

# Air Monitoring Summary Tables

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

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

**From: 6/2/21  
12:01 AM**

**To: 6/2/21  
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	54316	24482	0 - 11 ppb	1.64 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	54160	0	0 - 0 ppb	0 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H <sub>2</sub> S	No	52056	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	H <sub>2</sub> S	No	53754	3848	0 - 4 ppb	0.13 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H <sub>2</sub> S	No	52128	10342	0 - 6 ppb	0.4 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	H <sub>2</sub> S	No	34600	17345	0 - 6 ppb	1.37 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H <sub>2</sub> S	No	52908	17852	0 - 5 ppb	0.83 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H <sub>2</sub> S	No	53484	0	0 - 0 ppb	0 ppb	70 ppb

Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H <sub>2</sub> S	No	54230	112	0 - 1 ppb	0 ppb	70 ppb

Liberty Hill <sup>2</sup>							
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	45150	4700	0 - 17 ppb	0.85 ppb	70 ppb

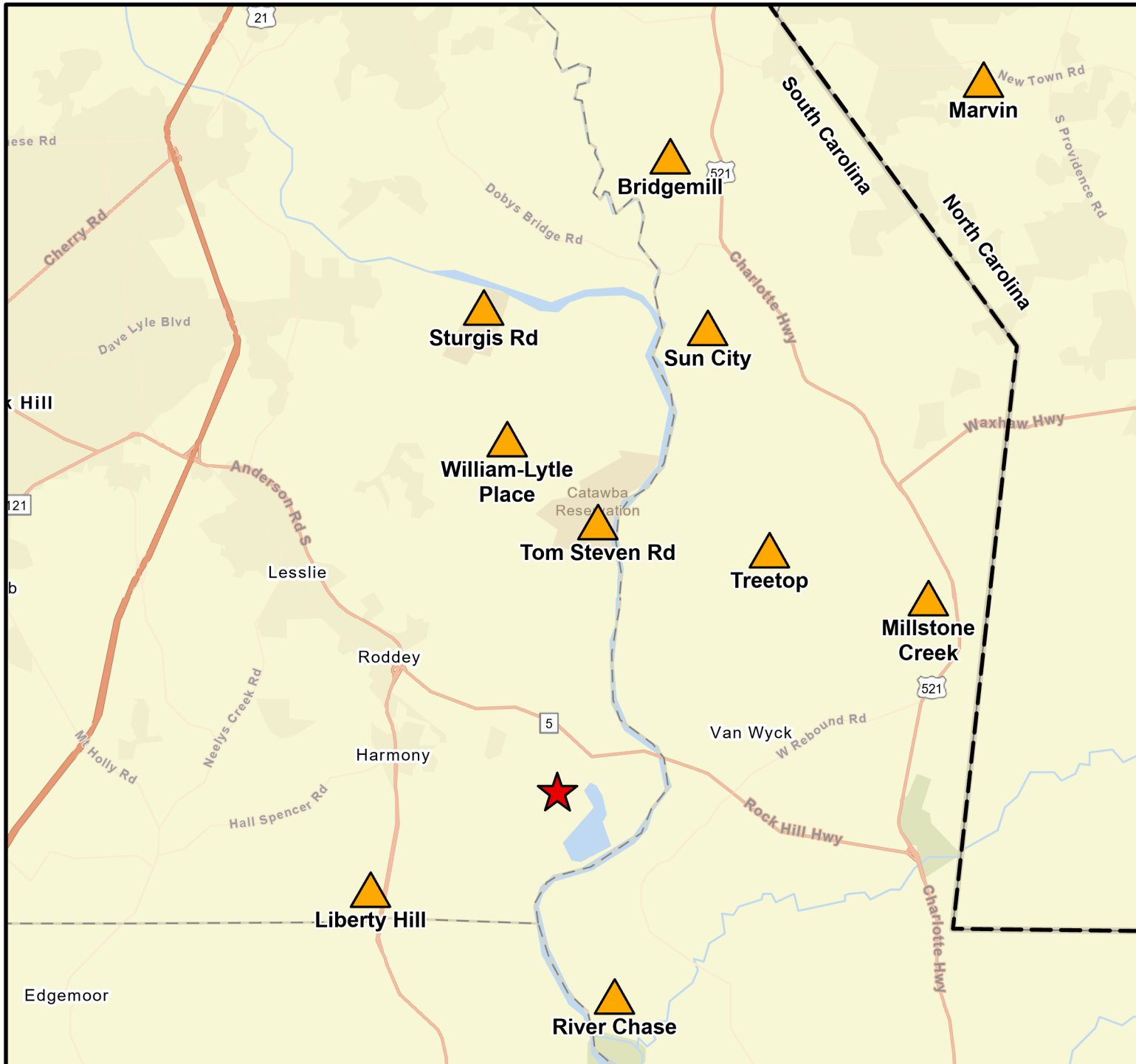
**Notes:**

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 experienced intermittent outages between 13:38 and 14:27 and was offline and did not collect data from 15:16 to 23:59.

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

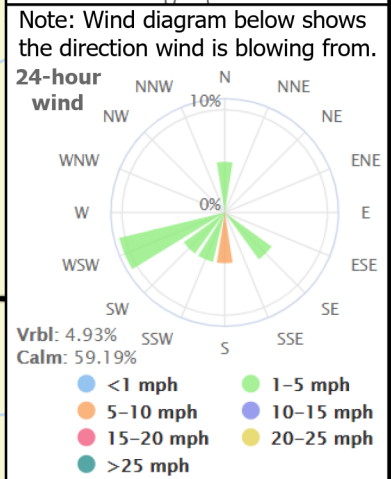
- ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
- H<sub>2</sub>S Hydrogen Sulfide
- hr Hour
- ppb Parts per billion
- MRL Exceedance Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
- SPM Single Point Monitor
- TWA Time Weighted Average



### Legend

- Fixed Monitoring Locations
- New Indy Containerboard

Map Source:  
ESRI Streets



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

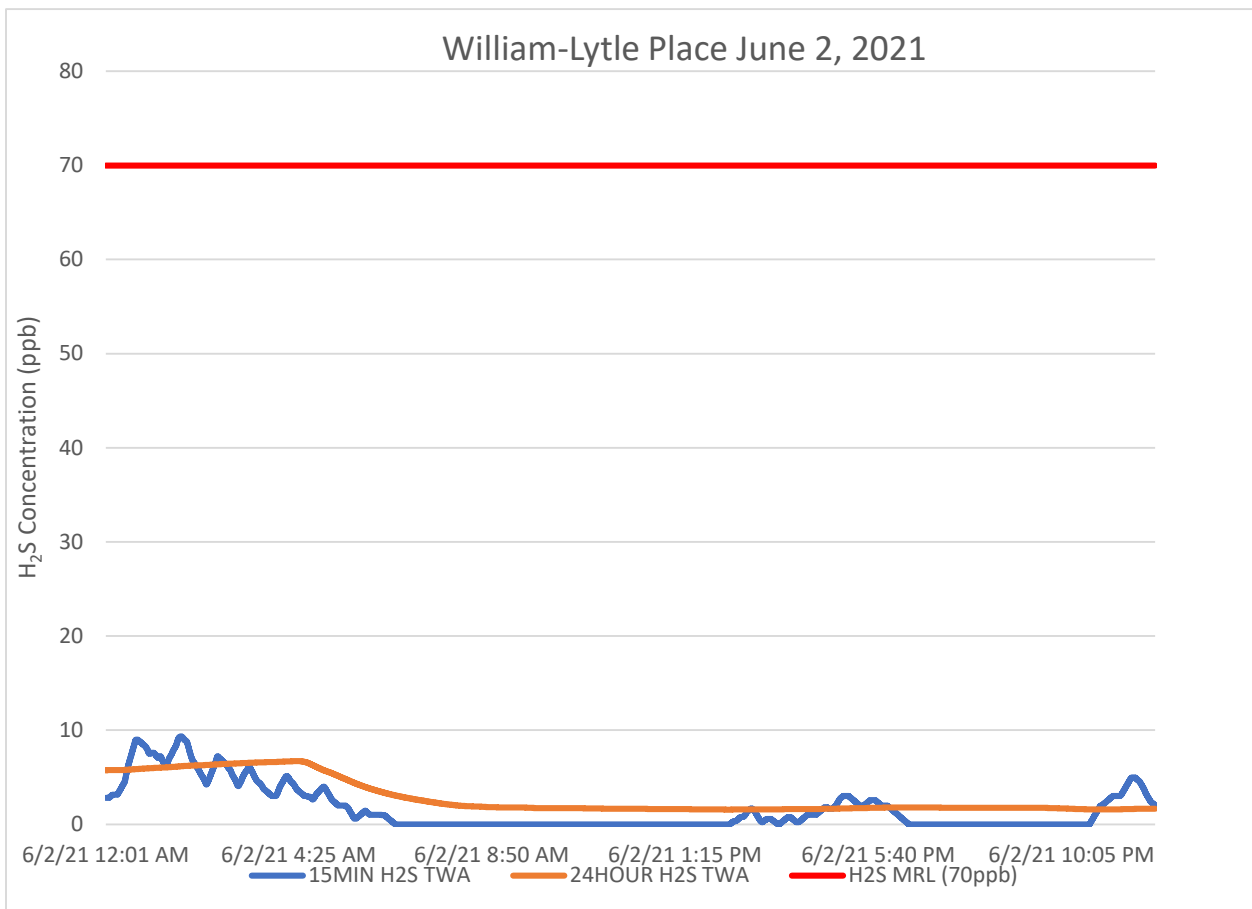
## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

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

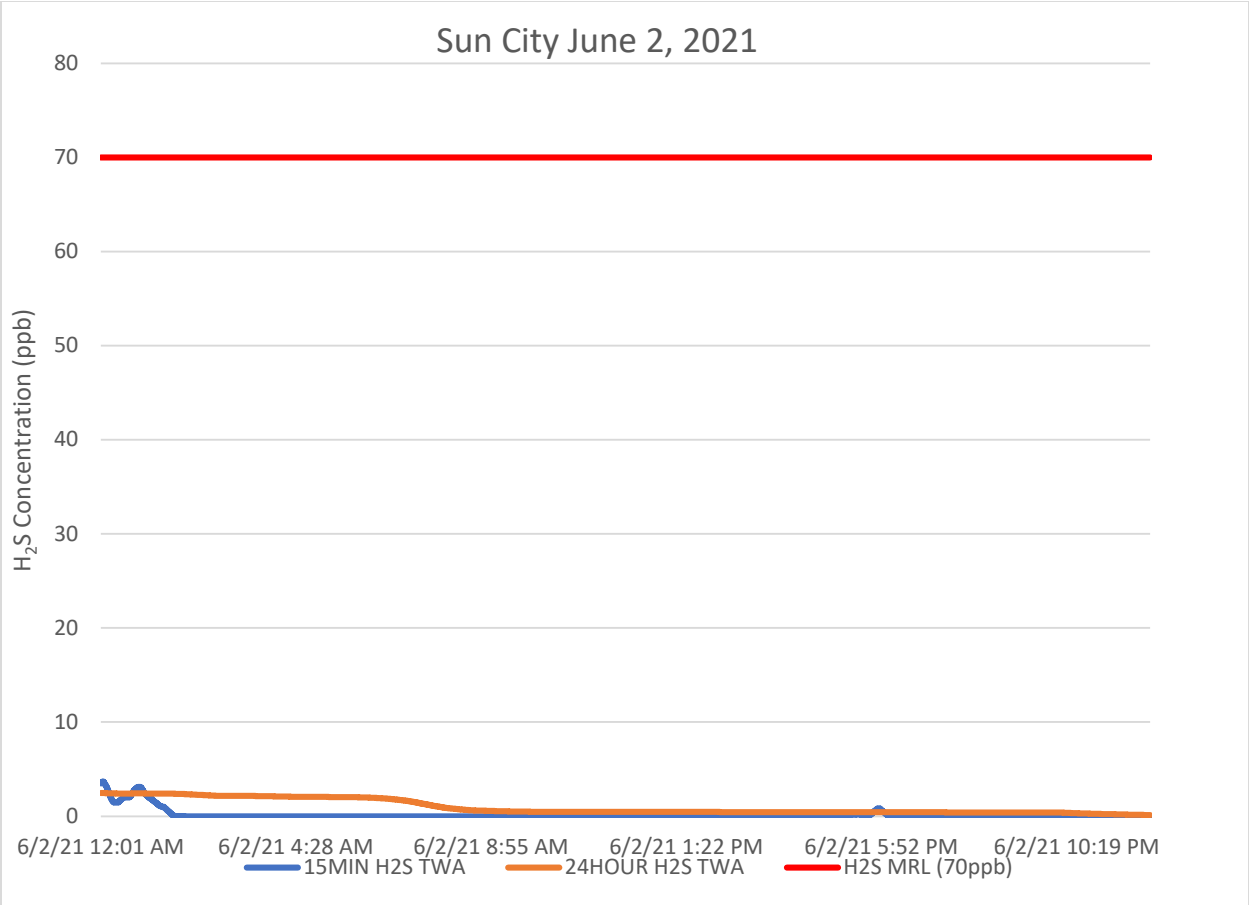
The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the west-southwest with smaller percentages out of the north, southwest, south-southwest, south, and southeast. See wind rose diagram on location figure for full wind data during this reporting period.

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



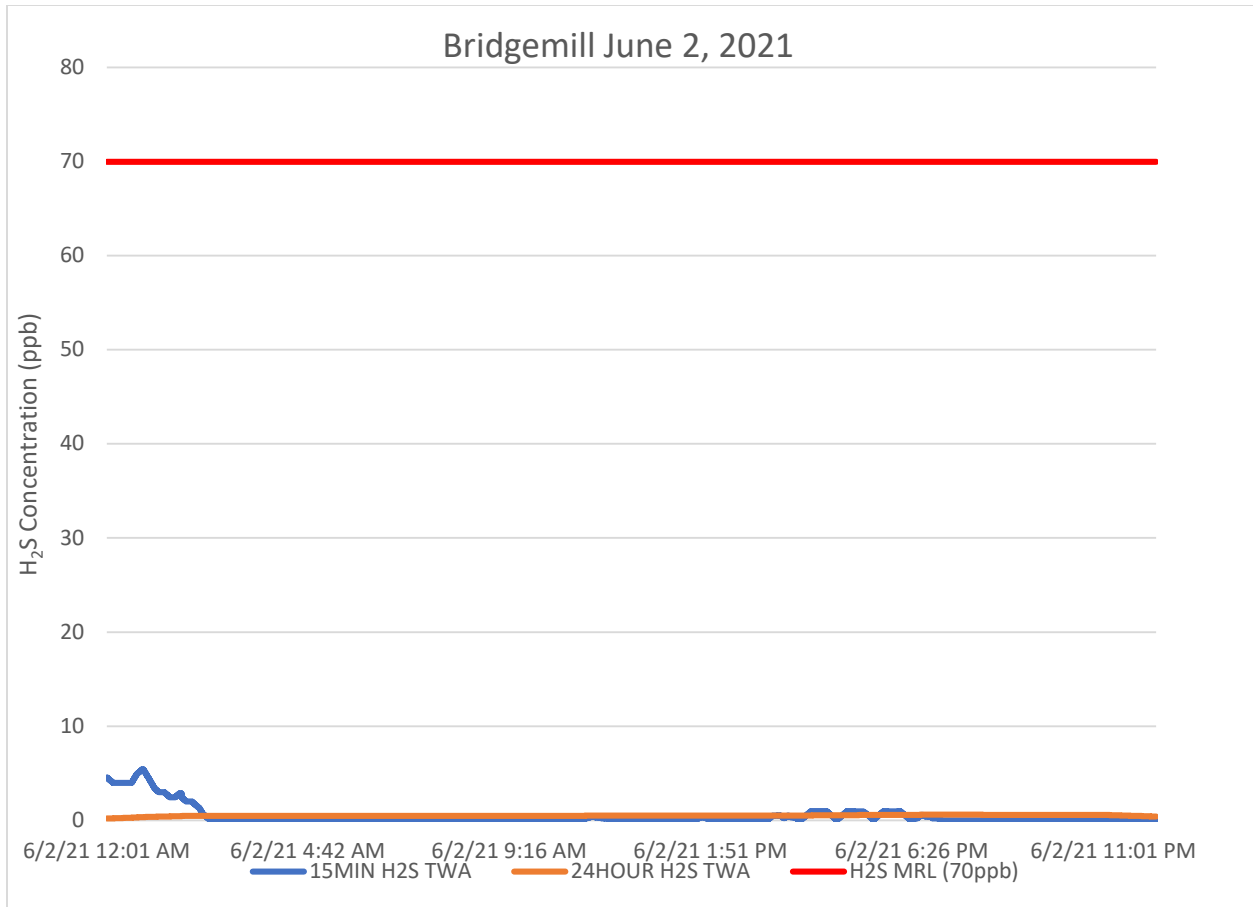
**Notes:**

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



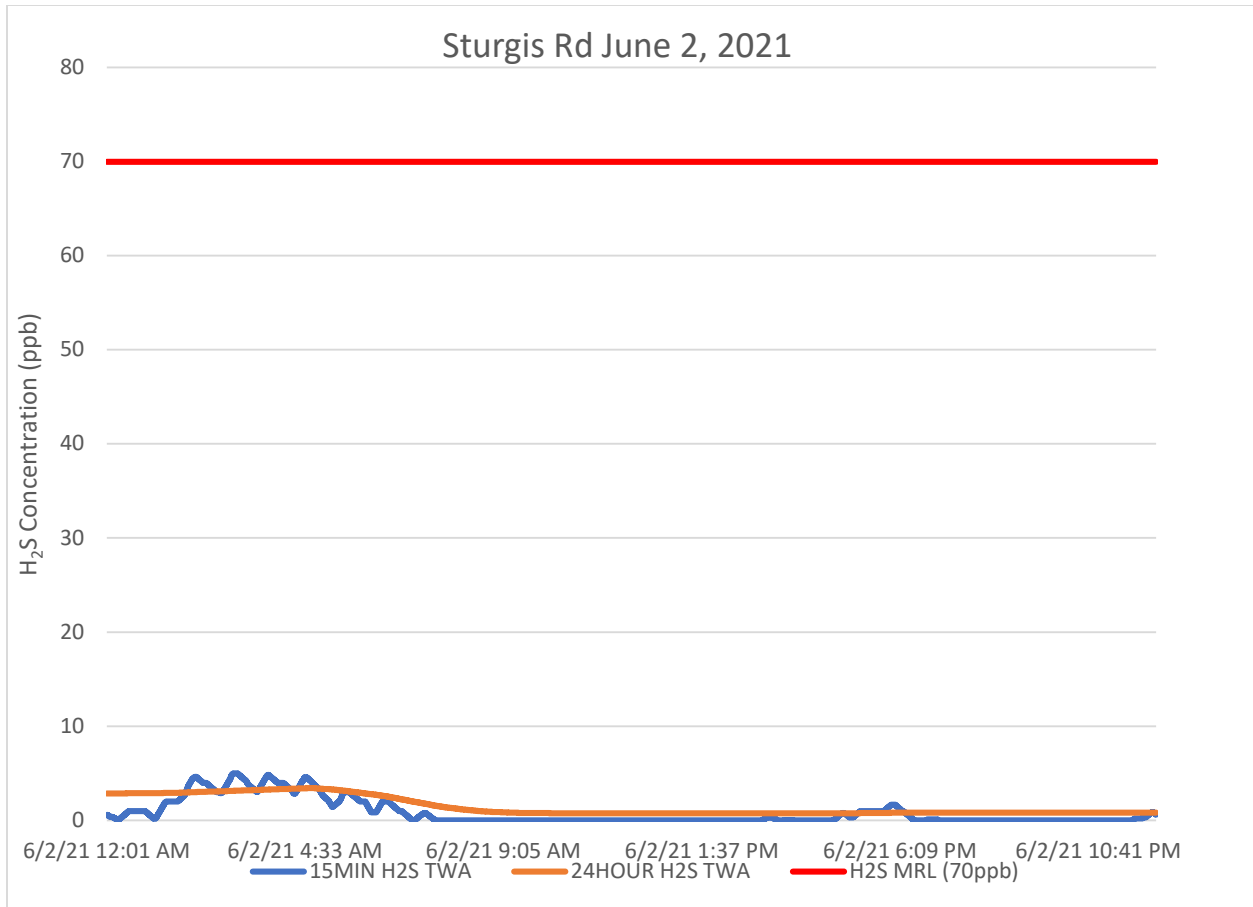
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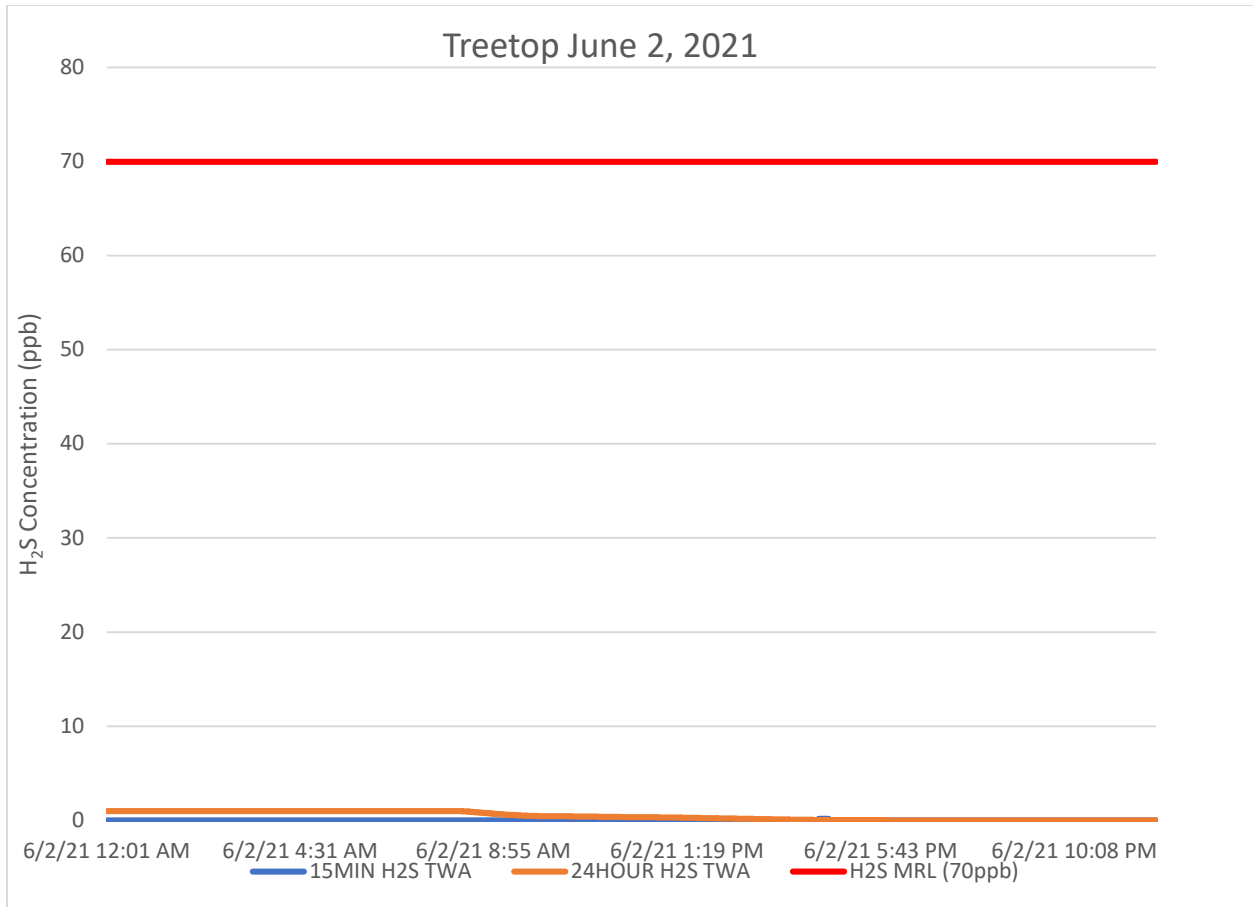
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