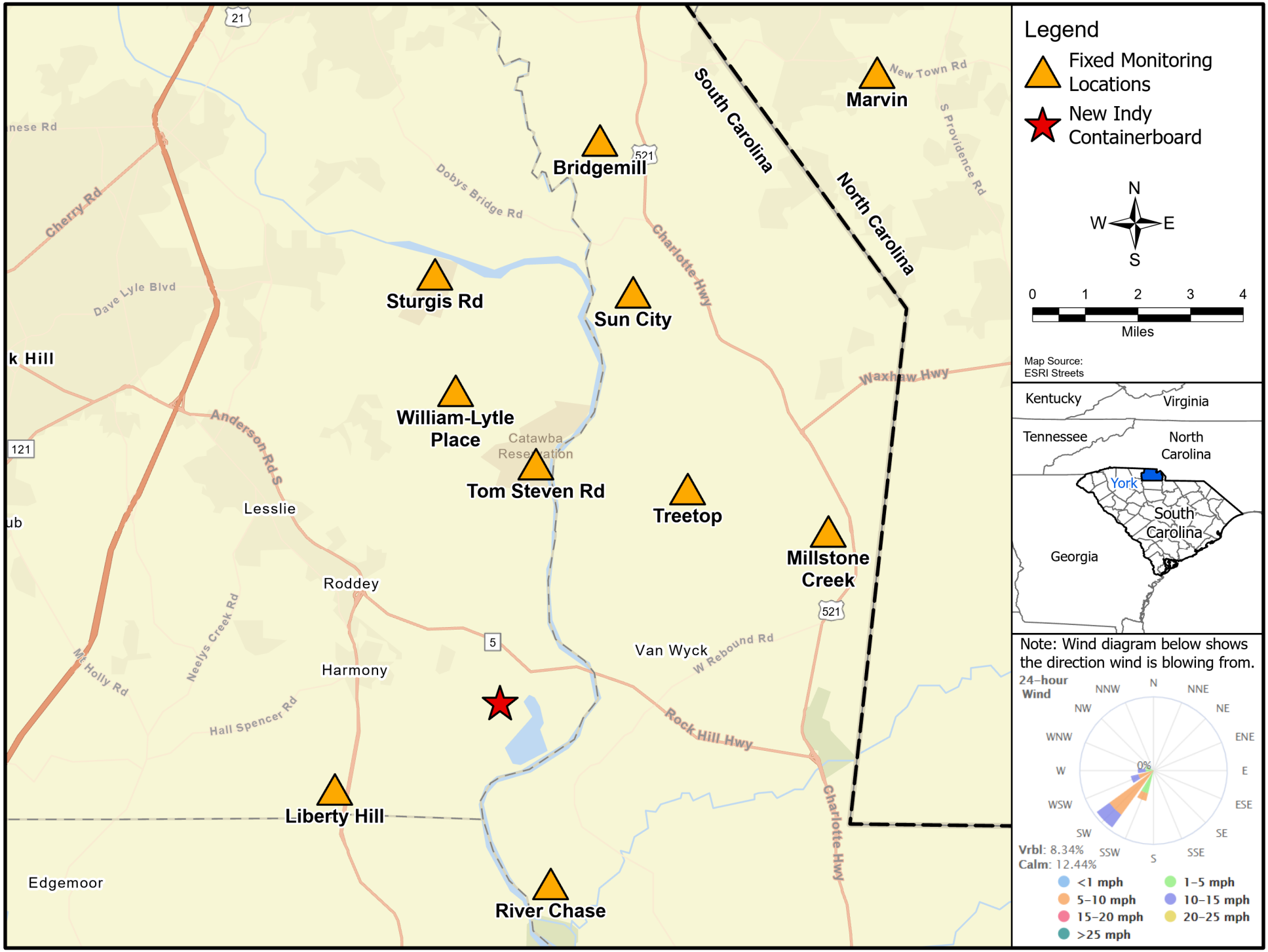
Liberty Hill

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)
H_2S	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 Average



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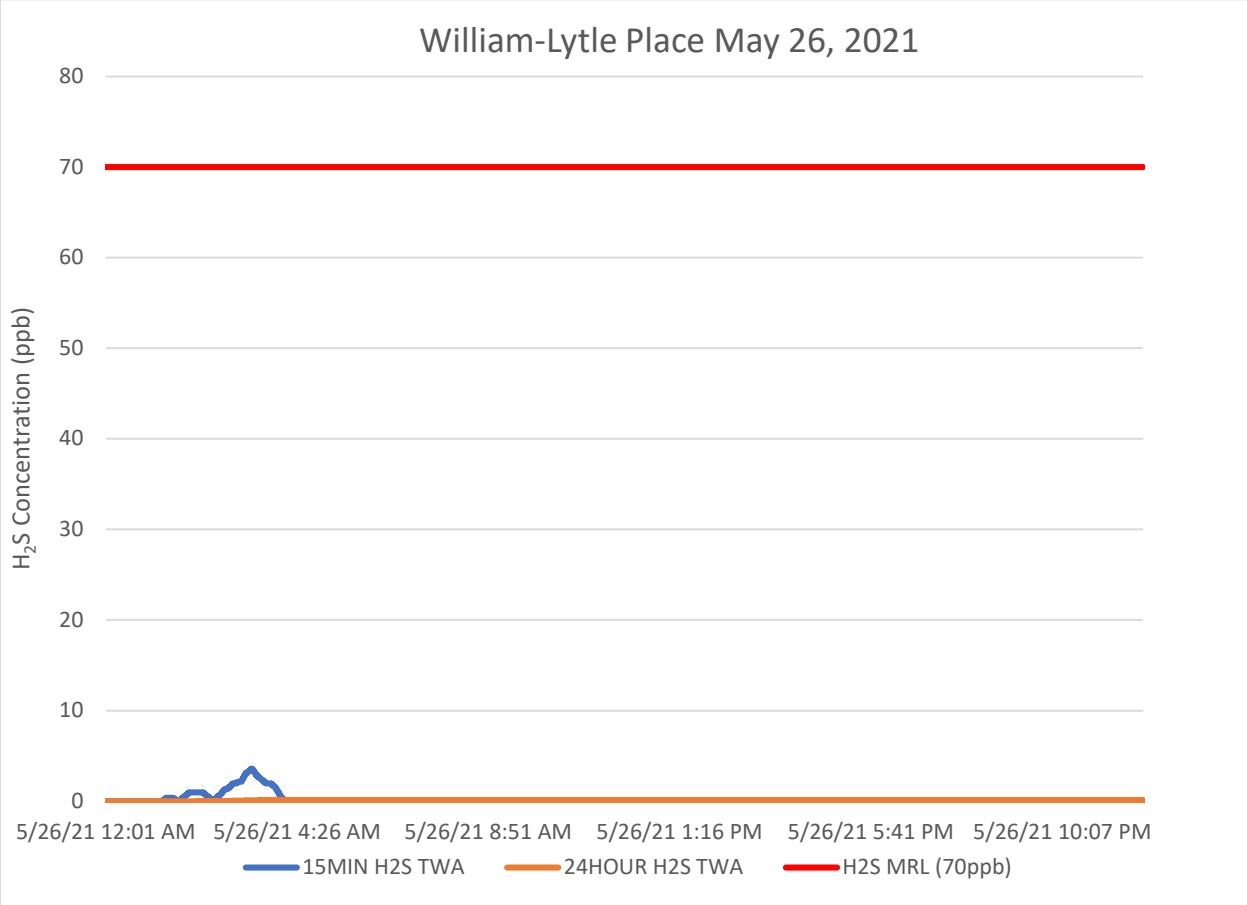
H_2S in South and North Carolina

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.

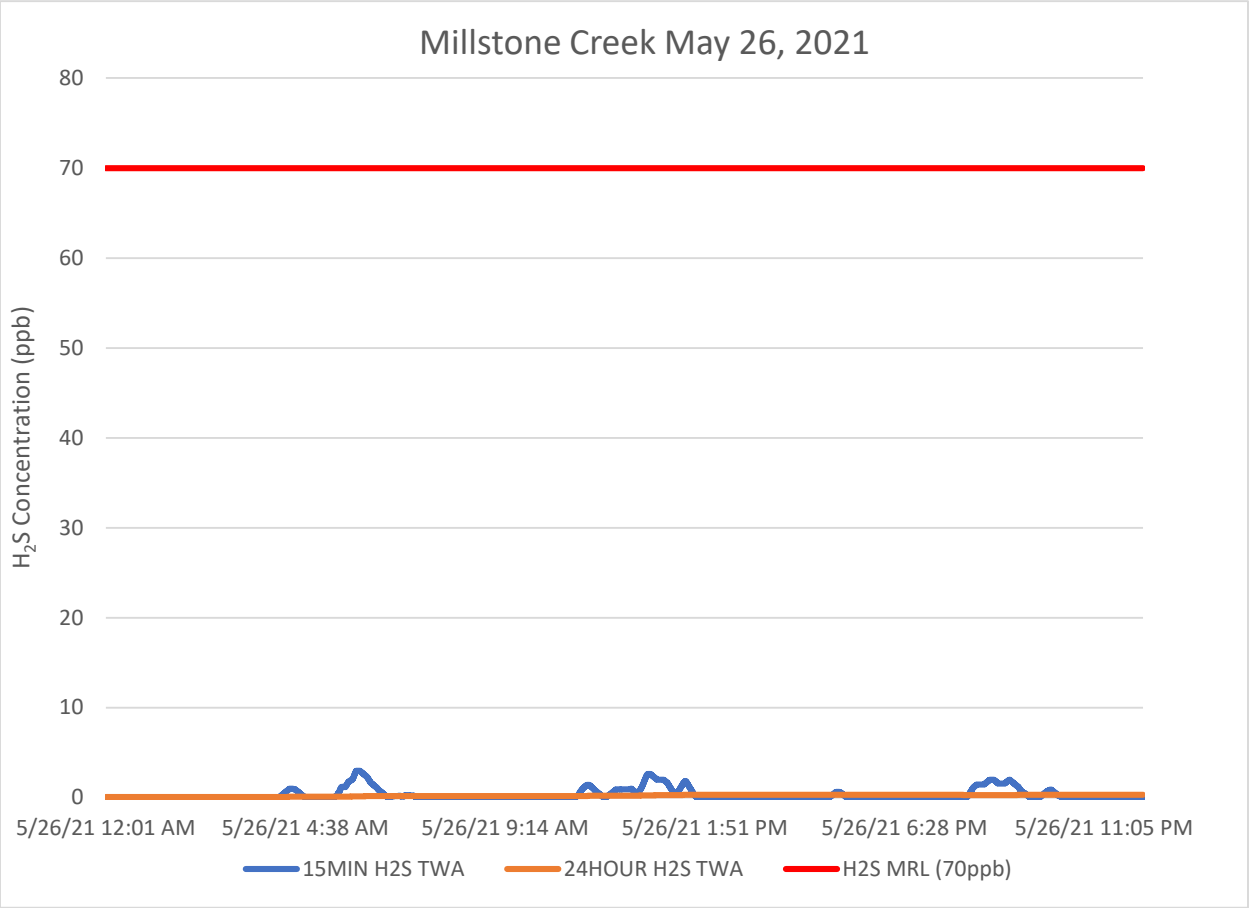
The prevailing wind directions for this reporting period were out of the southwest with a smaller percentage out of the south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

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



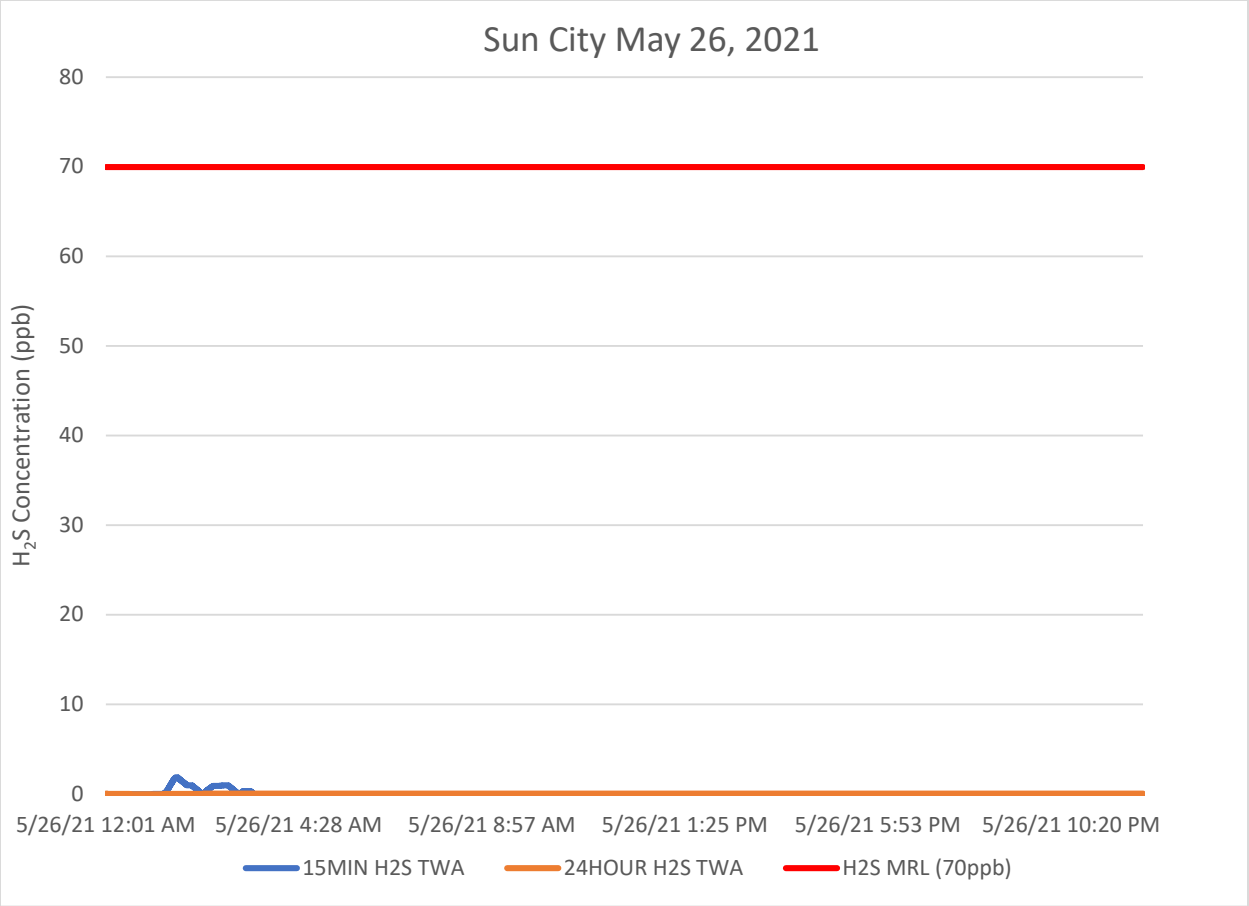
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



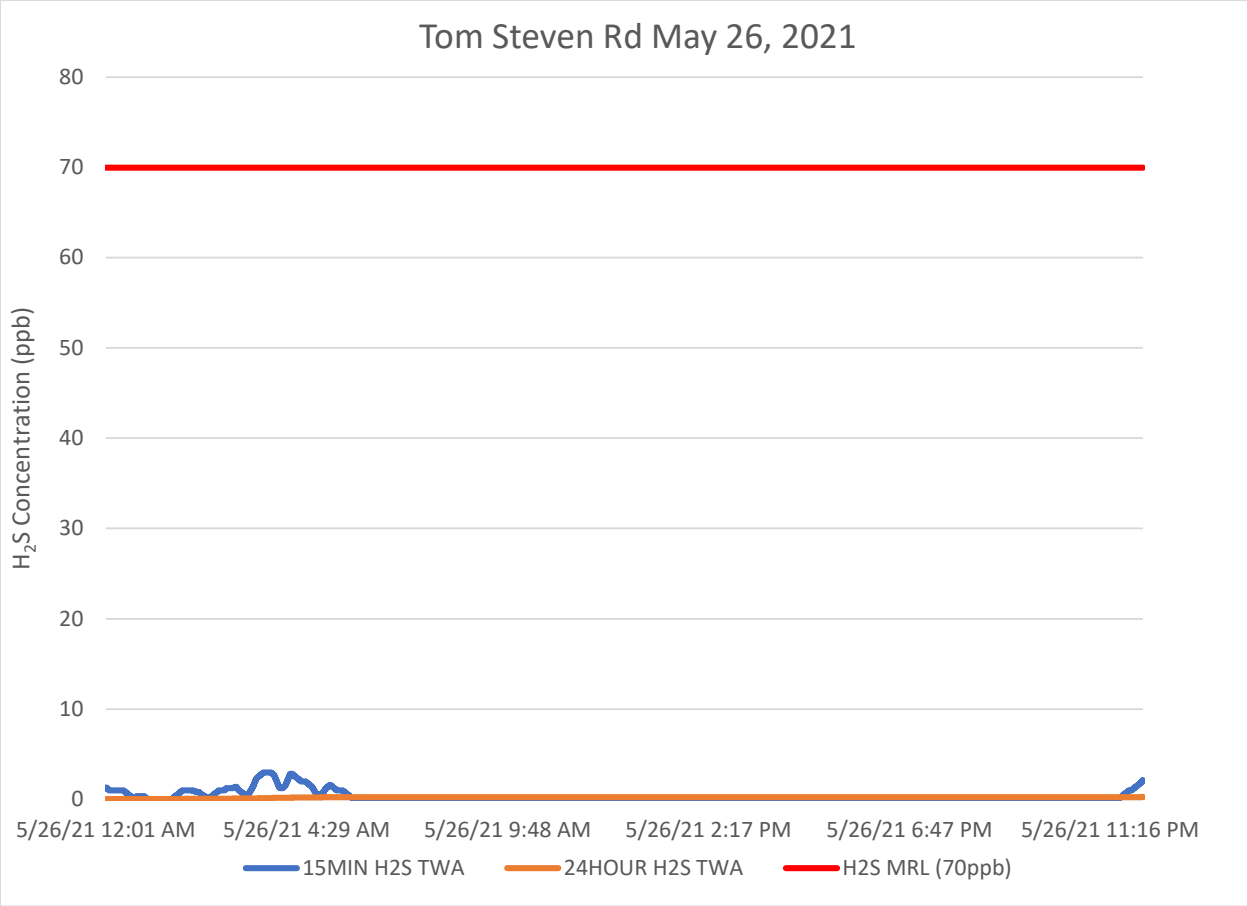
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



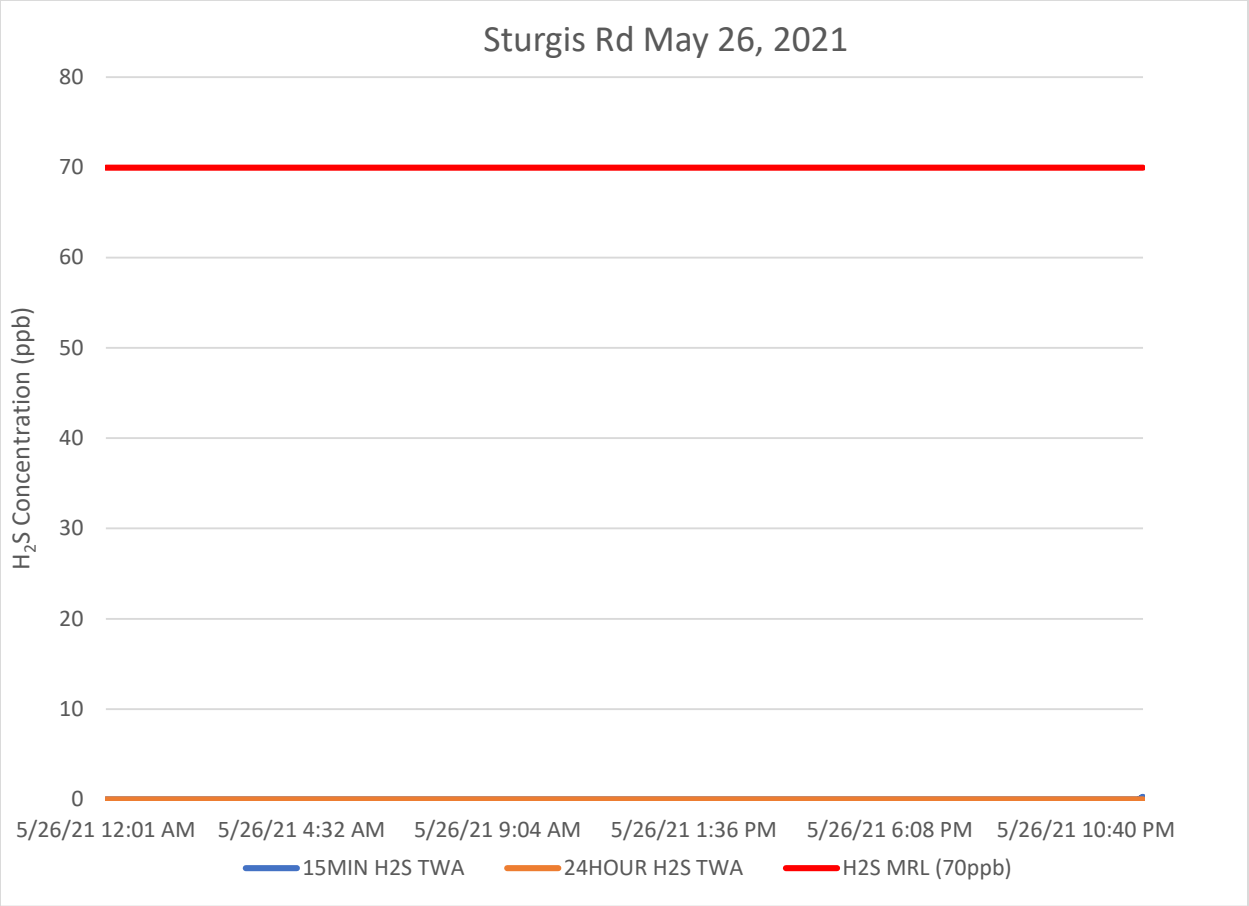
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



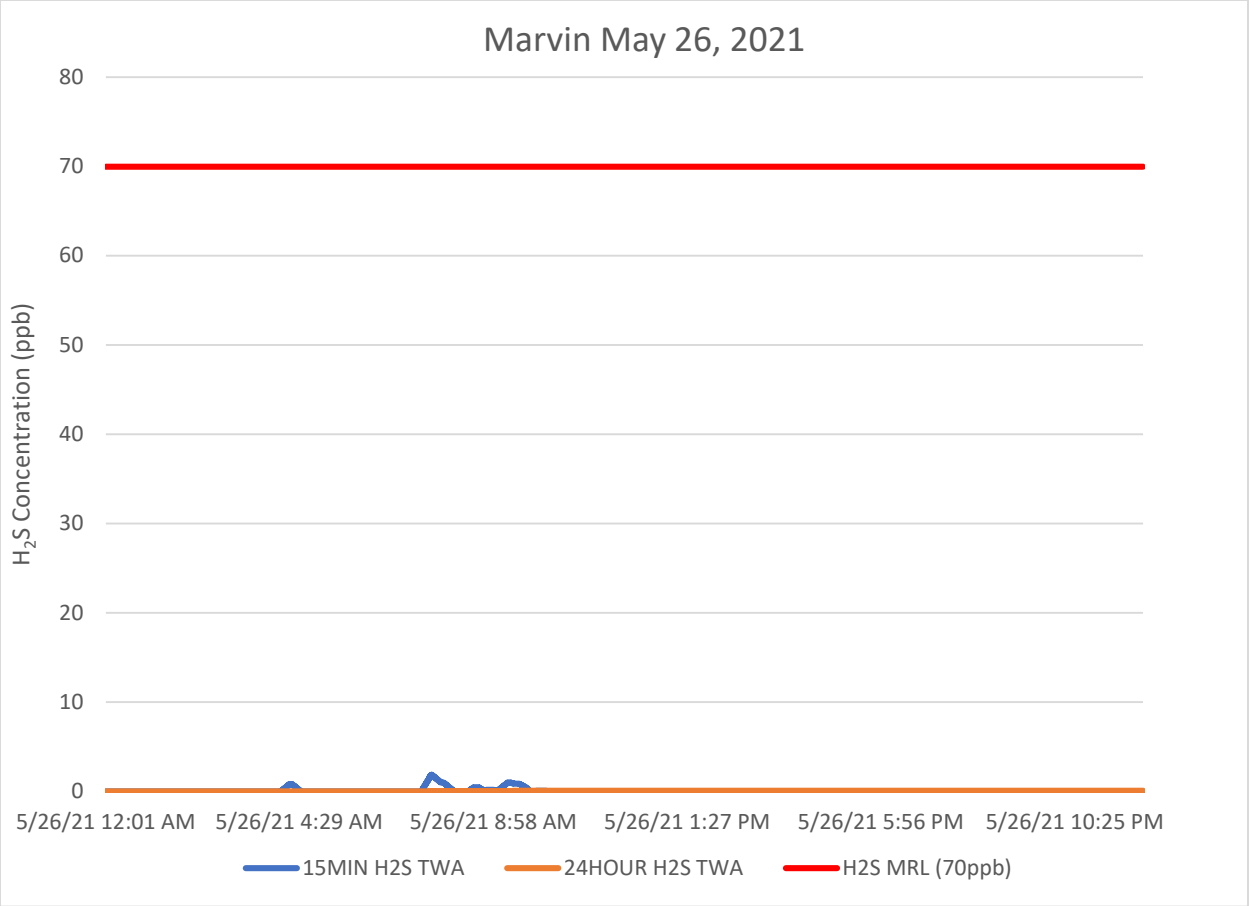
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



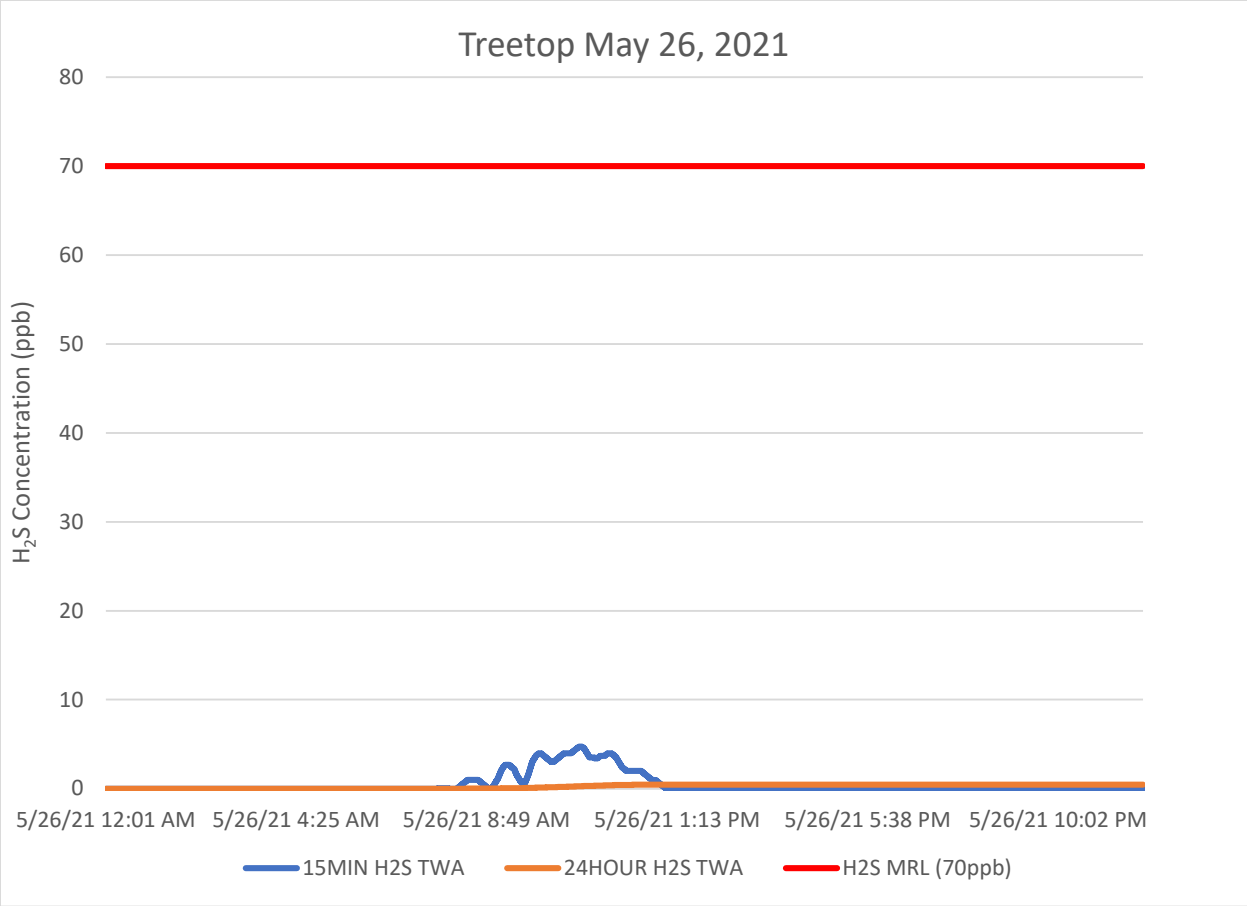
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/27/21 12:01 AM** ***To:*** ***5/27/21 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

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

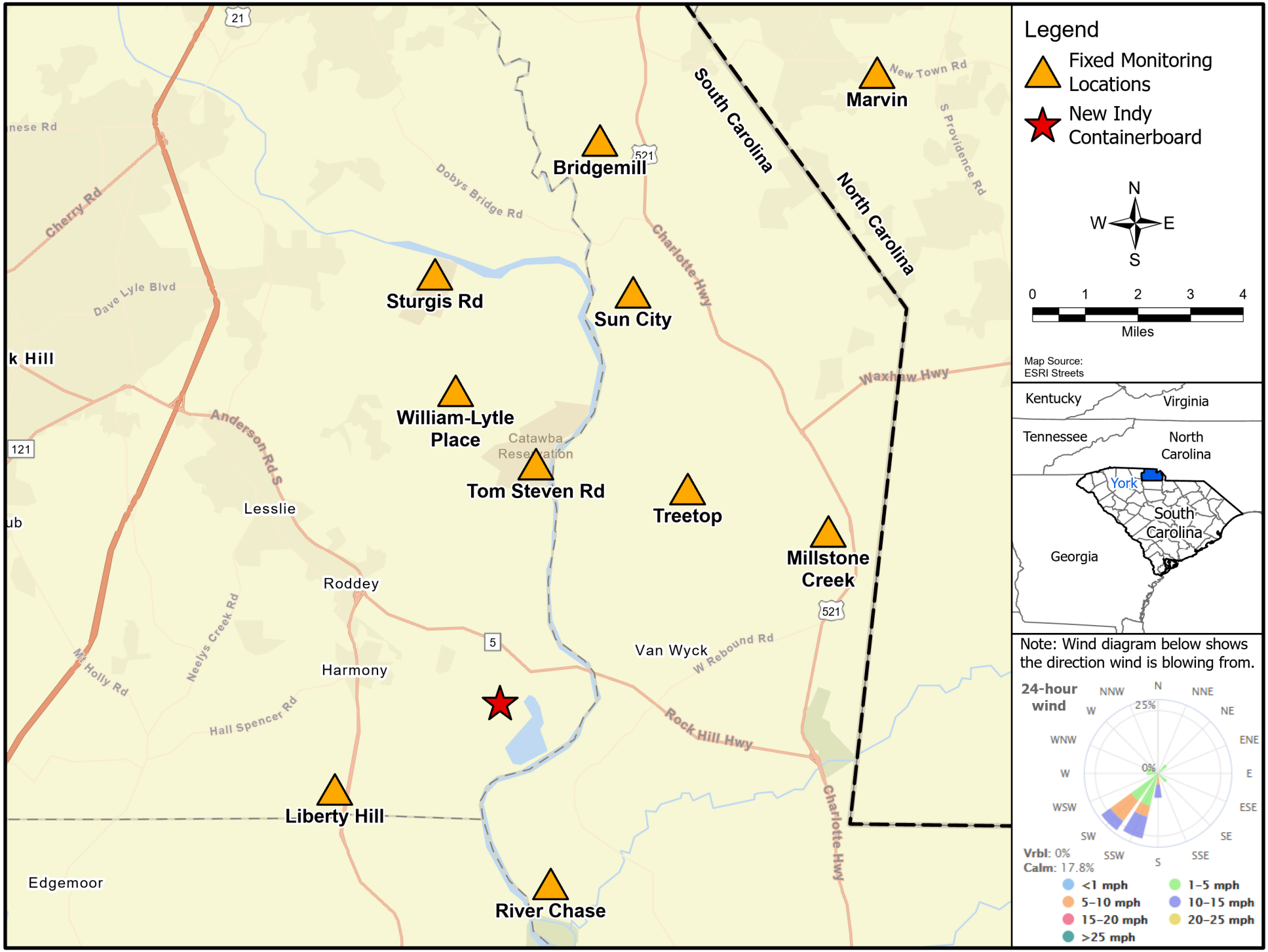
Liberty Hill

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)
H_2S	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 Average



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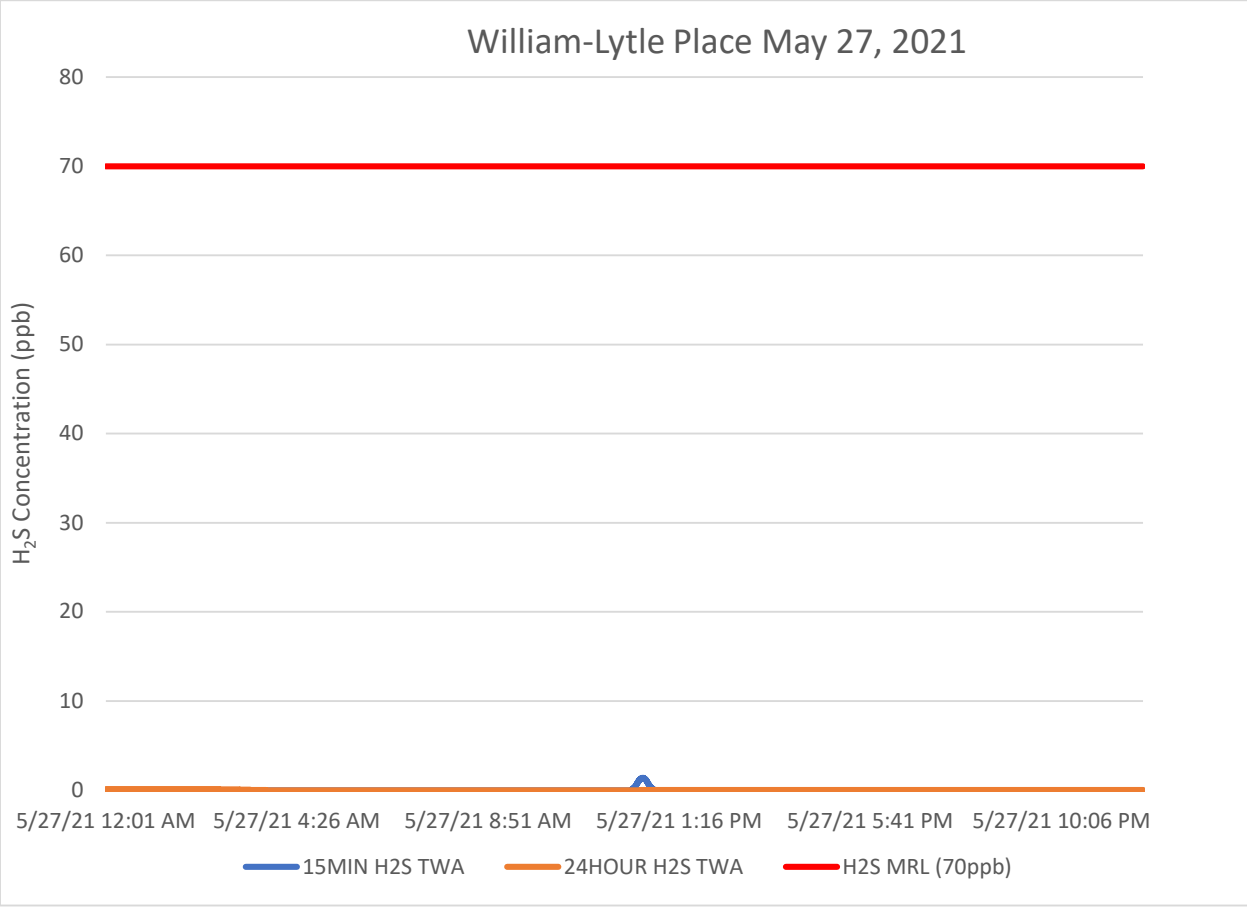
H_2S in South and North Carolina

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.

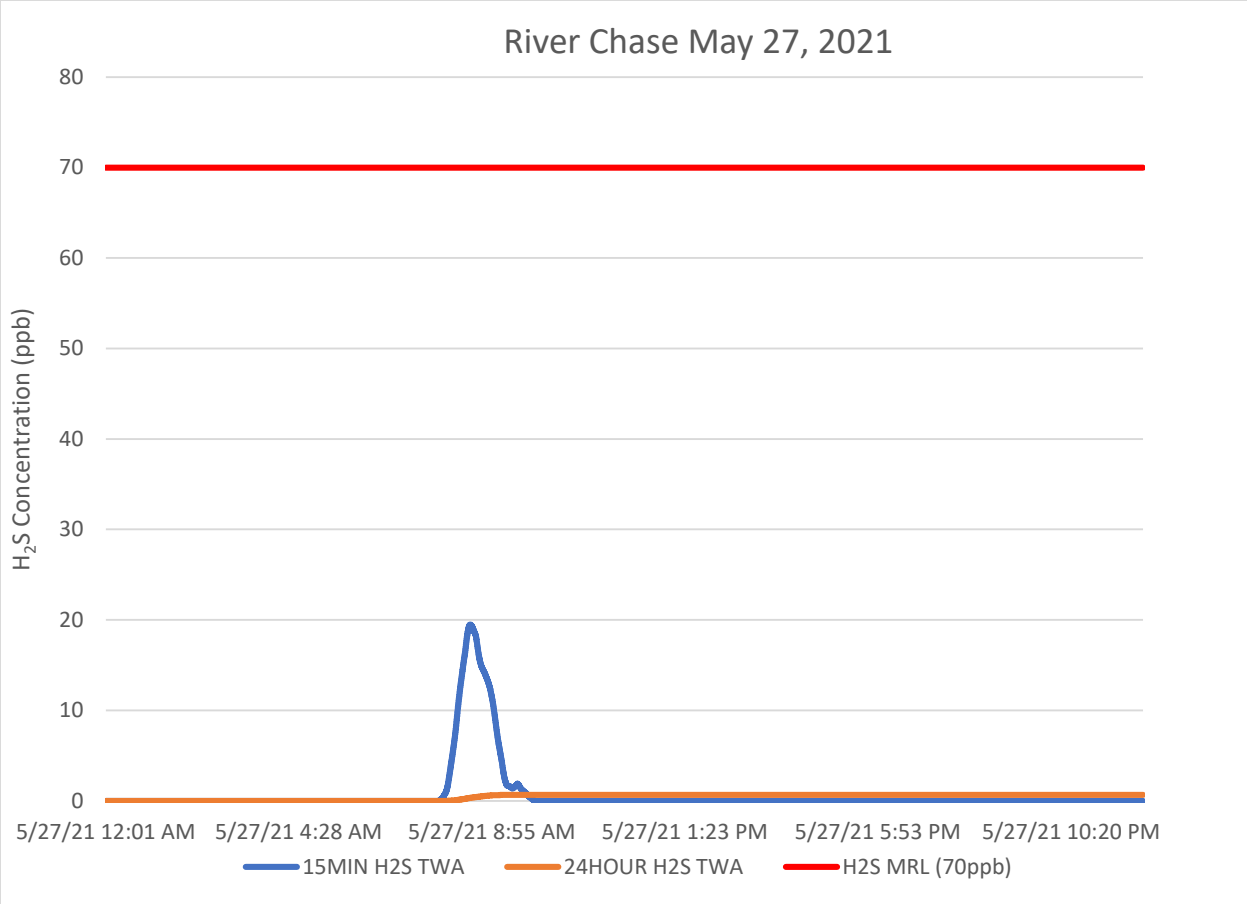
The prevailing wind directions for this reporting period were out of the southwest and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: Sun City



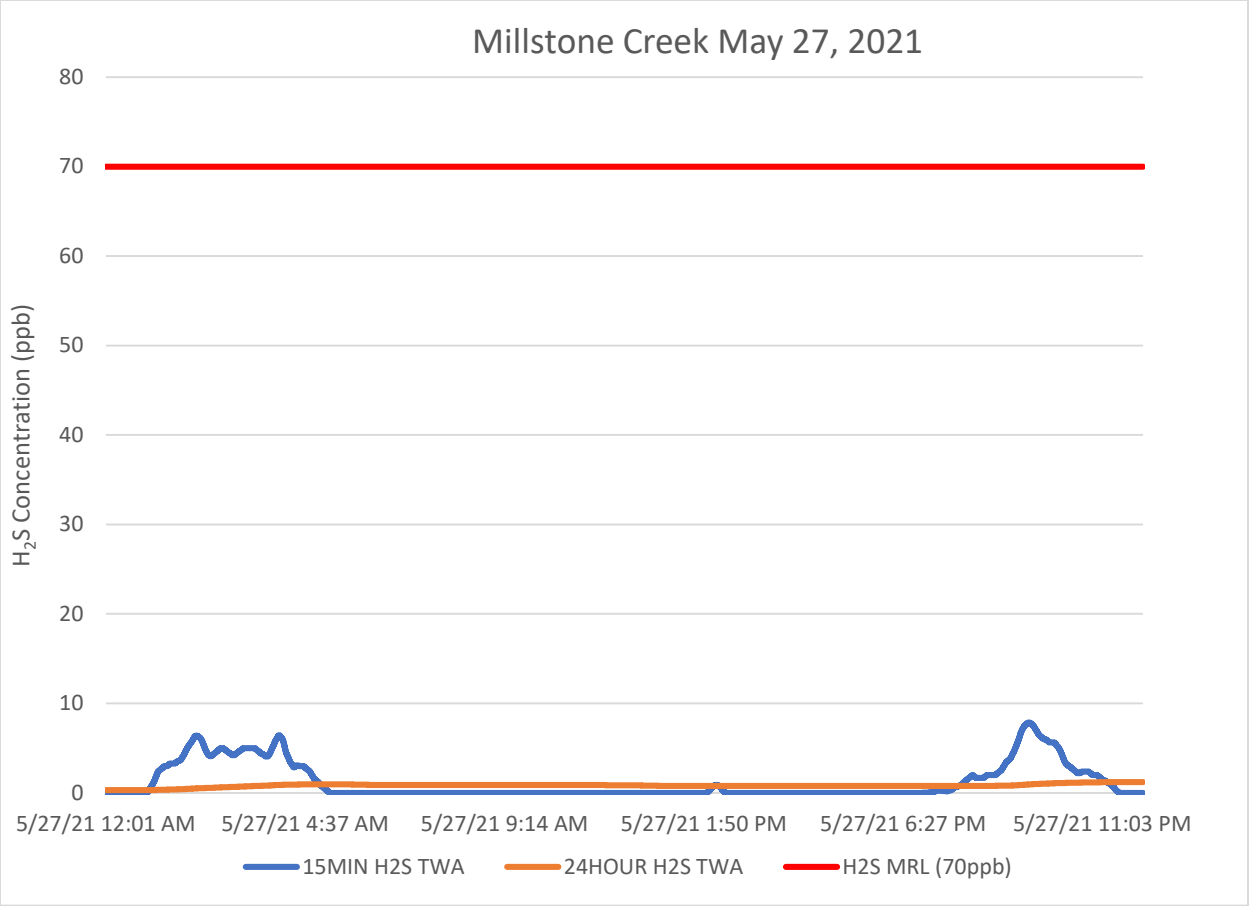
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



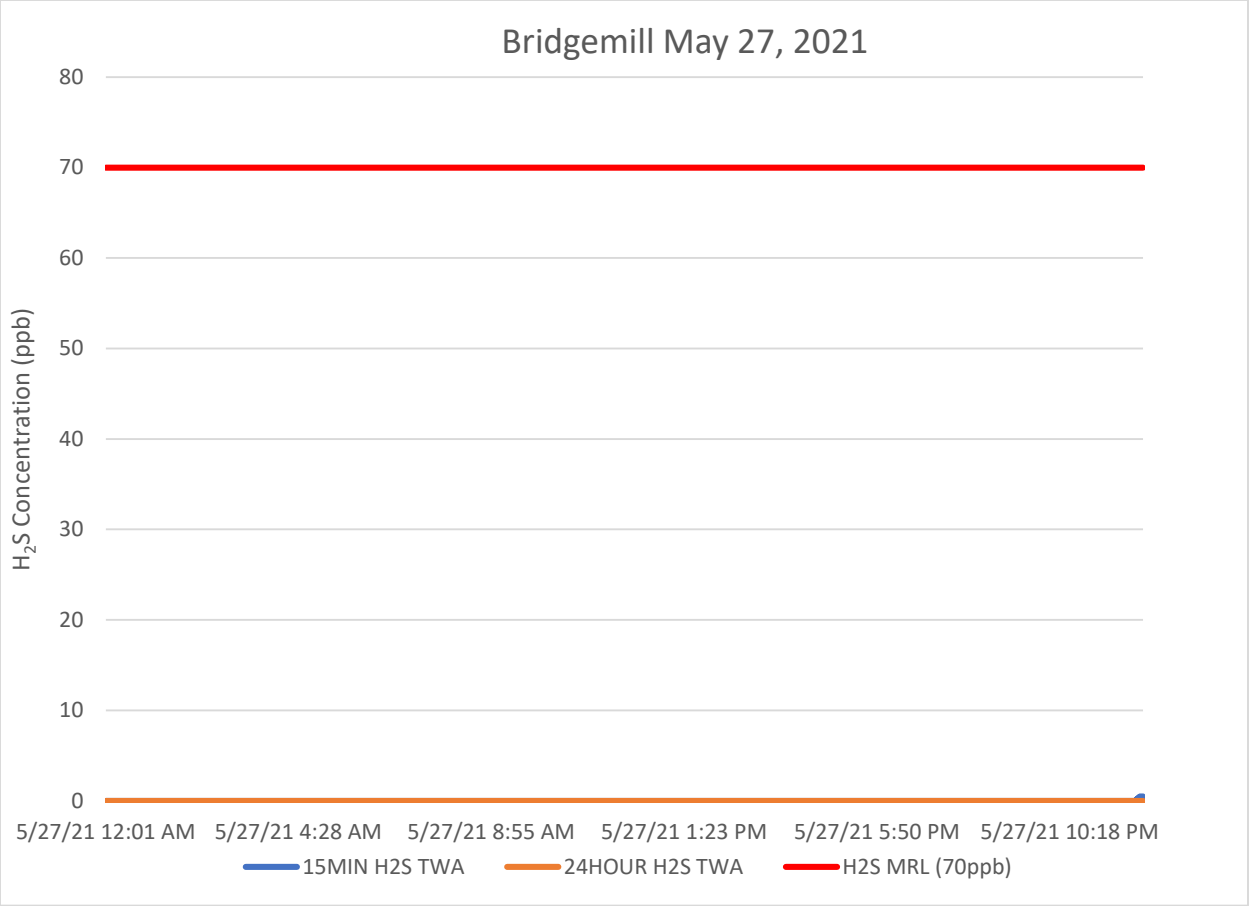
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



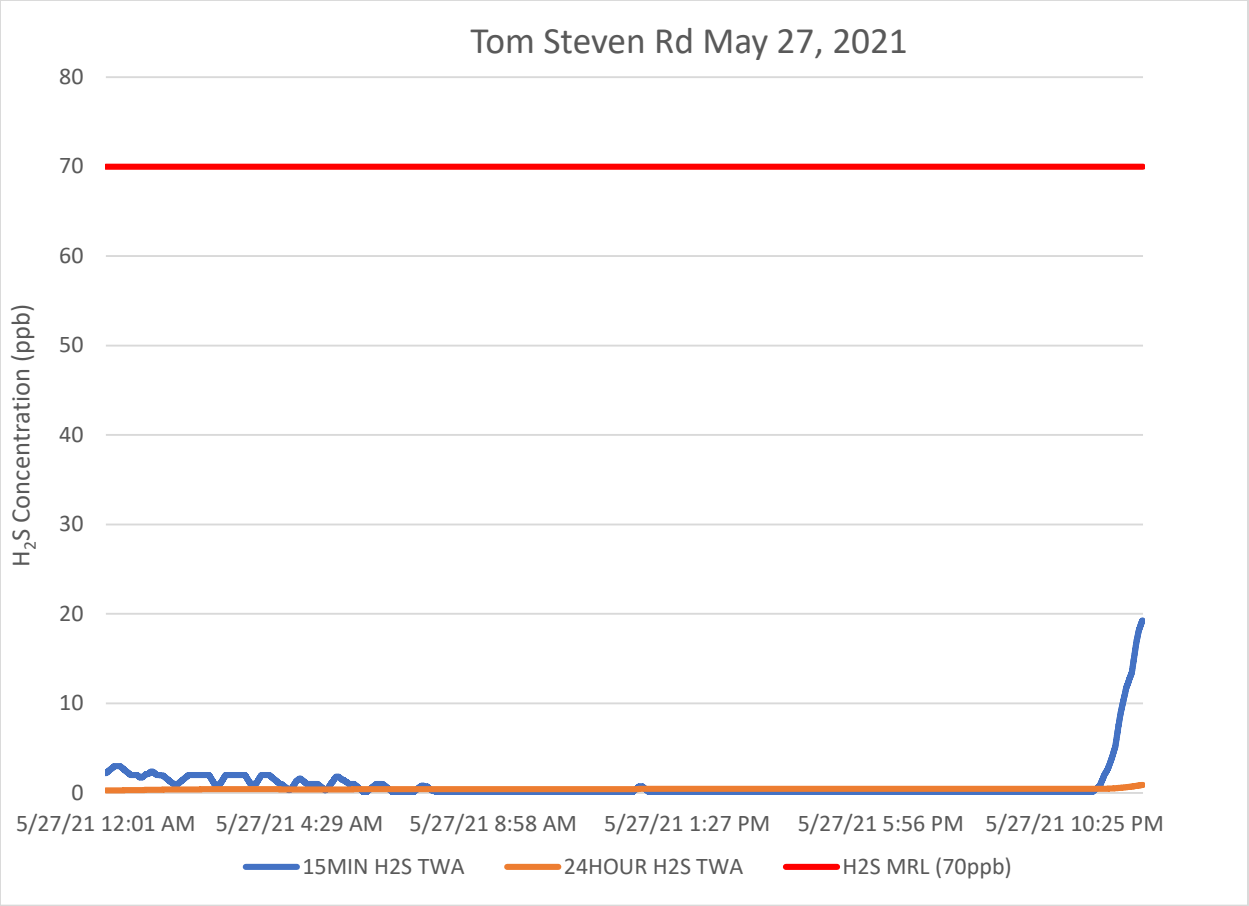
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



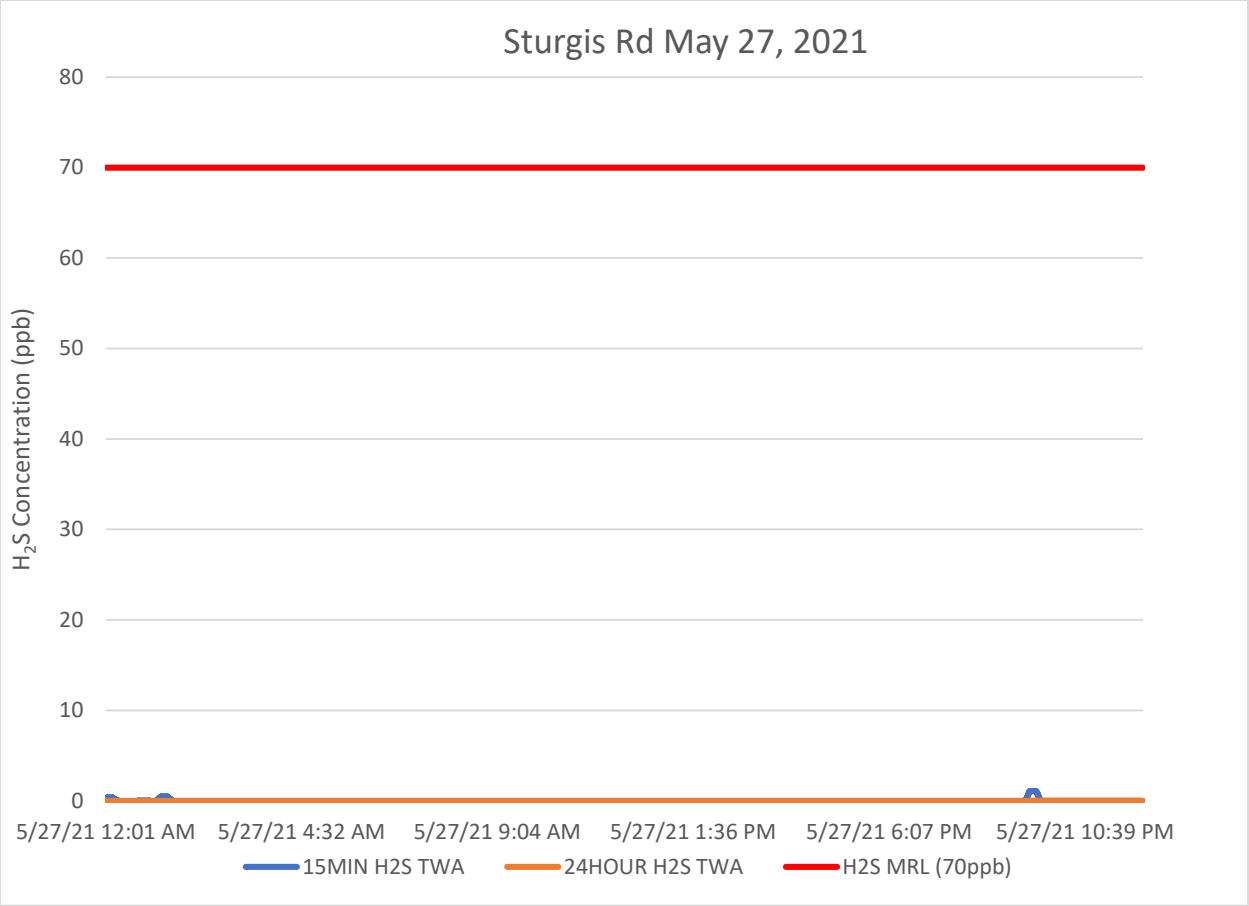
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



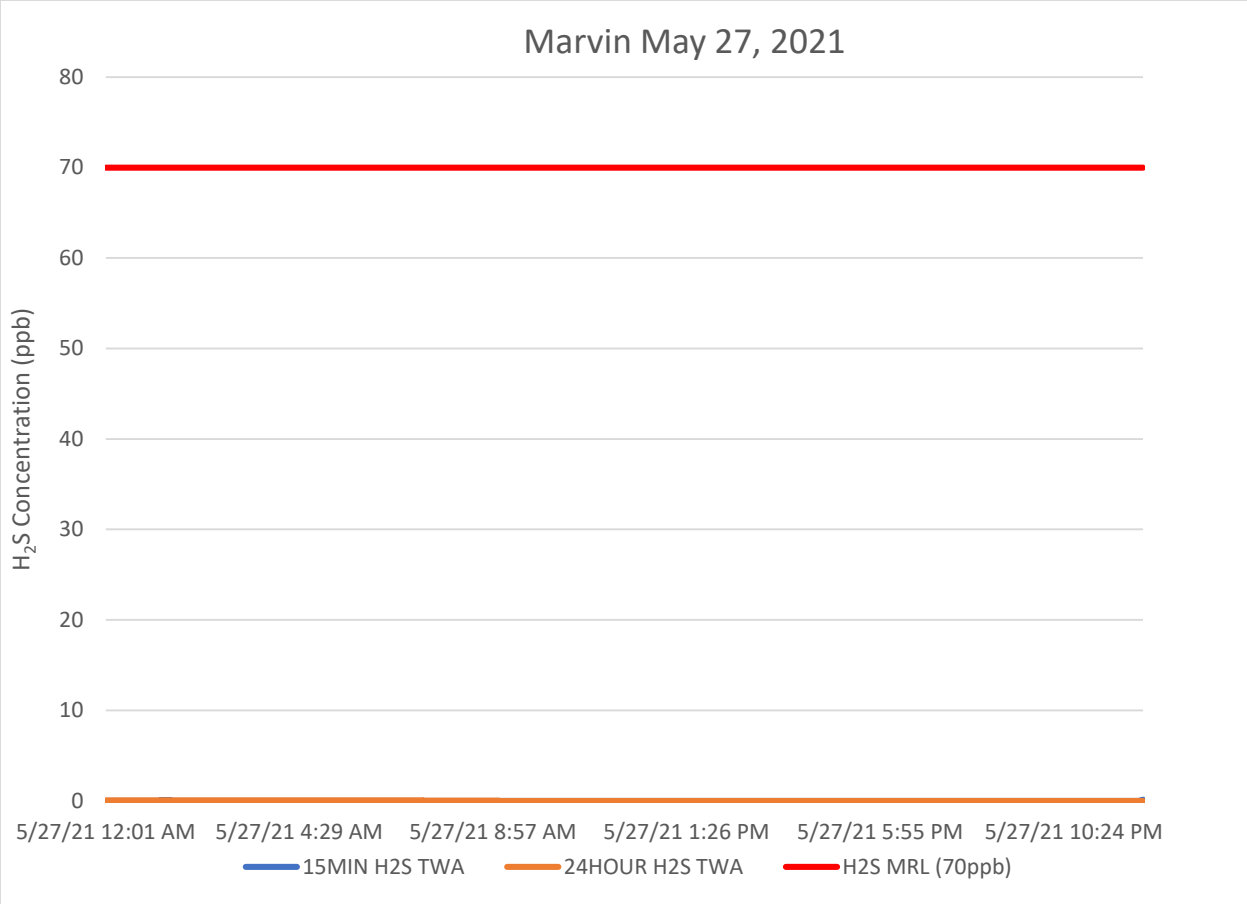
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



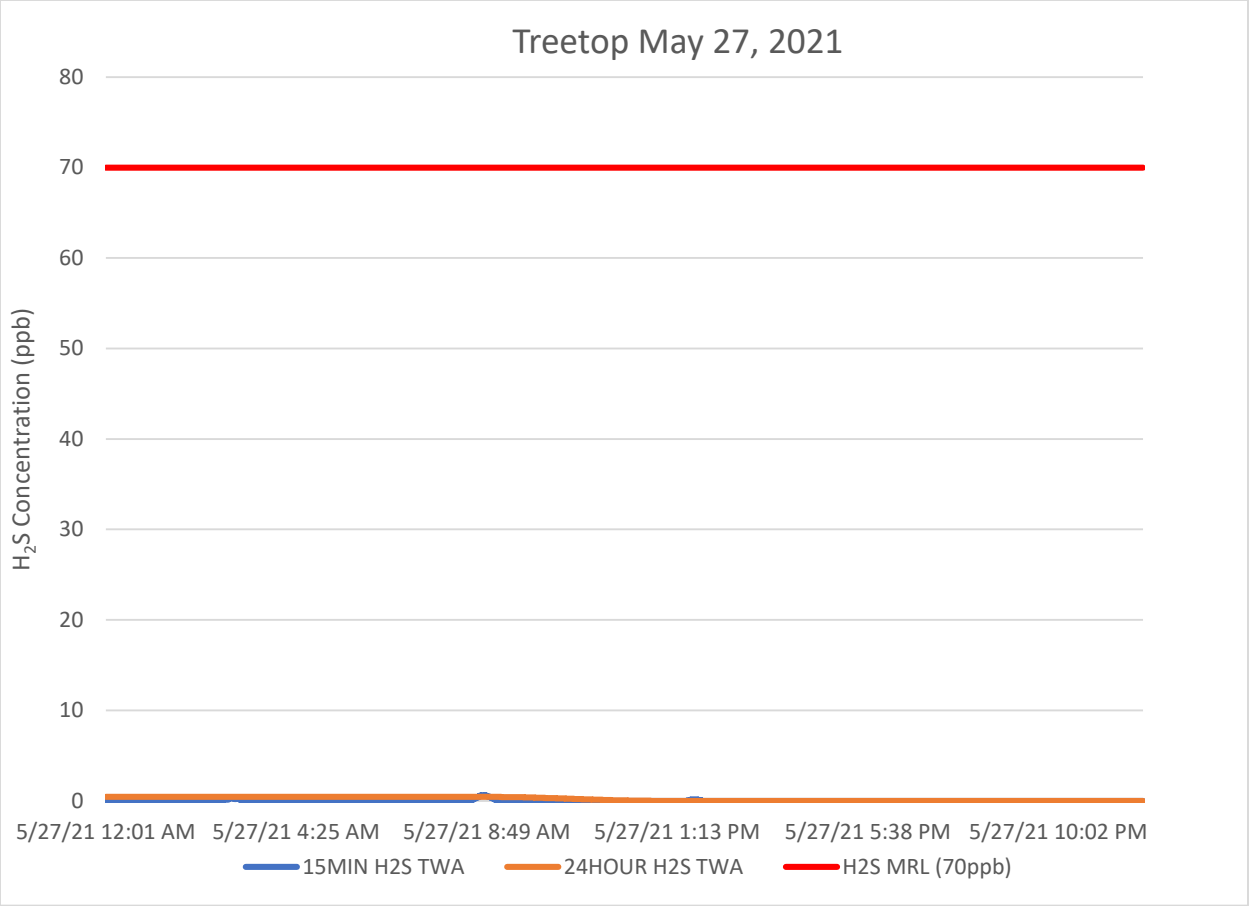
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



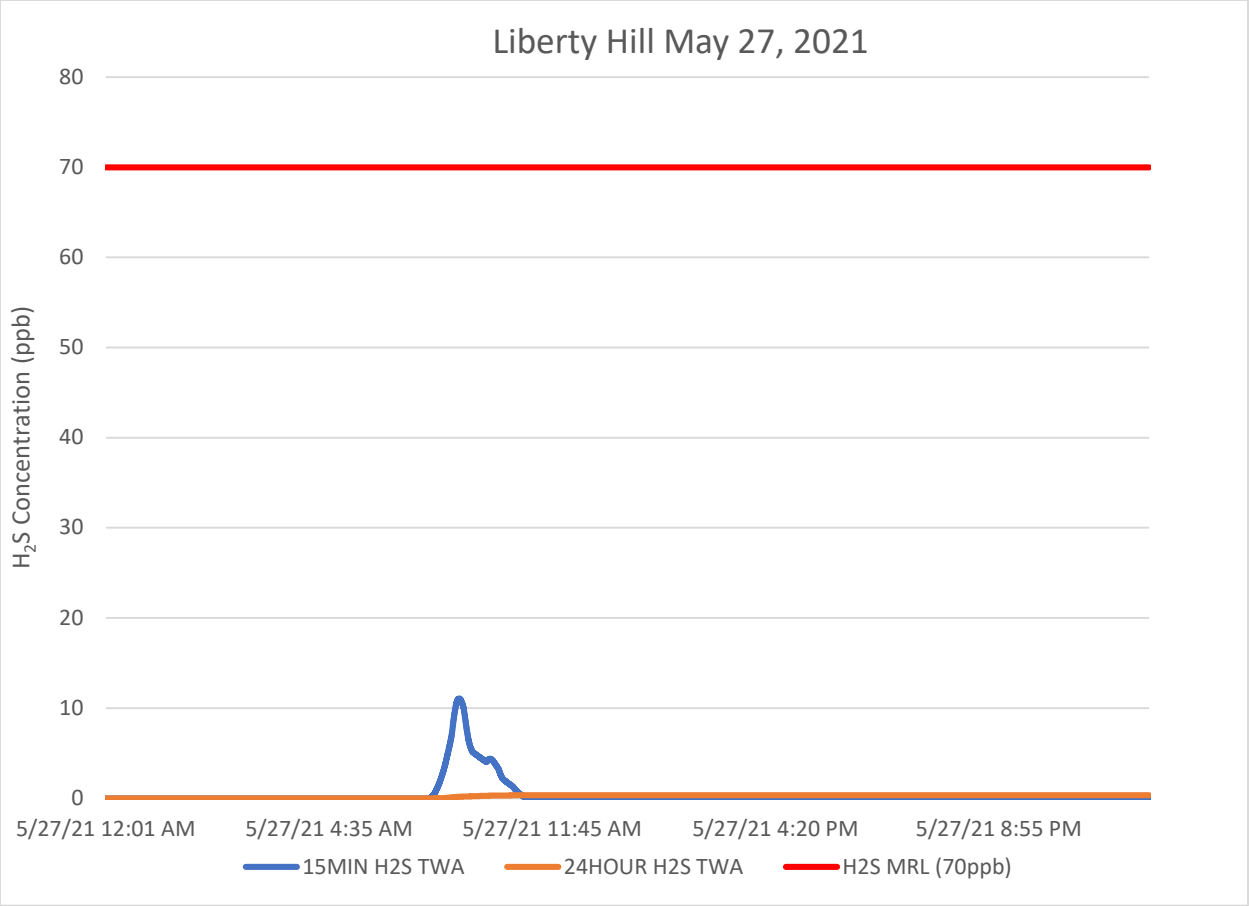
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/28/21 12:01 AM** ***To:*** ***5/28/21 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	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	51994	6156	0 - 4 ppb	0.24 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	53886	19784	0 - 7 ppb	1.12 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	53724	19590	0 - 8 ppb	1.43 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	46721	16184	0 - 31 ppb	5.07 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	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
SPM Flex 9	H2S	No	54446	17532	0 - 14 ppb	1.35 ppb	70 ppb

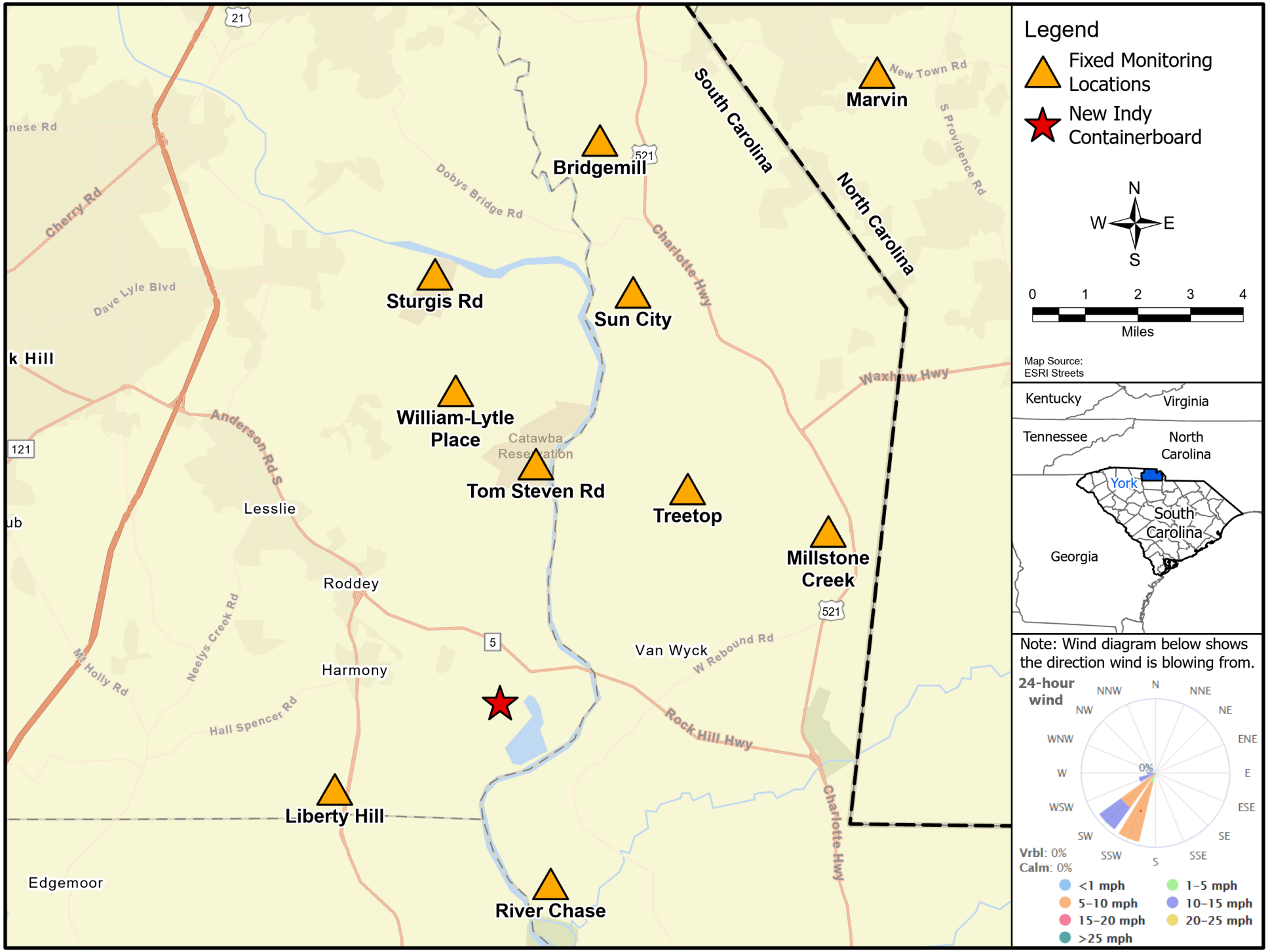
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	52324	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)
H_2S	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



File: C:\Users\greg.docekal\Documents\ArcGIS\Projects\York_H2S_Figures\York_H2S_Figures.aprx

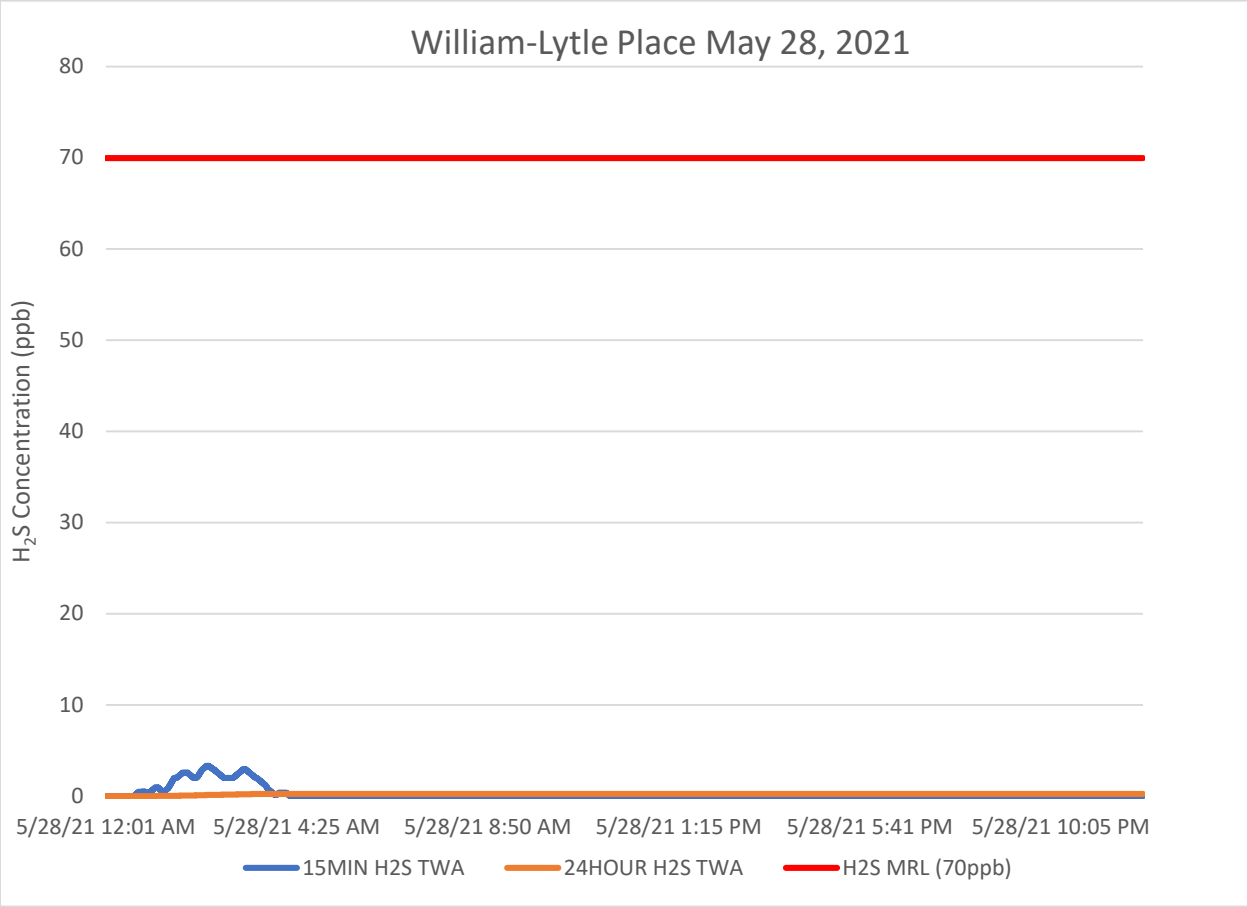
H_2S in South and North Carolina

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.

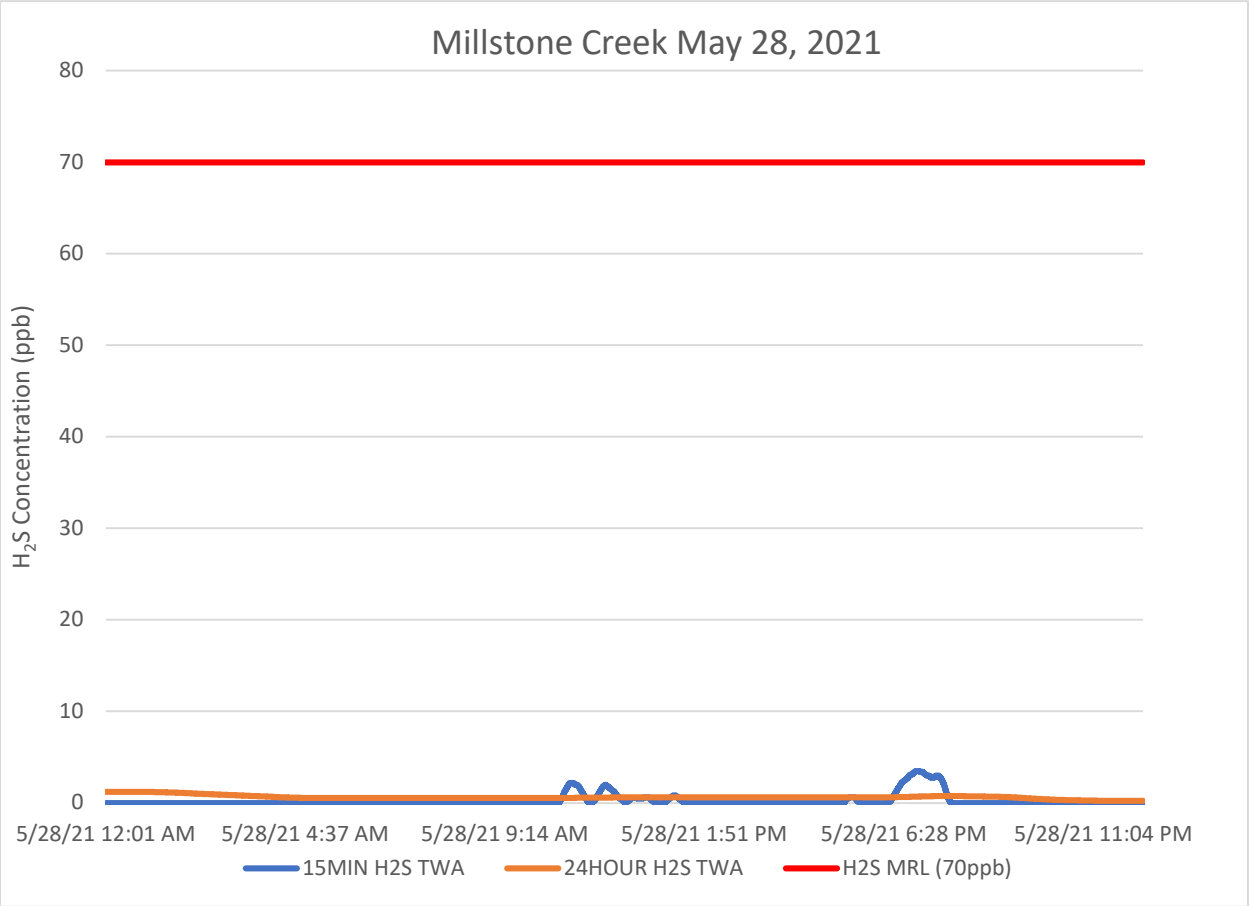
The prevailing wind directions for this reporting period were out of the southwest and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

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



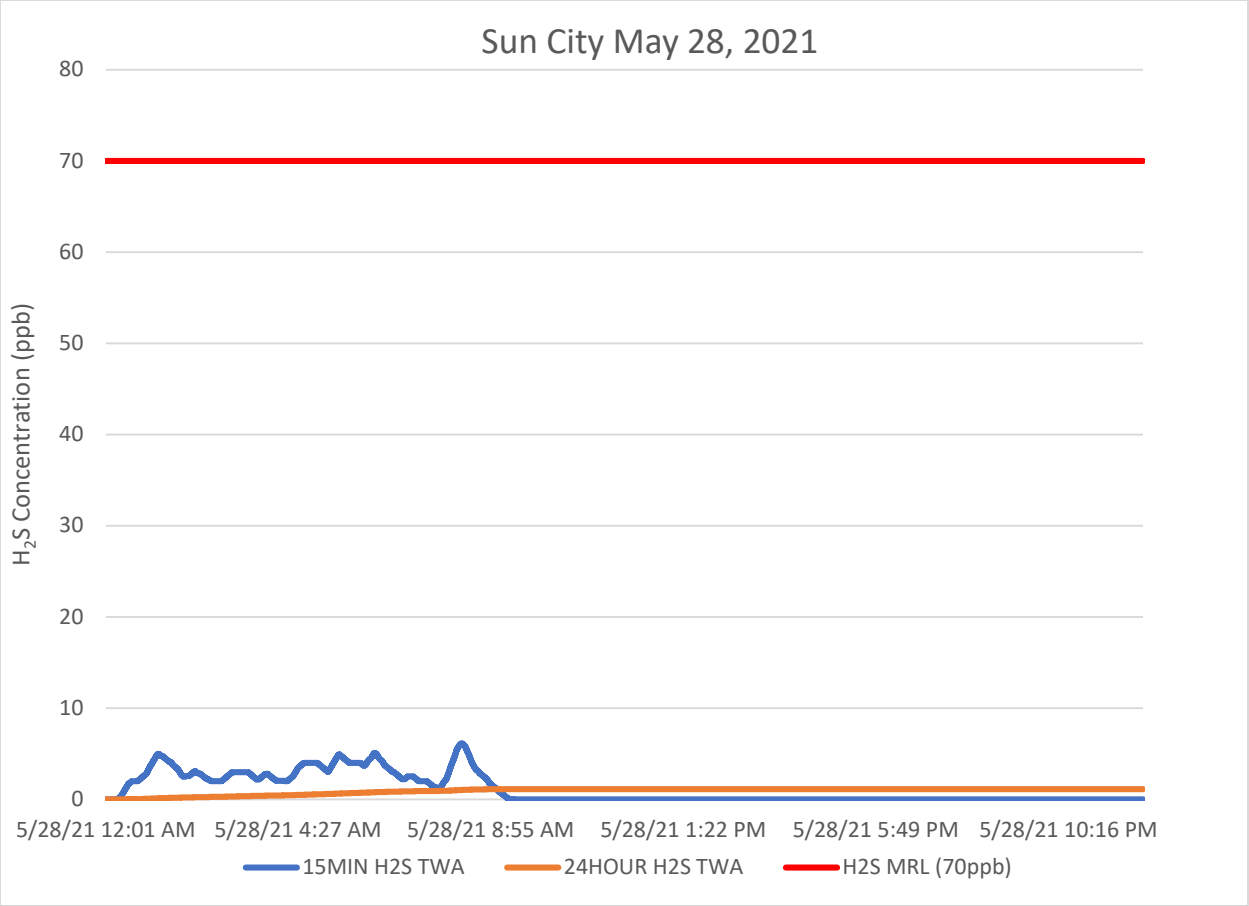
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



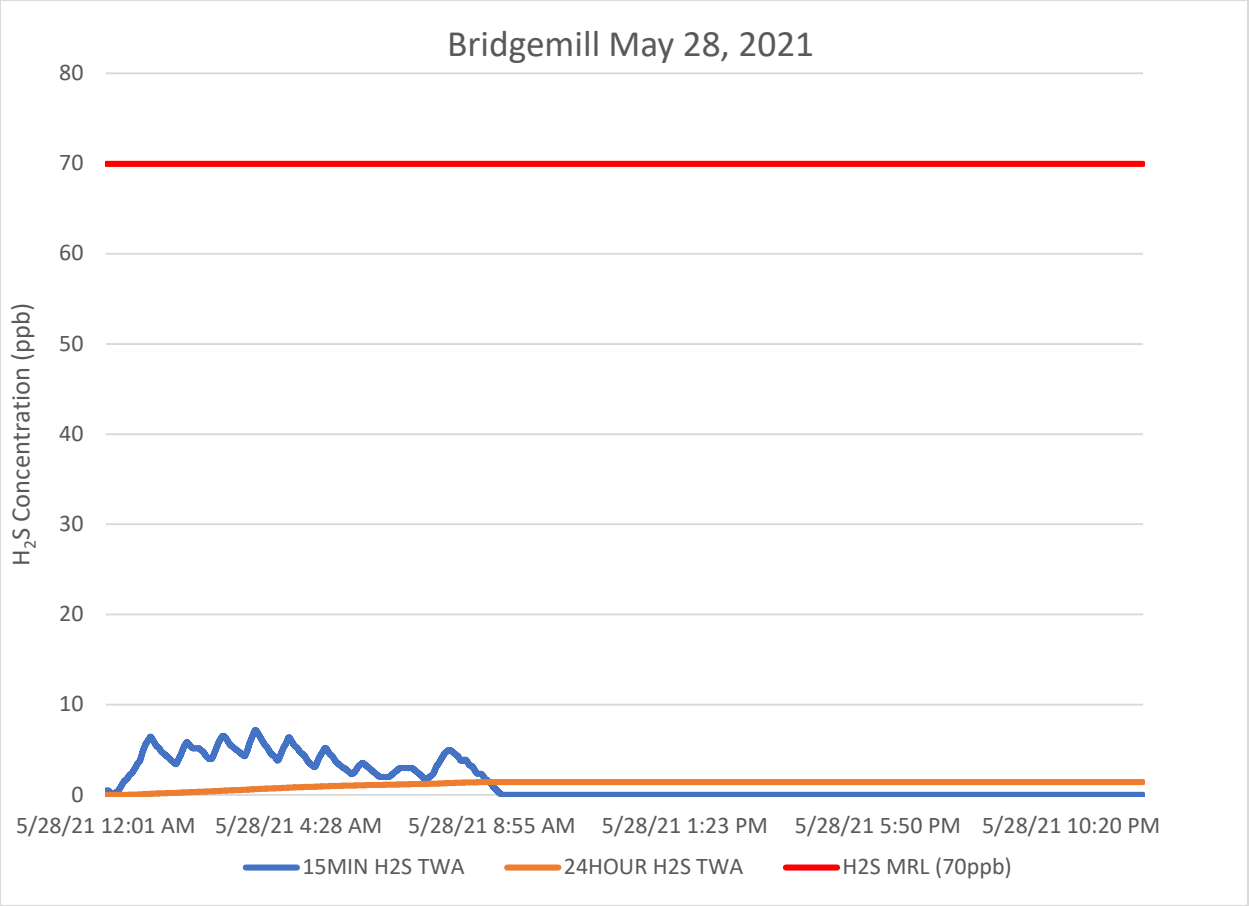
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



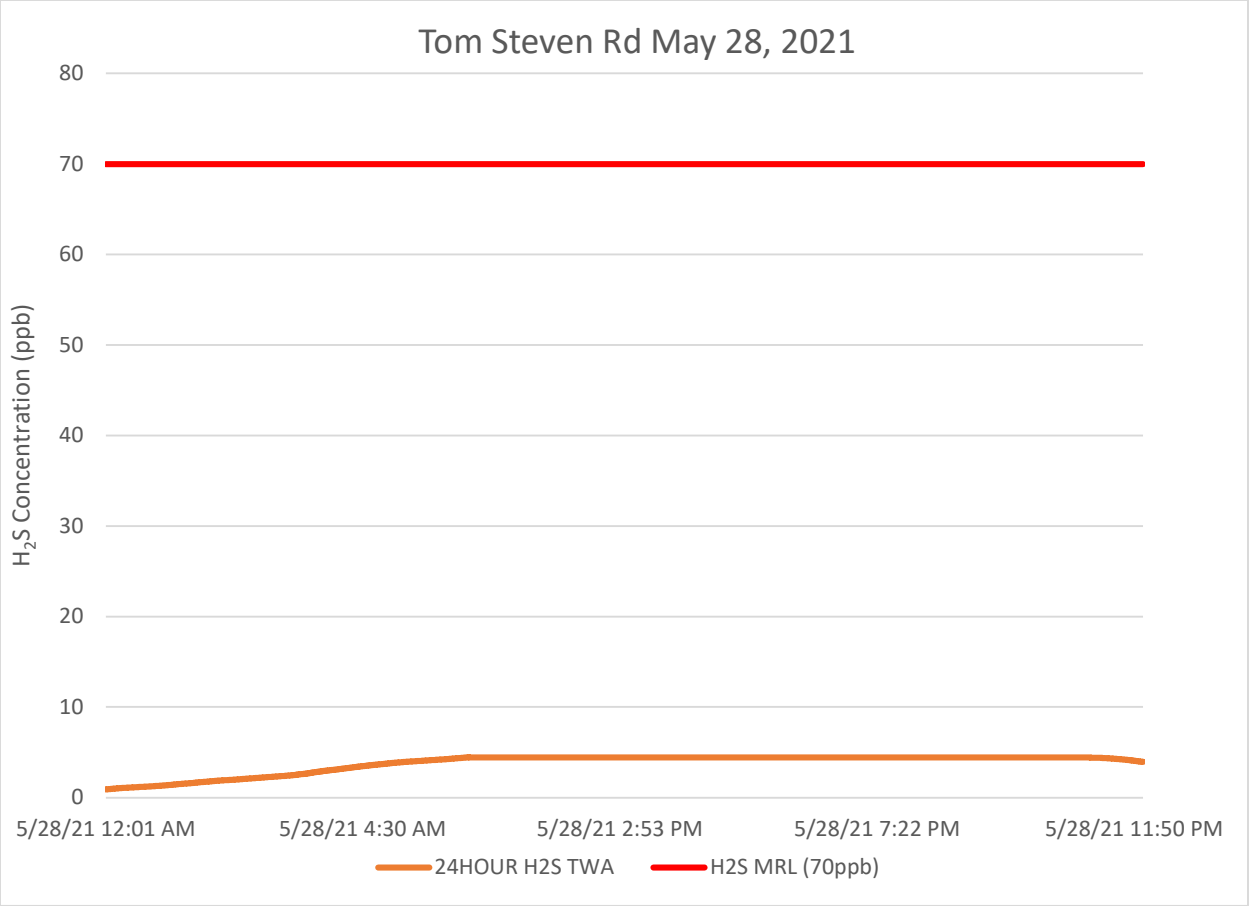
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

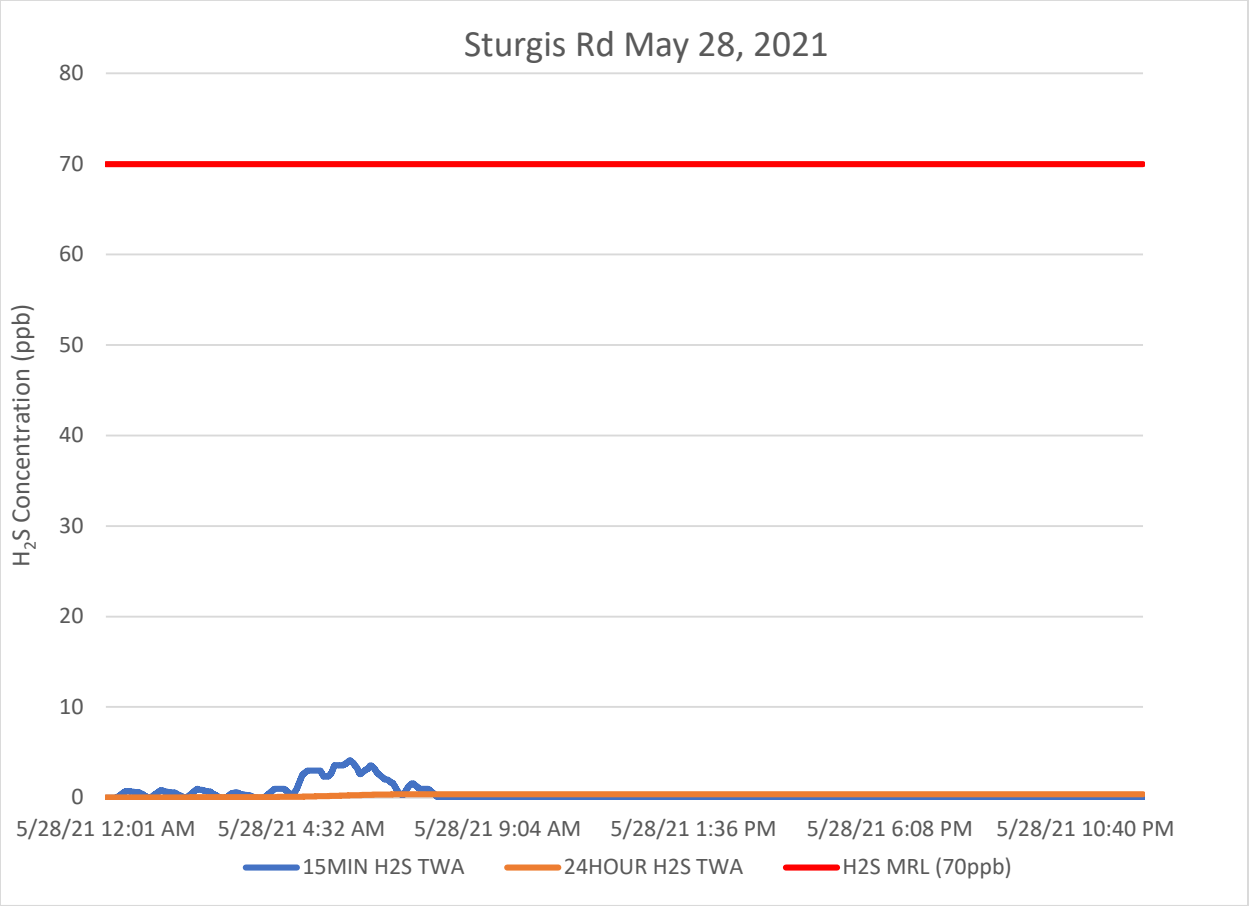
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

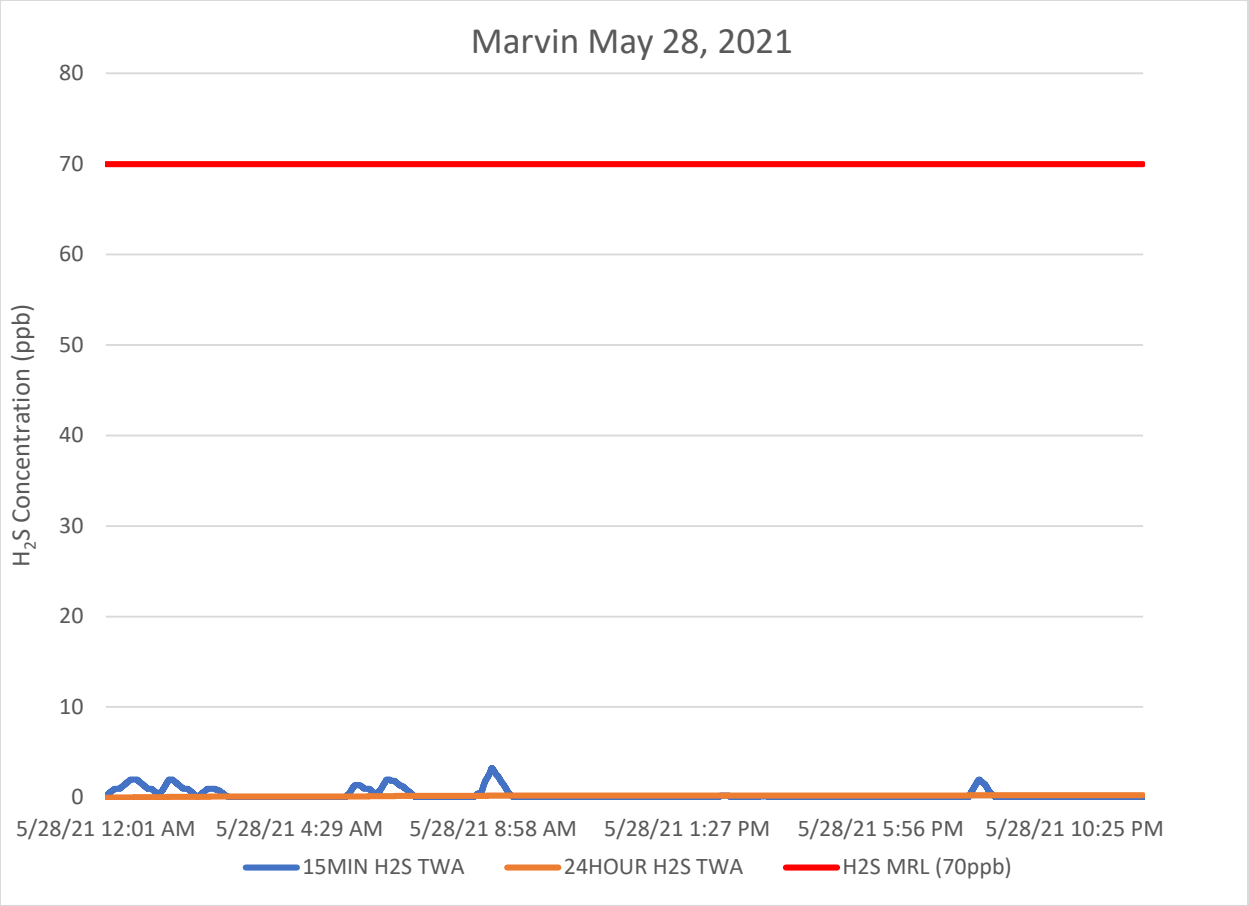
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

*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.



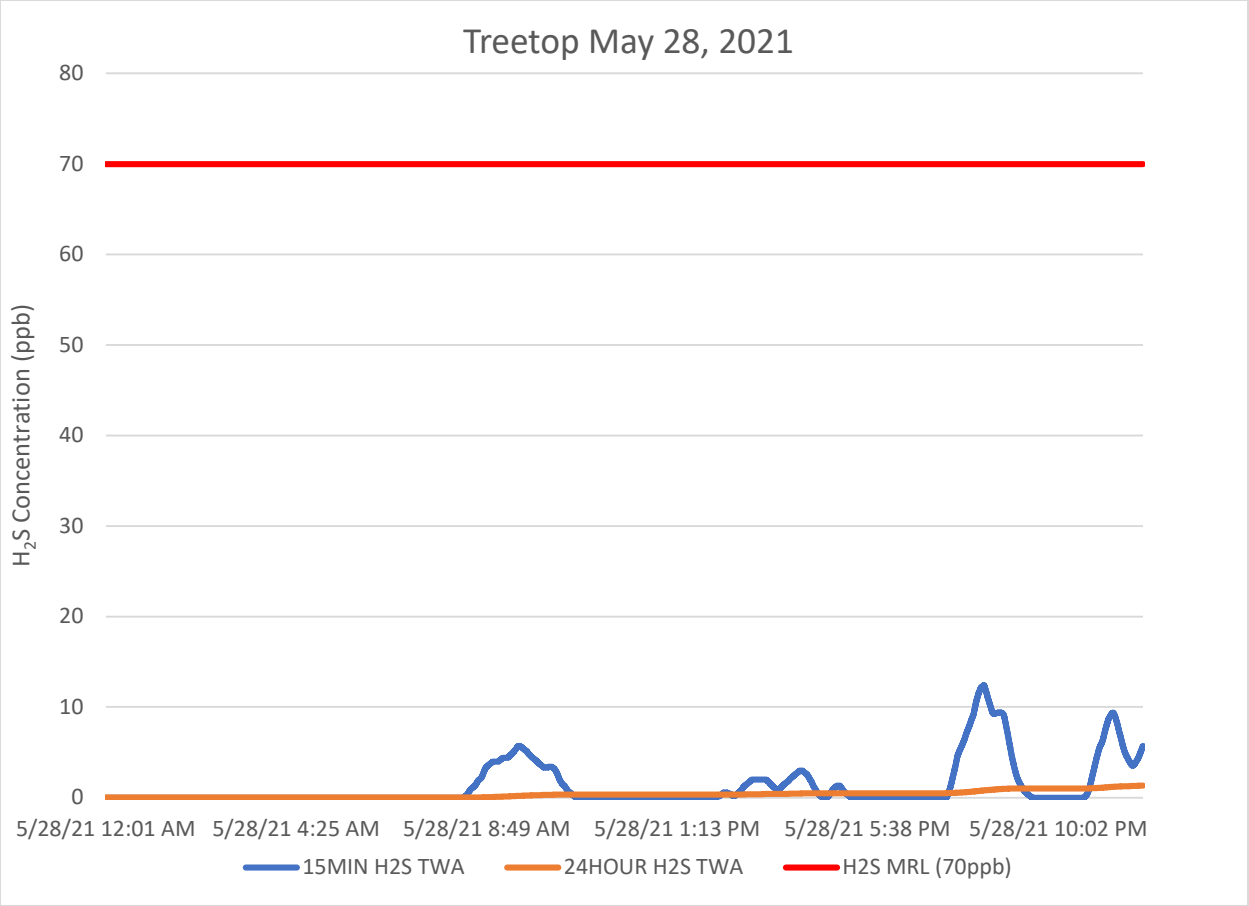
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/29/21 12:01 AM** ***To:*** ***5/29/21 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	54324	0	0 - 0 ppb	0 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	54260	1972	0 - 7 ppb	0.11 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	52008	13404	0 - 7 ppb	0.6 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	53874	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	53790	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	53502	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	52950	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

Treetop

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H2S	No	54454	3470	0 - 6 ppb	0.14 ppb	70 ppb

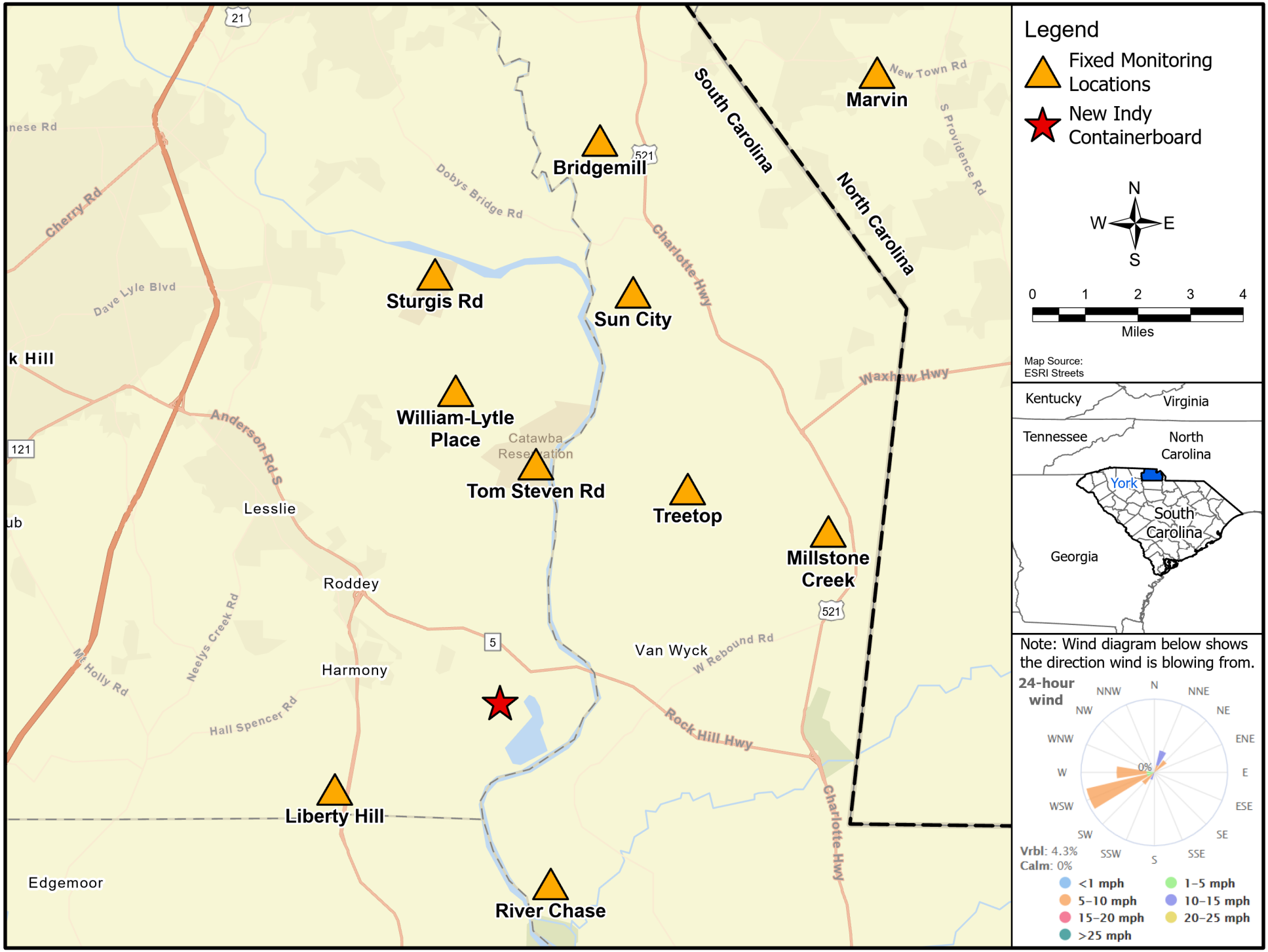
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	48854	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)
H_2S	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



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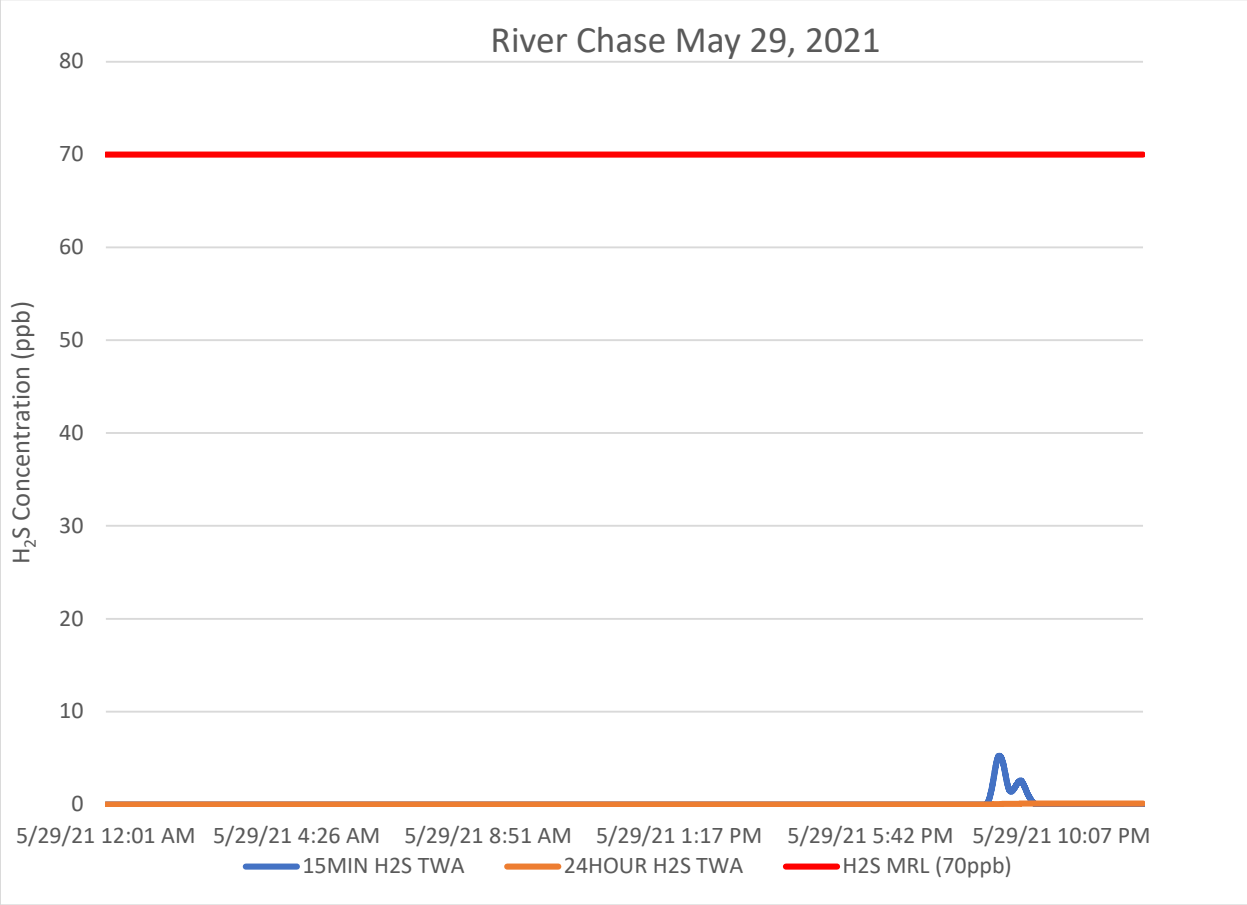
H_2S in South and North Carolina

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.

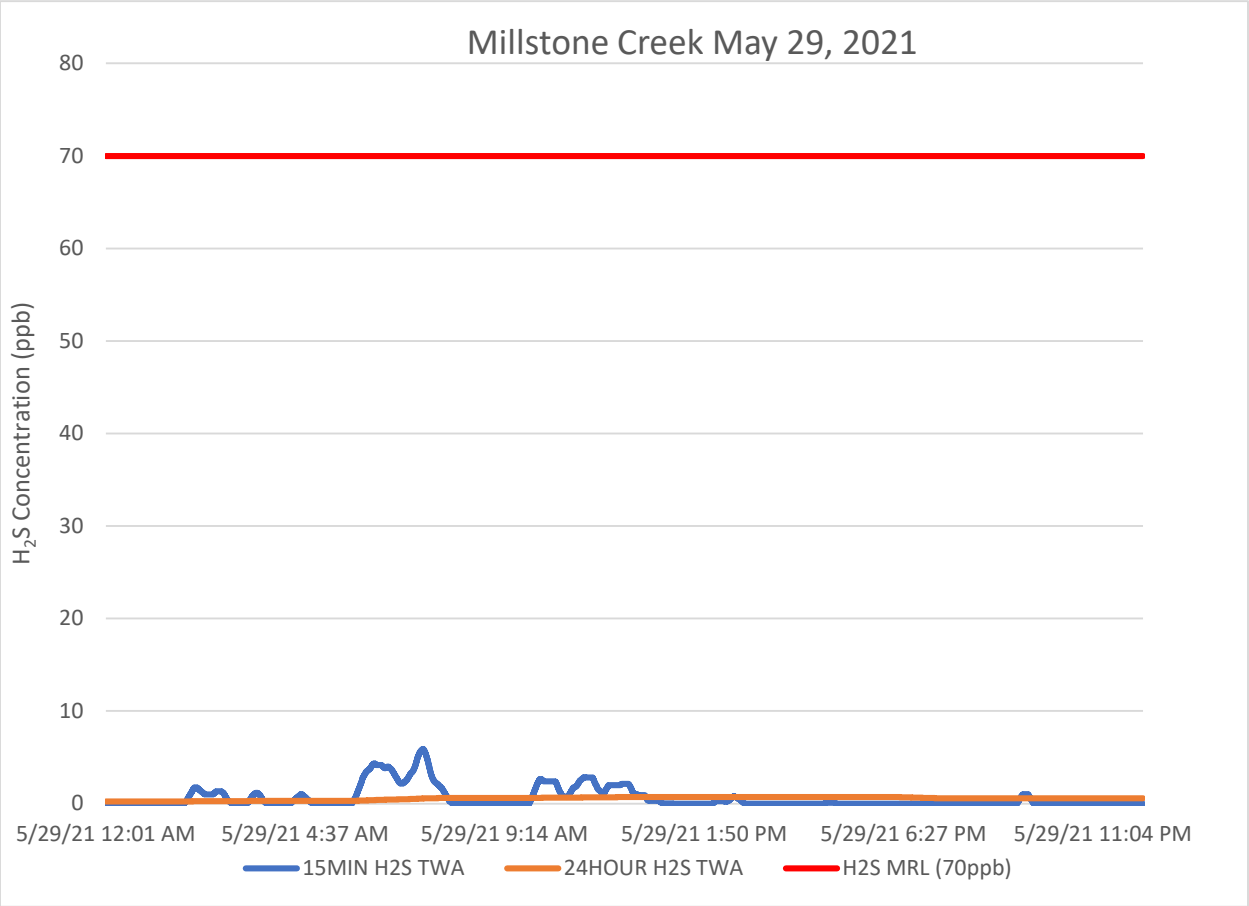
The prevailing wind directions for this reporting period were out of the west-southwest with a smaller percentage out of the west. See wind rose diagram on location figure for full wind data during this reporting period.

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.



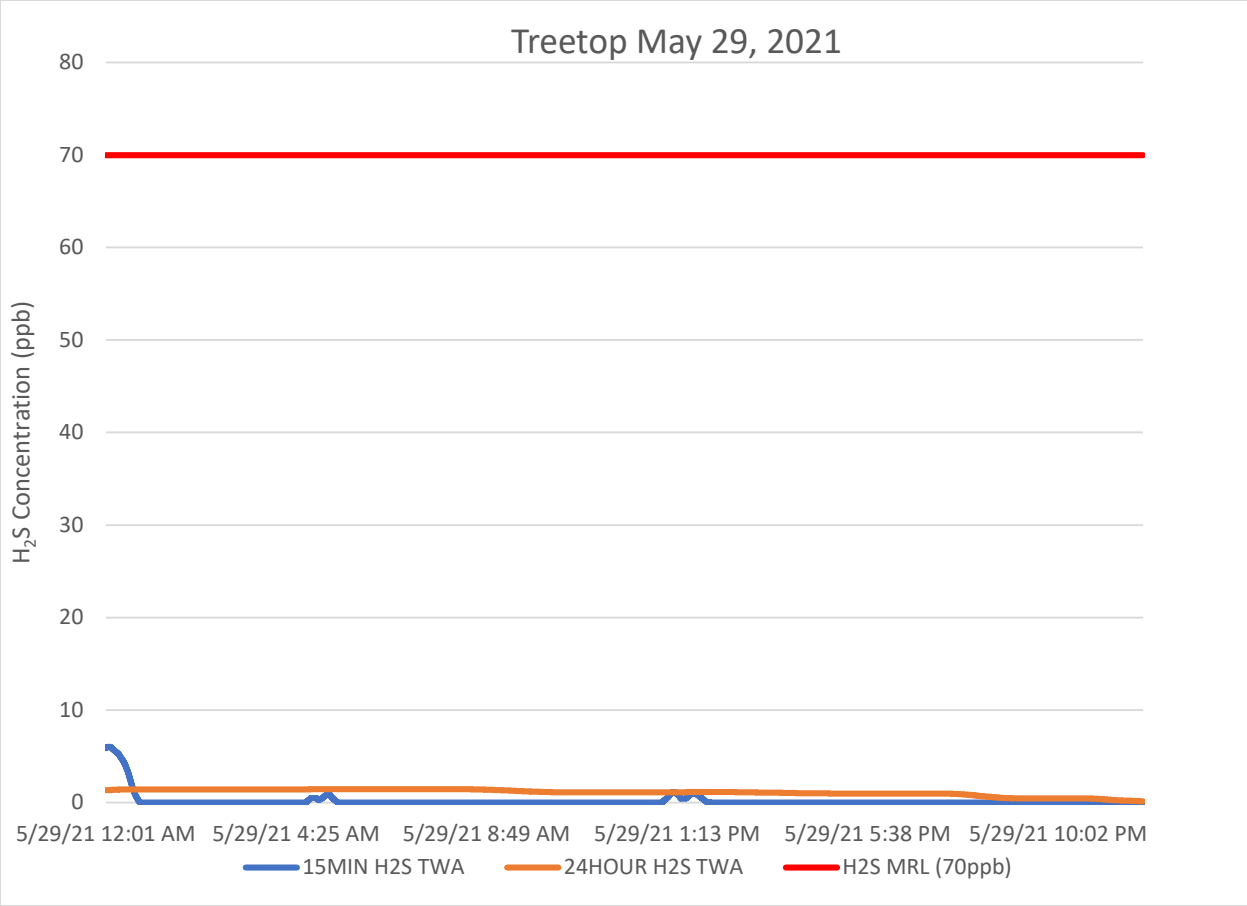
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/30/21 12:01 AM** ***To:*** ***5/30/21 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	54314	0	0 - 0 ppb	0 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	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	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
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	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 8	H2S	No	53556	0	0 - 0 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	54464	0	0 - 0 ppb	0 ppb	70 ppb

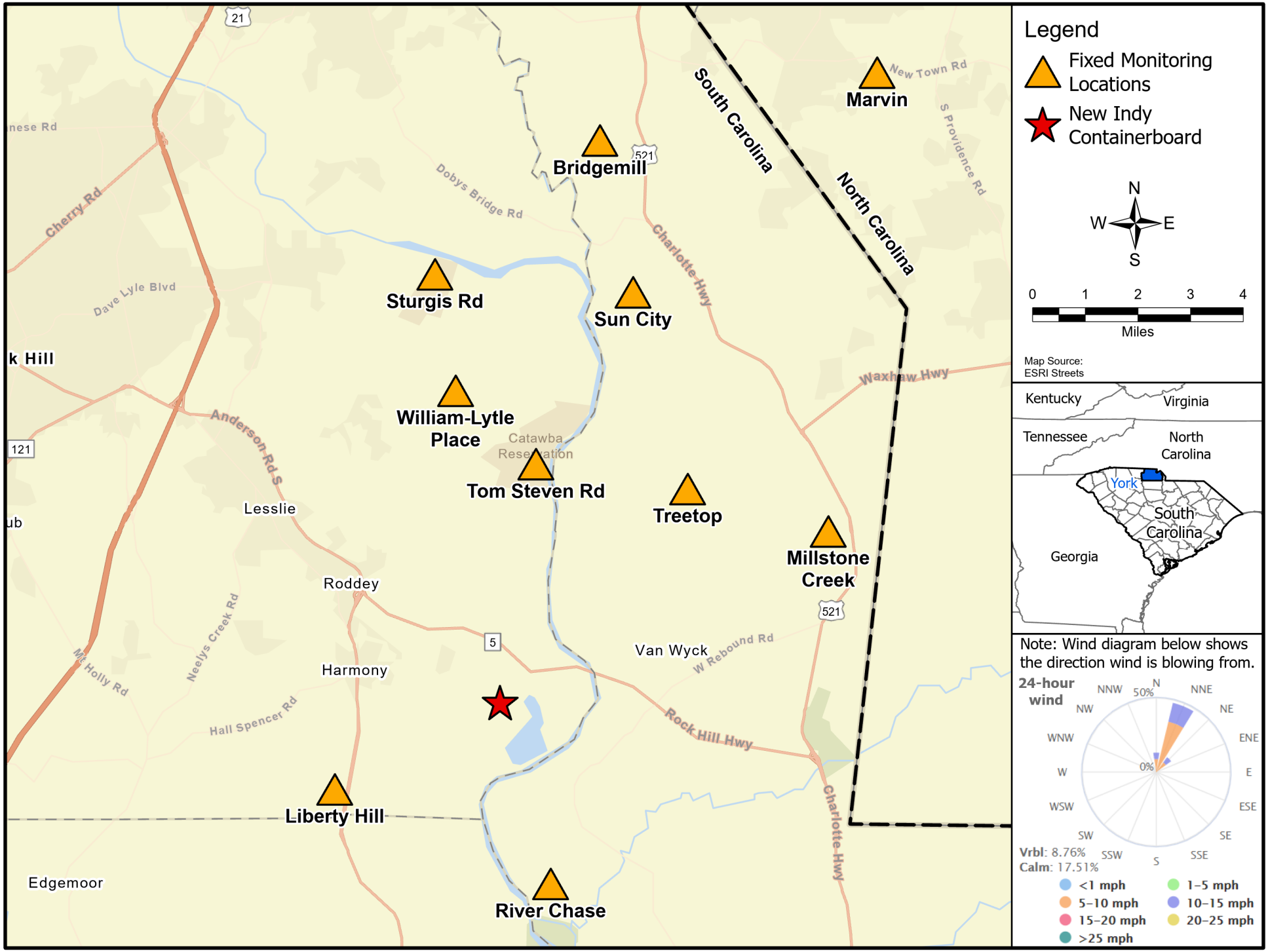
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	52462	118	0 - 1 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)
H_2S	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



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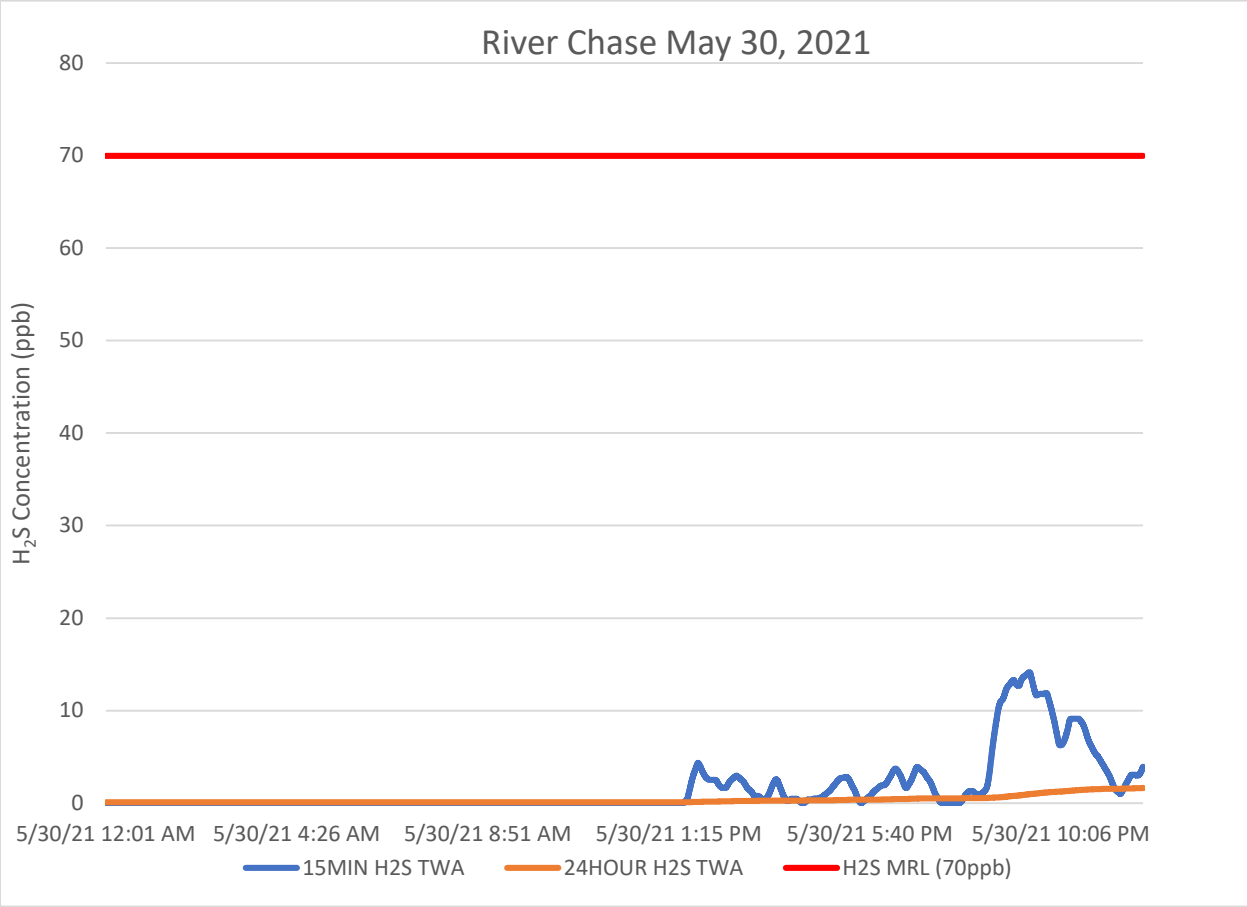
H_2S in South and North Carolina

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.

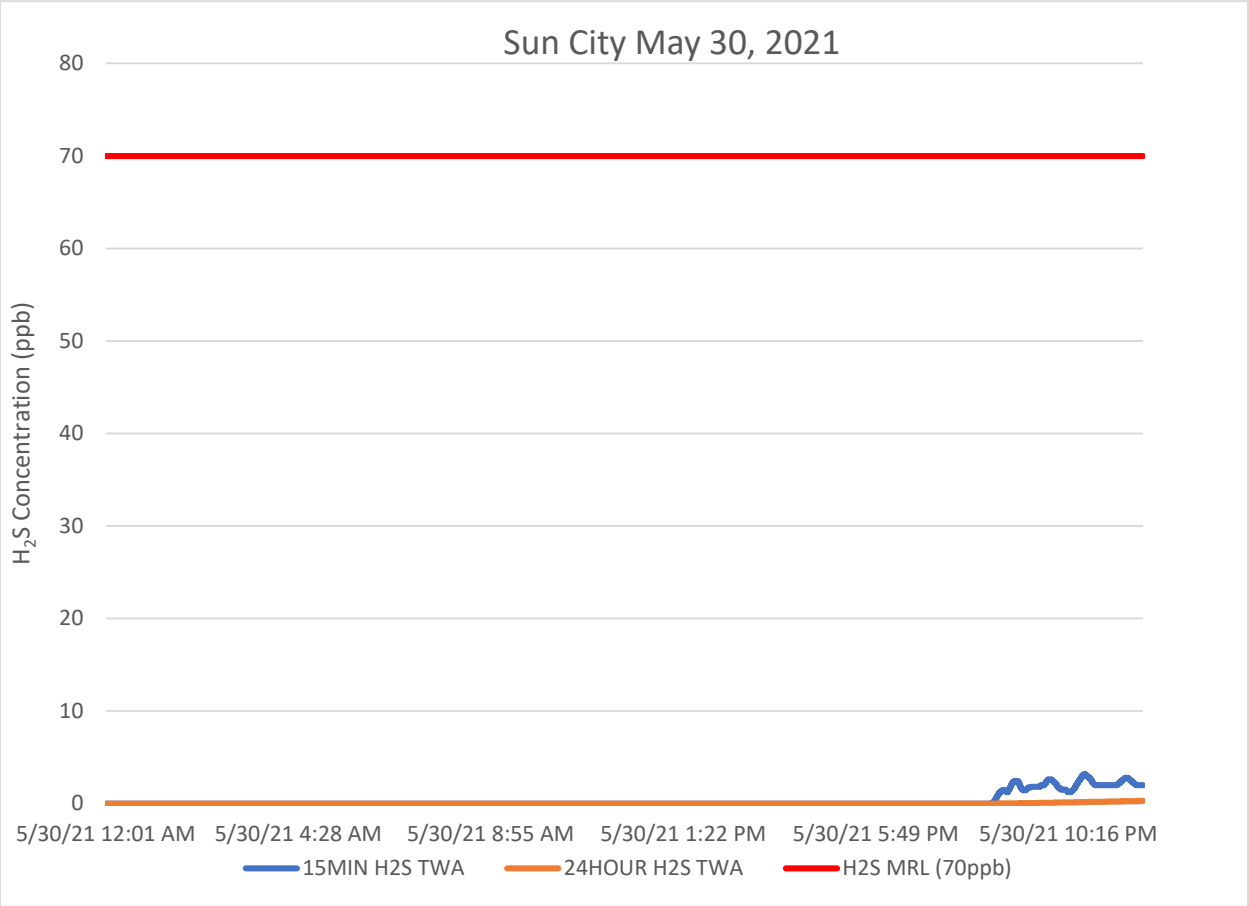
The prevailing wind directions for this reporting period were out of the north-northeast. See wind rose diagram on location figure for full wind data during this reporting period.

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.



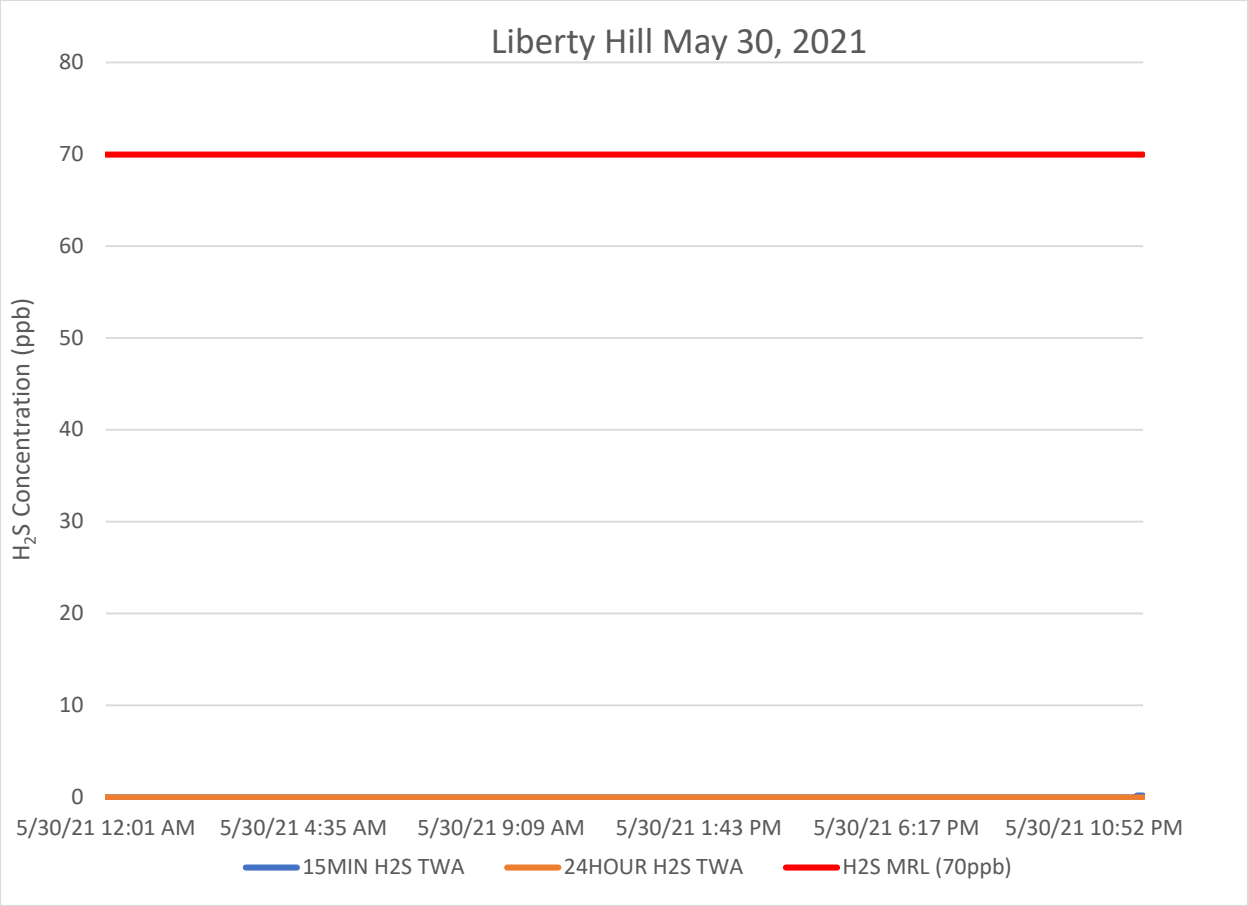
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average

Air Monitoring Summary Tables

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

Project Name: **H_2S in South and North Carolina**

From: **5/31/21 12:01 AM** ***To:*** ***5/31/21 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	54348	7018	0 - 3 ppb	0.23 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	54244	37362	0 - 38 ppb	3.88 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	52096	2418	0 - 23 ppb	0.6 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	53770	9596	0 - 13 ppb	1.08 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	53612	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	54138	6854	0 - 2 ppb	0.18 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	52944	16	0 - 1 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	53496	0	0 - 0 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	54492	0	0 - 0 ppb	0 ppb	70 ppb

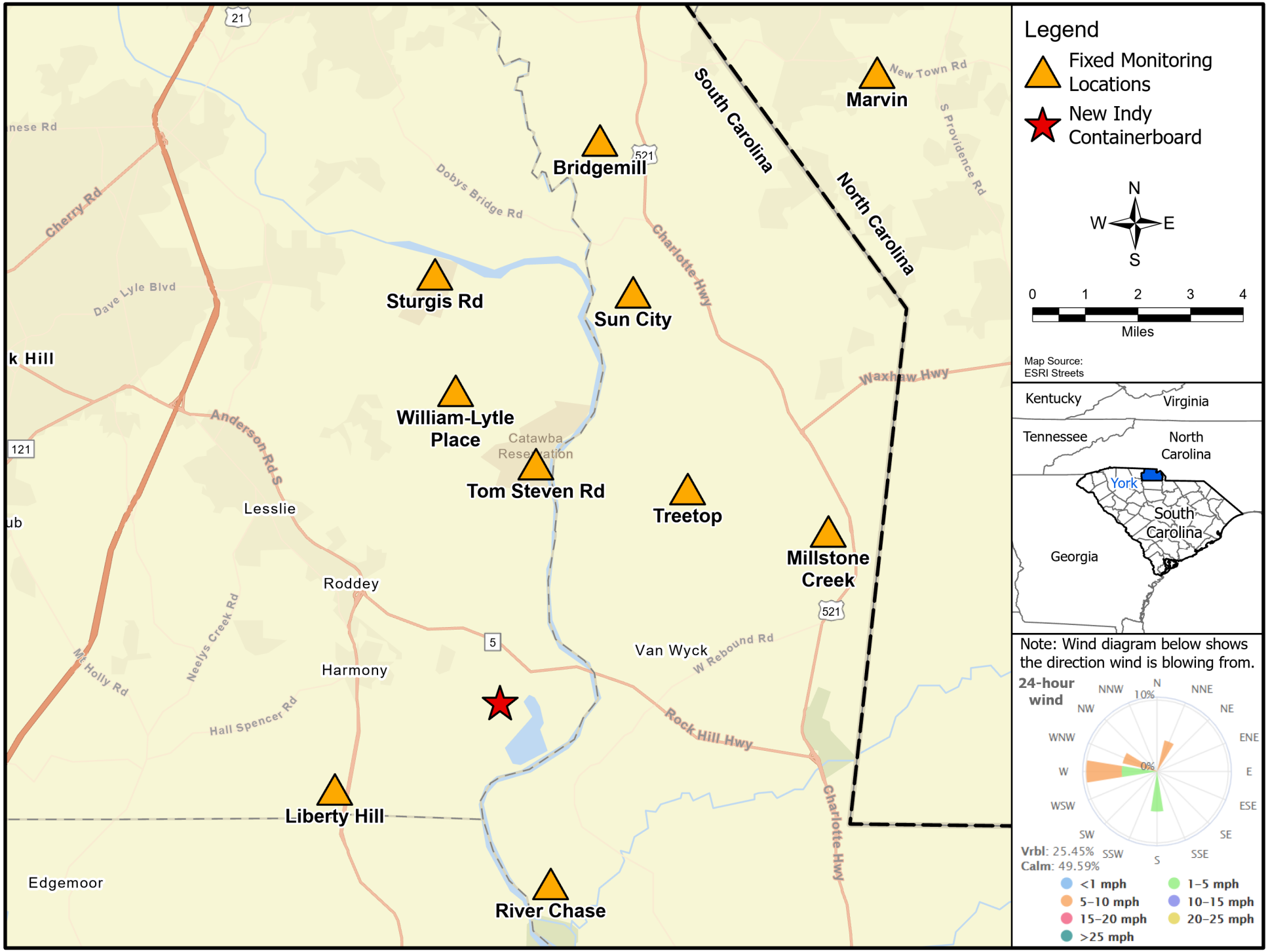
Liberty Hill

Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H2S	No	49375	23387	0 - 10 ppb	0.98 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)
H_2S	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



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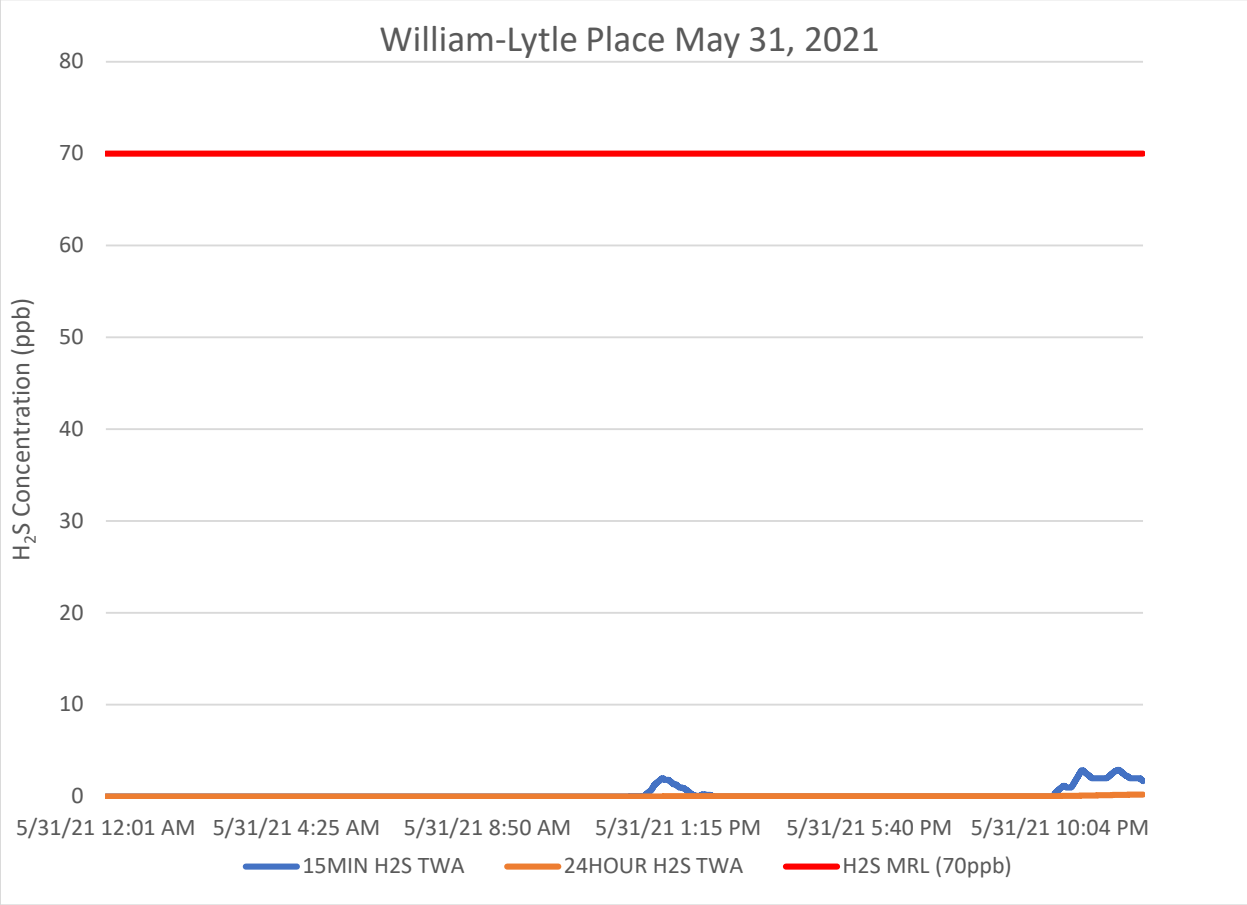
H_2S in South and North Carolina

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.

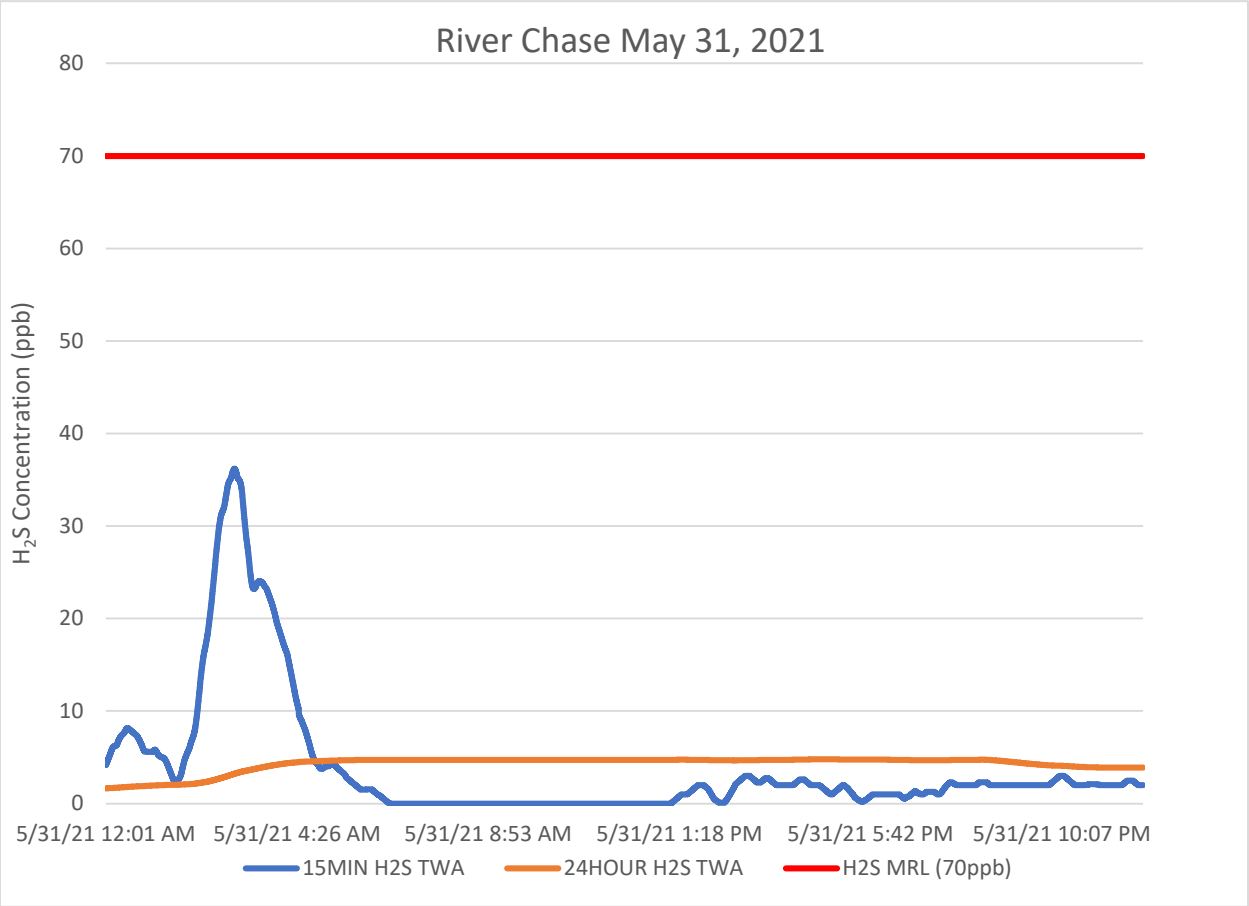
The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the west with smaller percentages out of the north-northeast, west-northwest, and south. See wind rose diagram on location figure for full wind data during this reporting period.

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



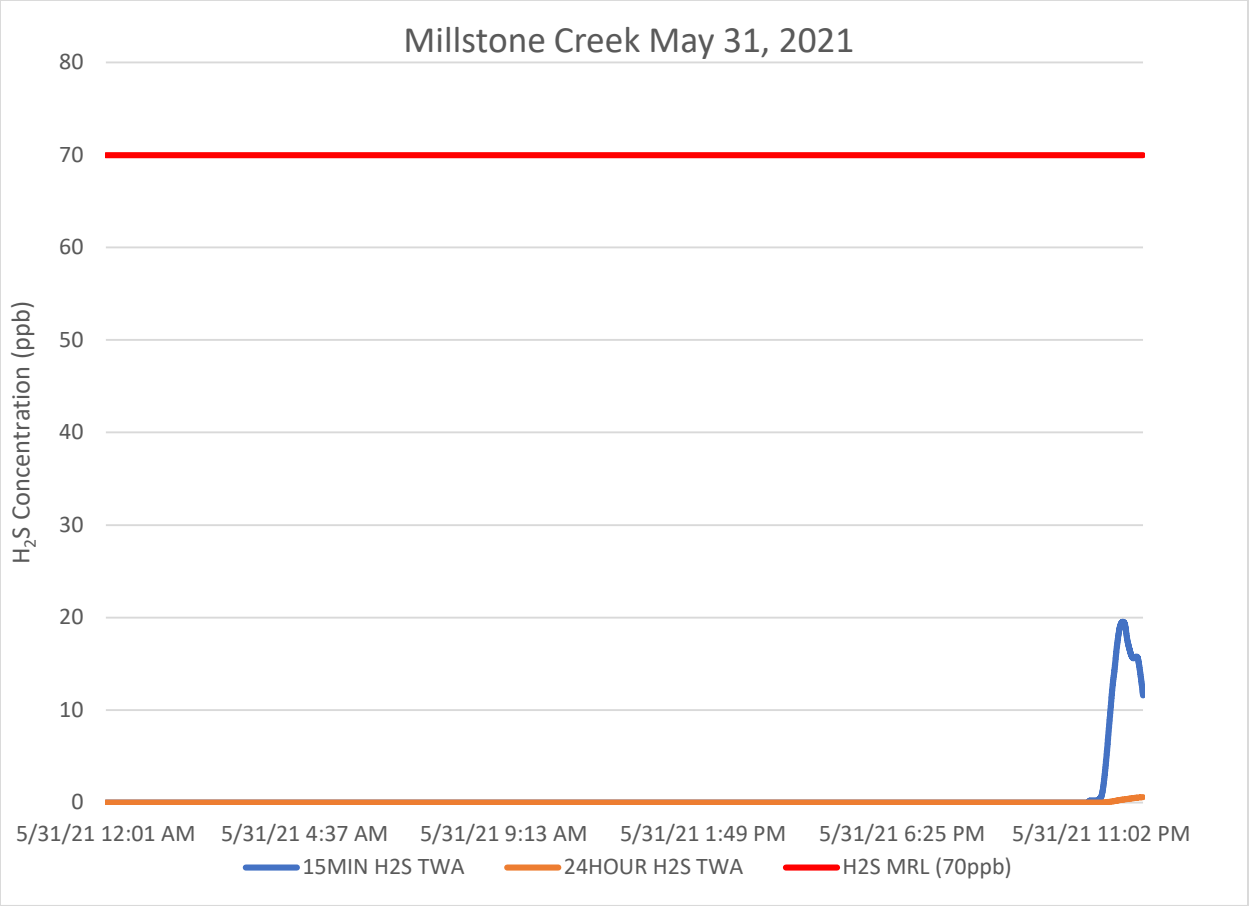
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



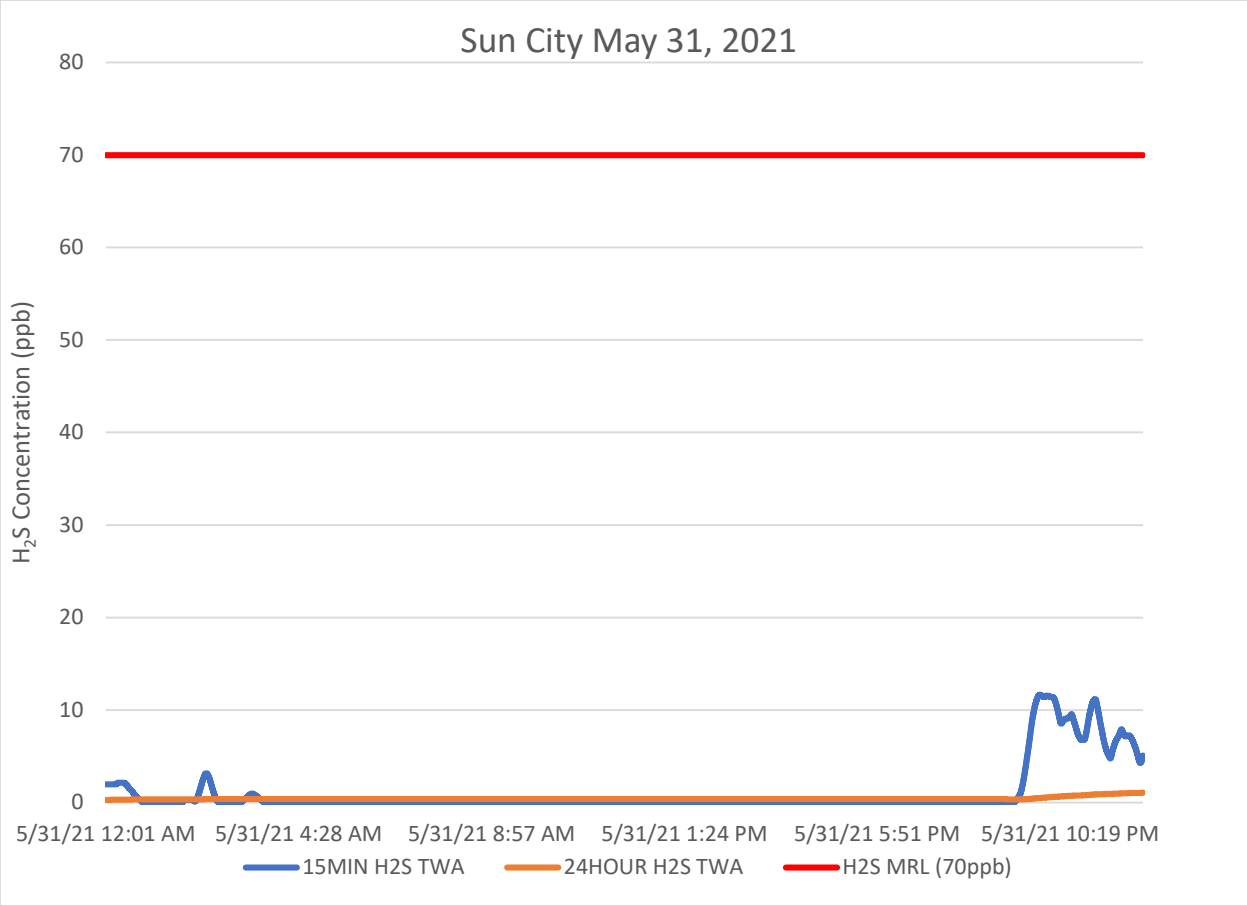
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



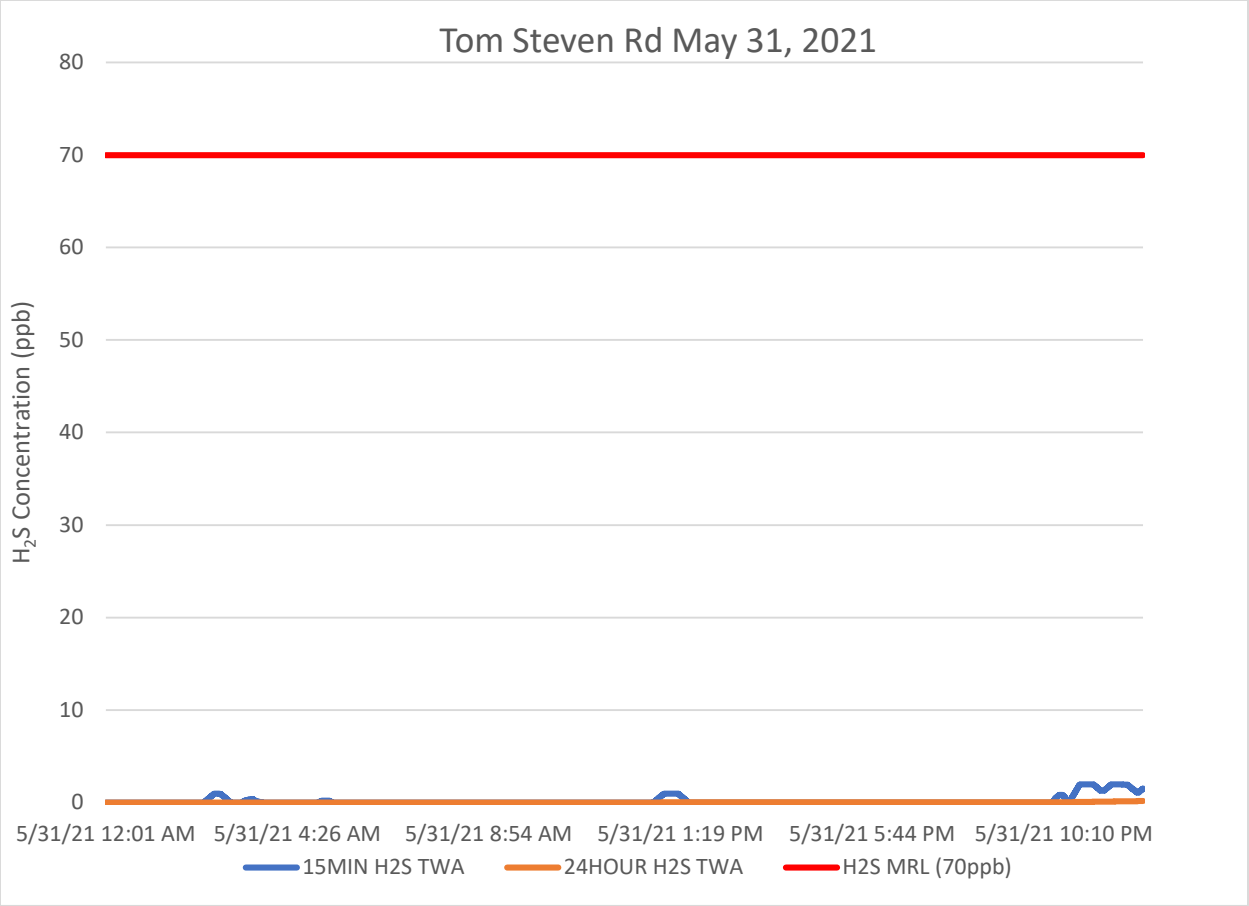
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



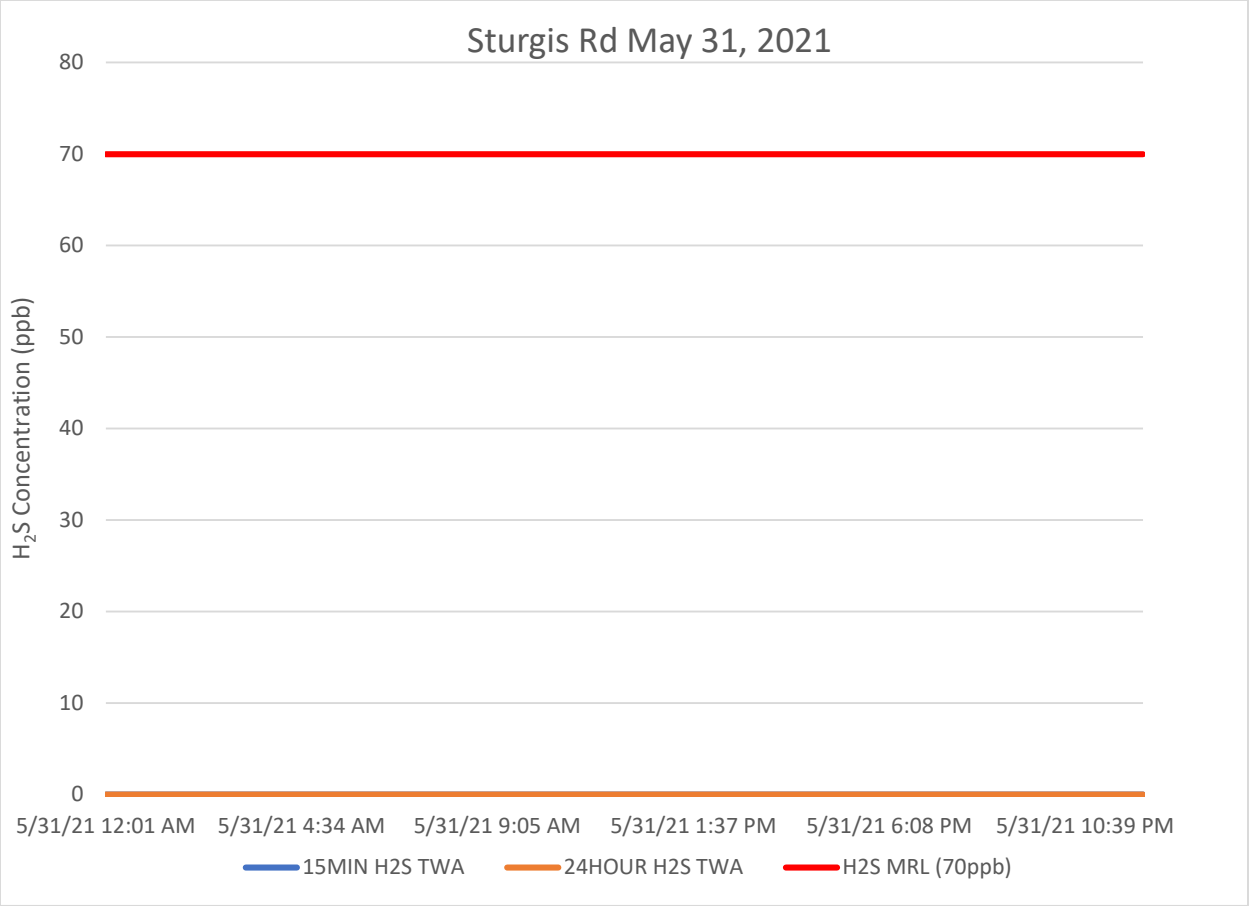
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



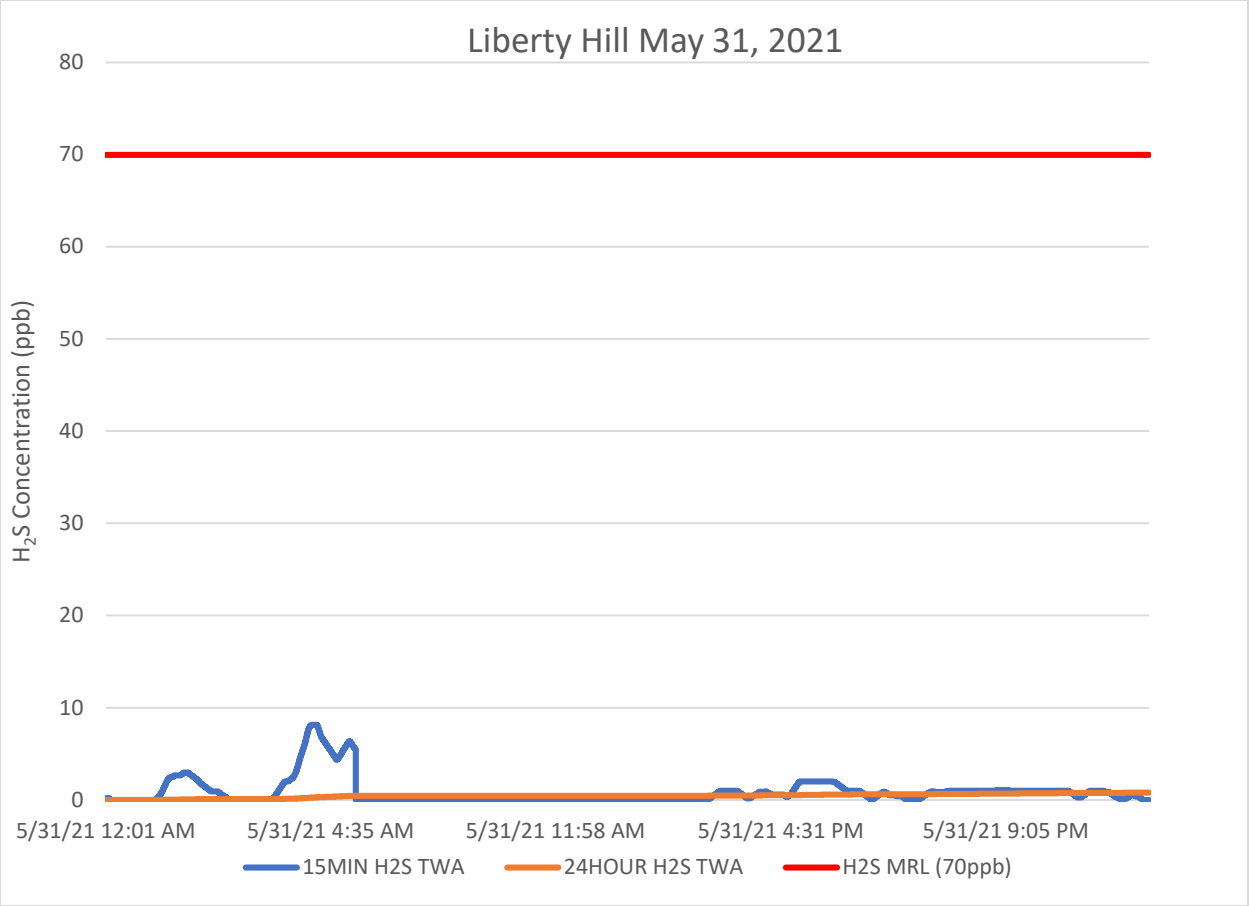
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



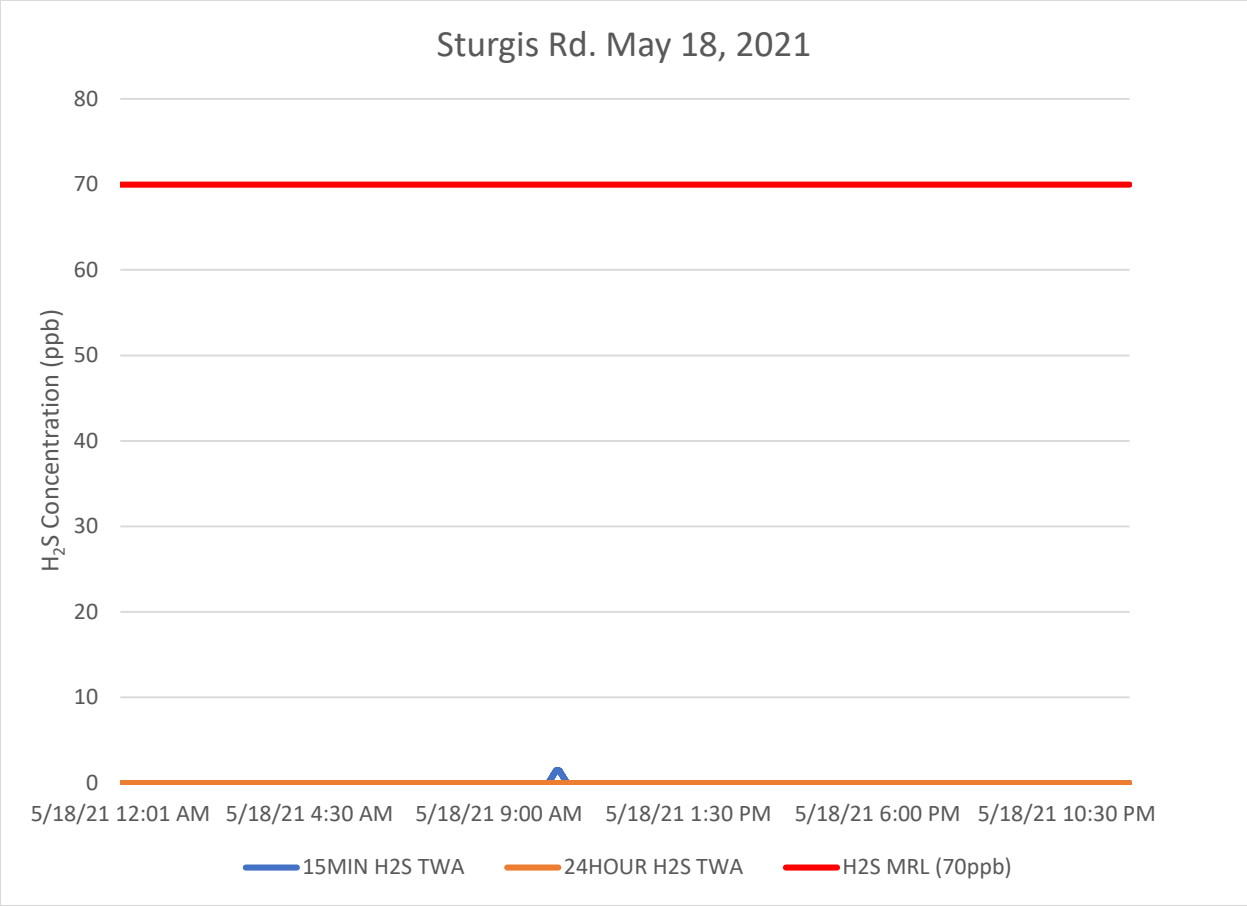
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



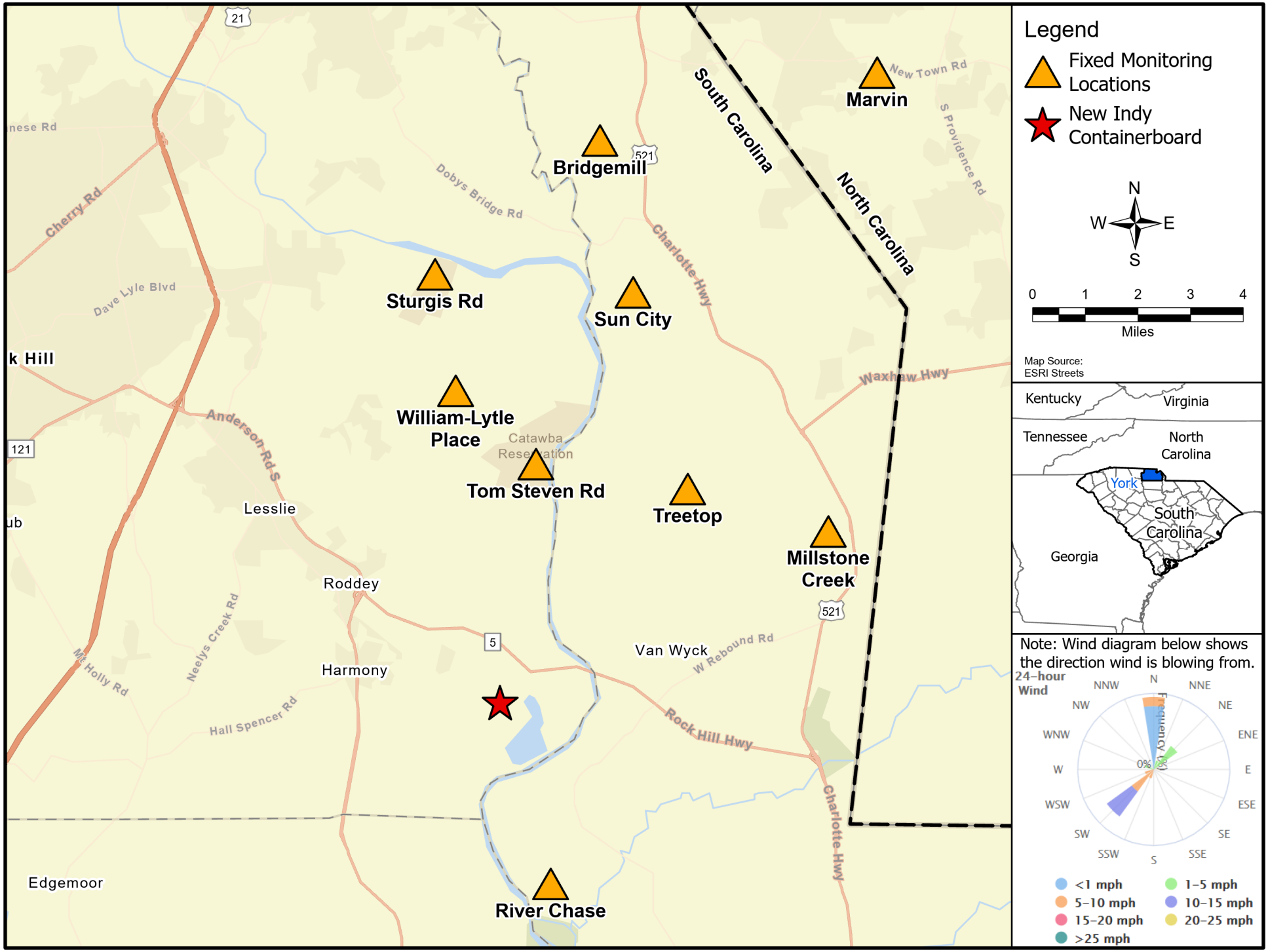
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



File: C:\Users\greg.docekal\Documents\ArcGIS\Projects\York_H2S_Figures\York_H2S_Figures.aprx

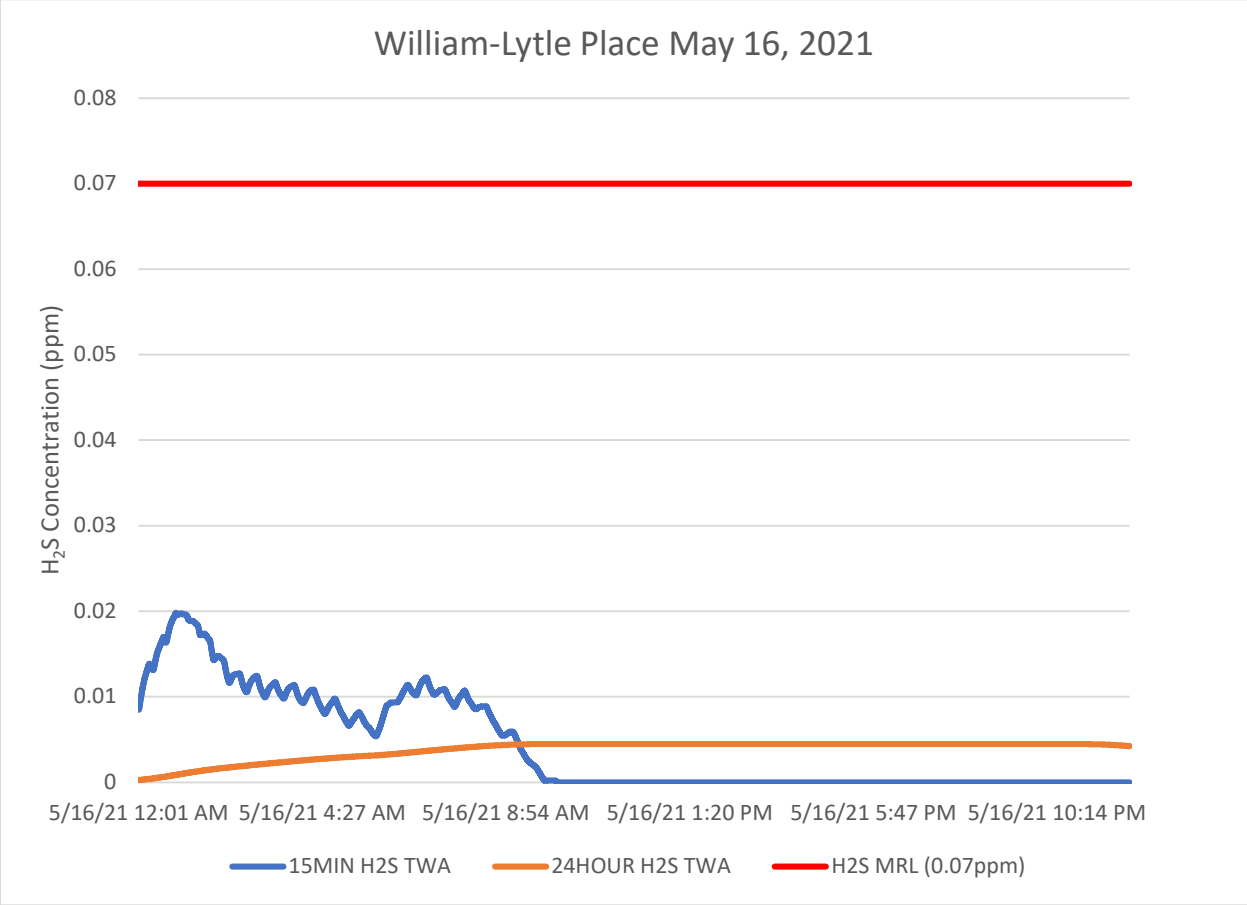
H_2S in South and North Carolina

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.

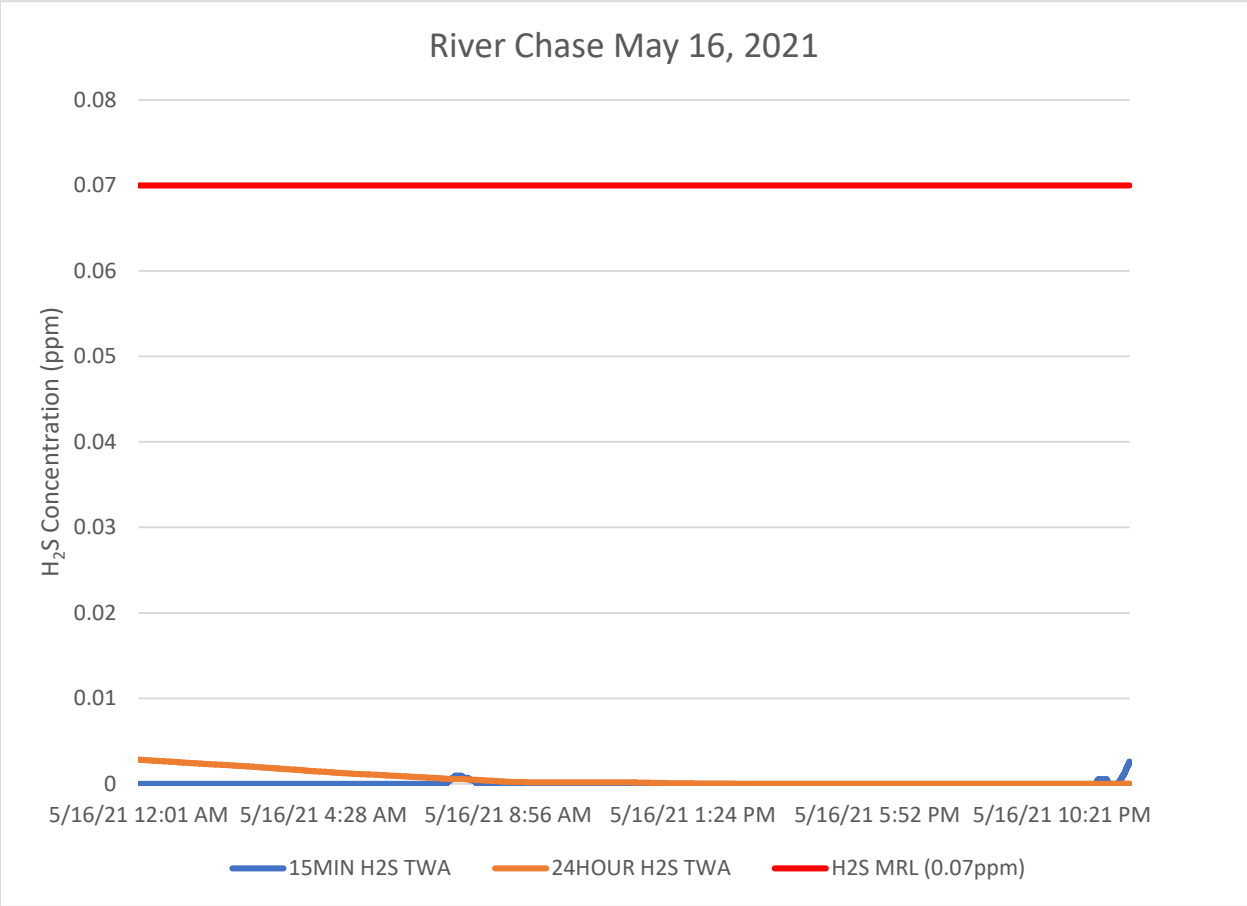
The prevailing wind directions for this reporting period started the period out of the southwest and later switched to being out of the north and northeast. See wind rose diagram on location figure for full wind data during this reporting period.

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



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppm – Parts per million
TWA – Time weighted average



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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ppm – Parts per million
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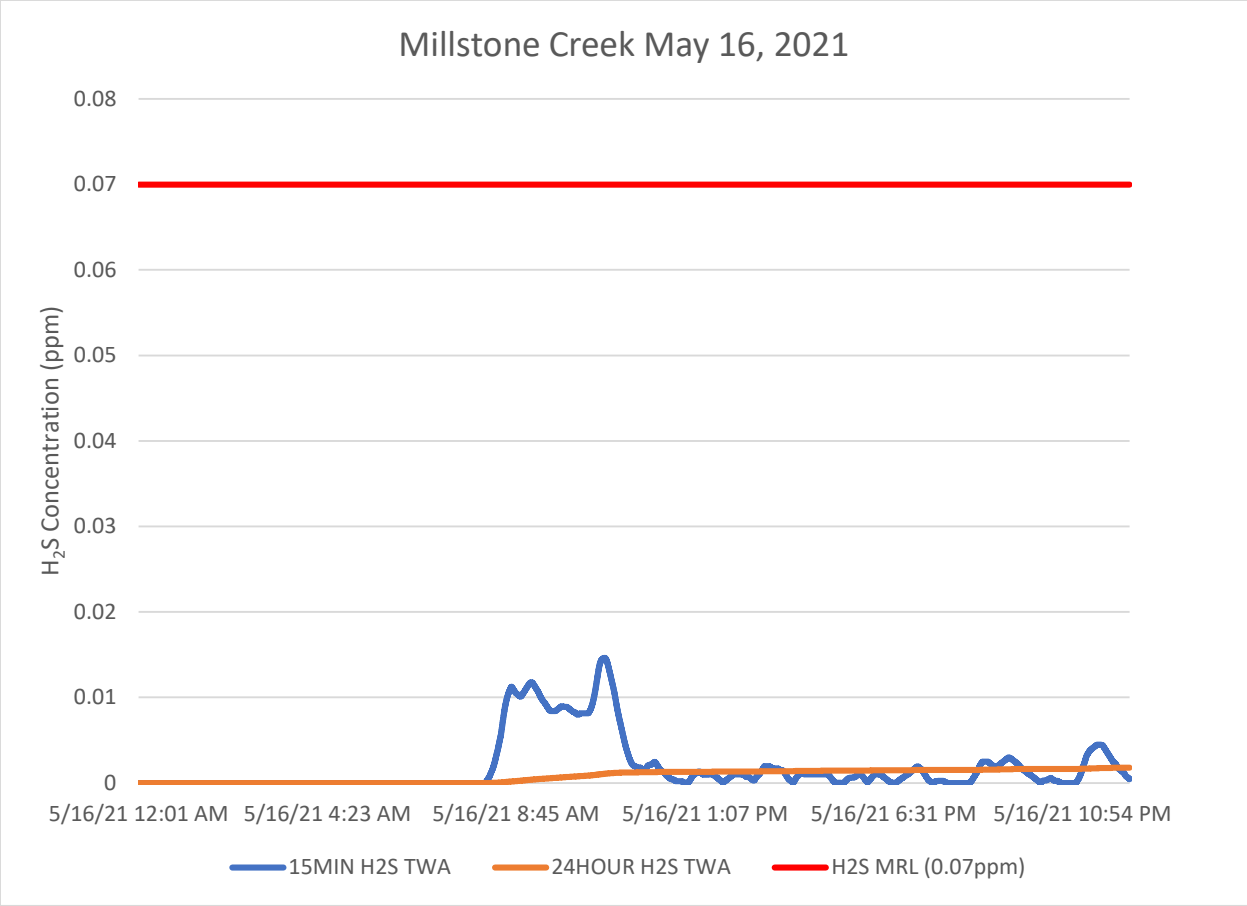

Notes:

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MIN – Minute
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ppm – Parts per million
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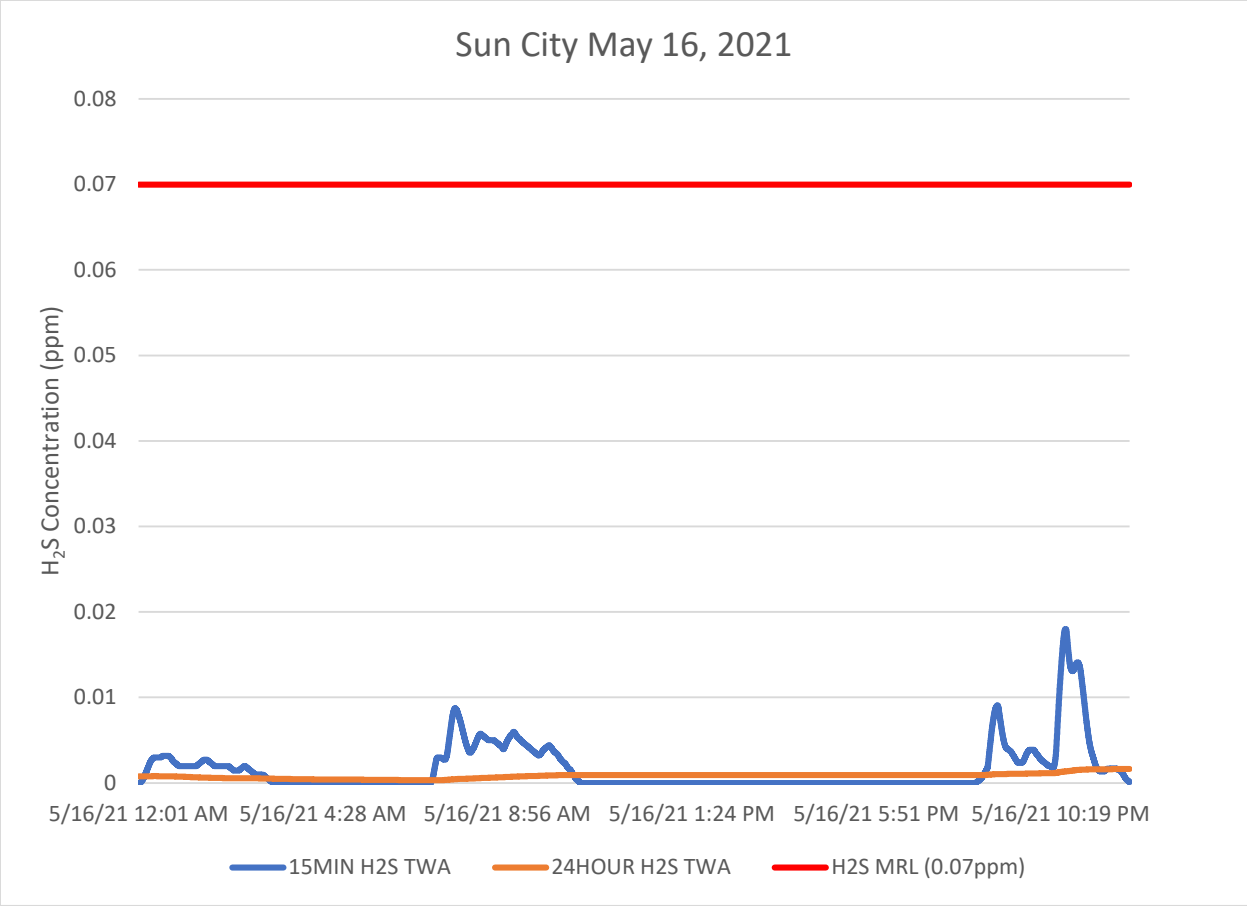

Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
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ppm – Parts per million
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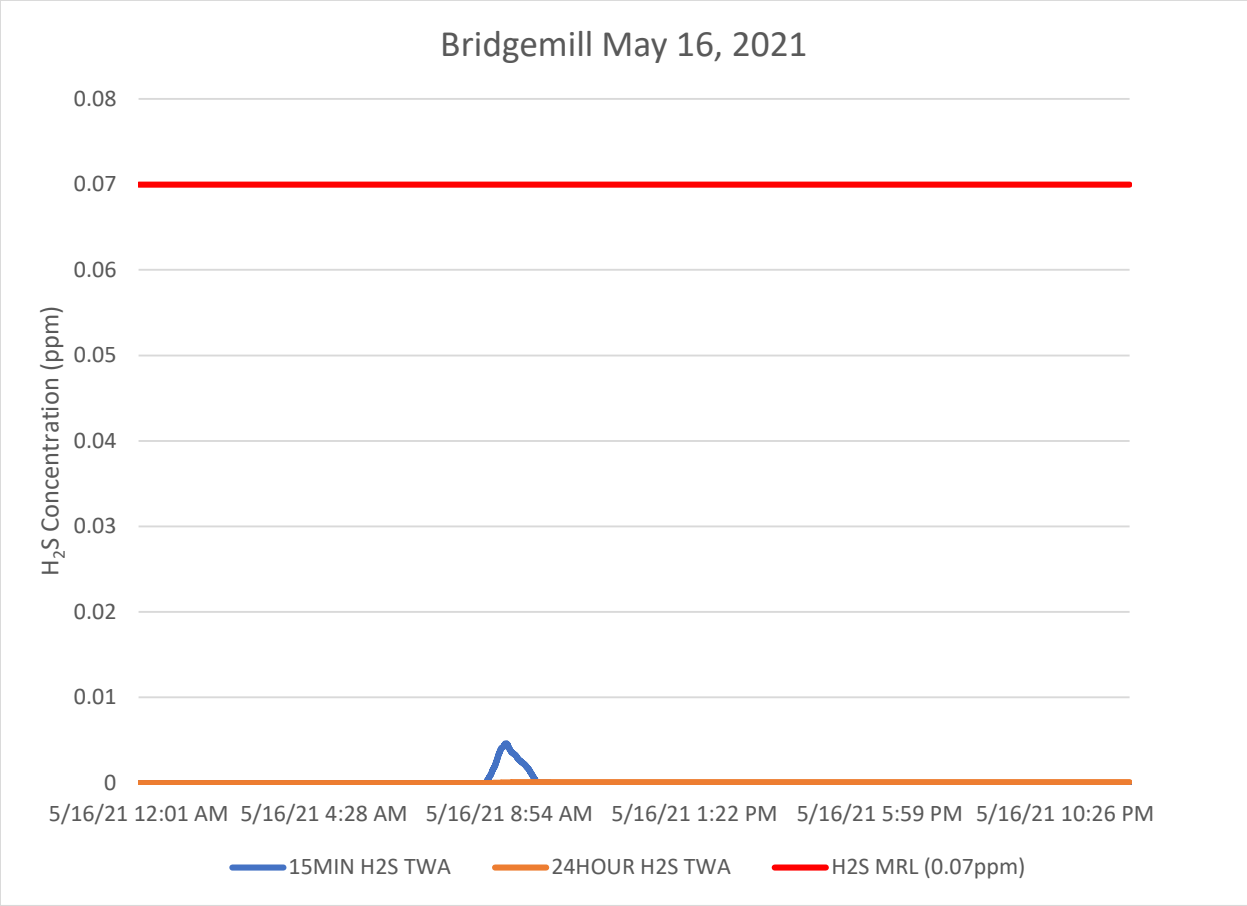

Notes:

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ppm – Parts per million
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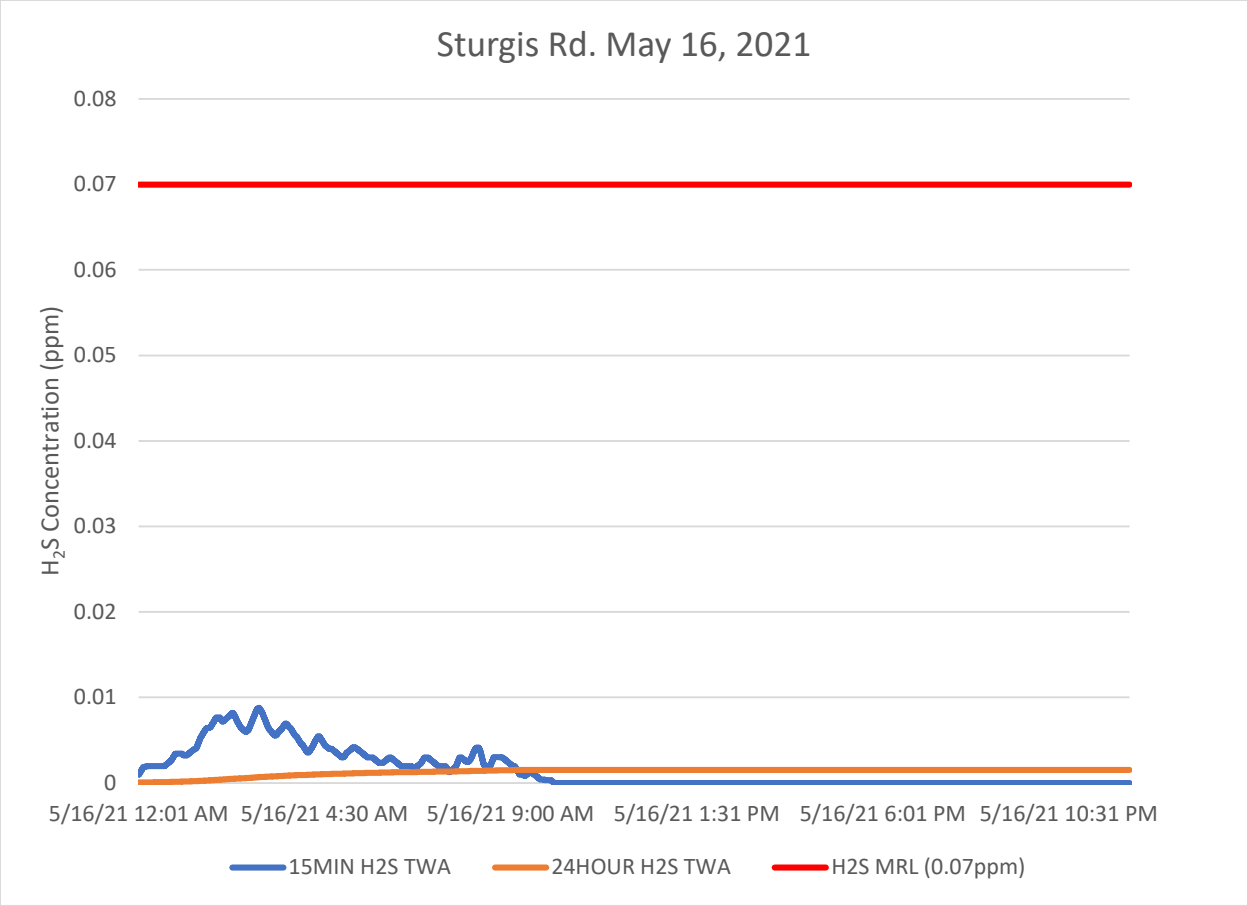

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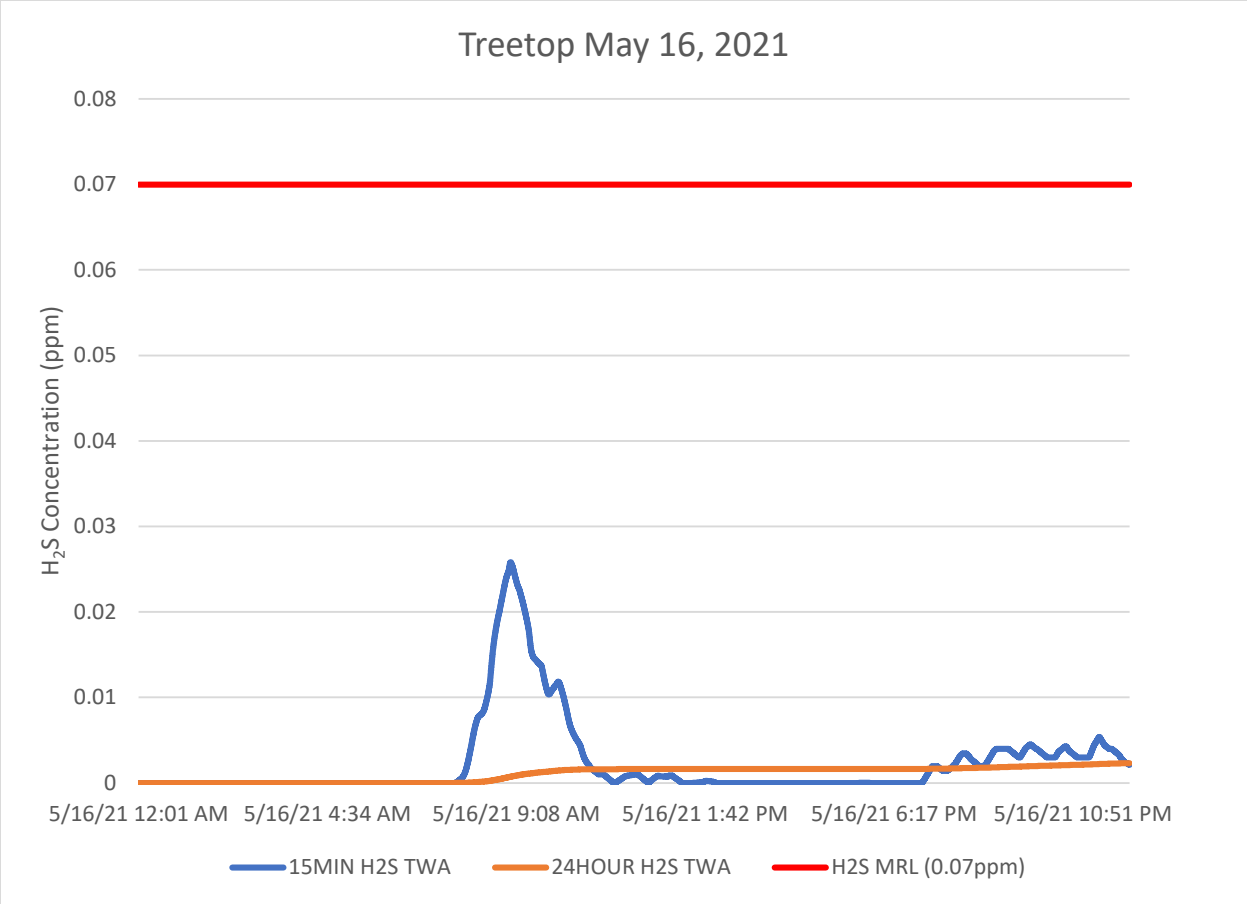

Notes:

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