

# 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: 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

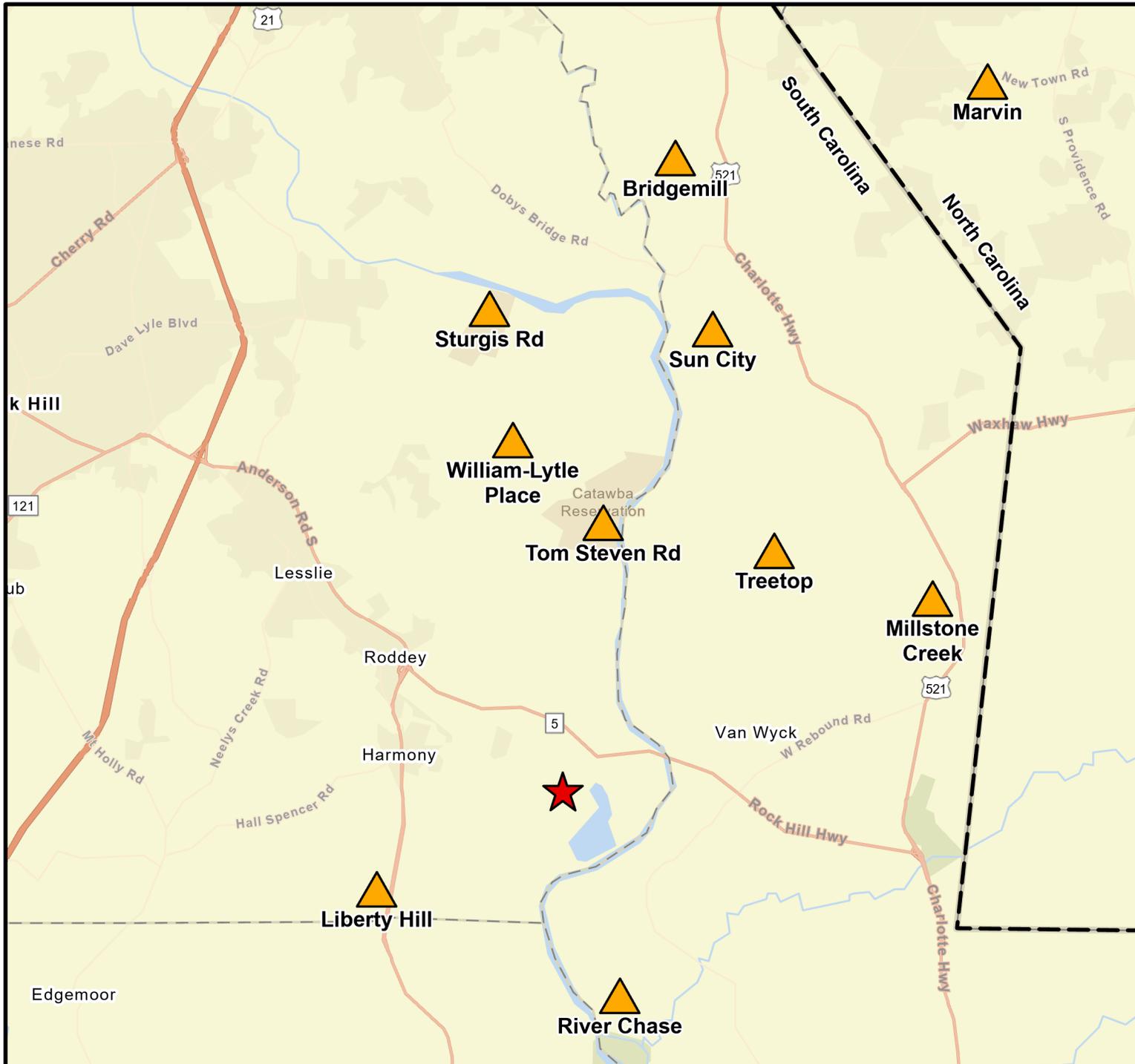
Treetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H2S	No	54012	0	0 - 0 ppb	0 ppb	70 ppb

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<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

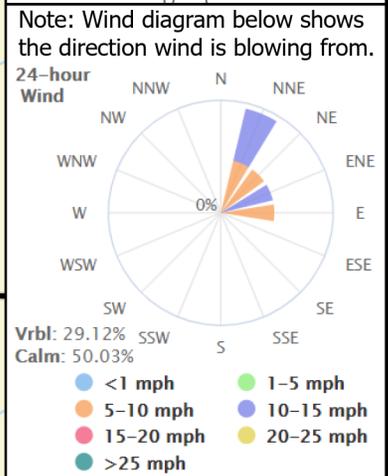
-  Fixed Monitoring Locations
-  New Indy Containerboard





Miles

Map Source:  
ESRI Streets



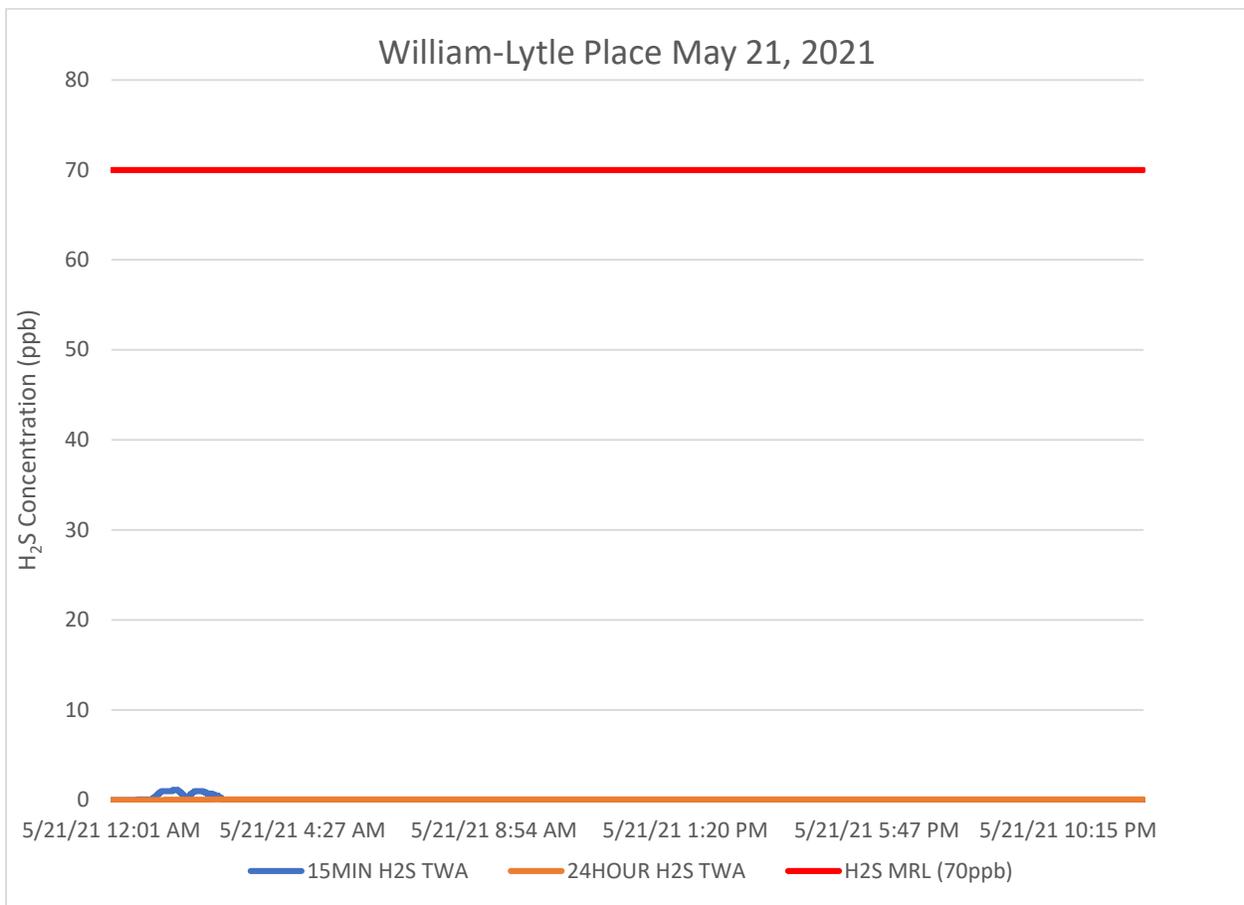
# H<sub>2</sub>S in South and North Carolina

## 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.

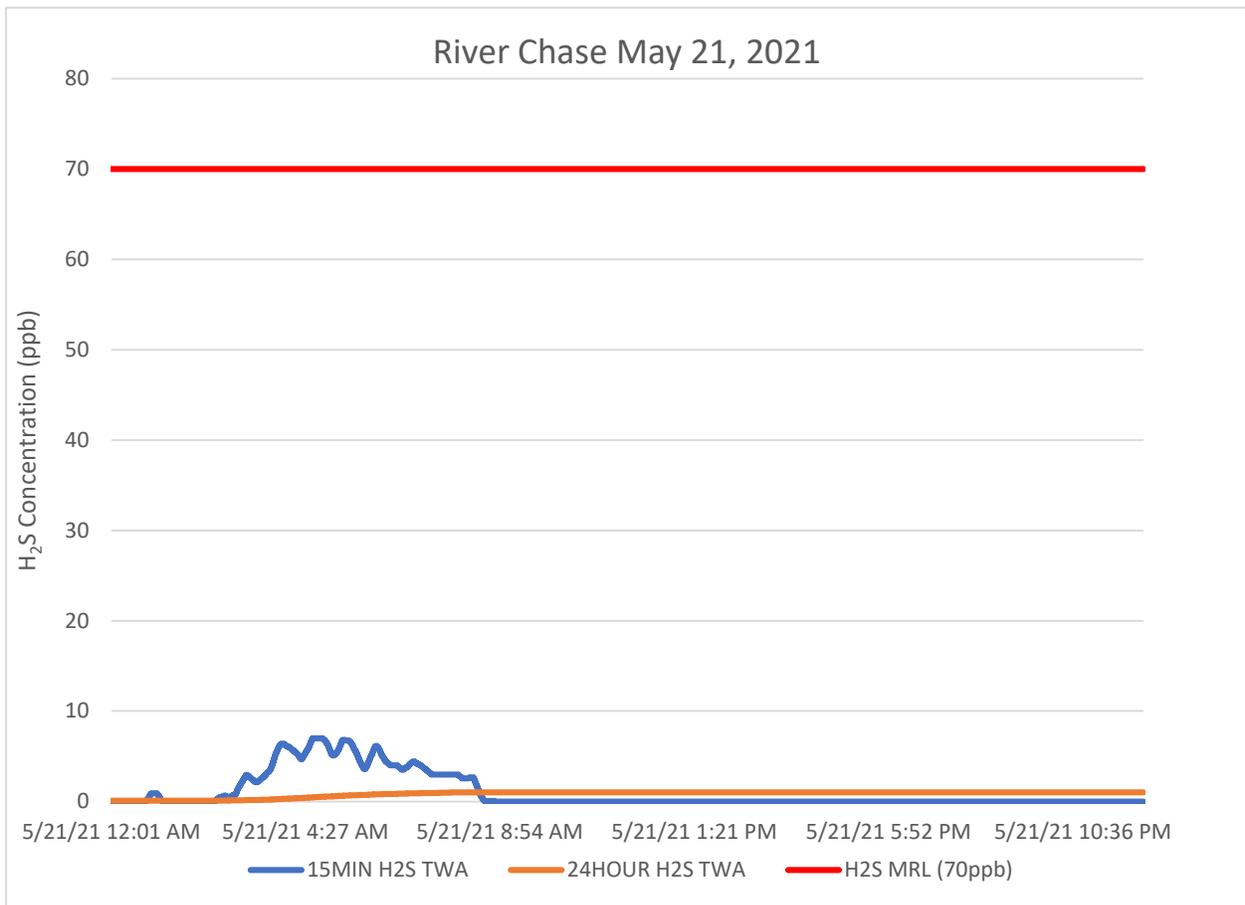
The prevailing wind directions for this reporting period were mostly calm or lite variable winds out of the north-northeast with a smaller percentage out of the east. See wind rose diagram on location figure for full wind data during this reporting period.

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



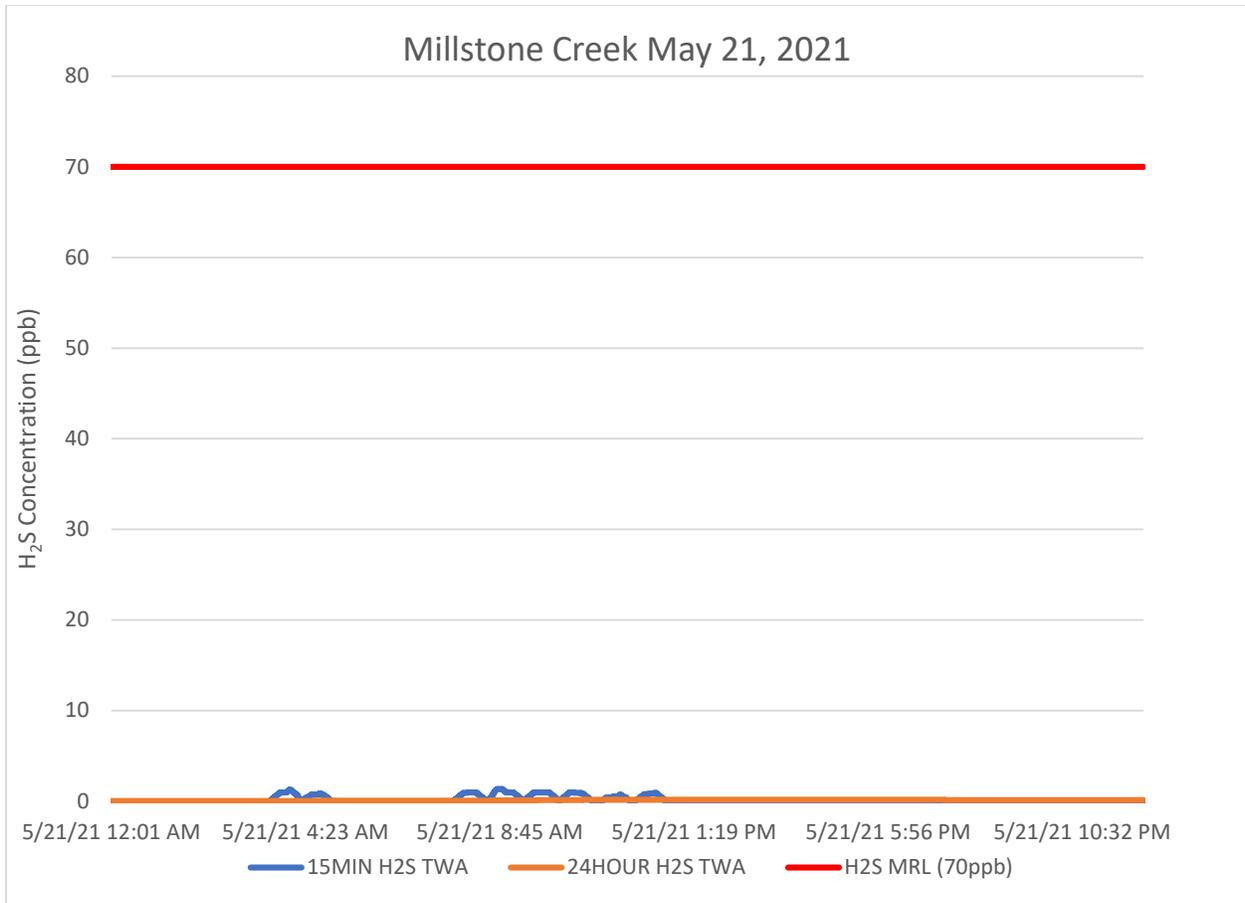
**Notes:**

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



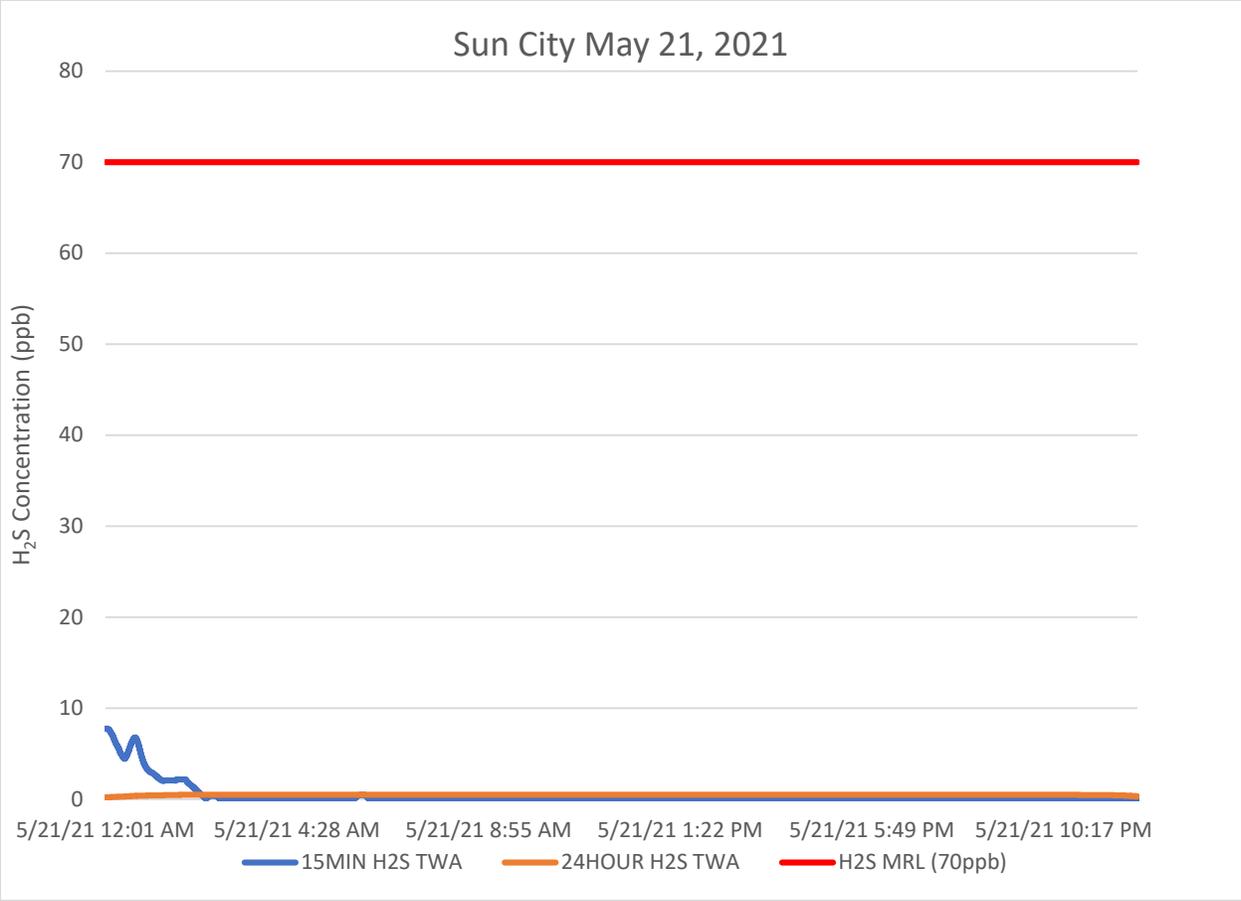
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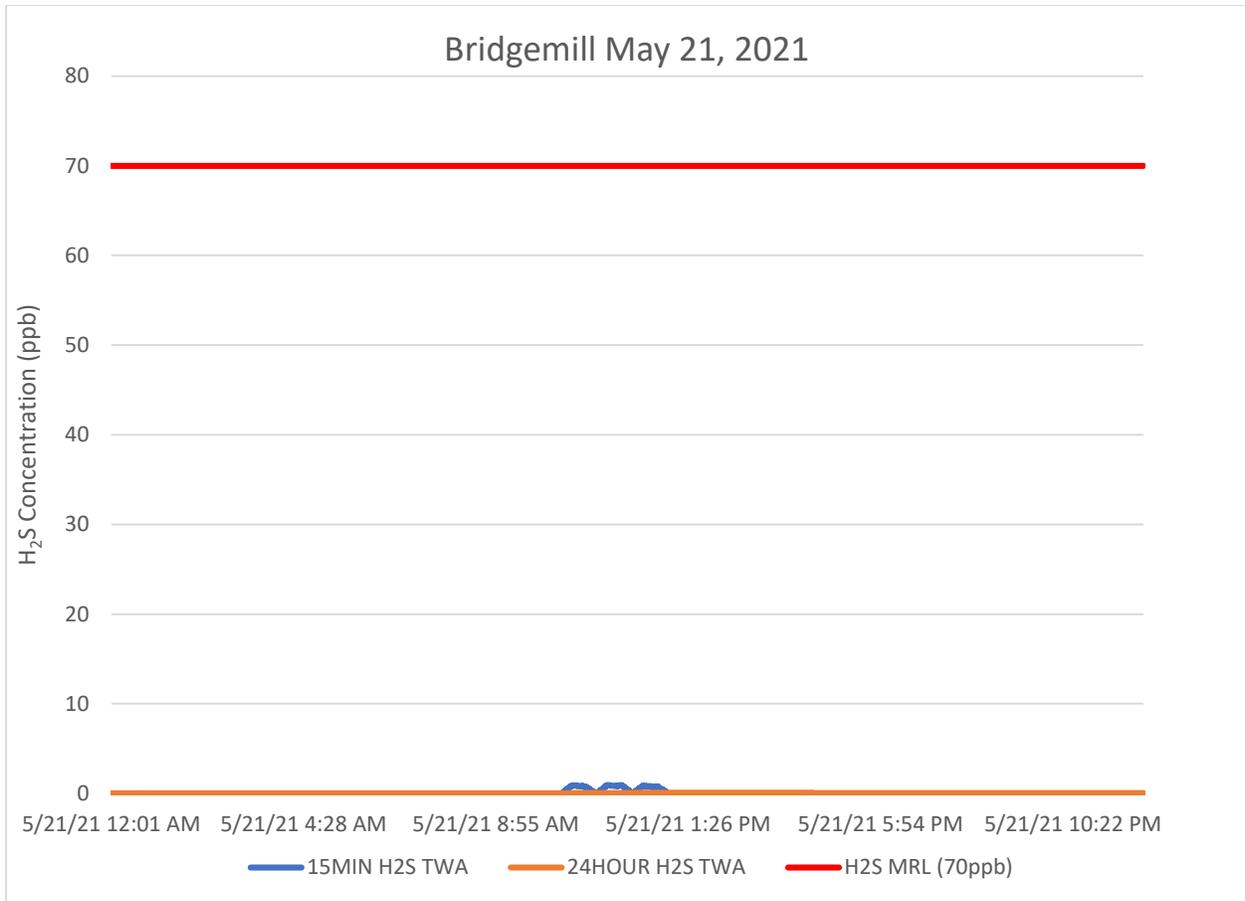
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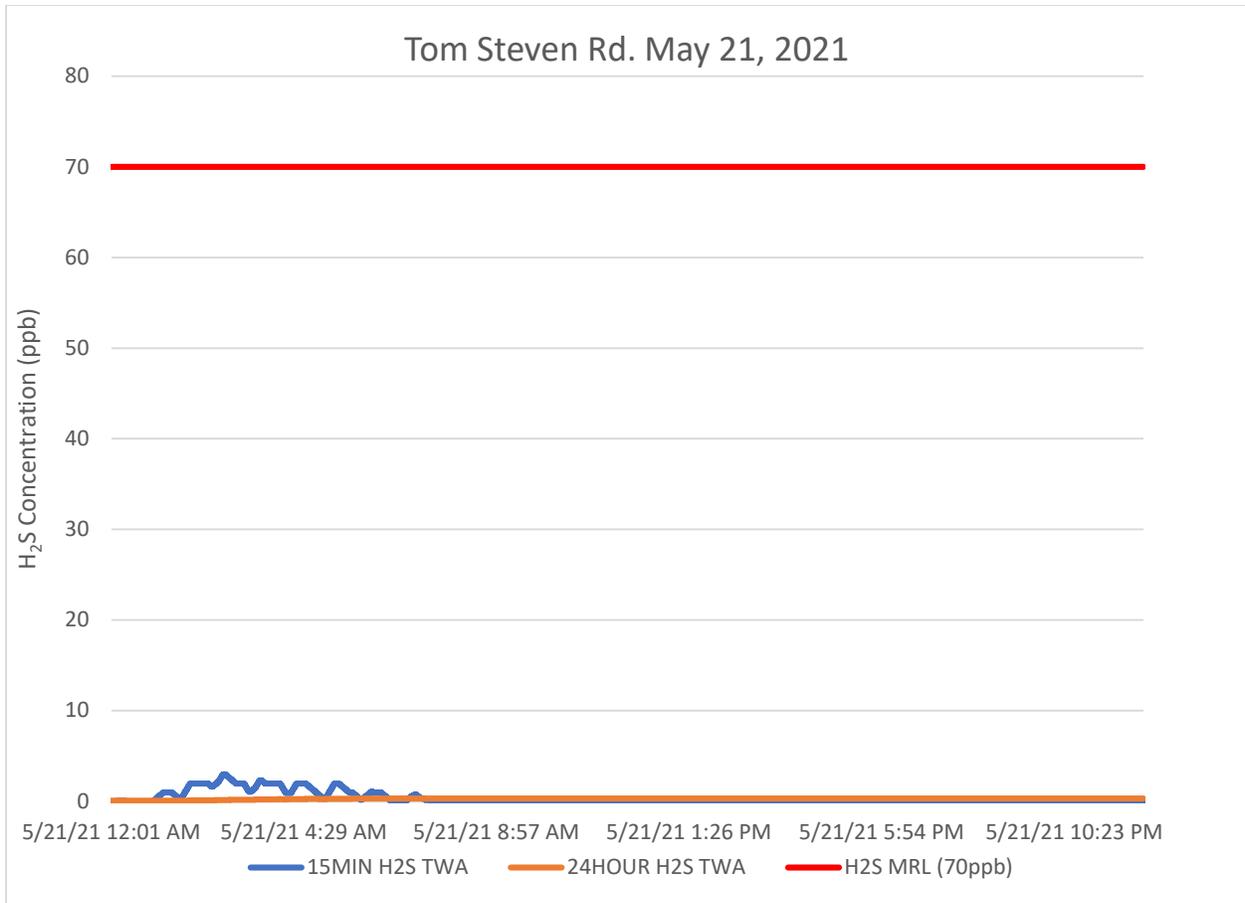
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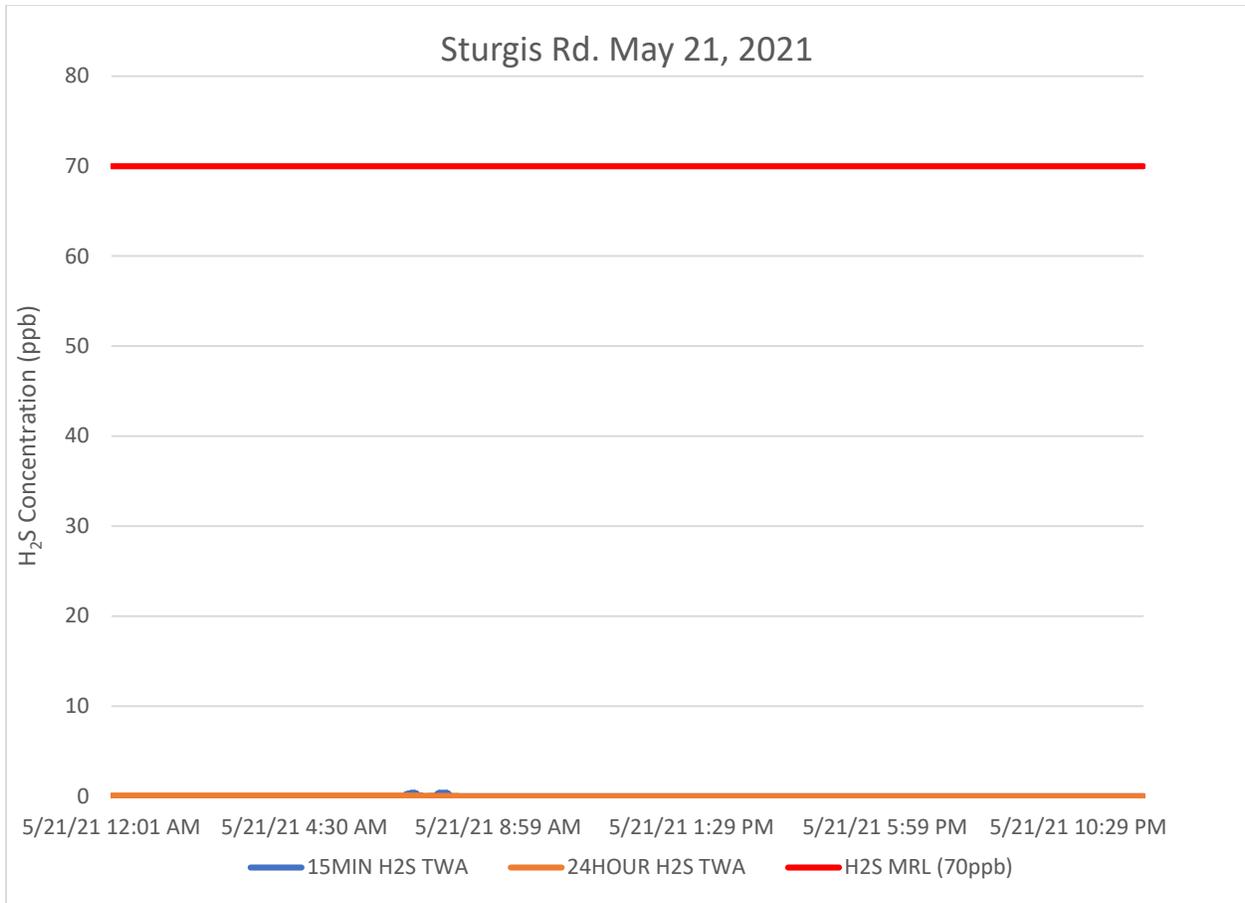
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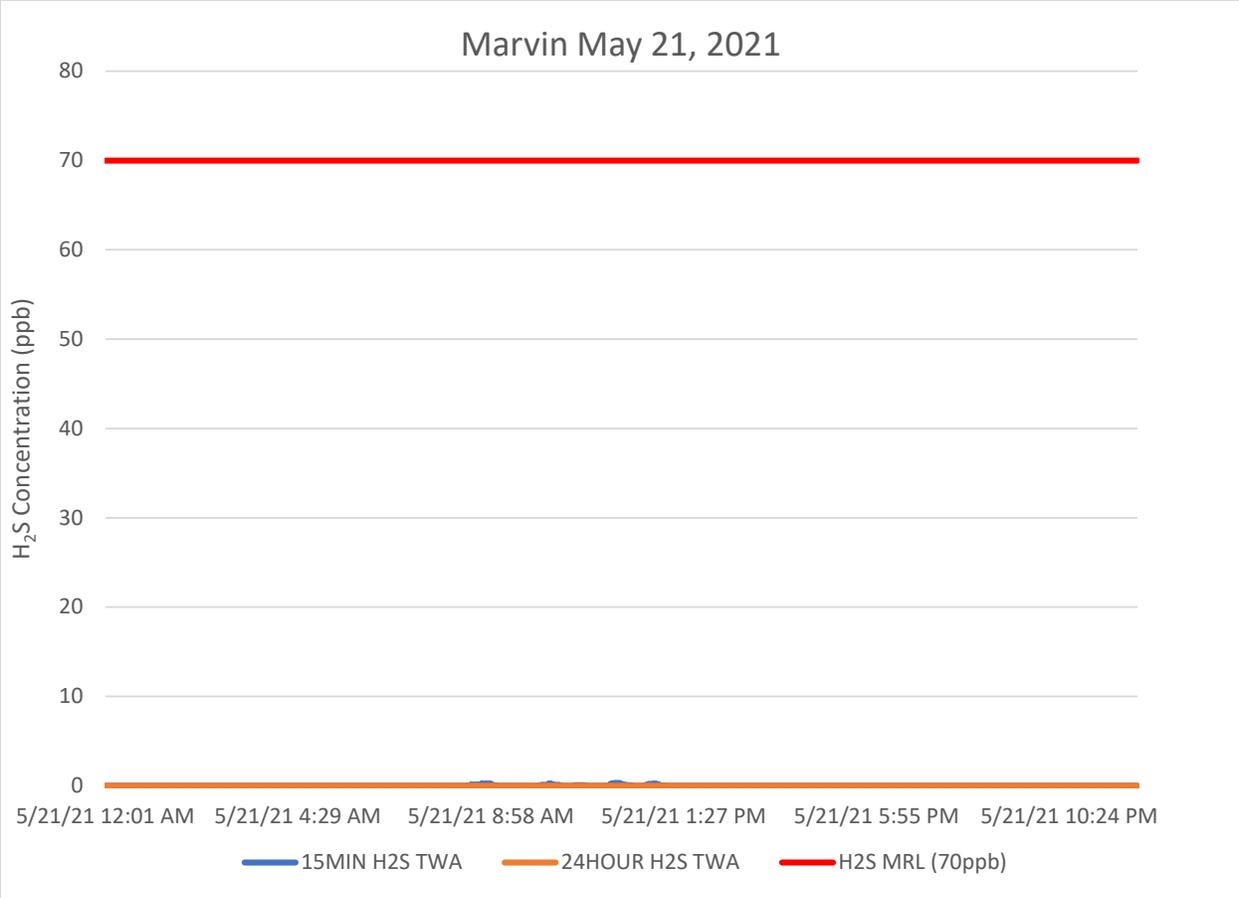
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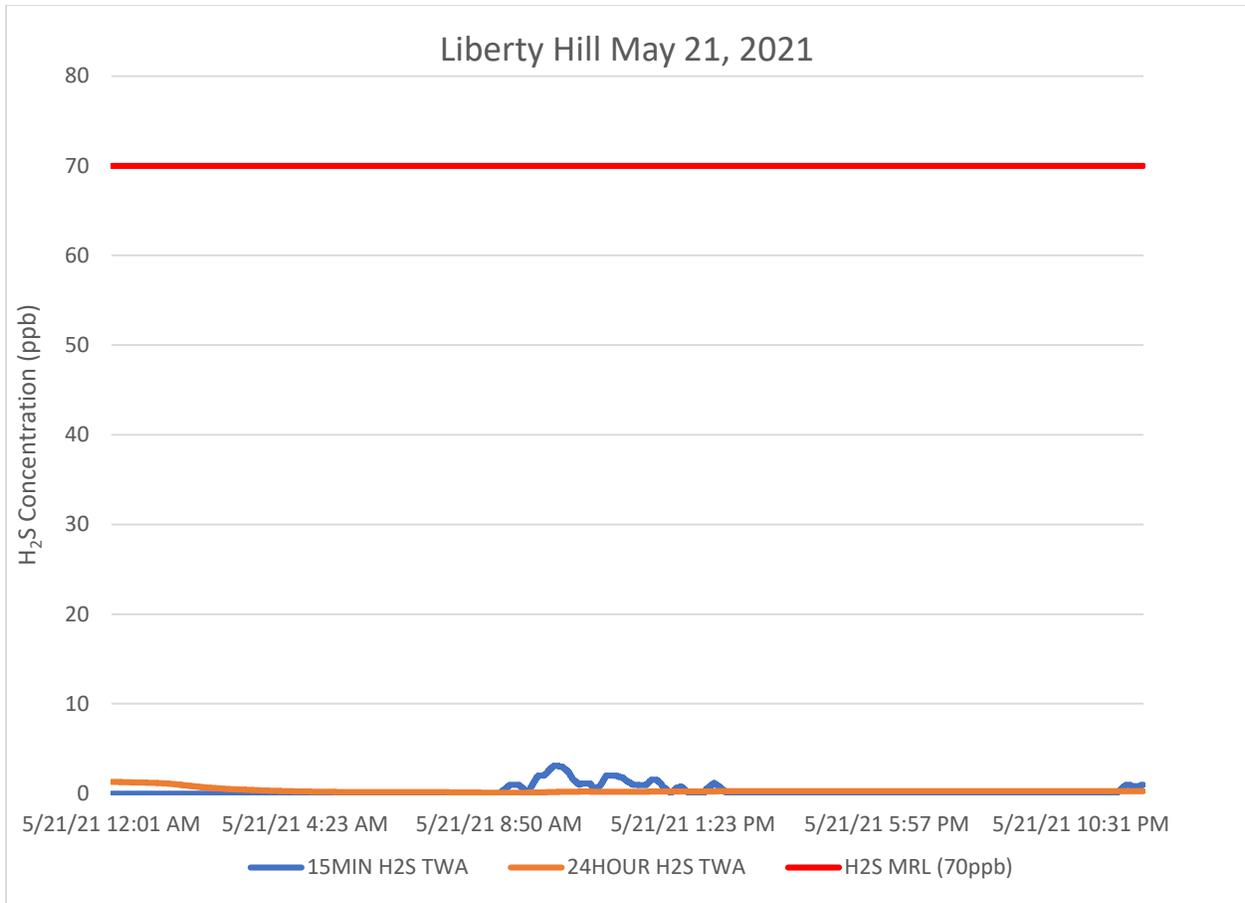
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