

Air Monitoring Summary Tables

This table summarizes monitoring data collected using DHEC monitors and EPA's Viper wireless remote monitoring system.

Project Name: H₂S in South Carolina



From: 7/11/21
12:02 AM

To: 7/11/21
11:59 PM

Tom Stevens Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H2S	No	26161	6099	0 - 40 ppb	2.42 ppb	70 ppb

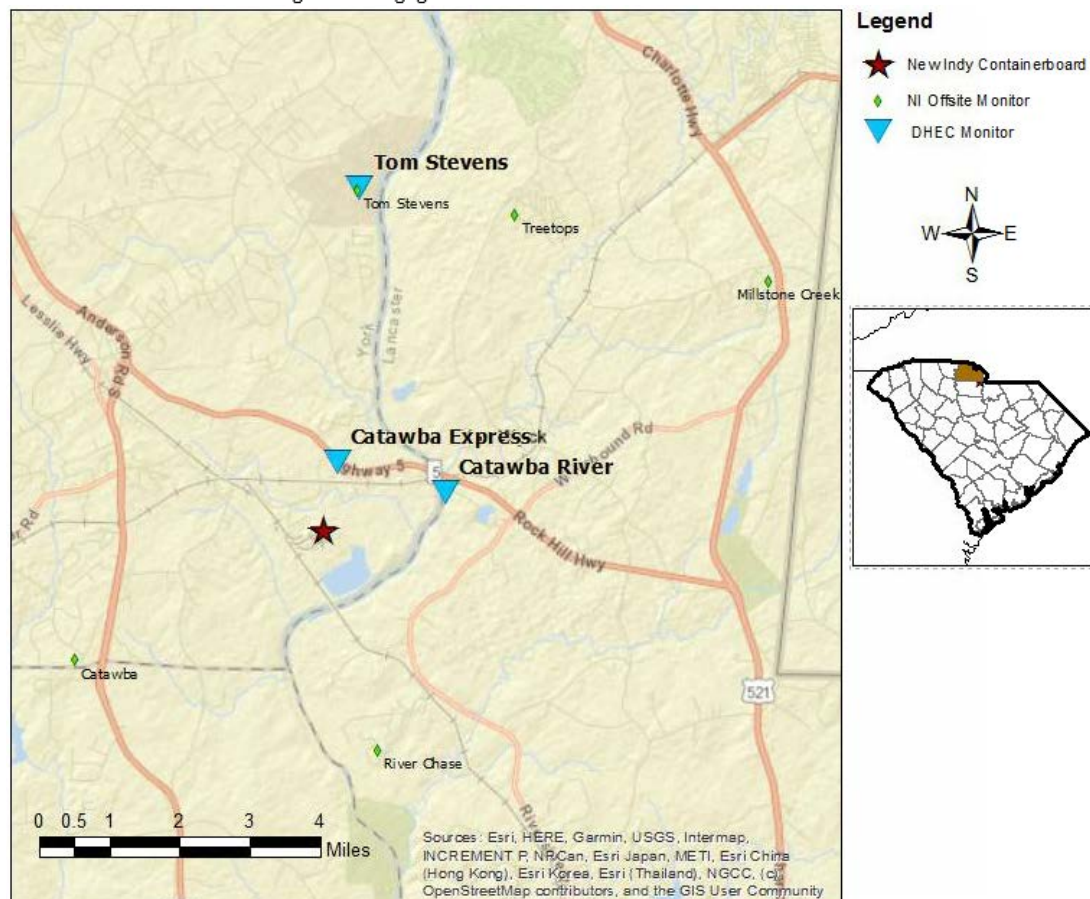
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	27468	3625	0 - 2 ppb	0.13 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26120	5041	0 - 154 ppb	11.42 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

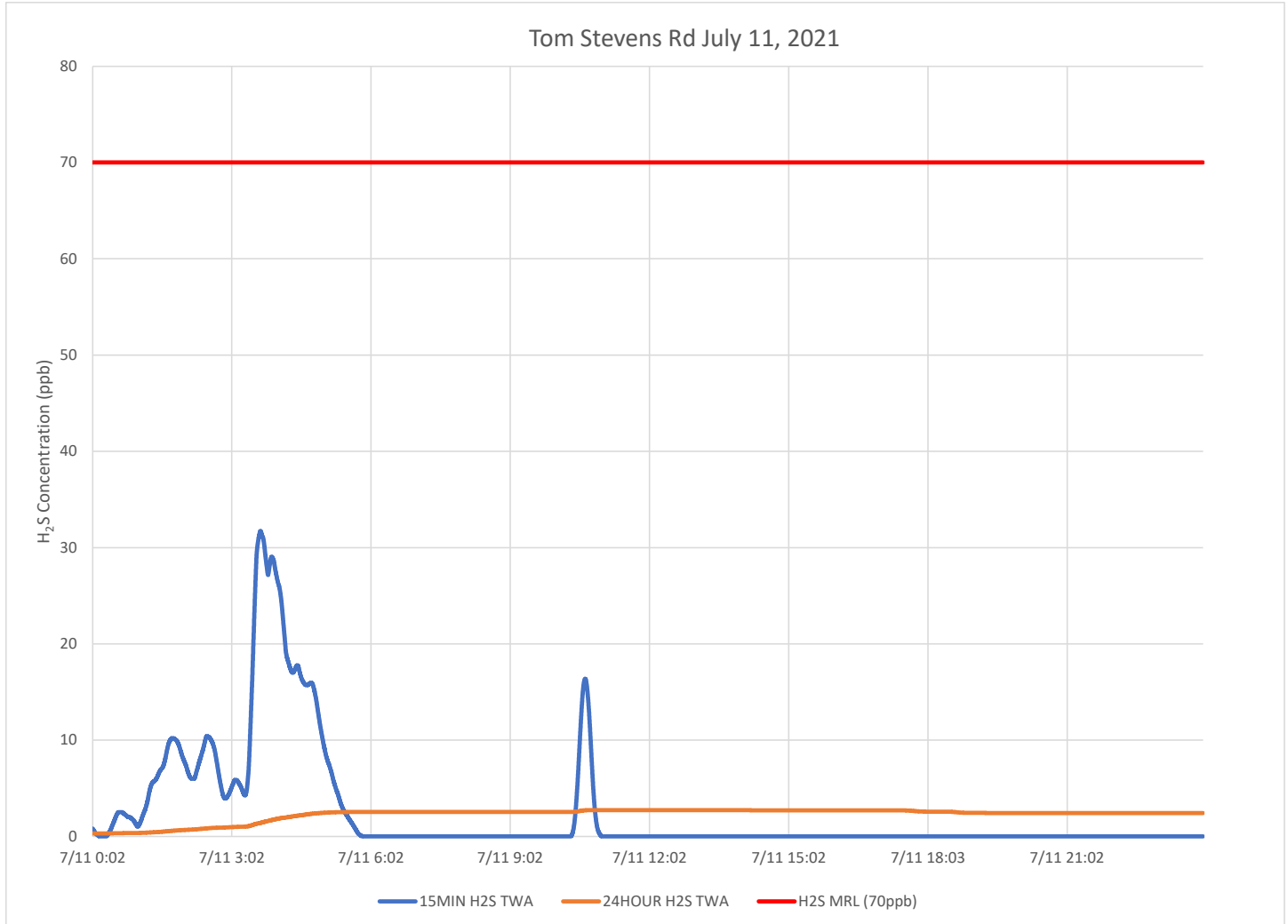


H₂S in South Carolina

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

Predominant winds for this period were from the southwest.

The elevated concentrations of H₂S detected at the Catawba Express monitoring site late Saturday (7/10/21) were detected through the early morning hours but returned to less than 1ppb by 4AM on Sunday. The 24 Hour MRL was not exceeded.



Notes:

Time is Eastern Daylight Time

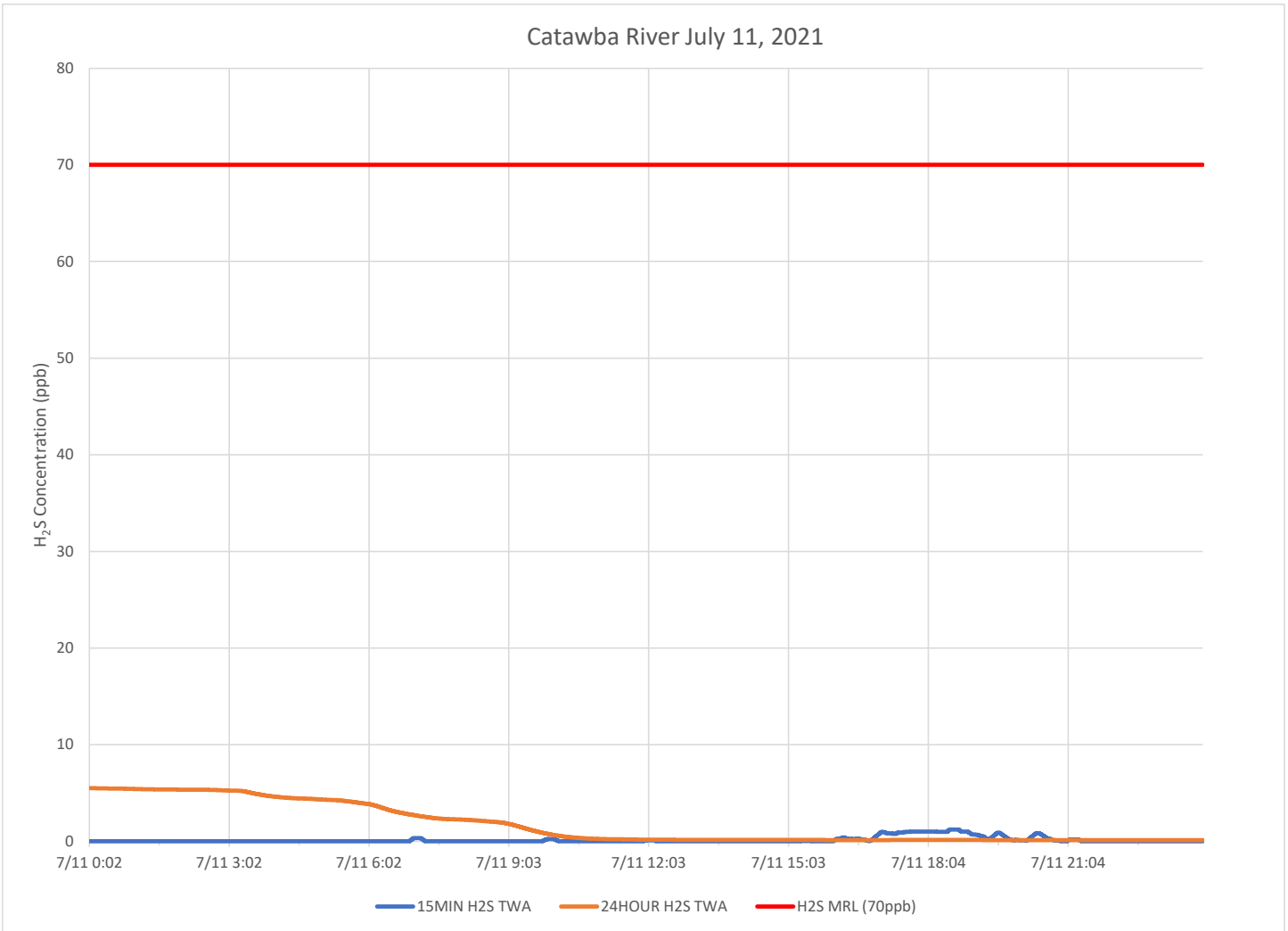
H₂S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

Catawba River July 11, 2021



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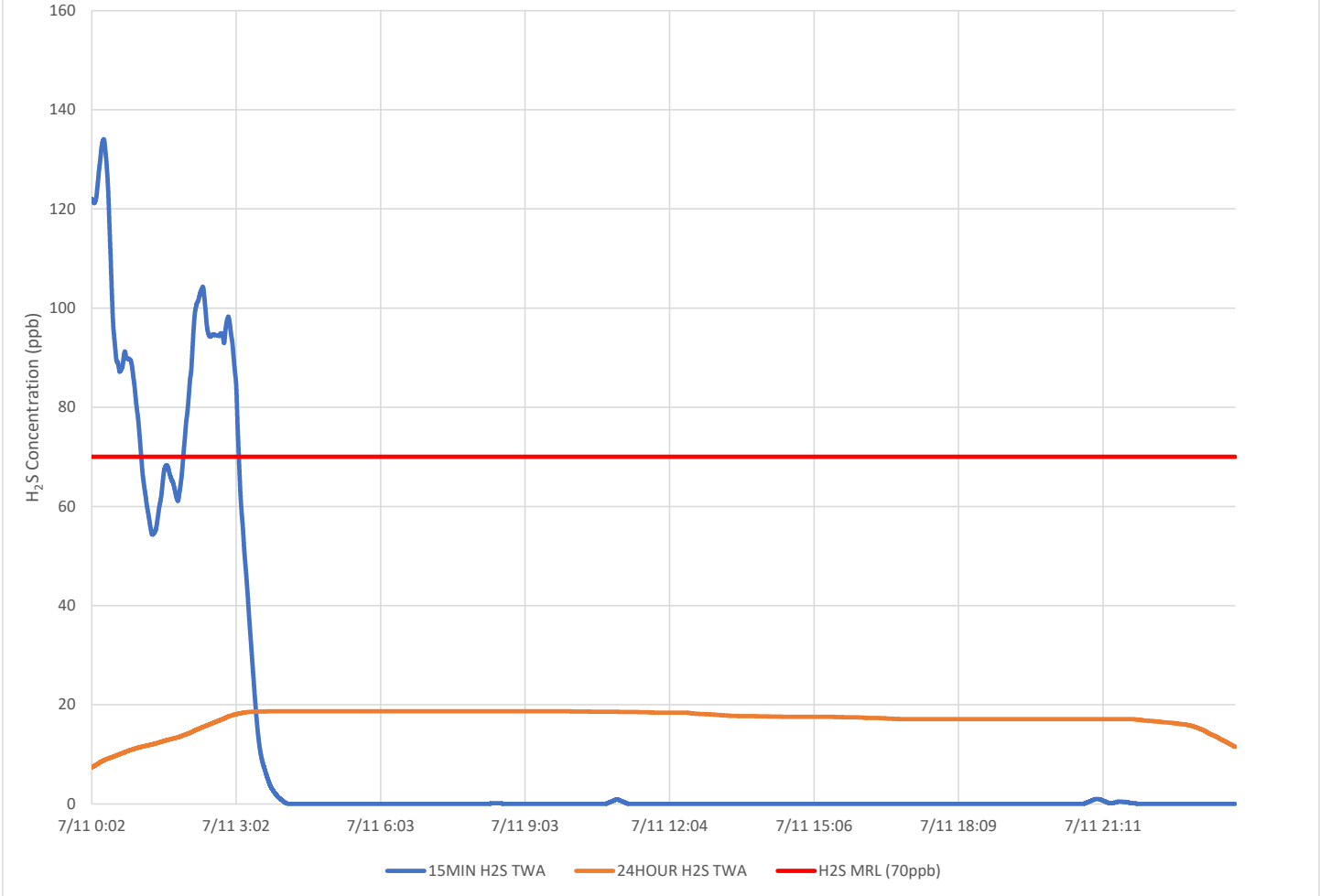
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Catawba Express July 11, 2021



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