

# Air Monitoring Summary Tables

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

**Project Name:** H<sub>2</sub>S in South and North Carolina

**From:** 6/6/21  
12:01 AM

**To:** 6/6/21  
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	H <sub>2</sub> S	No	54232	3502	0 - 11 ppb	0.32 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	H <sub>2</sub> S	No	53718	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	H <sub>2</sub> S	No	52152	340	0 - 3 ppb	0.01 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	H <sub>2</sub> S	No	53858	20826	0 - 10 ppb	1.1 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H <sub>2</sub> S	No	52344	6618	0 - 2 ppb	0.16 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	H <sub>2</sub> S	No	52032	19456	0 - 21 ppb	2.23 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	H <sub>2</sub> S	No	53090	2404	0 - 7 ppb	0.2 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H <sub>2</sub> S	No	53626	3528	0 - 1 ppb	0.07 ppb	70 ppb

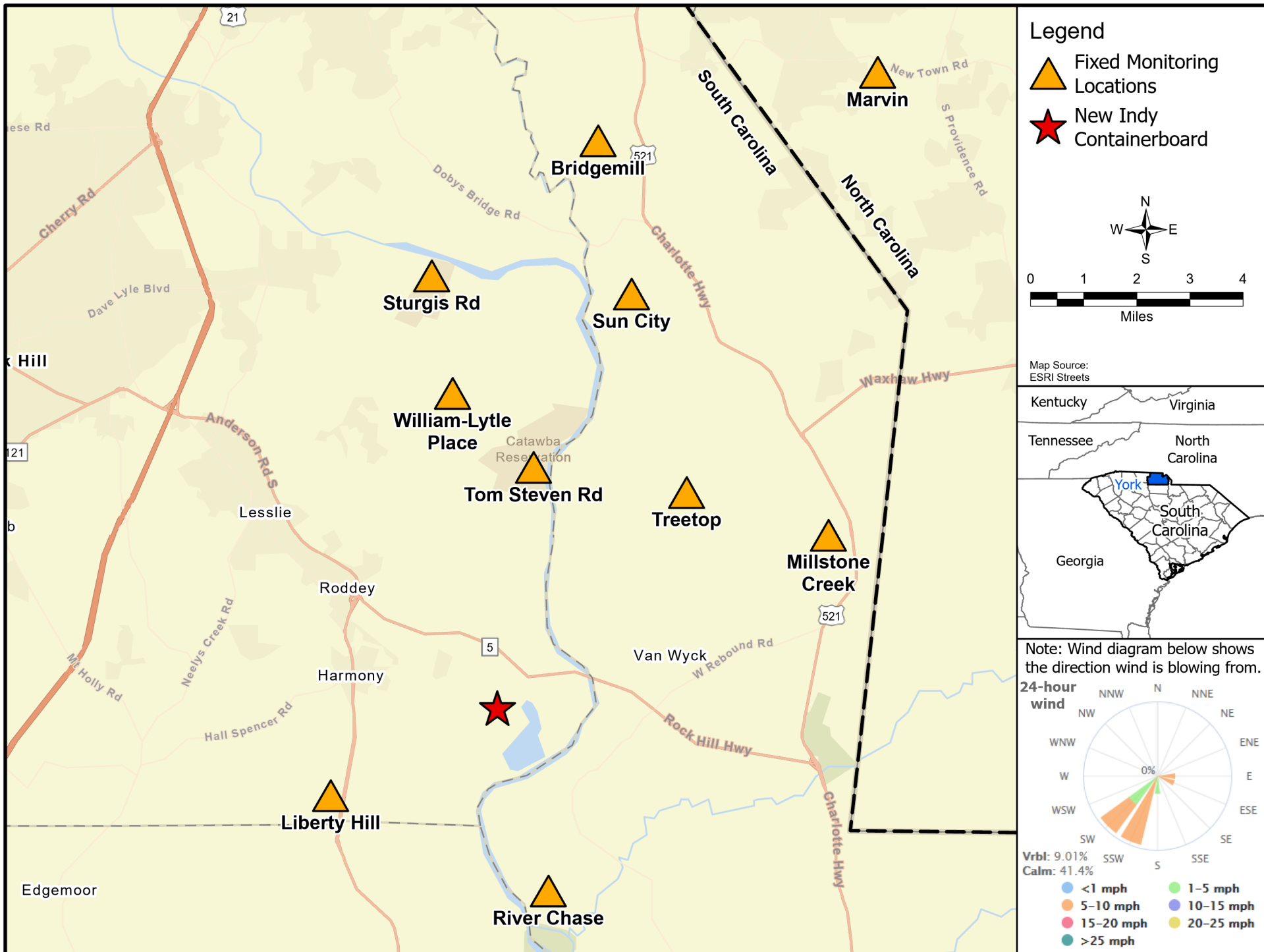
Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H <sub>2</sub> S	No	54462	5602	0 - 2 ppb	0.13 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H <sub>2</sub> S	No	52870	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 <sub>2</sub> S	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



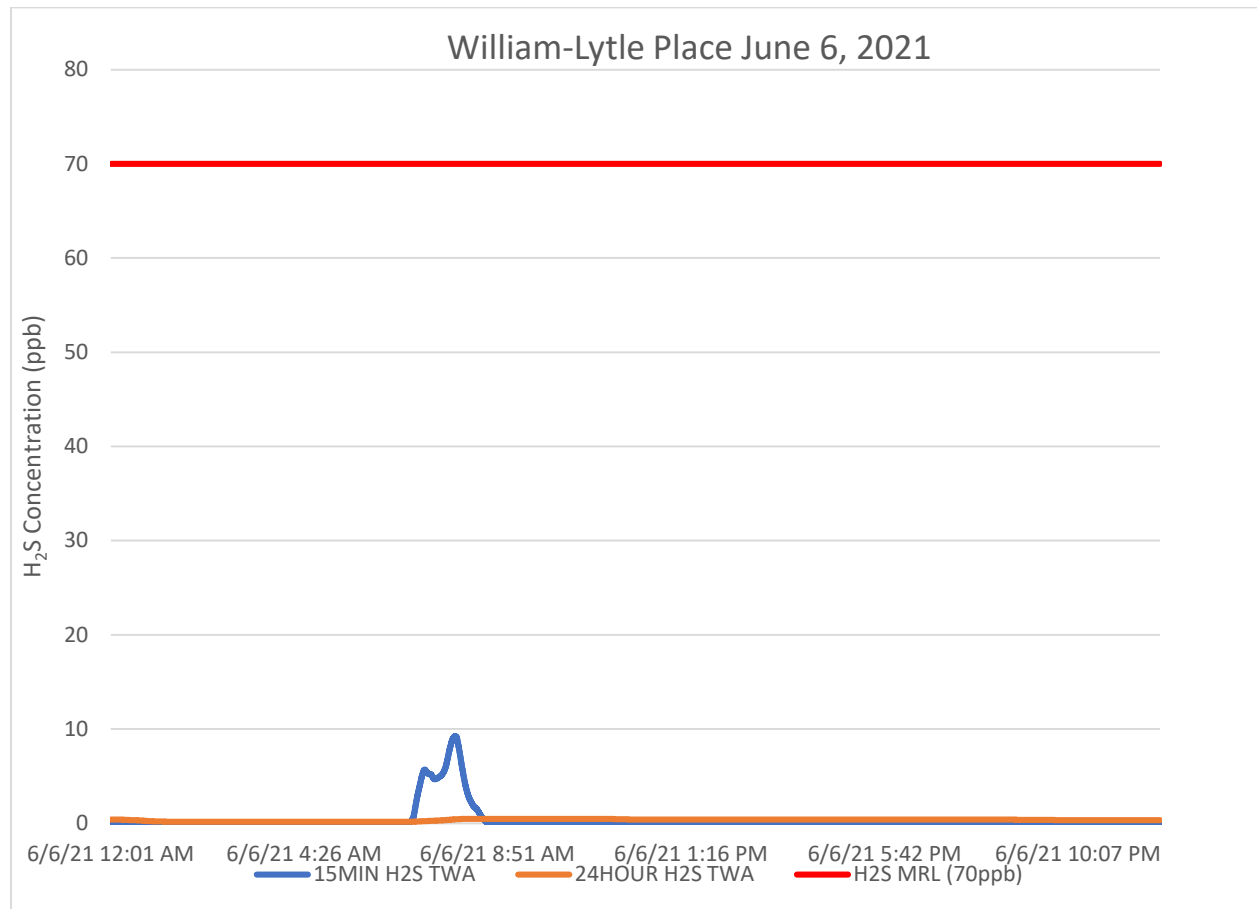
# H<sub>2</sub>S in South and North Carolina

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

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

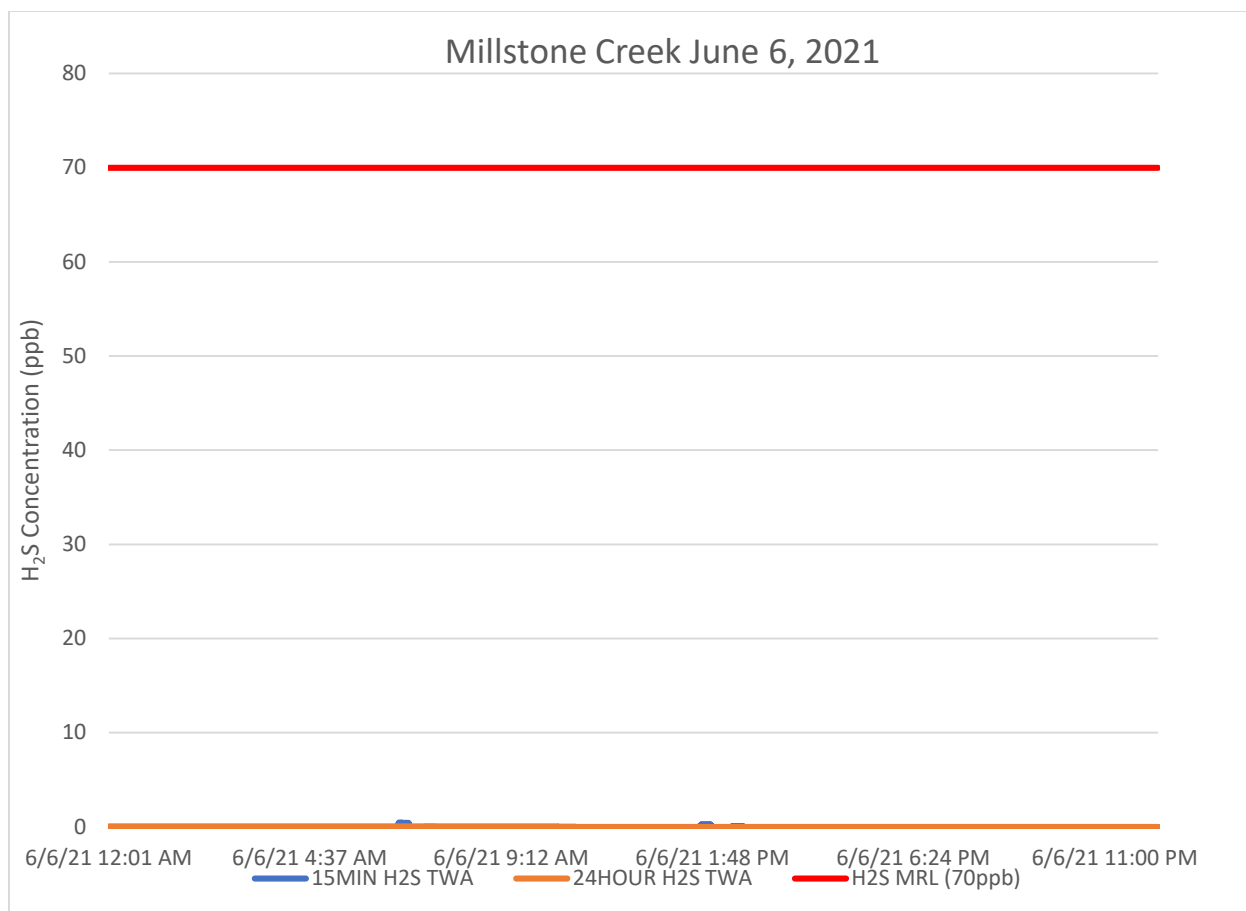
The prevailing wind directions for this reporting period were out of the southwest and south-southwest with smaller percentages out of the east, east-southeast, and south. See wind rose diagram on location figure for full wind data during this reporting period.

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



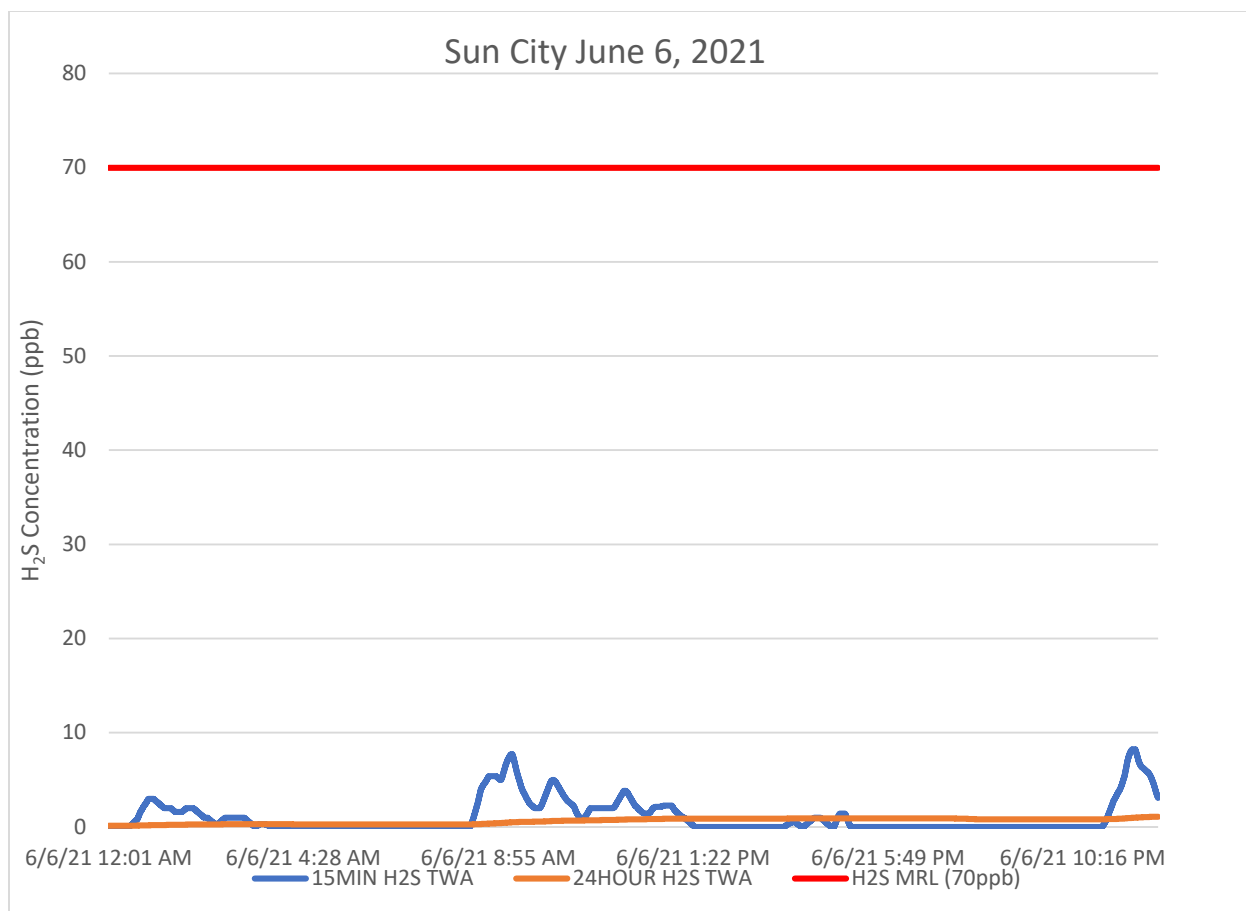
### Notes:

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



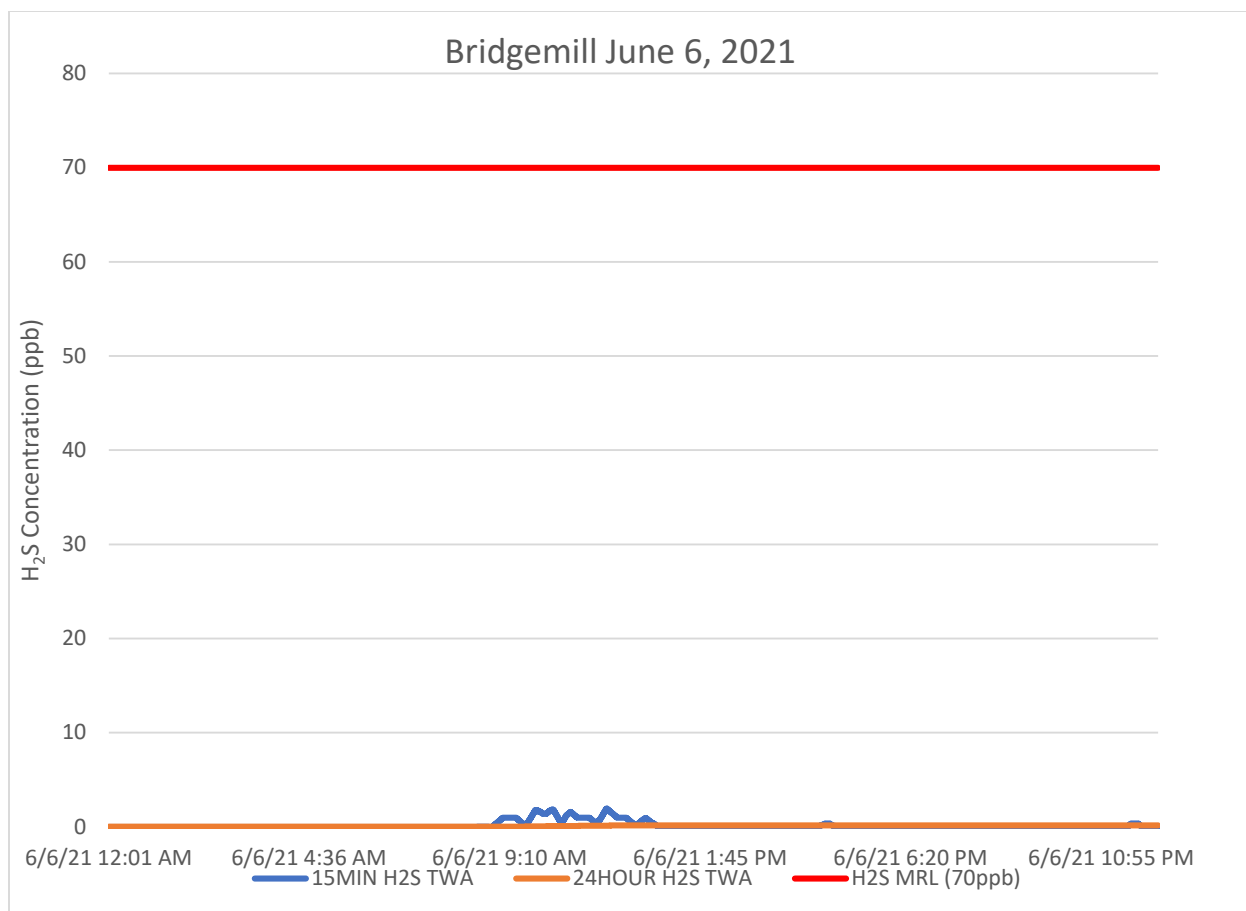
**Notes:**

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



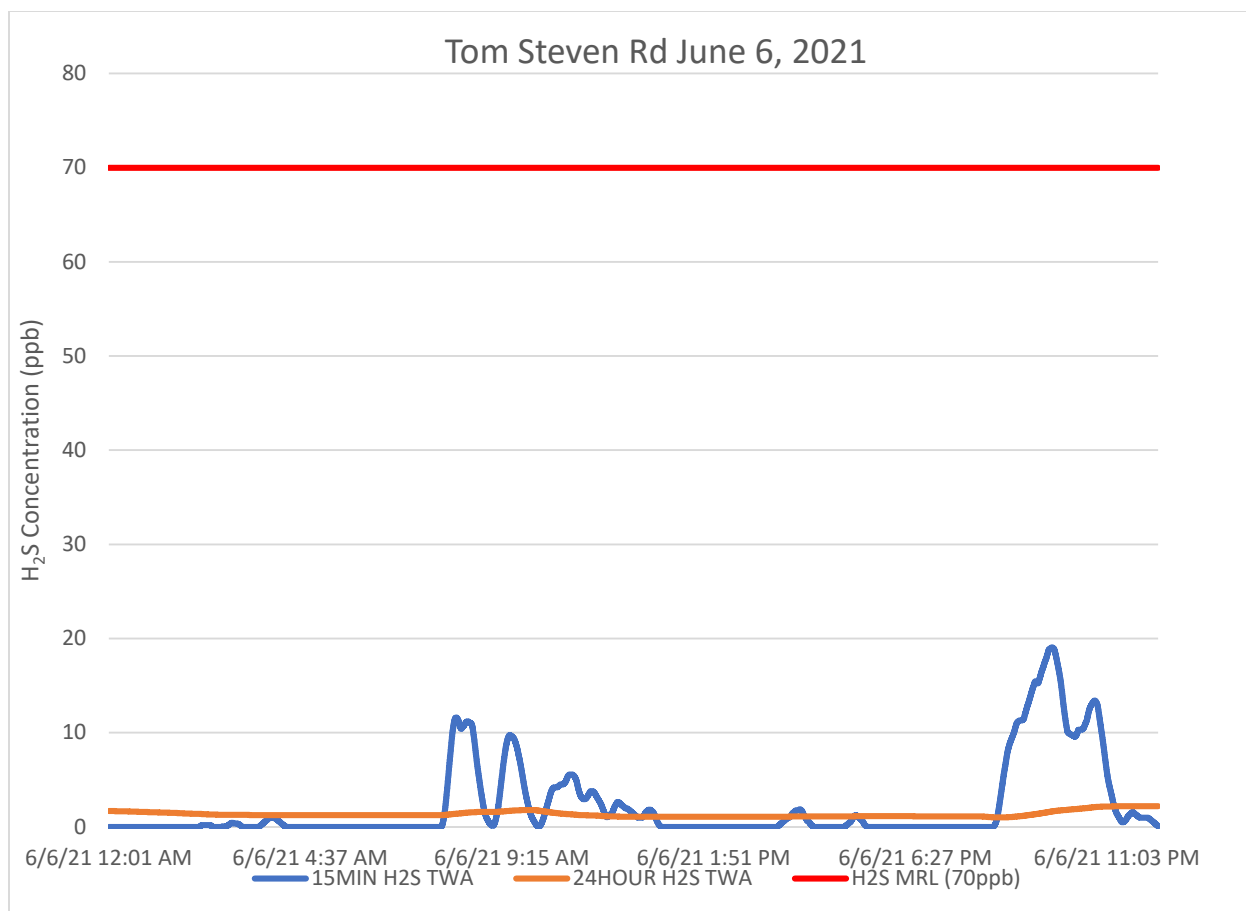
**Notes:**

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



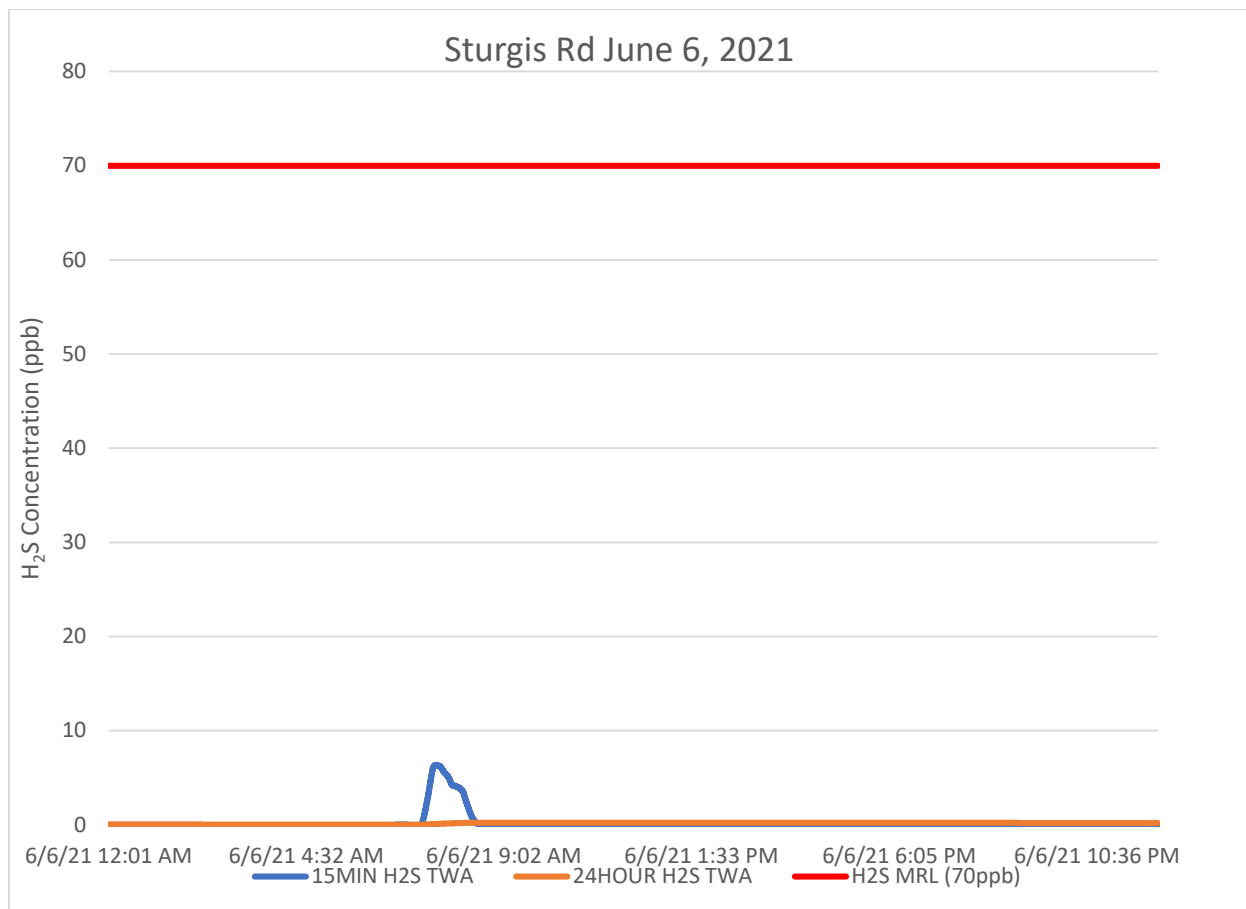
**Notes:**

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



**Notes:**

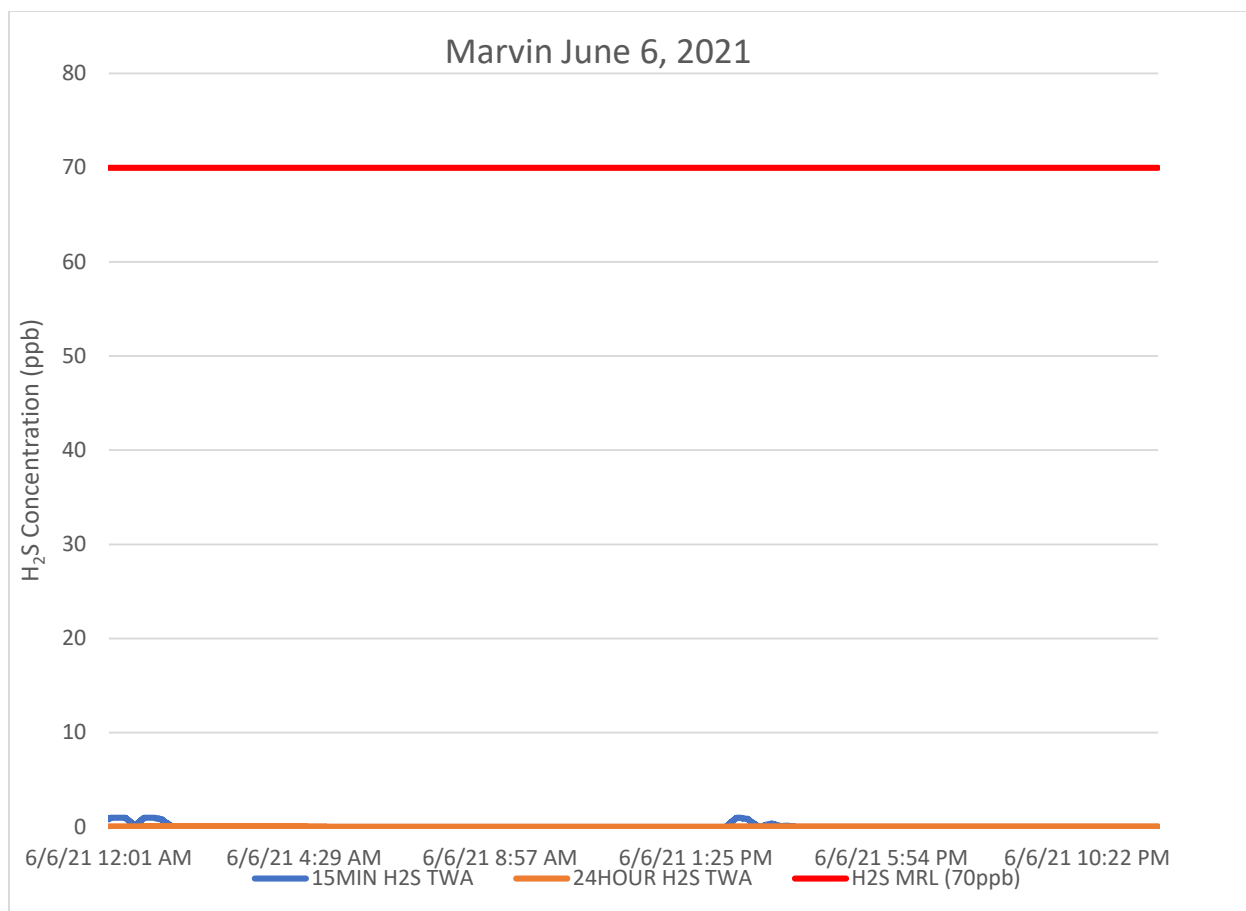
H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



**Notes:**

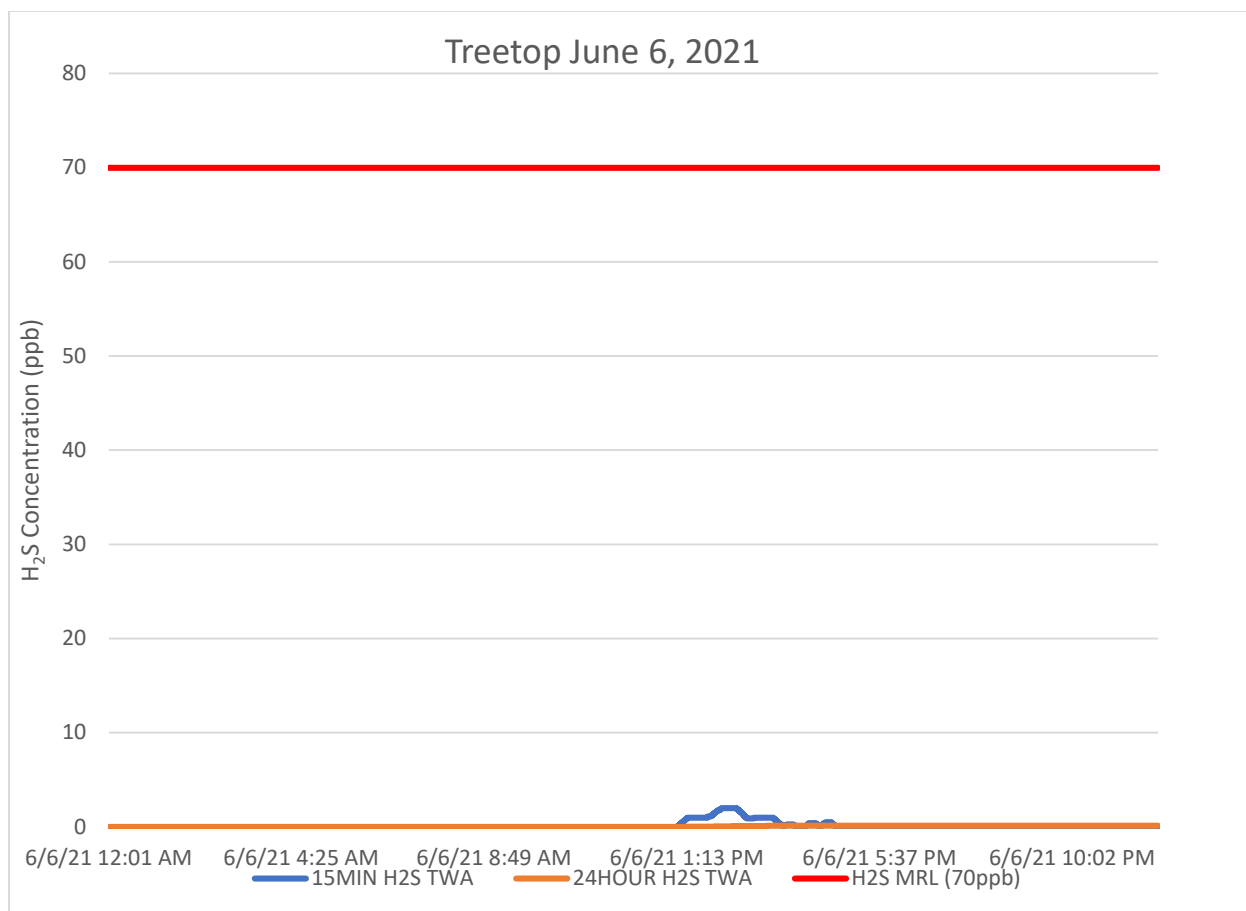
H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average





**Notes:**

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



**Notes:**

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average