

# 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:** 6/3/21  
12:01 AM

**To:** 6/3/21  
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	54218	22724	0 - 16 ppb	1.96 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	53678	0	0 - 0 ppb	0 ppb	70 ppb

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

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

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

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

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

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

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

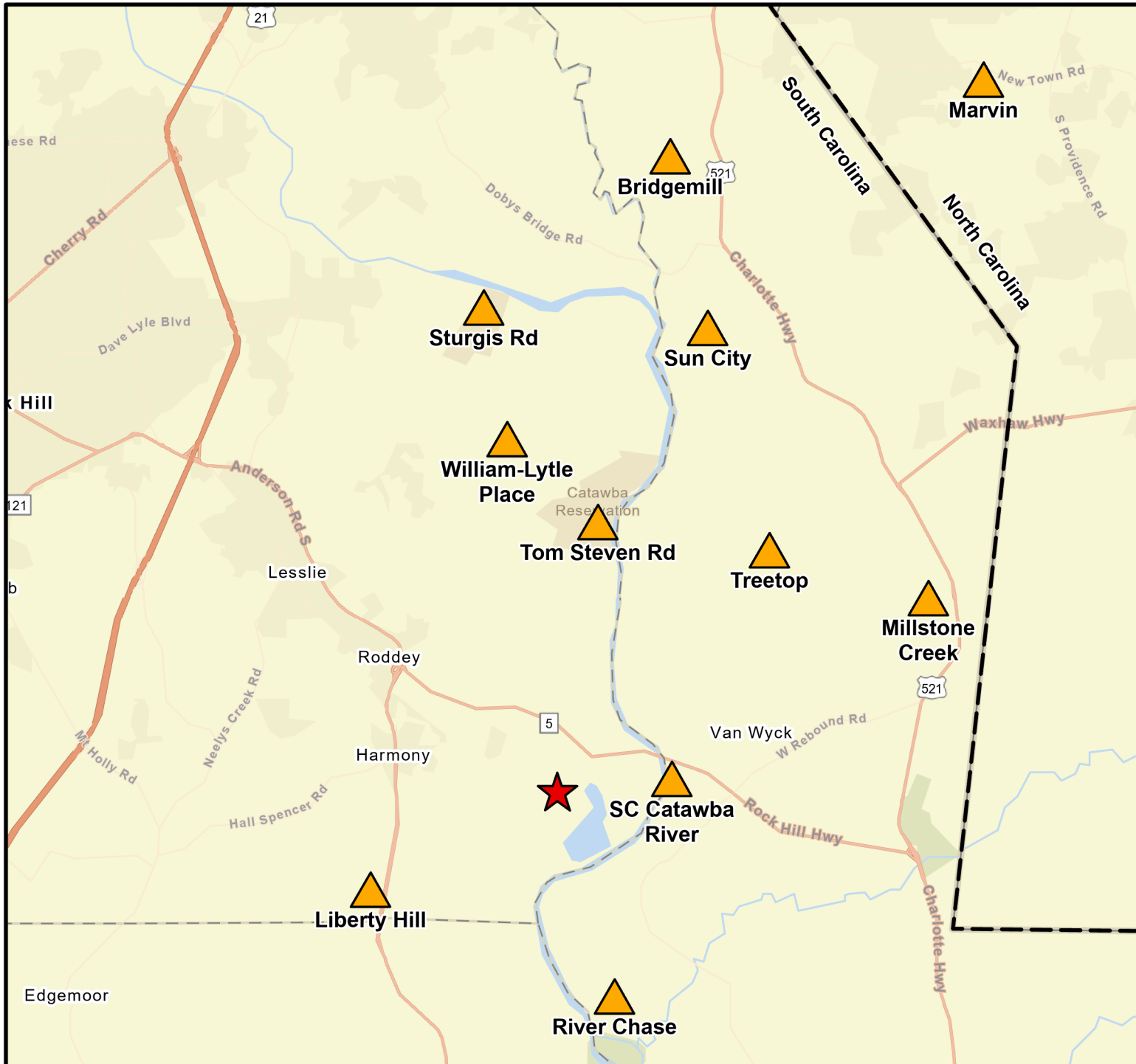
Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H2S	No	52550	0	0 - 0 ppb	0 ppb	70 ppb

**Notes:**

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

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

- 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

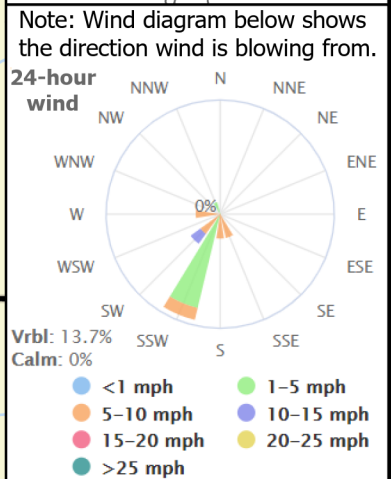


### Legend

- Fixed Monitoring Locations
- New Indy Containerboard

Miles

Map Source:  
ESRI Streets



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

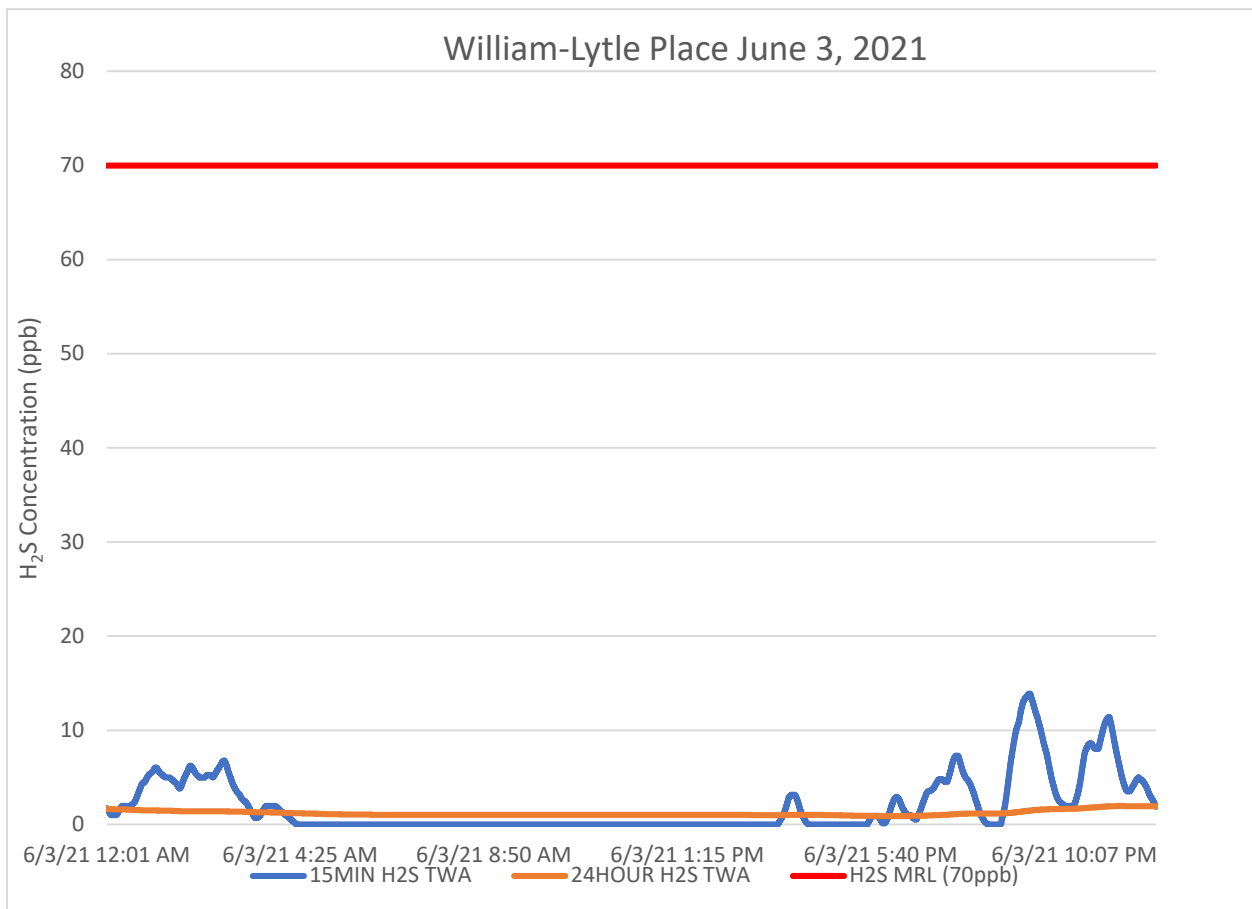
## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

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

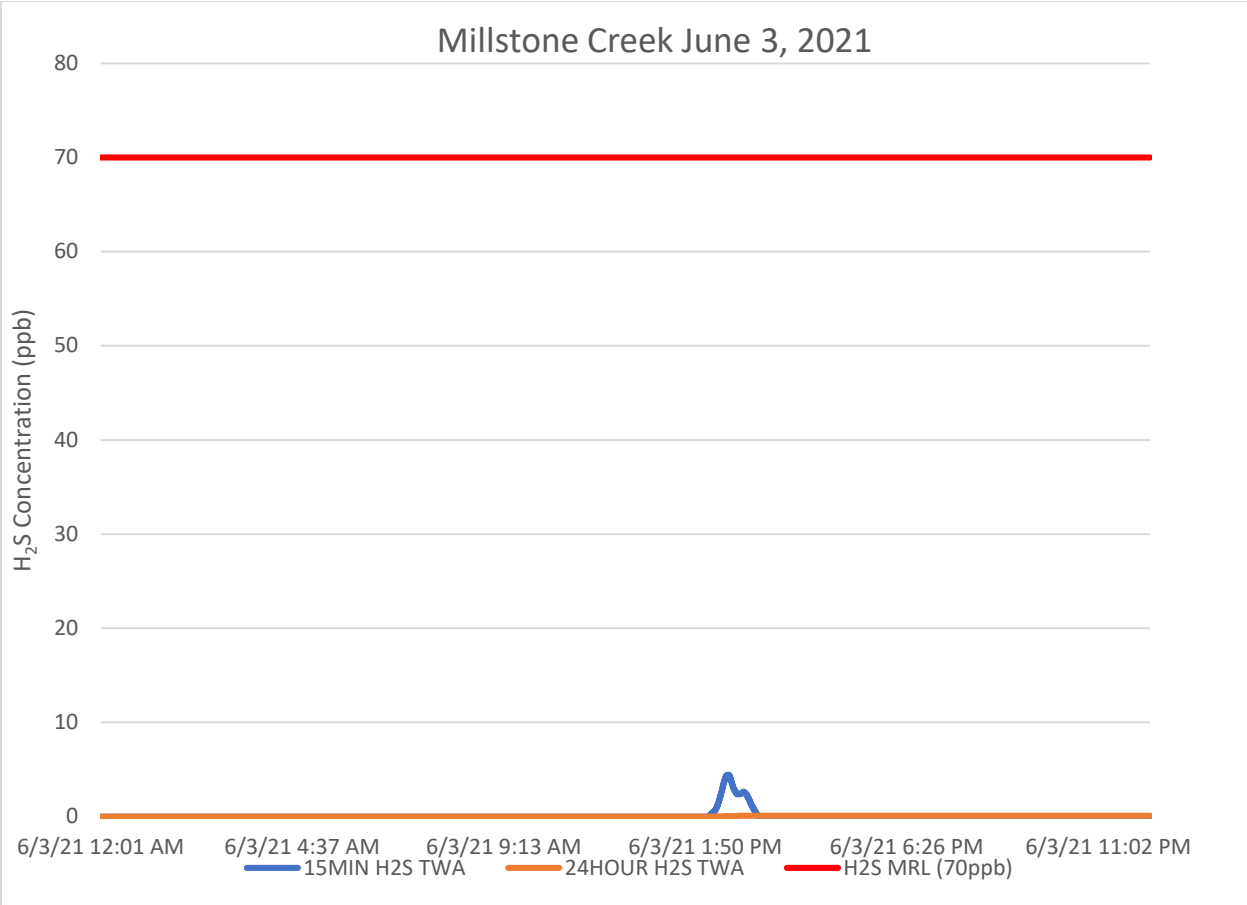
The prevailing wind directions for this reporting period were out of the south-southwest with a smaller percentage out of the southwest, south, and south-southeast. See wind rose diagram on location figure for full wind data during this reporting period.

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



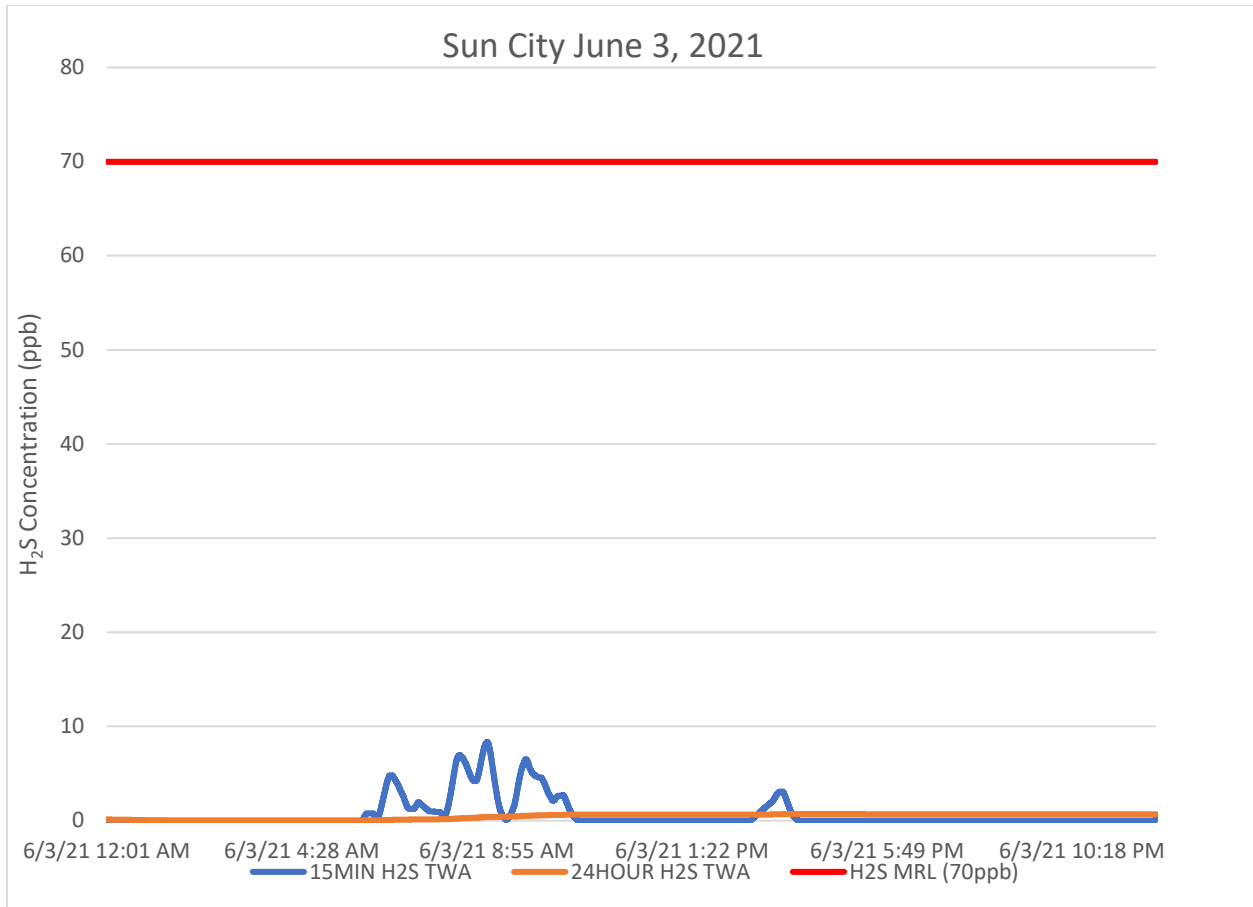
### Notes:

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



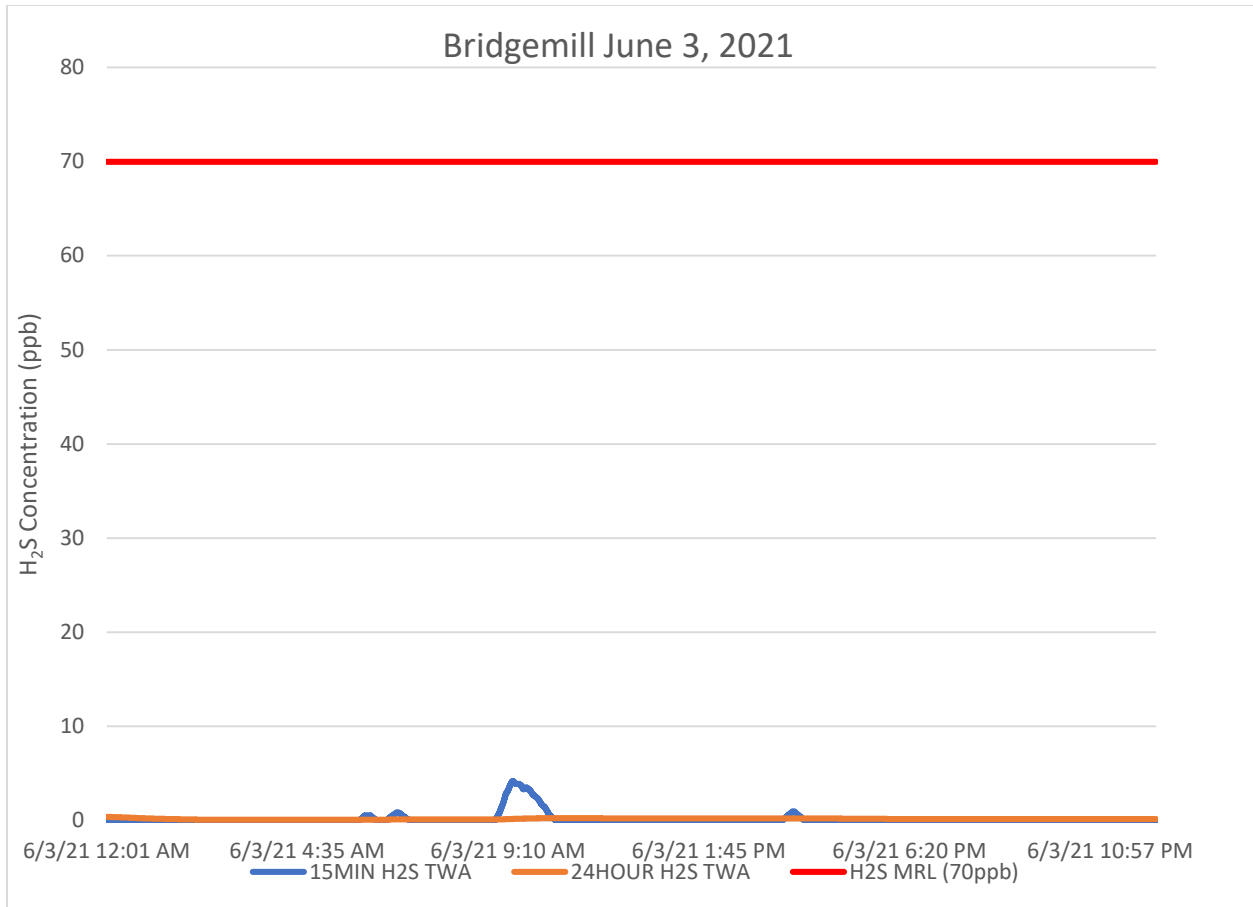
**Notes:**

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- MIN – Minute
- MRL – Minimal Risk Level
- ppb – Parts per billion
- TWA – Time weighted average



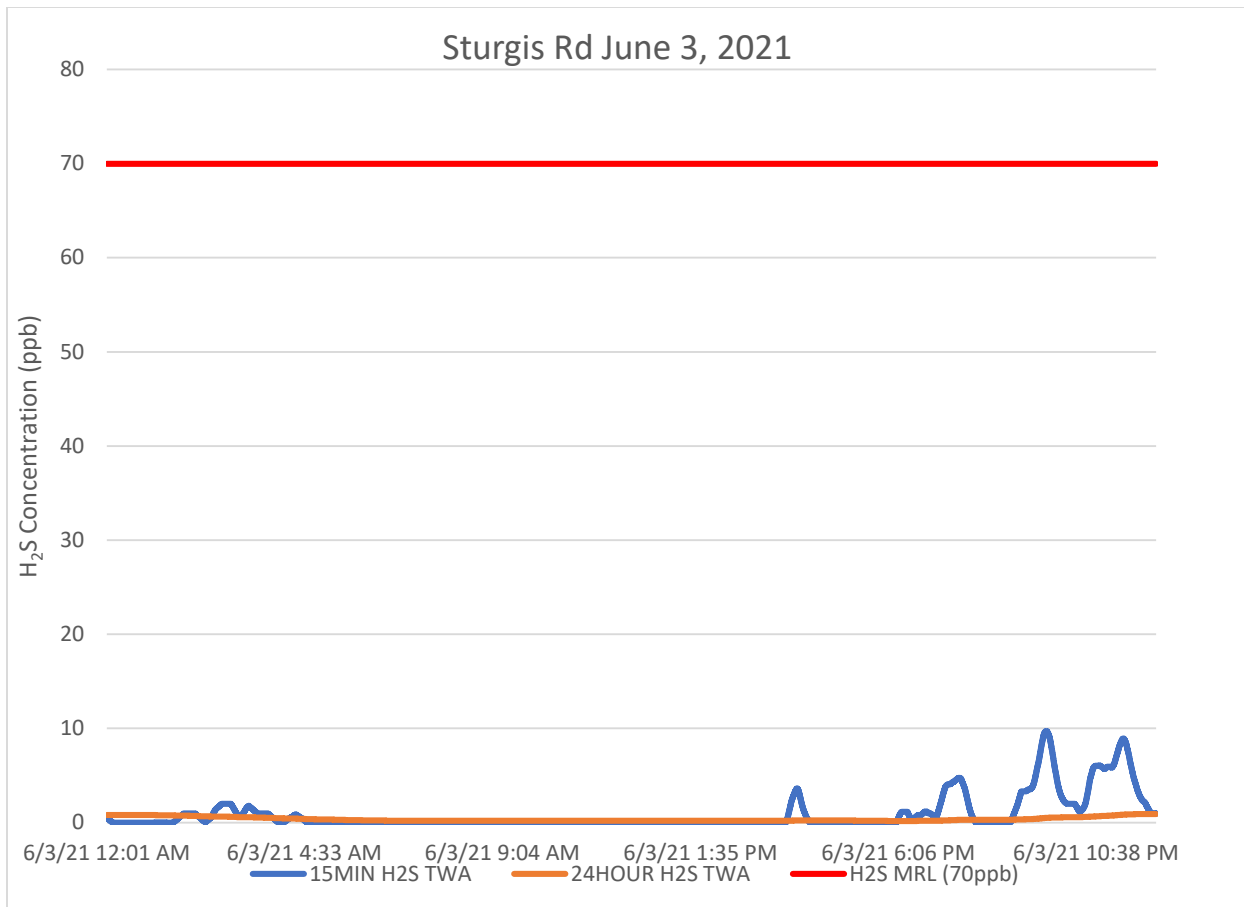
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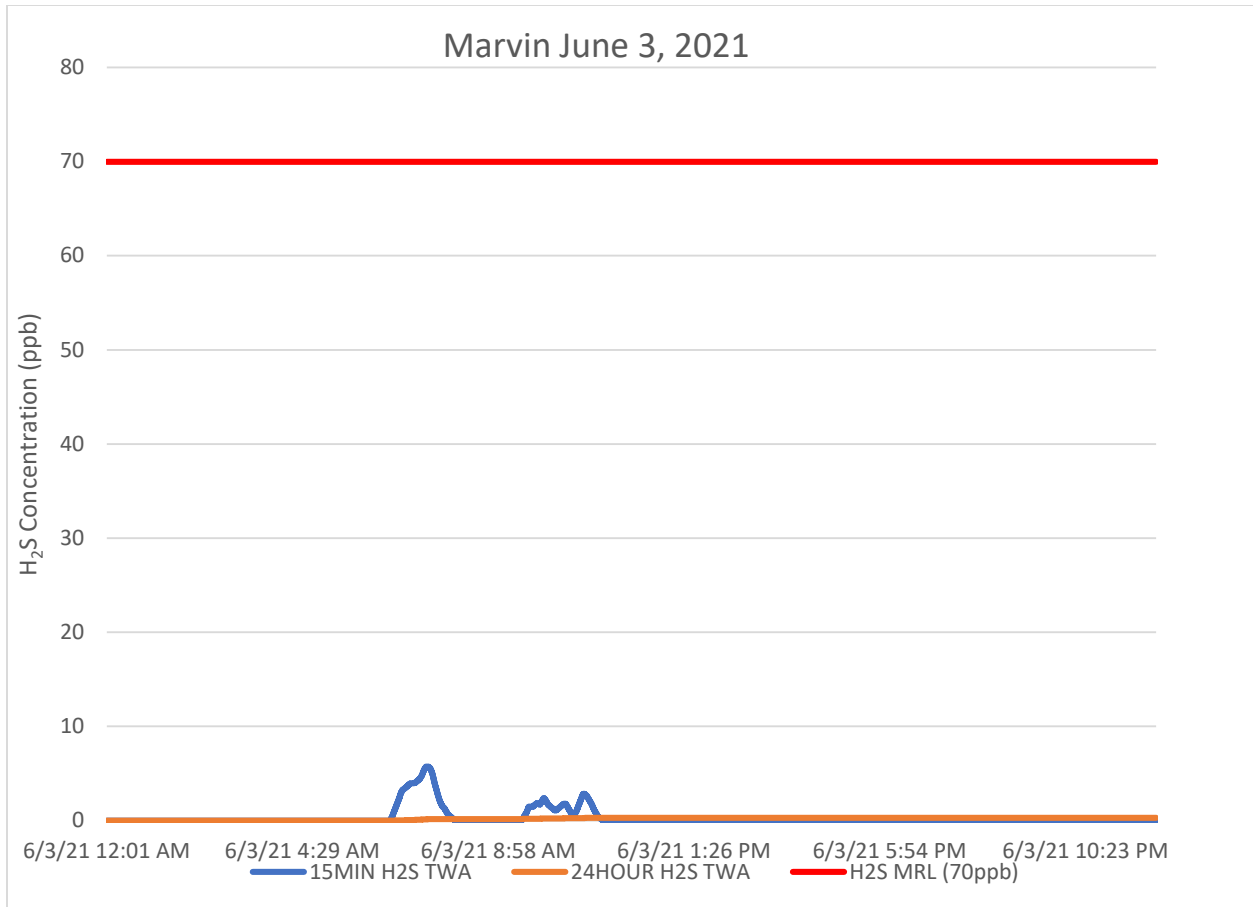
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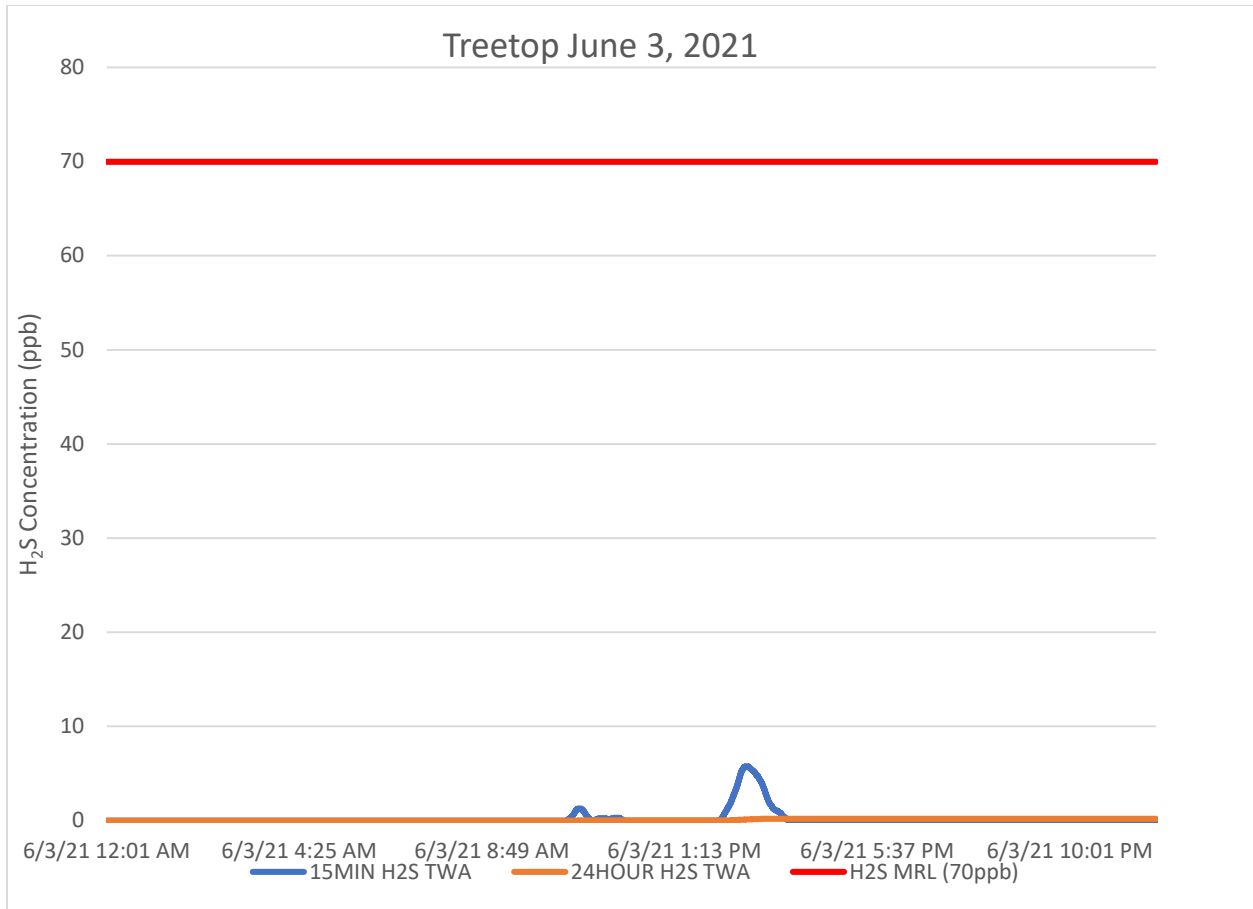
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