

Air Monitoring Summary Tables

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

Project Name: H₂S 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	H ₂ S	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	H ₂ S	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	H ₂ S	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	H ₂ S	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	H ₂ S	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	H ₂ S	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	H ₂ S	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	H ₂ S	No	53524	10246	0 - 4 ppb	0.28 ppb	70 ppb

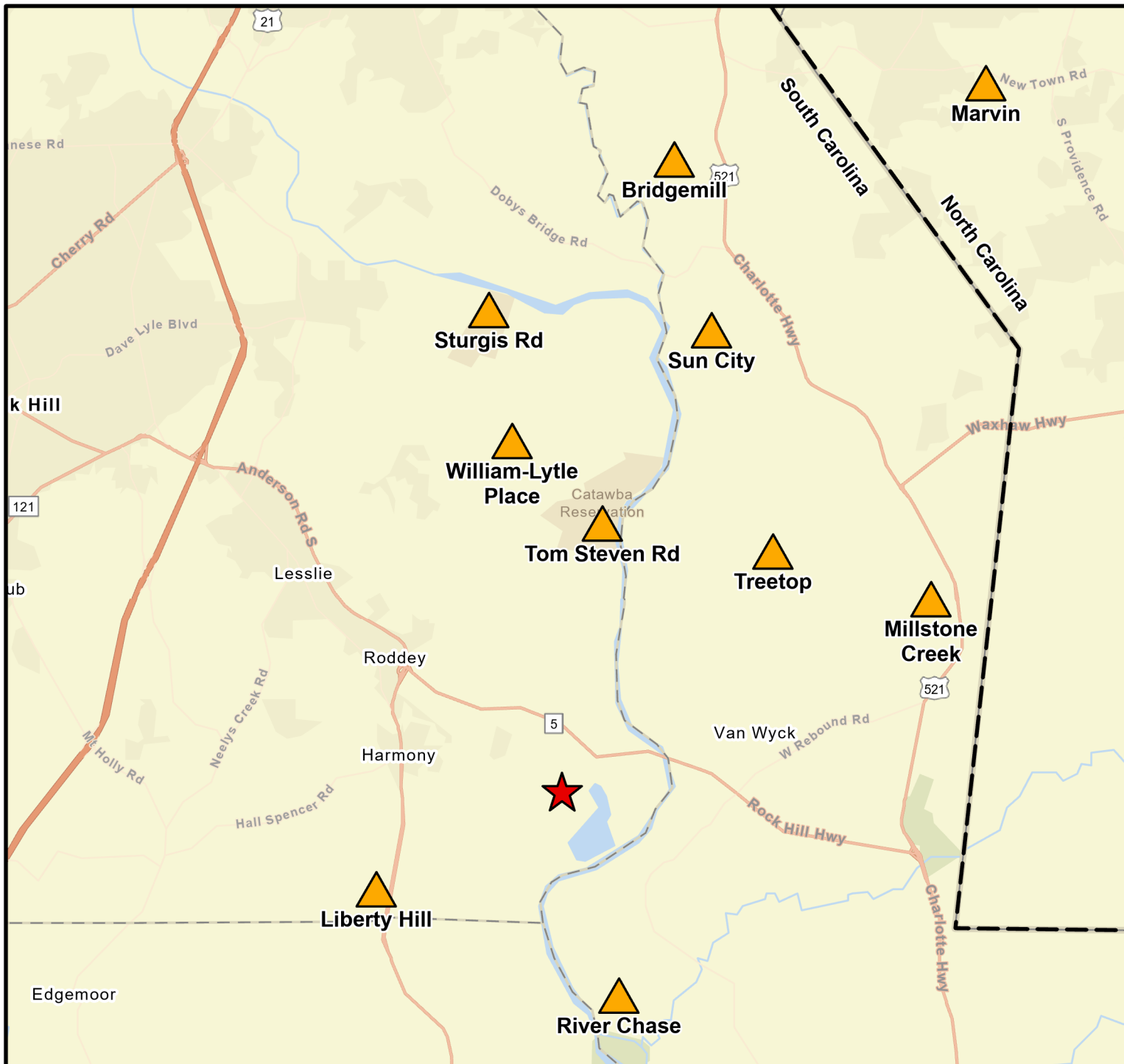
Treetop							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 9	H ₂ S	No	54446	17532	0 - 14 ppb	1.35 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	Action Level Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	Action Level
SPM Flex 10	H ₂ S	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)
 H₂S 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

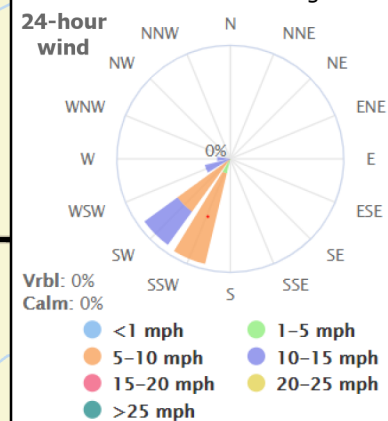
-  Fixed Monitoring Locations
-  New Indy Containerboard



Map Source:
ESRI Streets



Note: Wind diagram below shows the direction wind is blowing from.



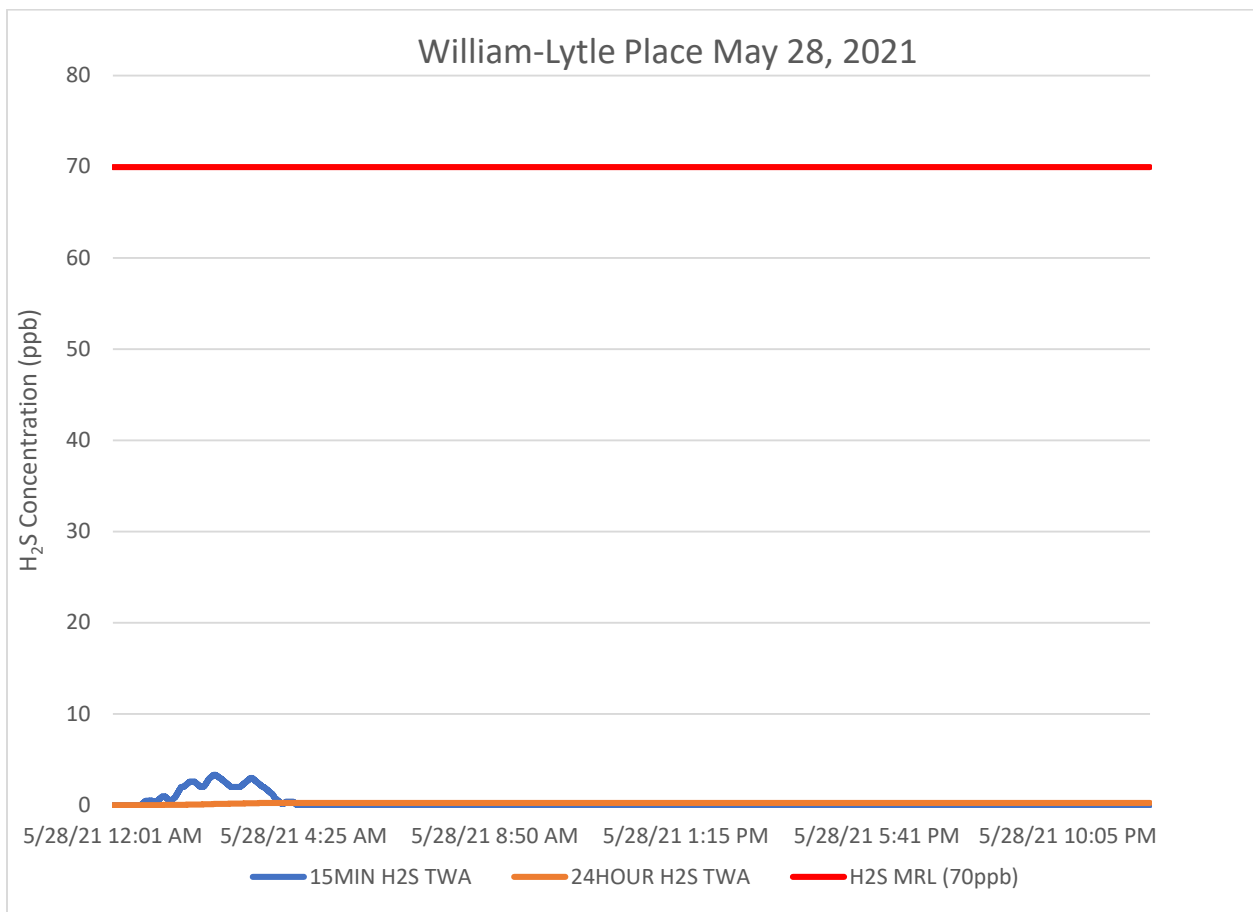
H₂S in South and North Carolina

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.

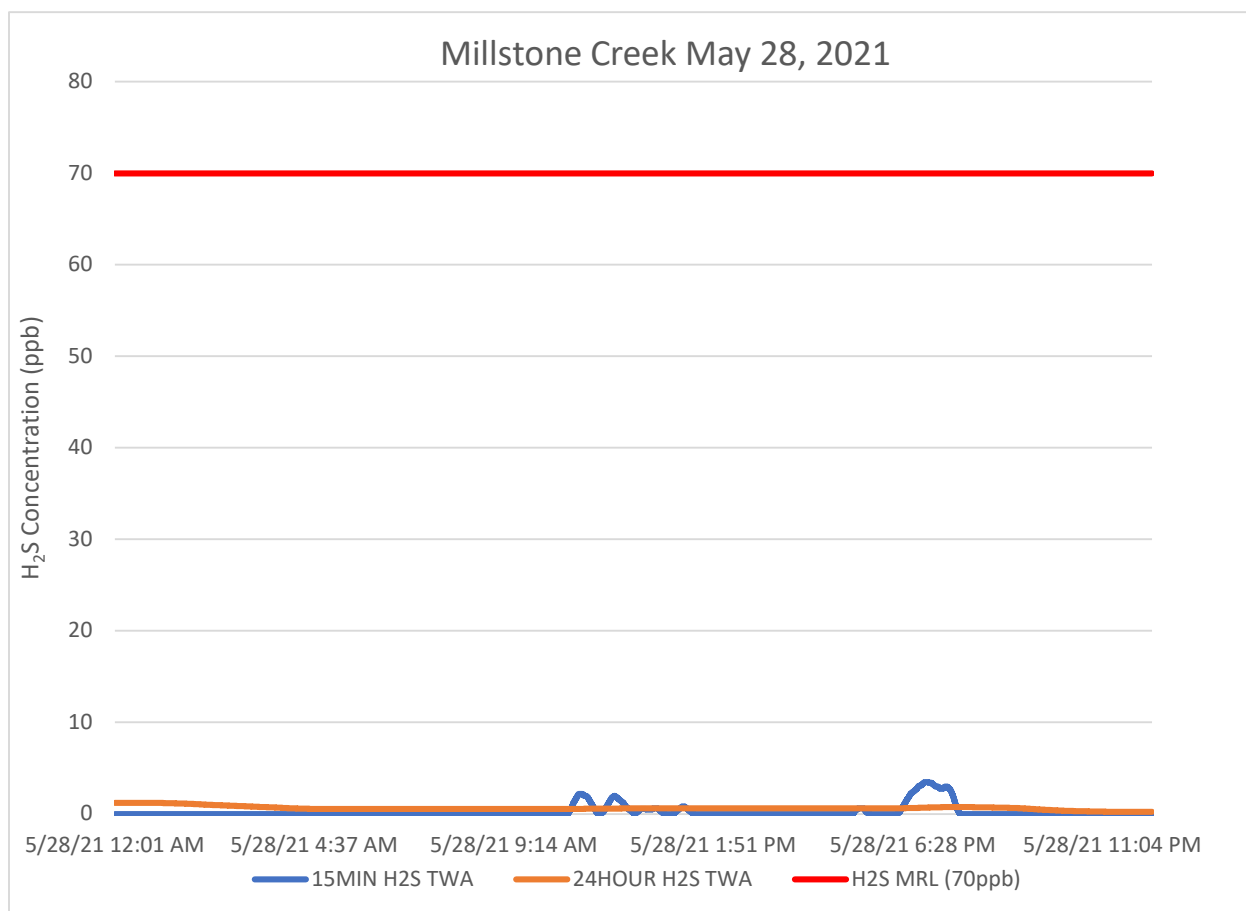
The prevailing wind directions for this reporting period were out of the southwest and south-southwest. See wind rose diagram on location figure for full wind data during this reporting period.

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



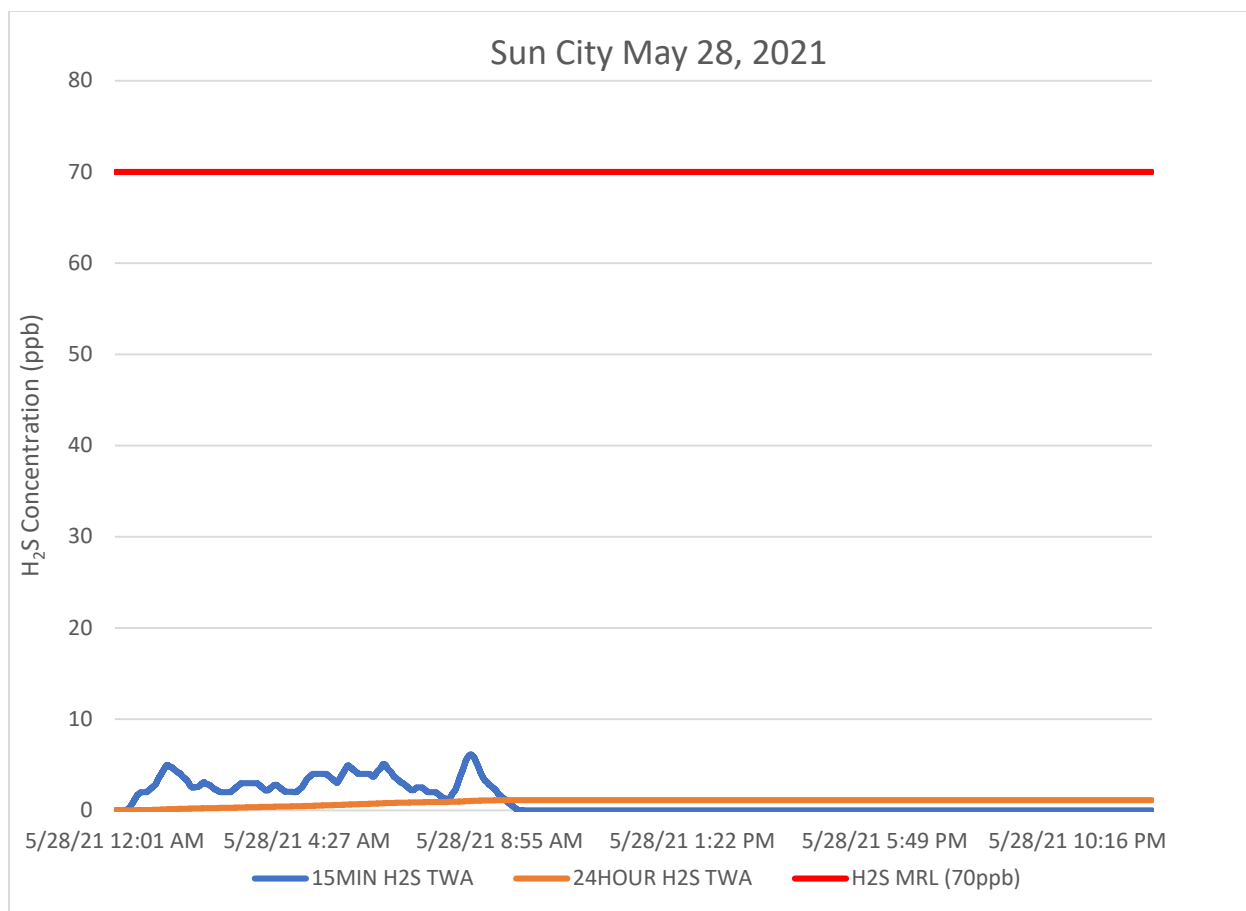
Notes:

H₂S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion
TWA – Time weighted average



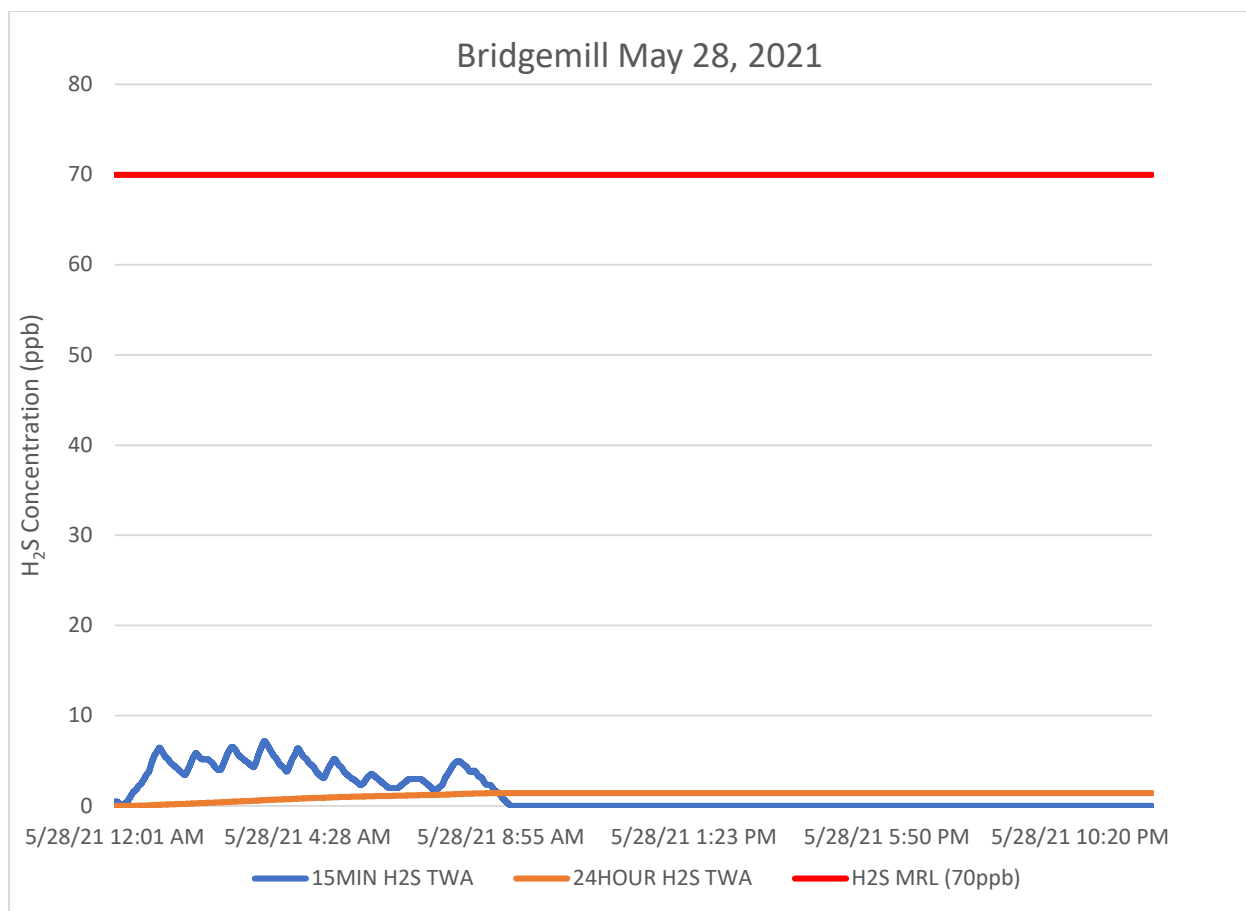
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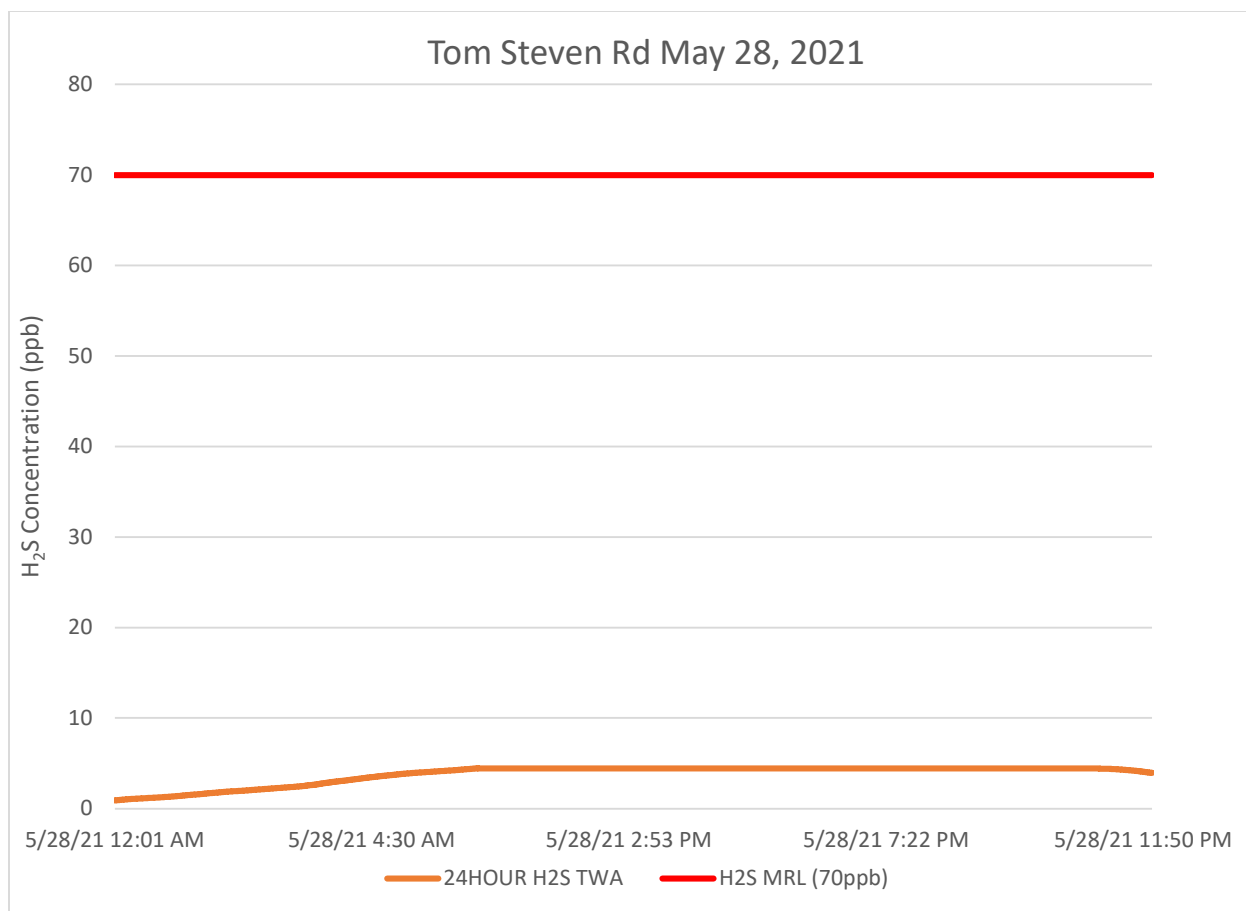
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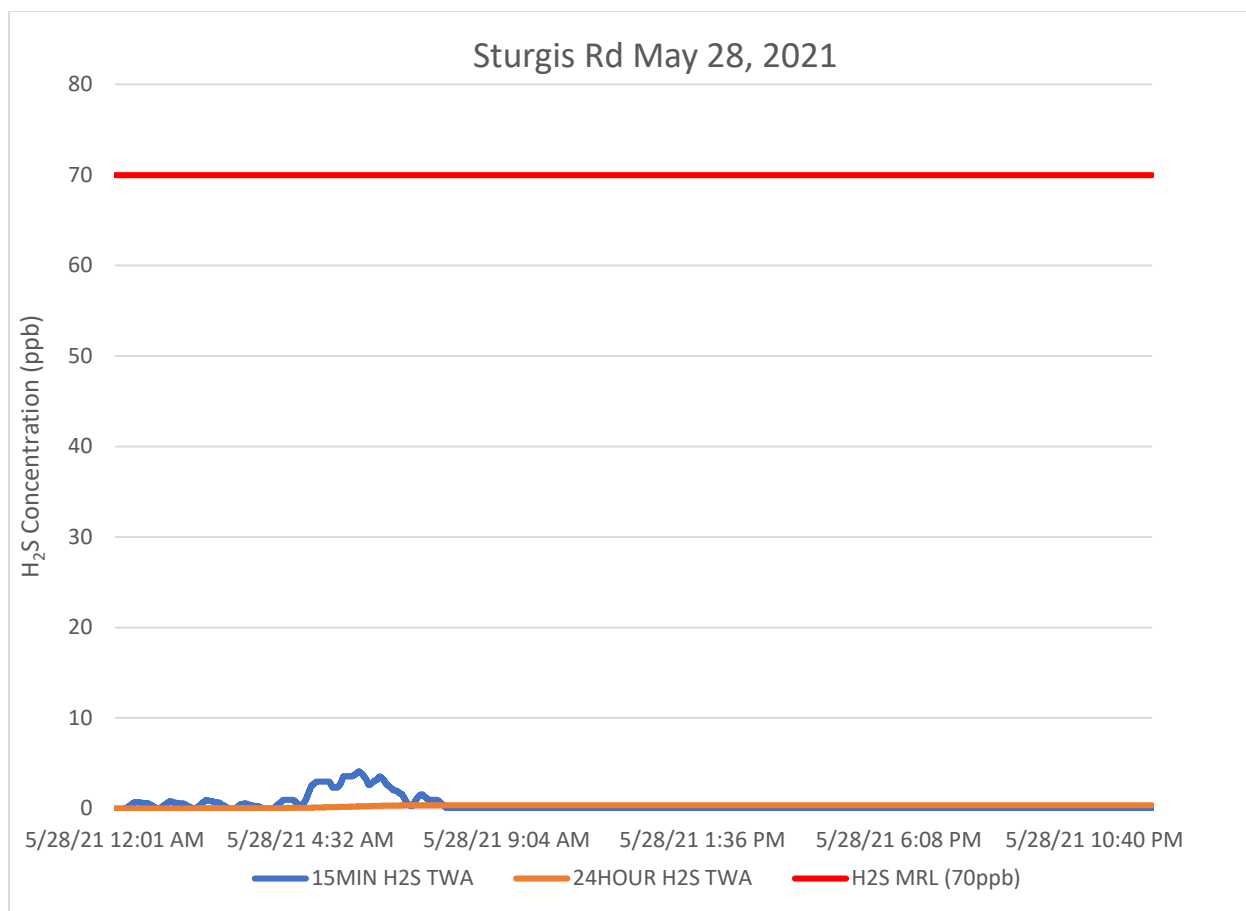
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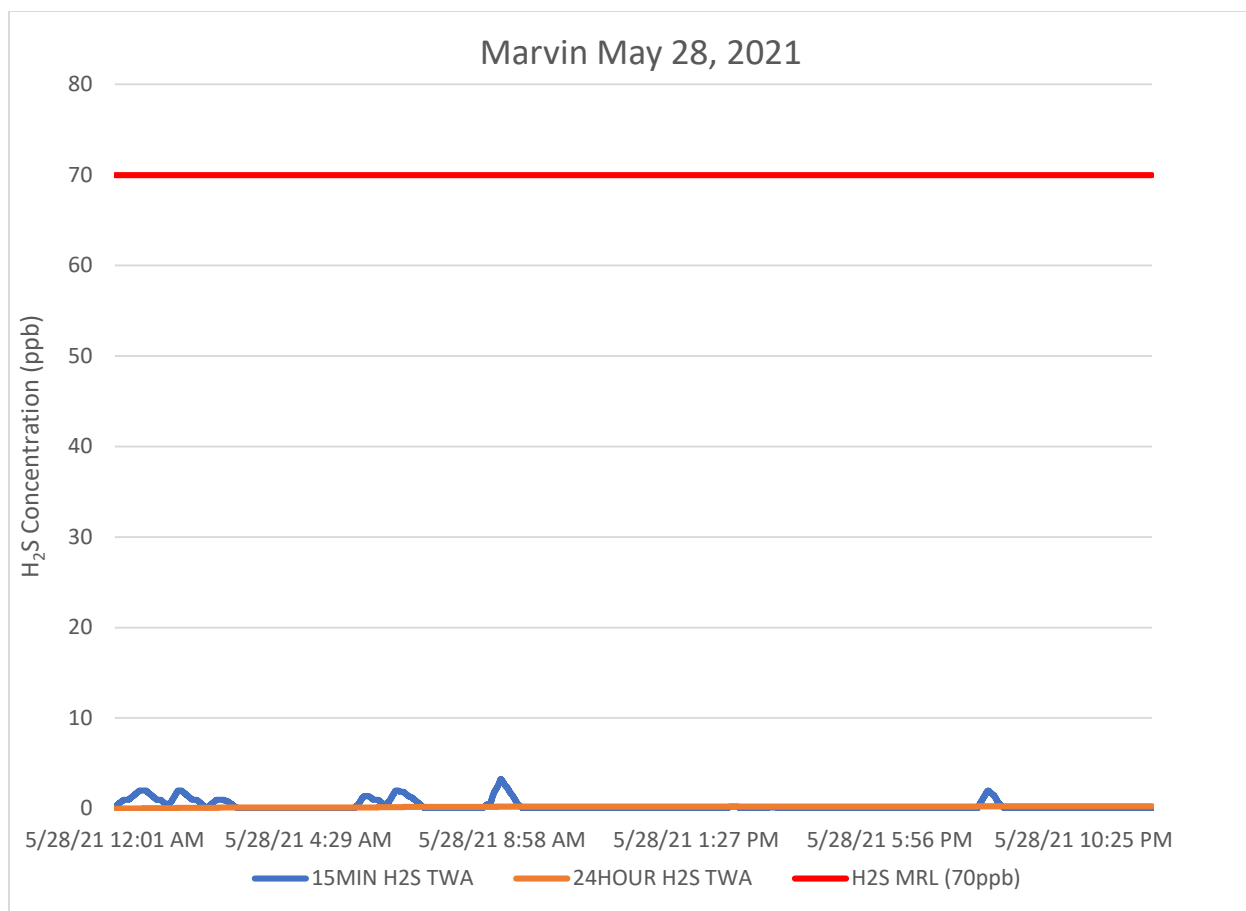
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*An accurate graph of the 15MIN H₂S TWA at Tom Steven Rd could not be generated for this reporting period due to intermittent equipment outages at this location.



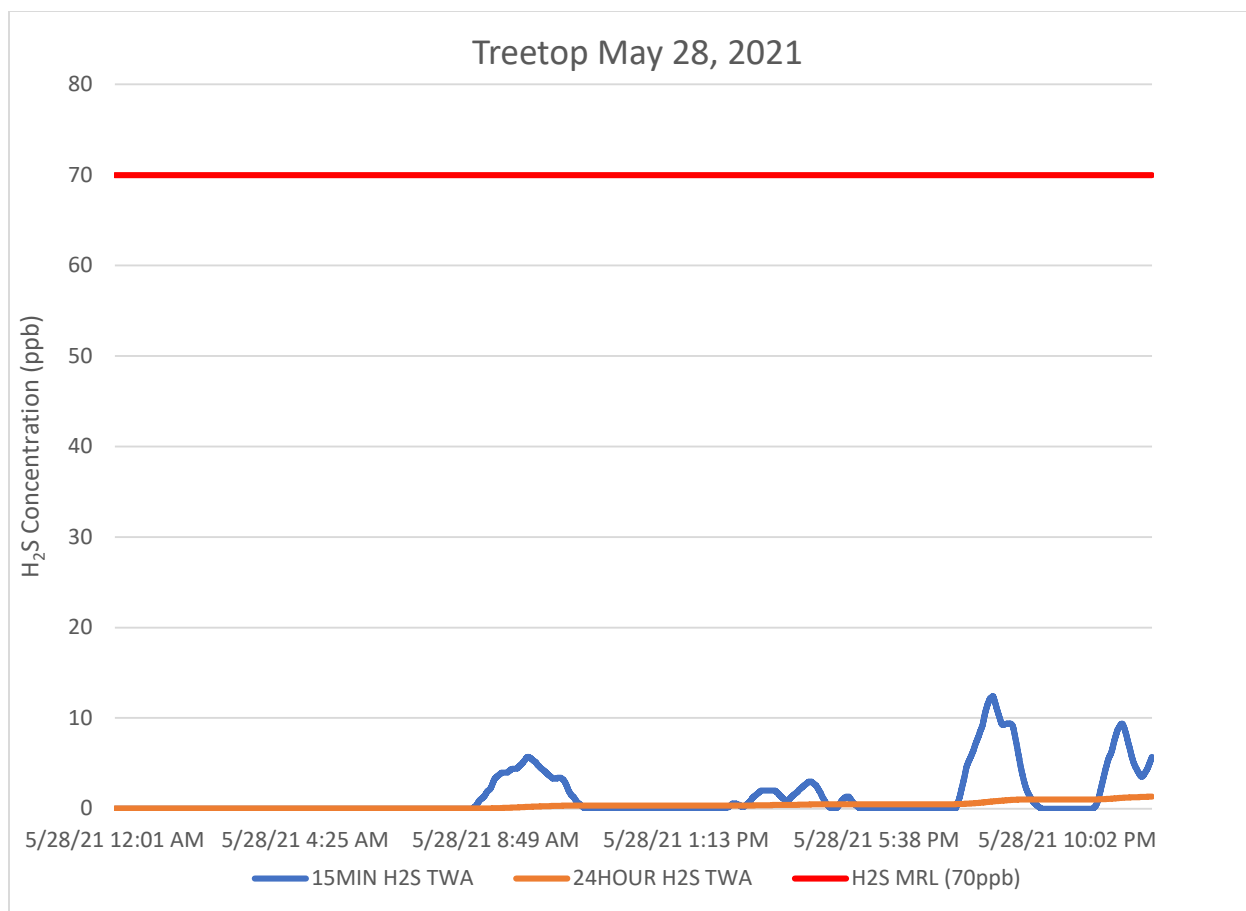
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