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: 10/12/21 12:00 AM   **To:** 10/12/21 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	2983	0	0 - 0 ppb	0 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	3015	0	0 - 0 ppb	0 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	5713	1266	0 - 25 ppb	2.7 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
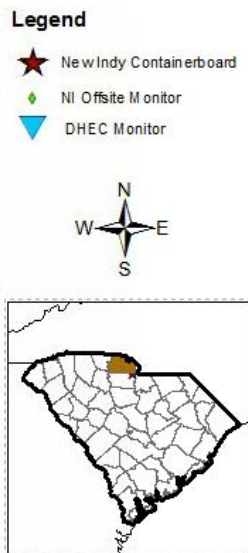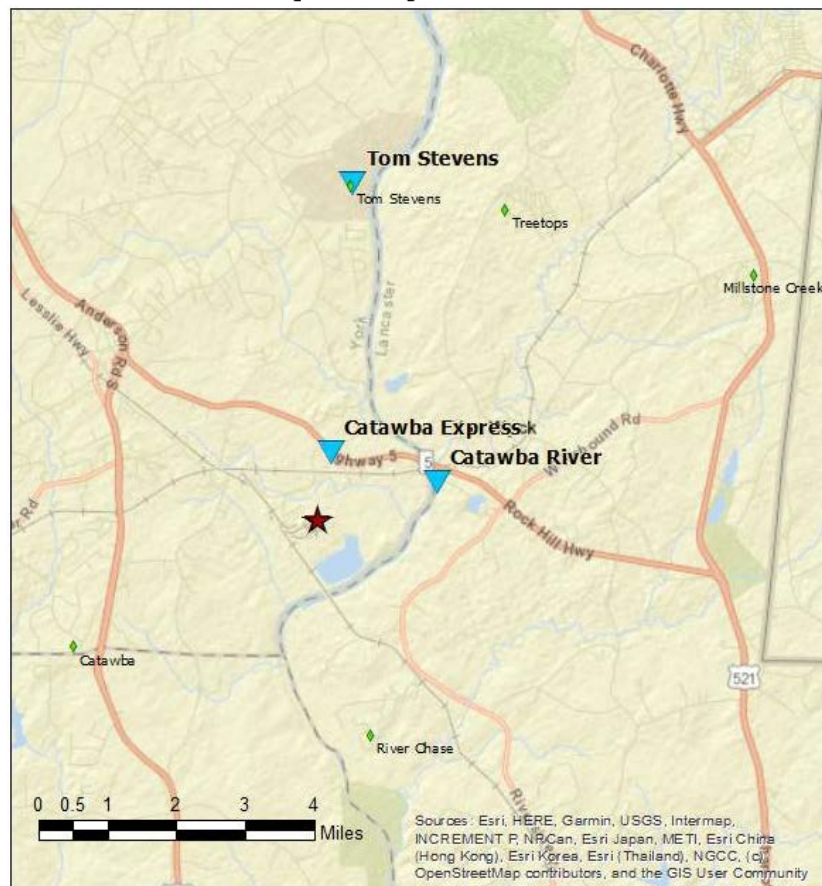
H₂S in South Carolina

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

Winds during this period were light and variable , but when present came from the north northeast through east northeast.
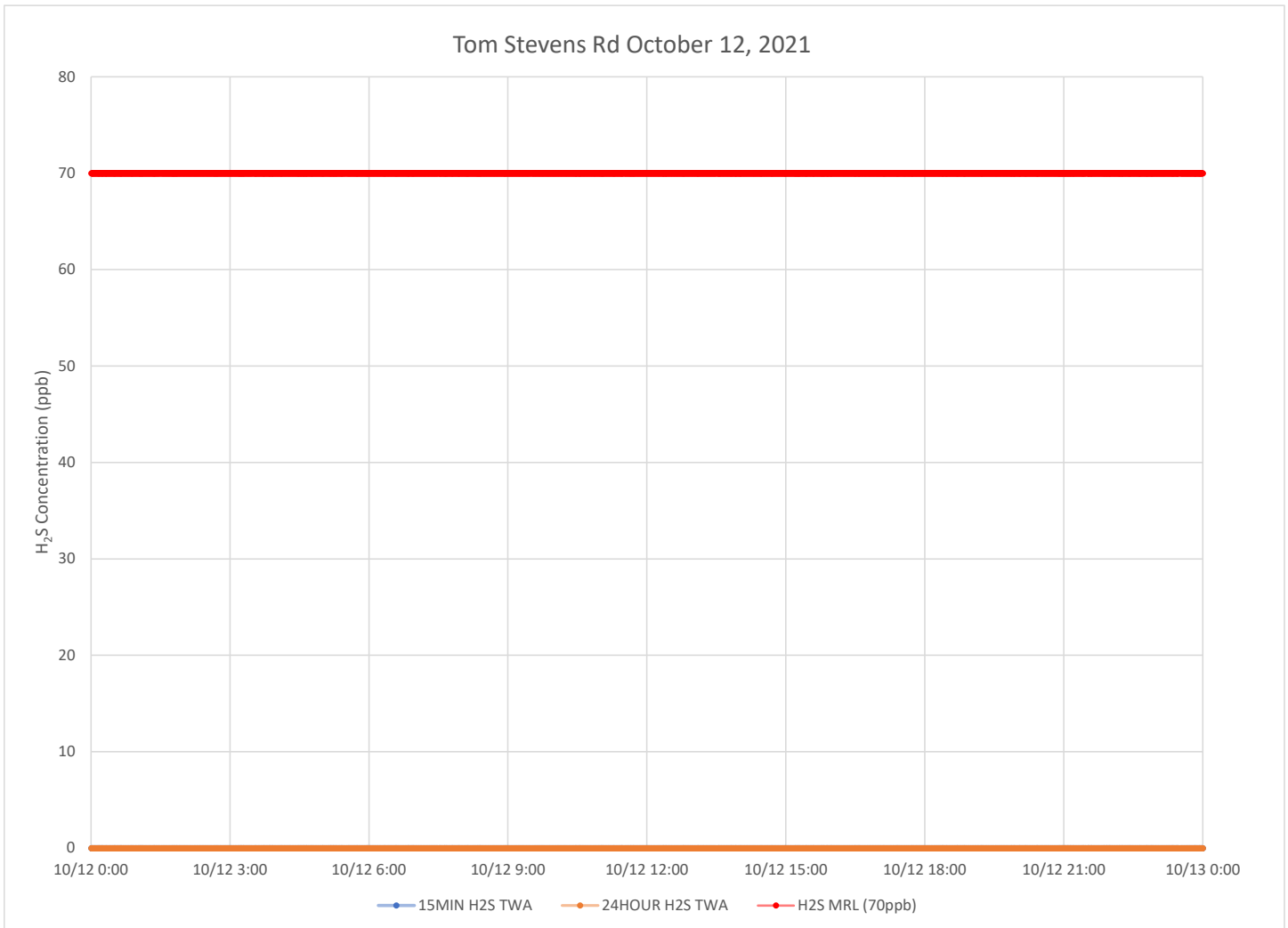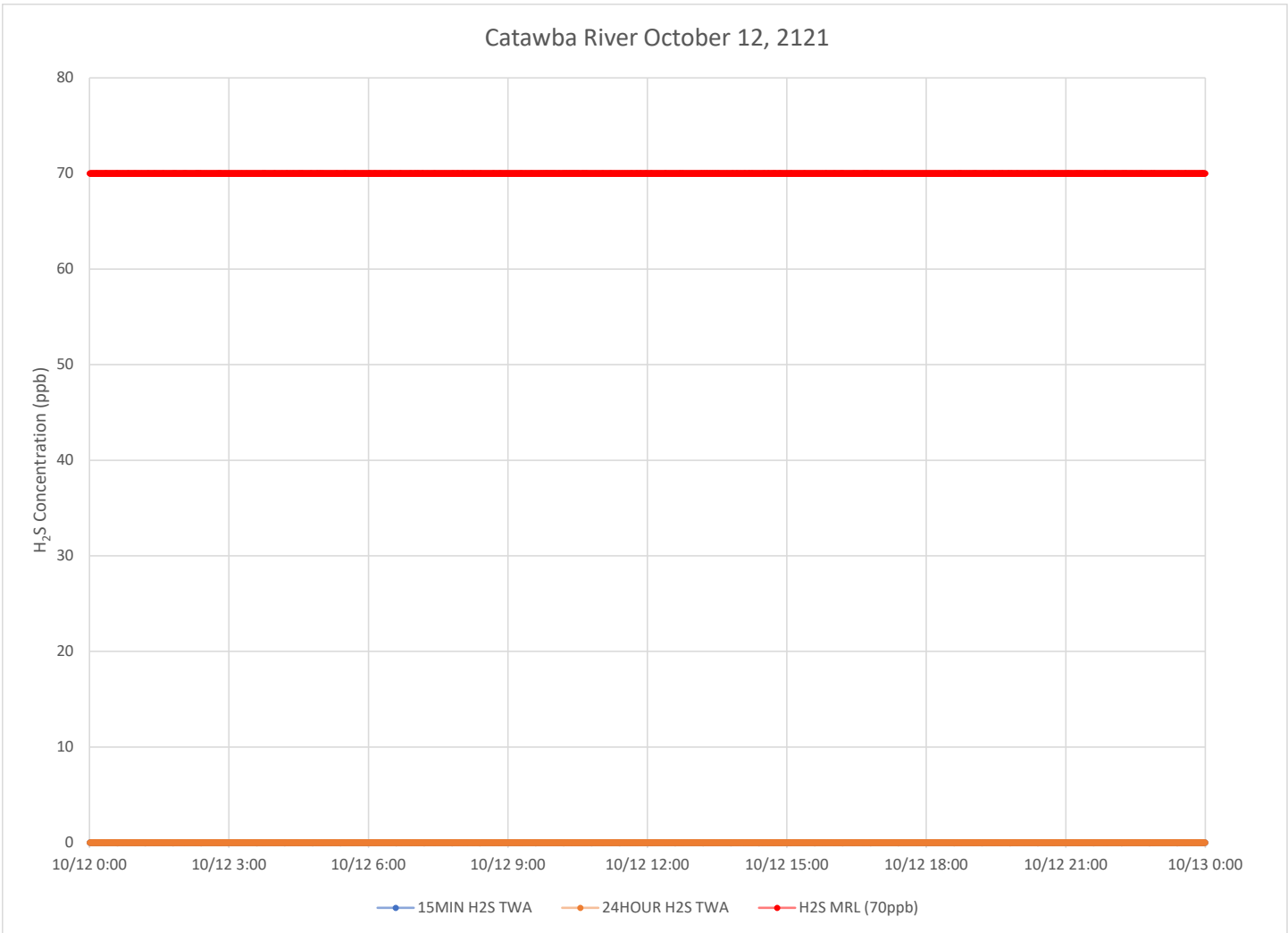

Notes:

Time is Eastern Daylight Time
H₂S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Catawba River October 12, 2121

Legend: 15MIN H2S TWA — 24HOUR H2S TWA — H2S MRL (70ppb)

(Y-axis: H₂S Concentration (ppb), values 0 to 80)
(X-axis: 10/12 0:00, 10/12 3:00, 10/12 6:00, 10/12 9:00, 10/12 12:00, 10/12 15:00, 10/12 18:00, 10/12 21:00, 10/13 0:00)
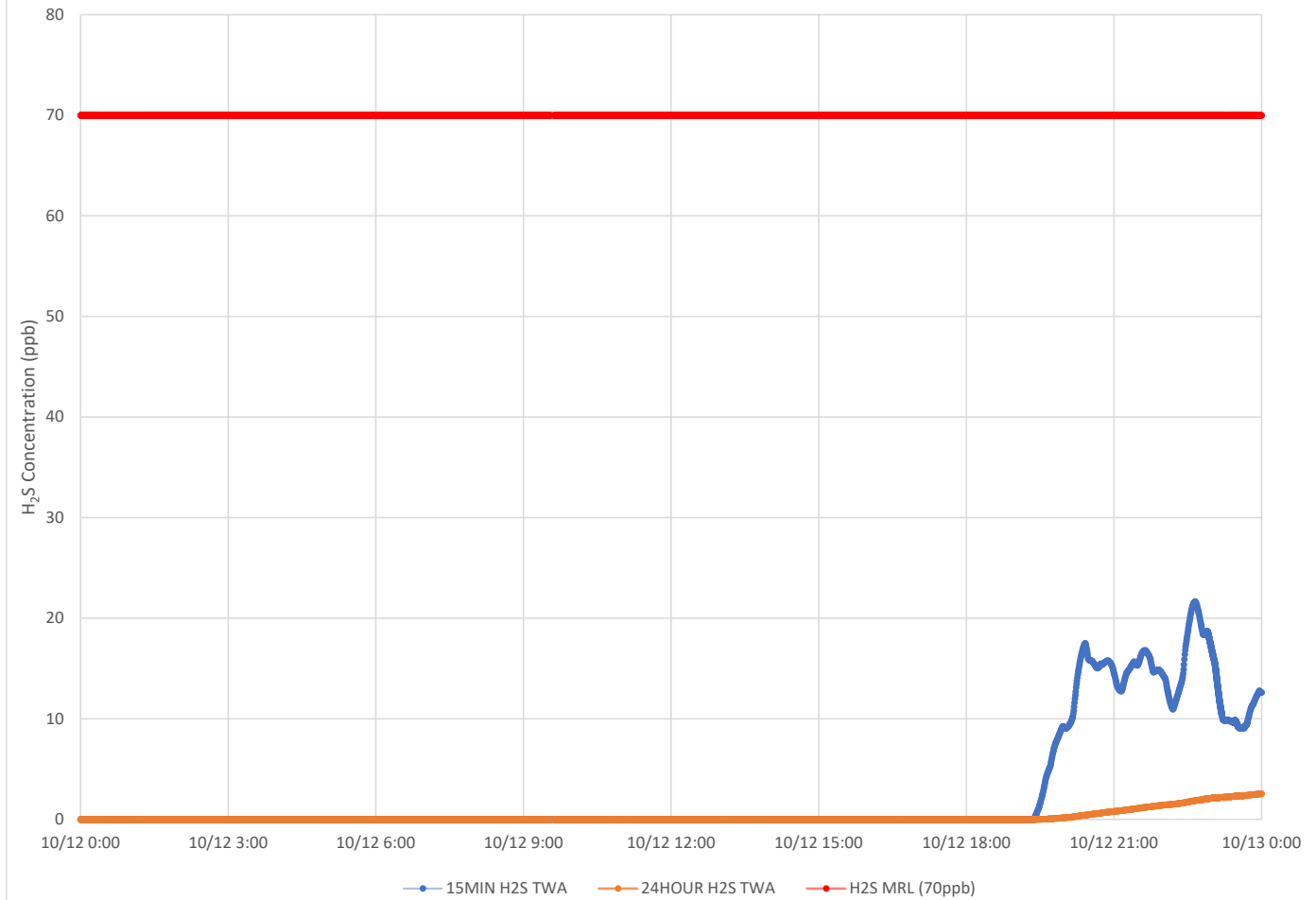
Notes:

Time is Eastern Daylight Time

H_2S – Hydrogen Sulfide

MIN – Minute

MRL – Minimal Risk Level

ppb – Parts per billion

Catawba Express October 12, 2021

Notes:

Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion