Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/1/21 12:00 AM** ***To:*** **7/1/21 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	27375	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	26623	7258	0 - 3 ppb	0.39 ppb	70 ppb

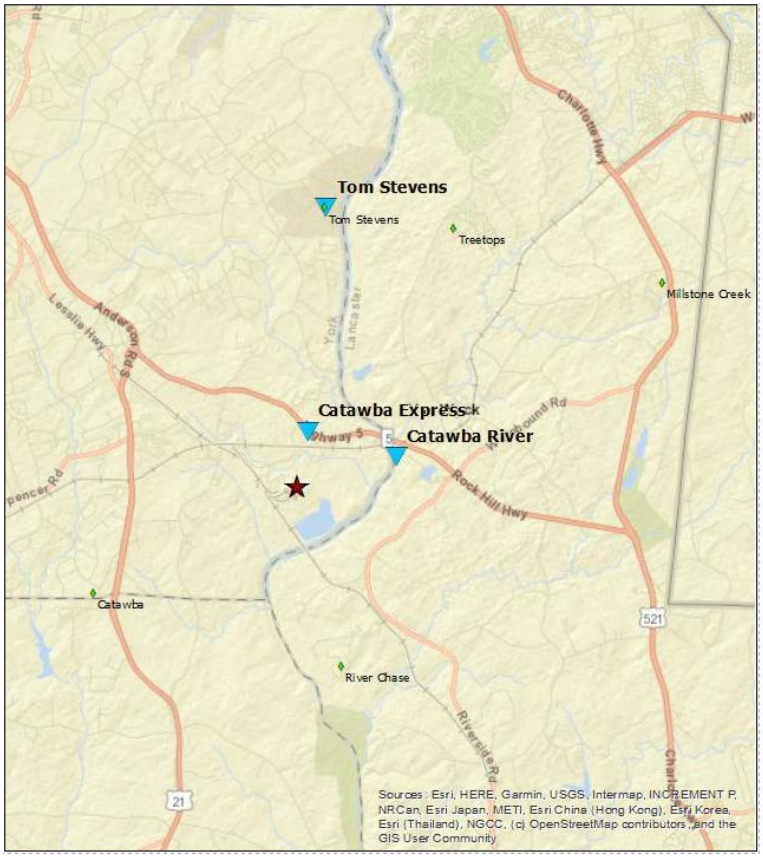
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27411	740	0 - 11 ppb	0.08 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_2S	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 Avergage

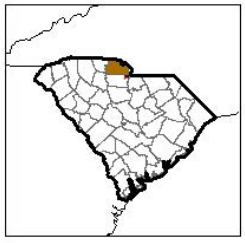


Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

N W E S

0 0.5 1 2 3 4 Miles



H_2S in South Carolina

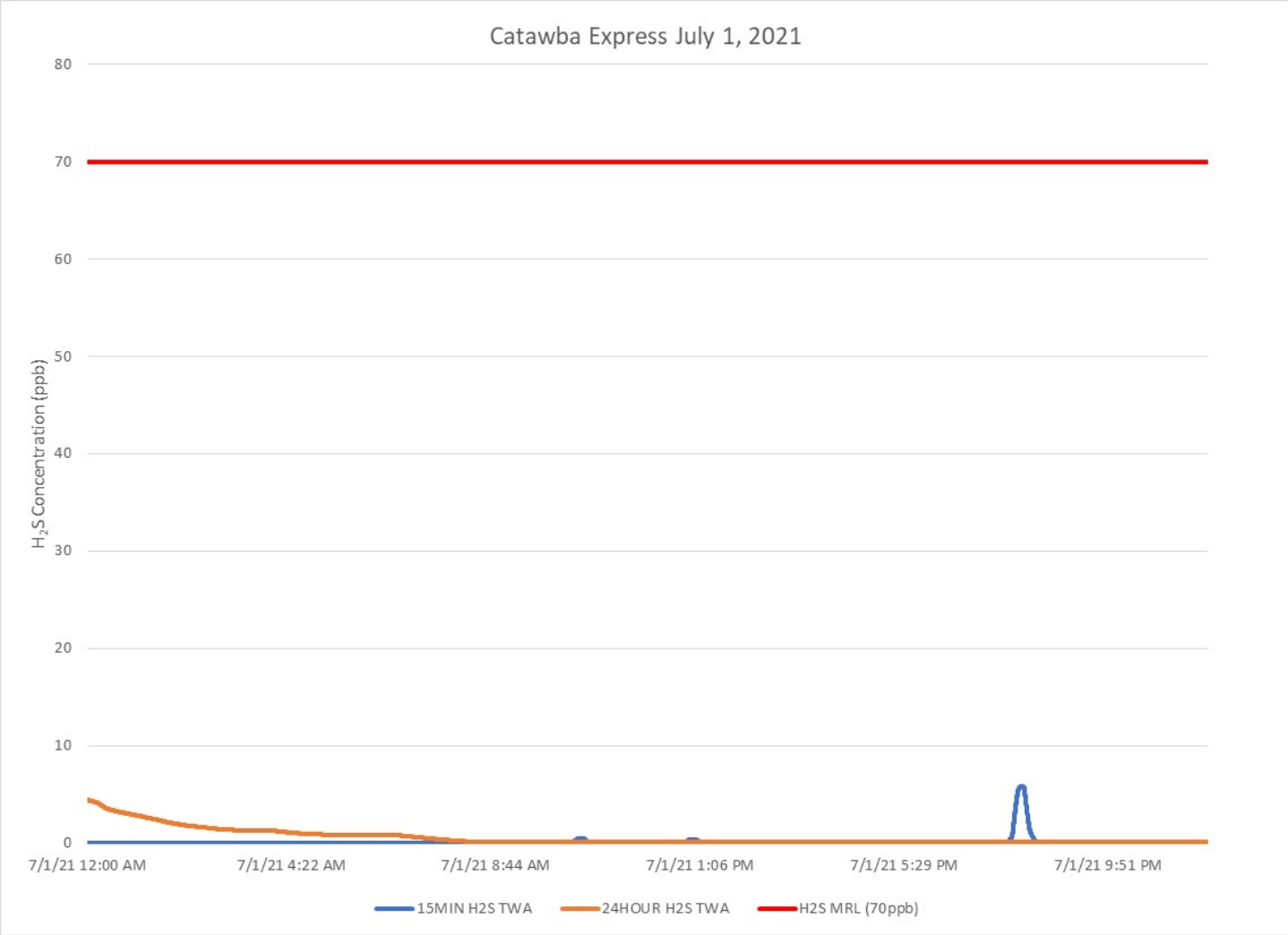
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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

The prevailing wind for this reporting period was out of the southwest to south-southwest.

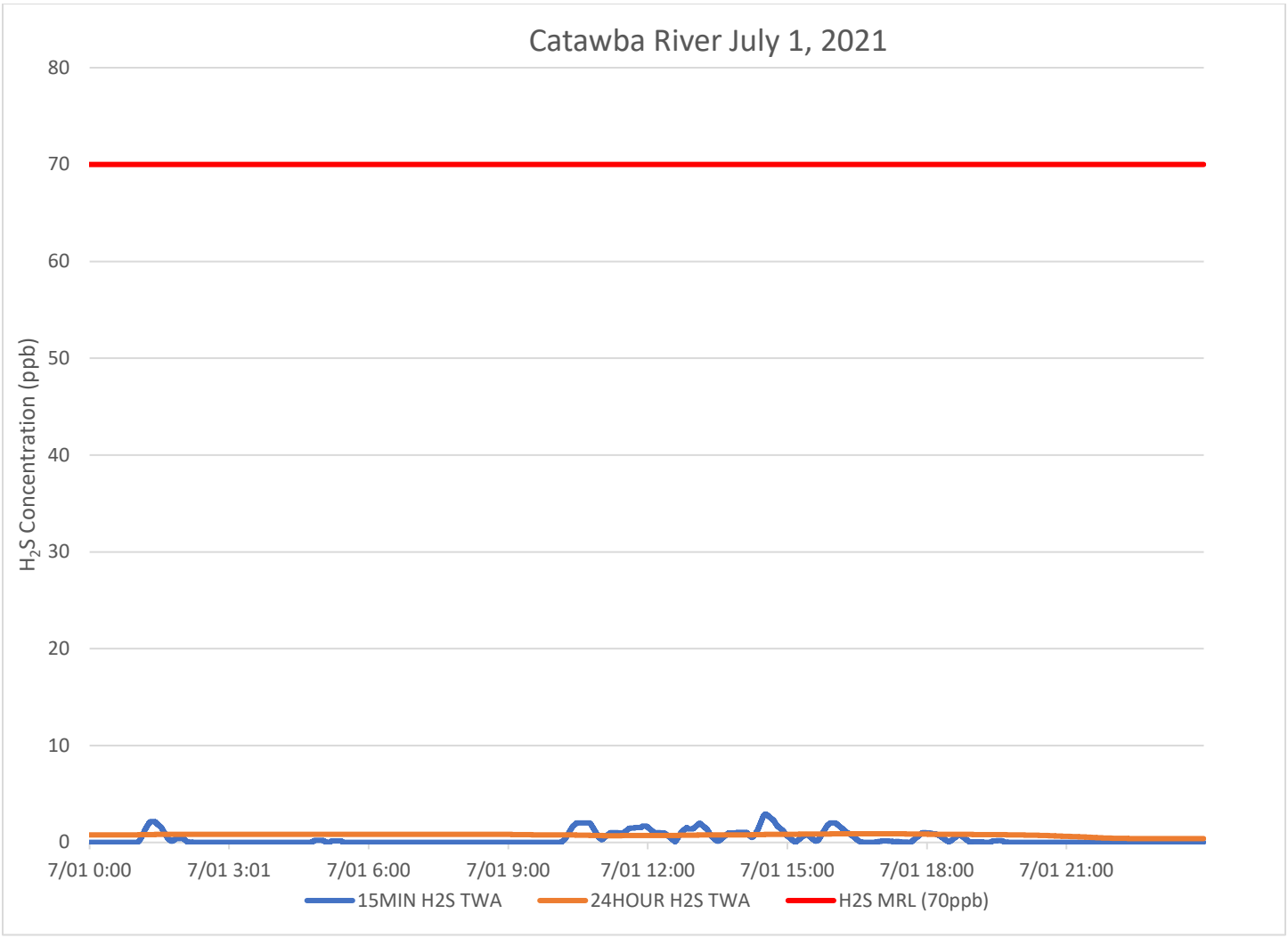
The following locations did not detect hydrogen sulfide above 1 part per billion (bbb) during this reporting period:

Tom Stevens Road.



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/2/21 12:02 AM** ***To:*** **7/2/21 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	27378	1062	0 - 4 ppb	0.09 ppb	70 ppb

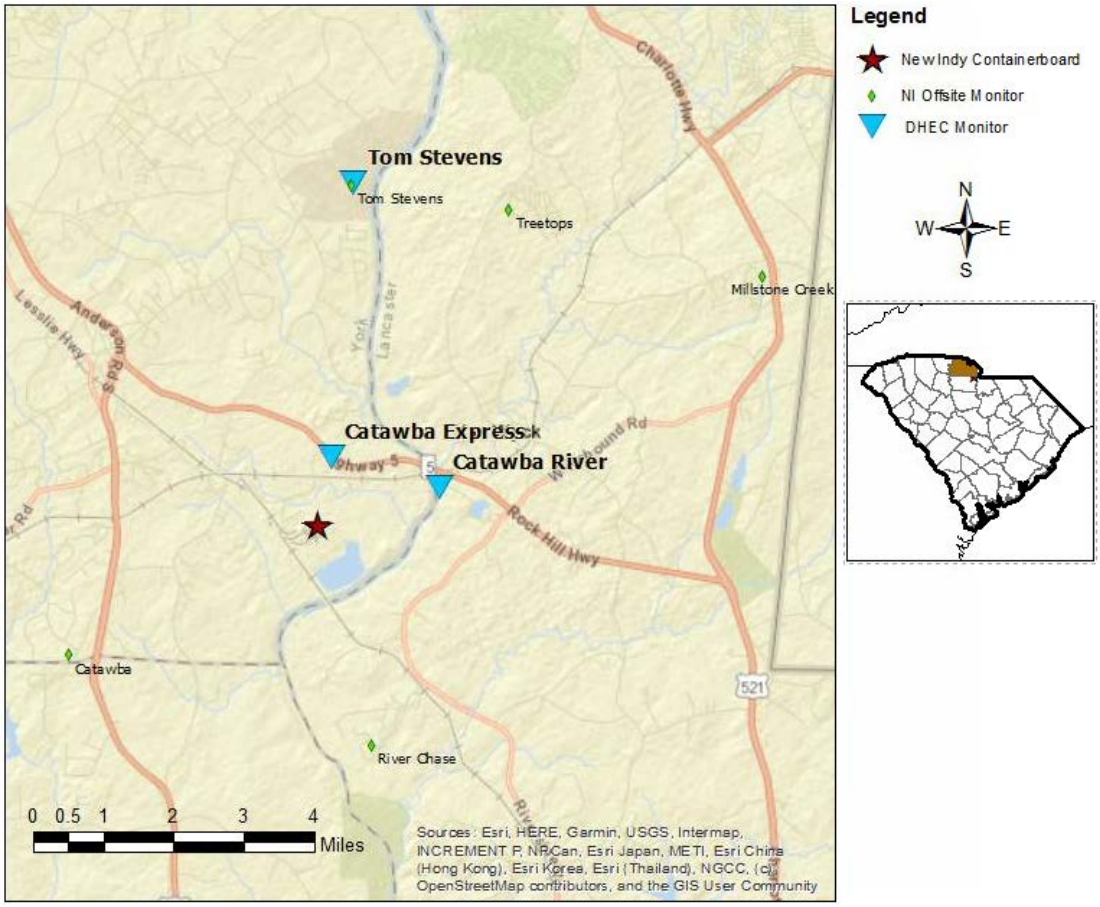
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26569	4010	0 - 4 ppb	0.32 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	13665	897	0 - 3 ppb	0.12 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_2S	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 Avergage



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

N
W E
S

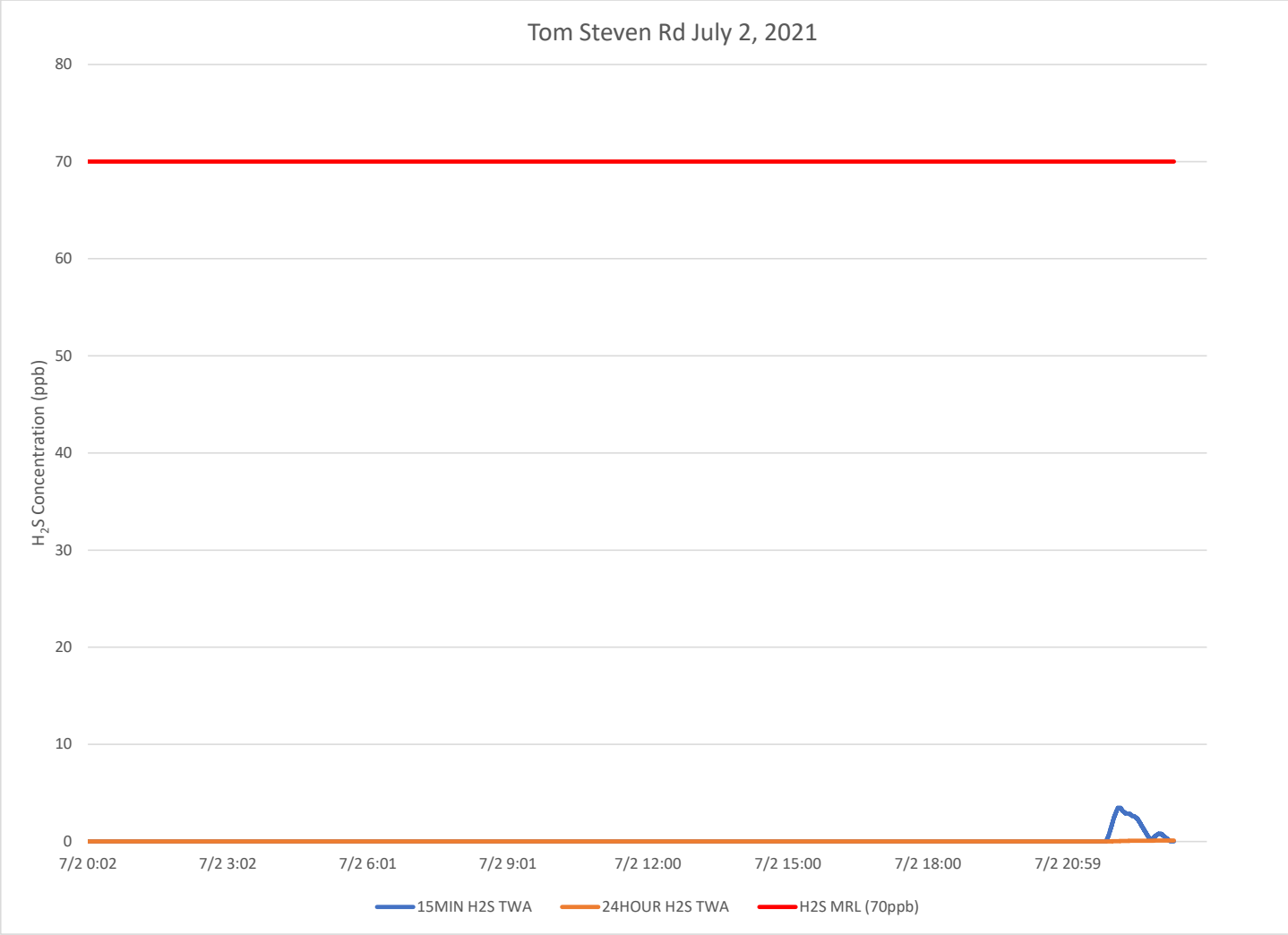
H_2S in South Carolina

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.

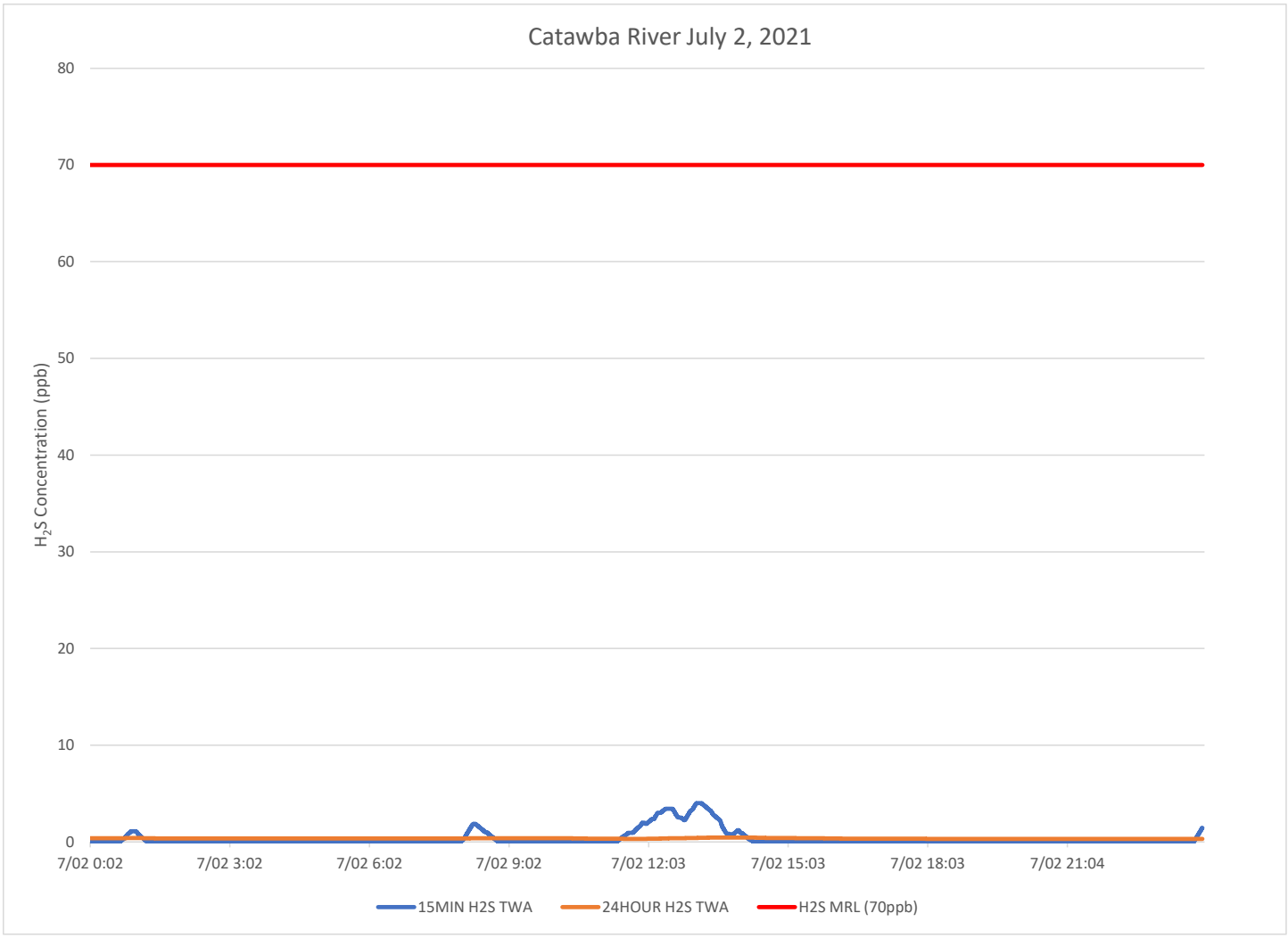
The prevailing wind for this reporting period was out of the southwest.

The Catawba Express monitor experienced a disruption in communications approximately noon 7/2/21. If data collection continued during the disruption and can be recovered, complete data collected at that site will be reposted.



Notes:

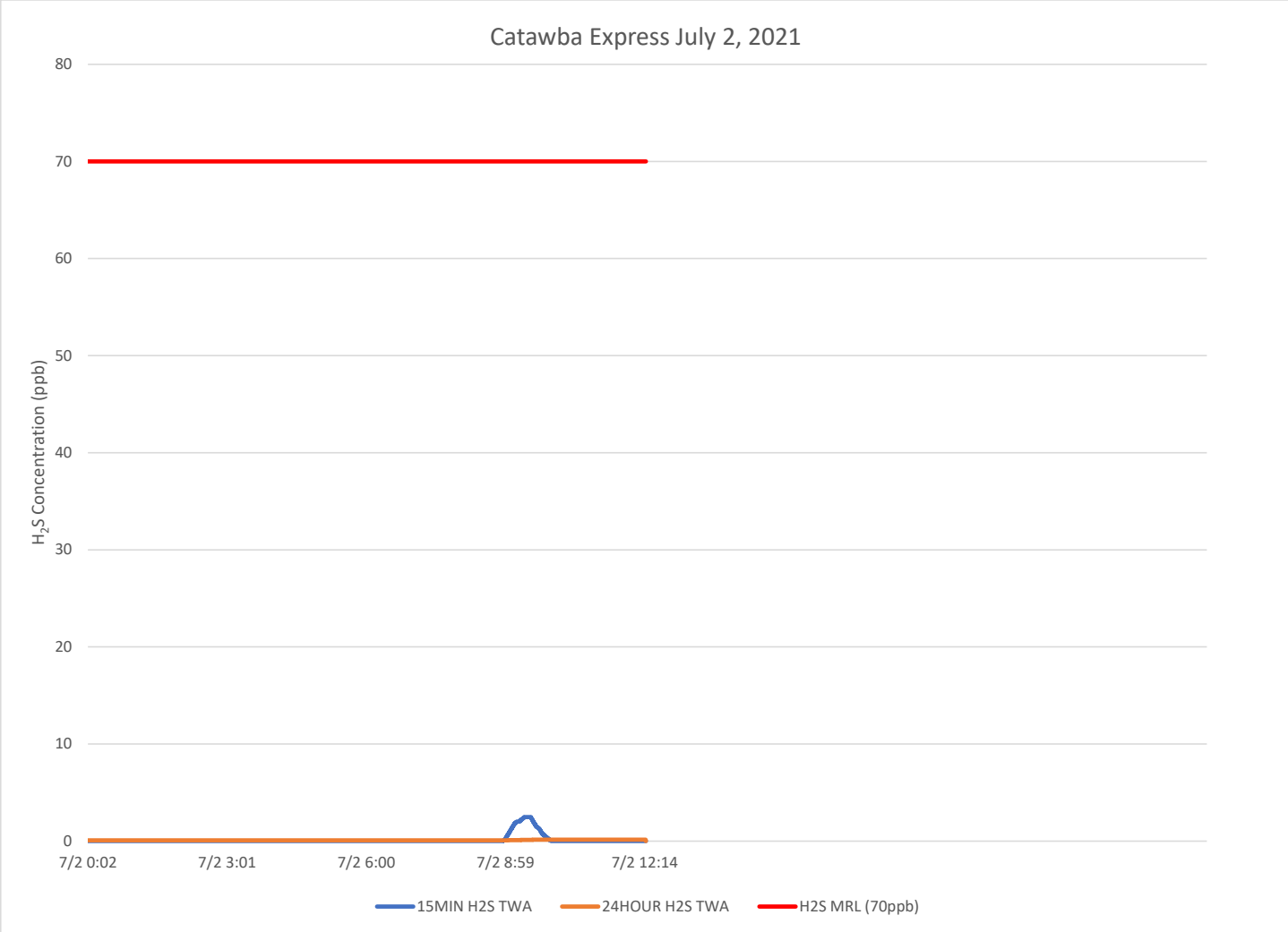
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Communication with The Catawba express monitor was interrupted approximately noon on 7/2/21. Data in the summary table and chart will be reposted when any missing data is recovered and verified.



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/3/21 12:00 AM** ***To:*** **7/3/21 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	27407	0	0 - 0 ppb	0 ppb	70 ppb

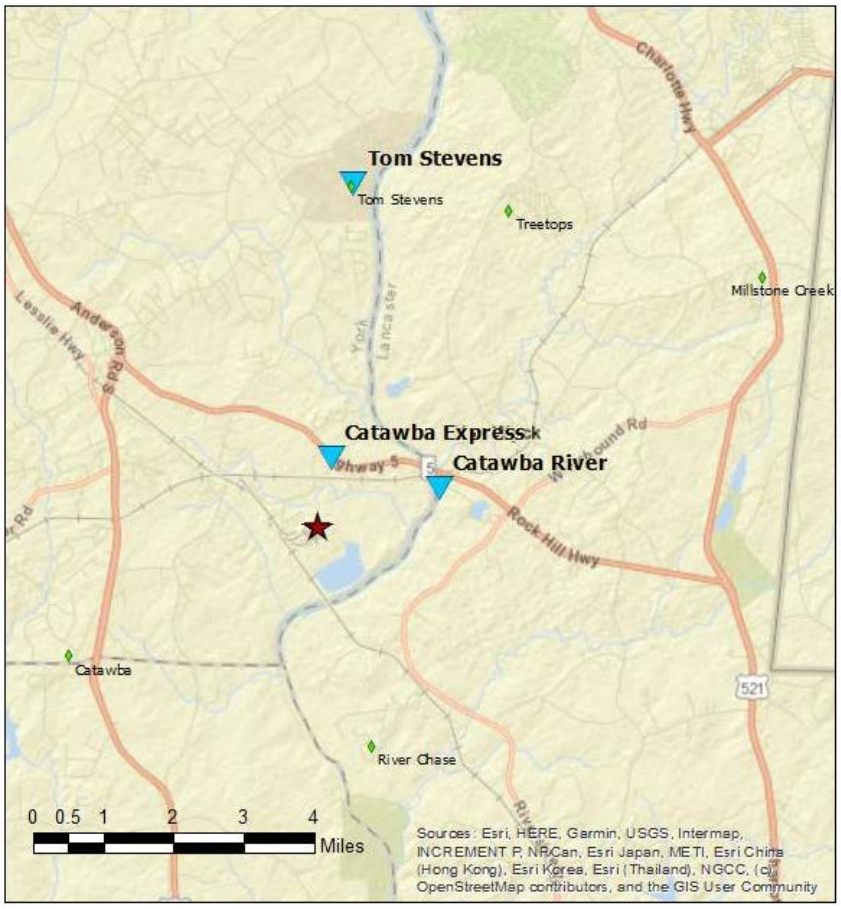
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26591	4509	0 - 4 ppb	0.34 ppb	70 ppb

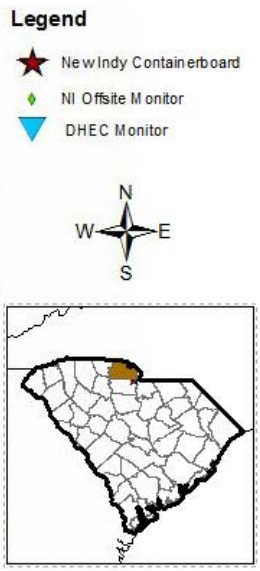
Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	1067	0	0 - 0 ppb	0 ppb	70 ppb

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)
H_2S	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 Avergage





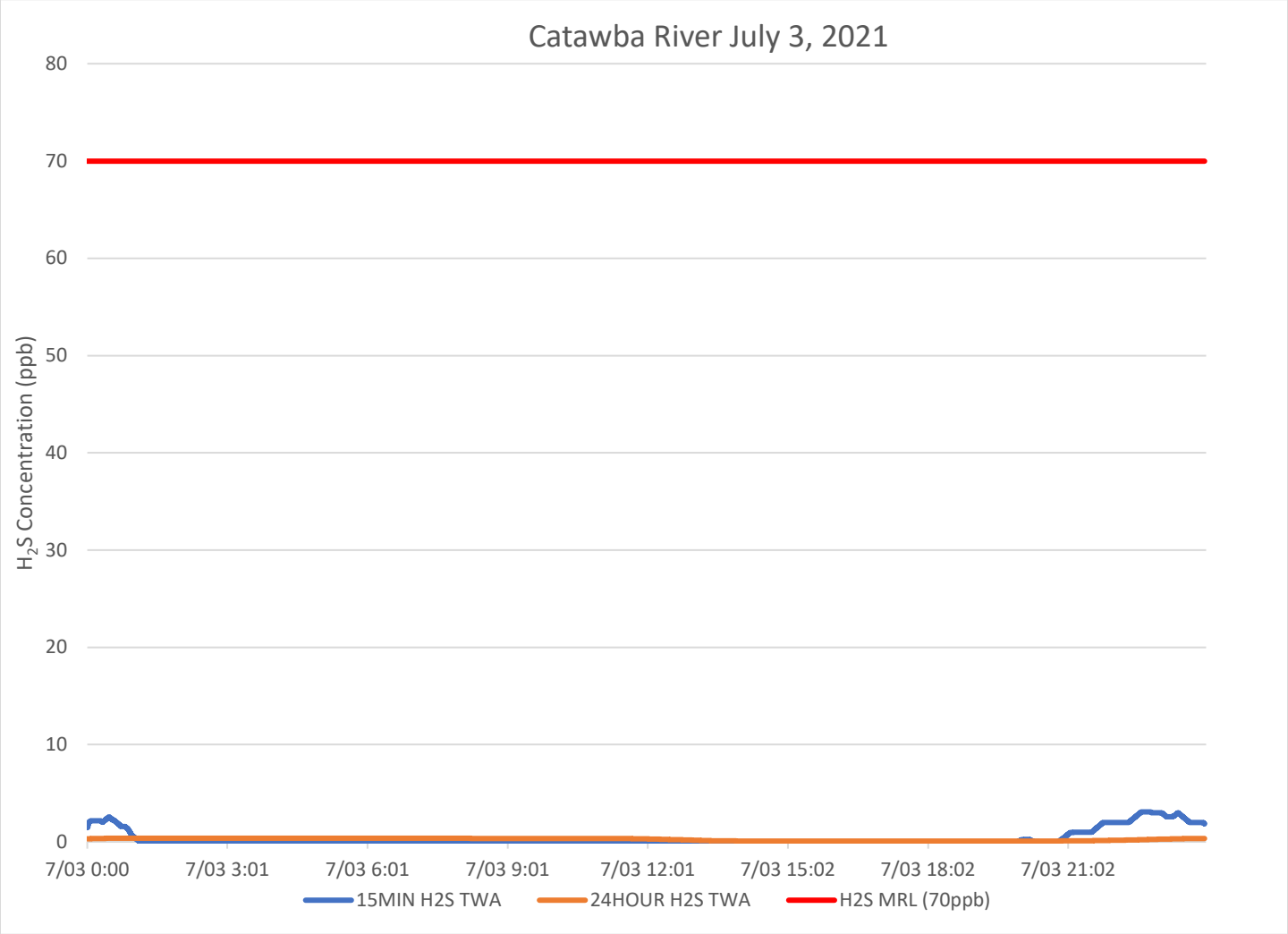
H_2S in South Carolina

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

The prevailing wind for this reporting period was out of the North to North northeast.

The Tom Stevens Road monitor did not detect hydrogen sulfide above 1 part per billion (pbb) during this reporting period

The Catawba Express monitor experienced a disruption in communications approximately noon 7/2/21. Approximately one hour- from 8:30 to 9:30PM - was recovered as repair was attempted Saturday night and is summarized in the table. If data collection has continued during the disruptions and can be recovered, complete data collected at the Catawba Express site will be reposted.



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Communication with The Catawba express monitor was interrupted approximately noon on 7/2/21. Data in the summary tables and charts will be reposted when any missing data is recovered and verified.

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/4/21 12:00 AM** ***To:*** **7/4/21 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	27425	0	0 - 0 ppb	0 ppb	70 ppb

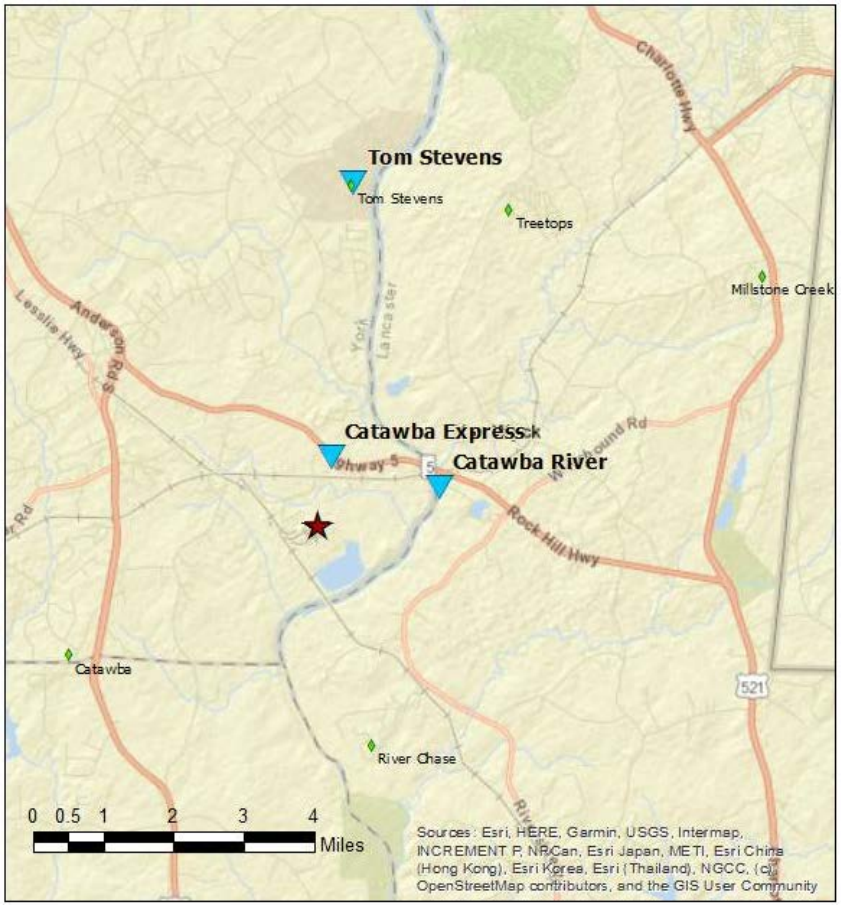
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26586	5462	0 - 19 ppb	0.87 ppb	70 ppb

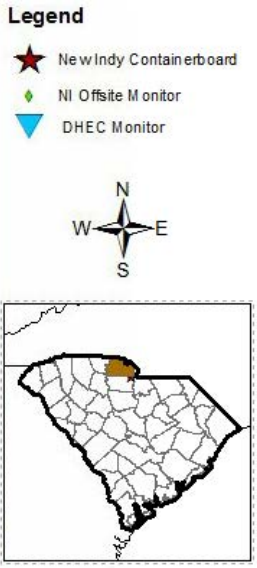
Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	0	0	0 - 0 ppb	ppb	70 ppb

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_2S	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 Avergage





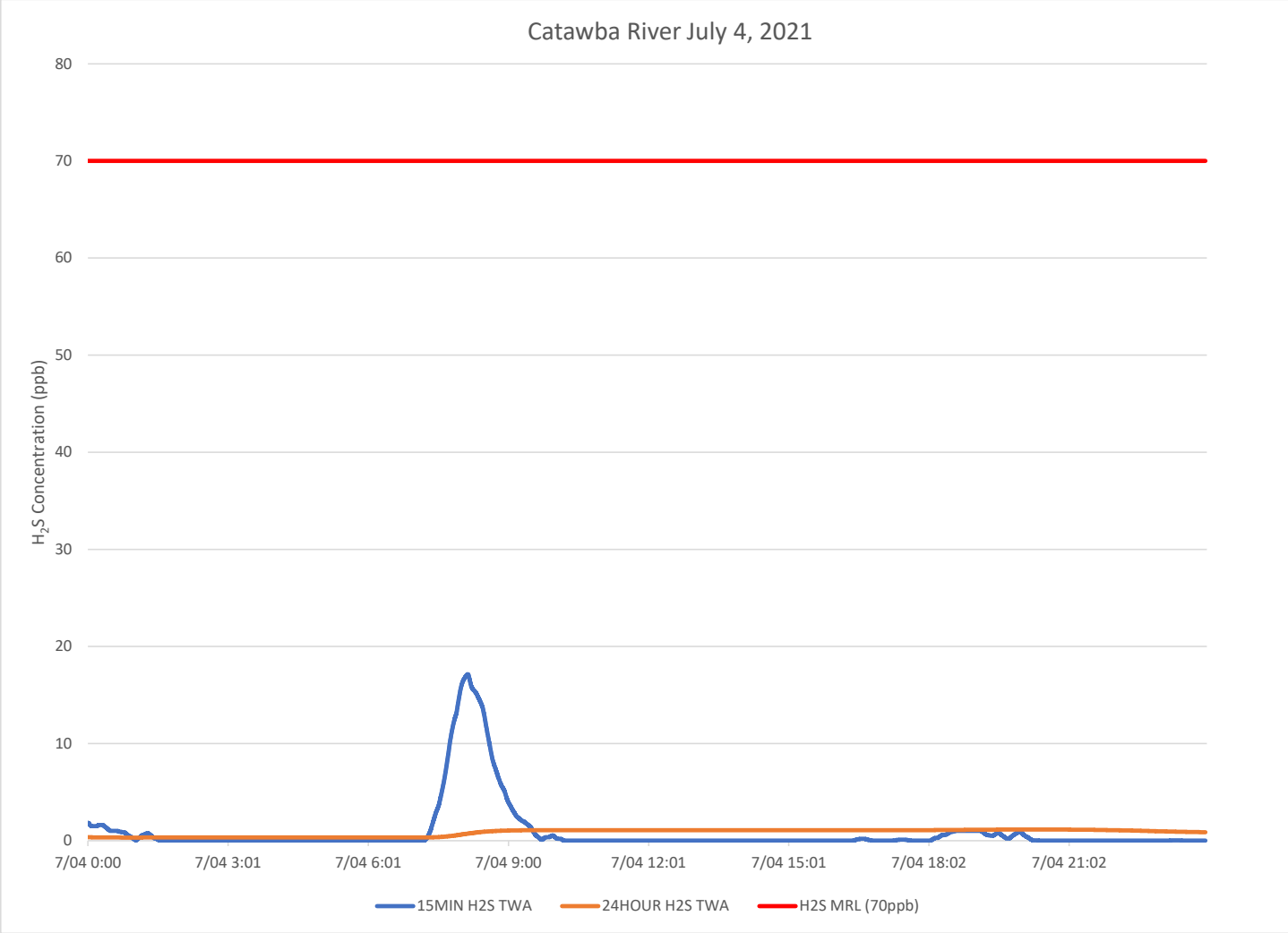
H_2S in South Carolina

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

The prevailing wind for this reporting period was out of the south southwest.

The Tom Stevens Road monitor did not detect hydrogen sulfide above 1 part per billion (ppb) during this reporting period

The Catawba Express monitor experienced a disruption in communications approximately noon 7/2/21. Communication was restored approximately 8:30 AM, 7/5/21. If data collection continued during the disruptions and can be recovered, complete data collected at the Catawba Express site will be reposted.



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Communication with The Catawba express monitor was interrupted approximately noon on 7/2/21. Data in the summary tables and charts will be reposted when any missing data is recovered and verified.

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/5/21 12:00 AM** ***To:*** **7/5/21 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	27482	8900	0 - 11 ppb	1.02 ppb	70 ppb

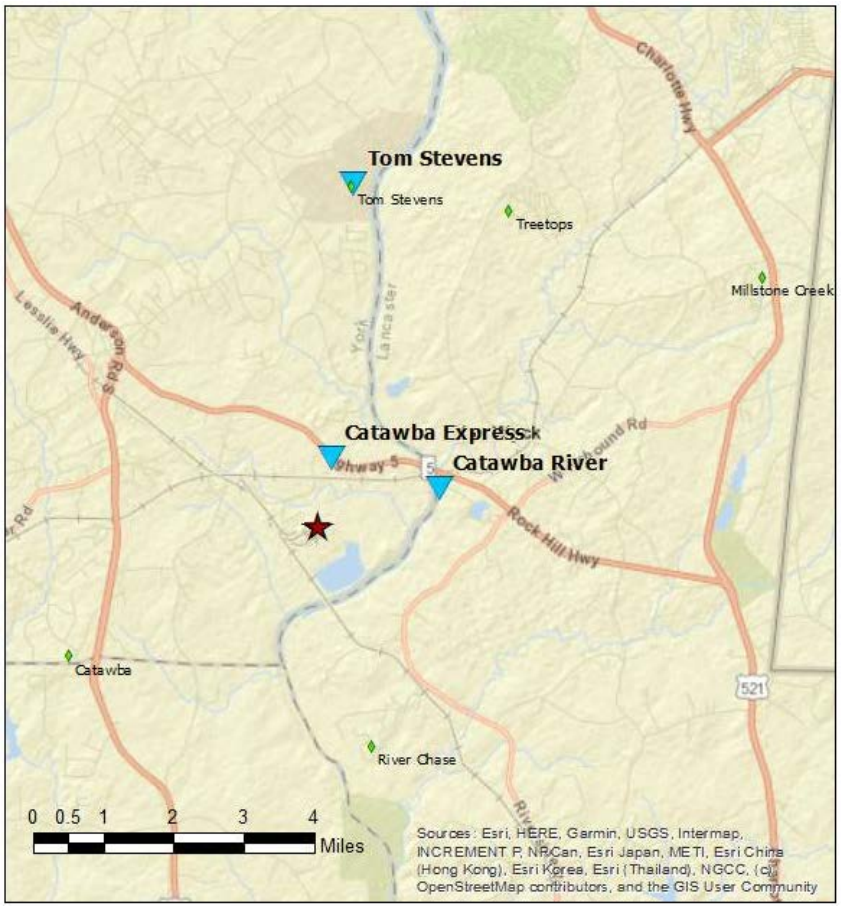
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26592	9103	0 - 25 ppb	1.46 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	16823	4195	0 - 7 ppb	0.49 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_2S	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 Avergage

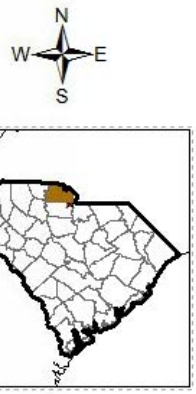


Legend

New Indy Containerboard

NI Offsite Monitor

DHEC Monitor

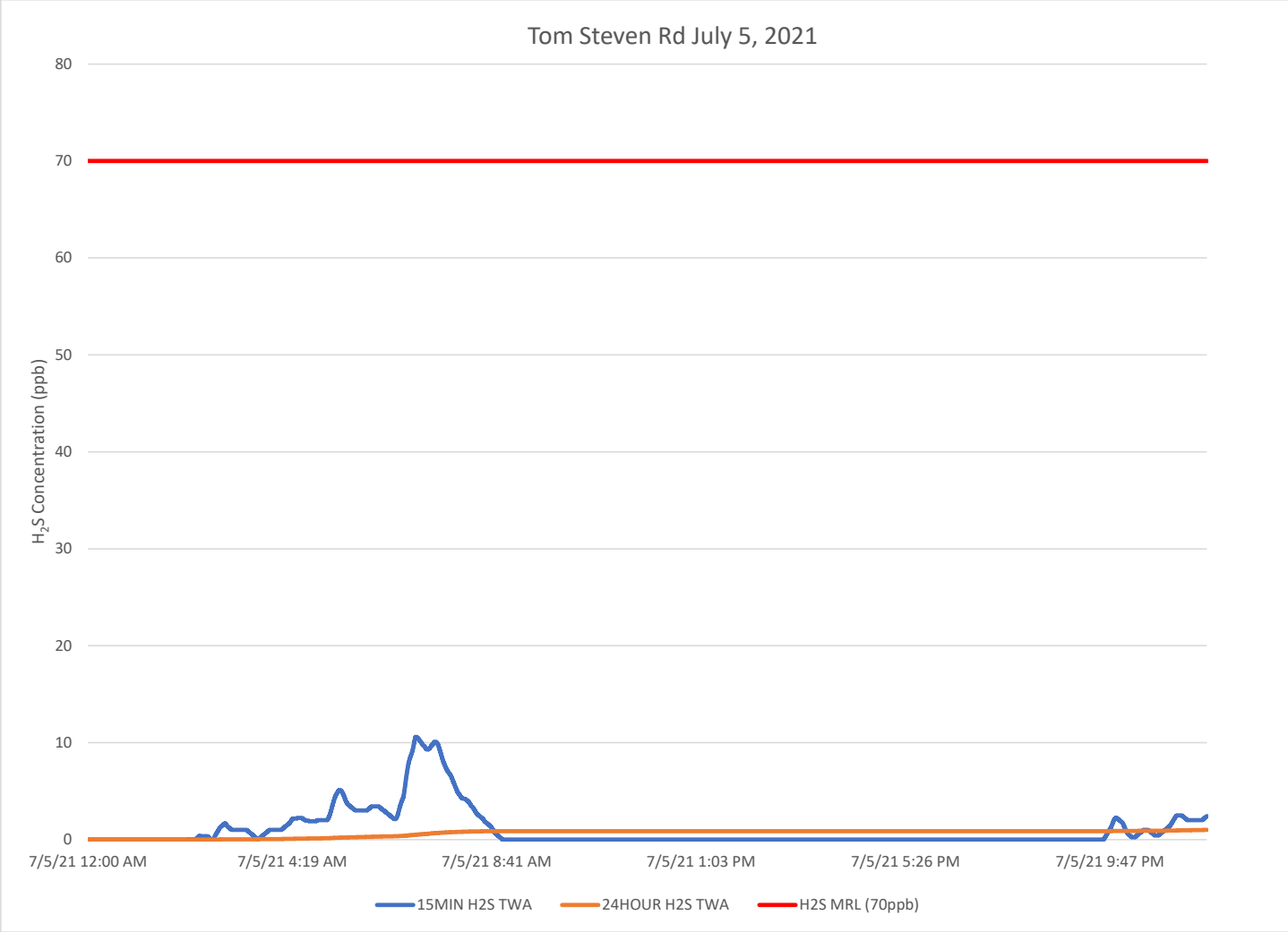


H_2S in South Carolina

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

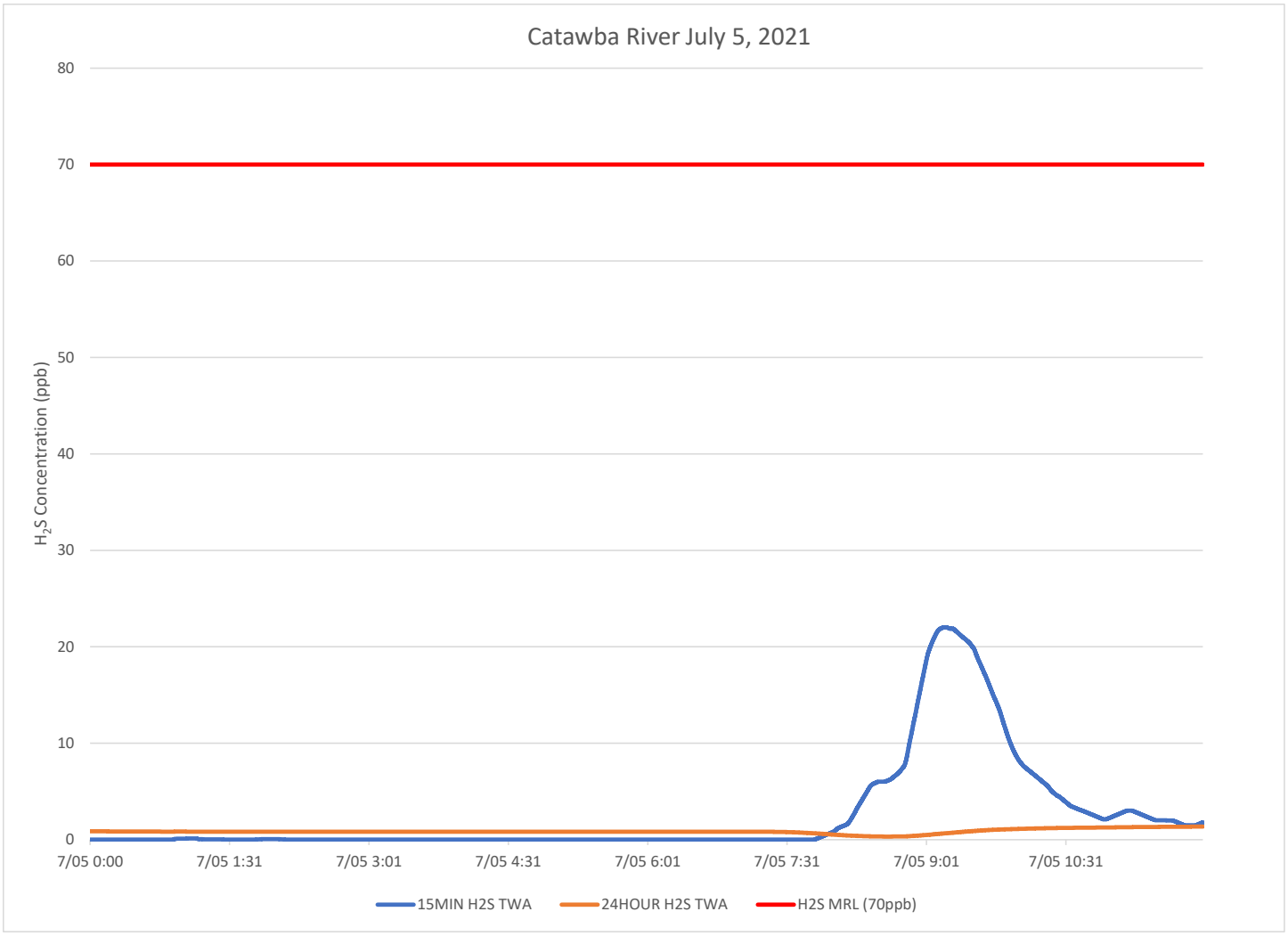
The prevailing wind for this reporting period was out of the south southwest.

The Catawba Express monitor experienced disruptions in communications between noon 7/2/21 through 8:30AM 7/5/21. If data collection continued during the disruptions and can be recovered, complete data collected at the Catawba Express site will be reposted.



Notes:

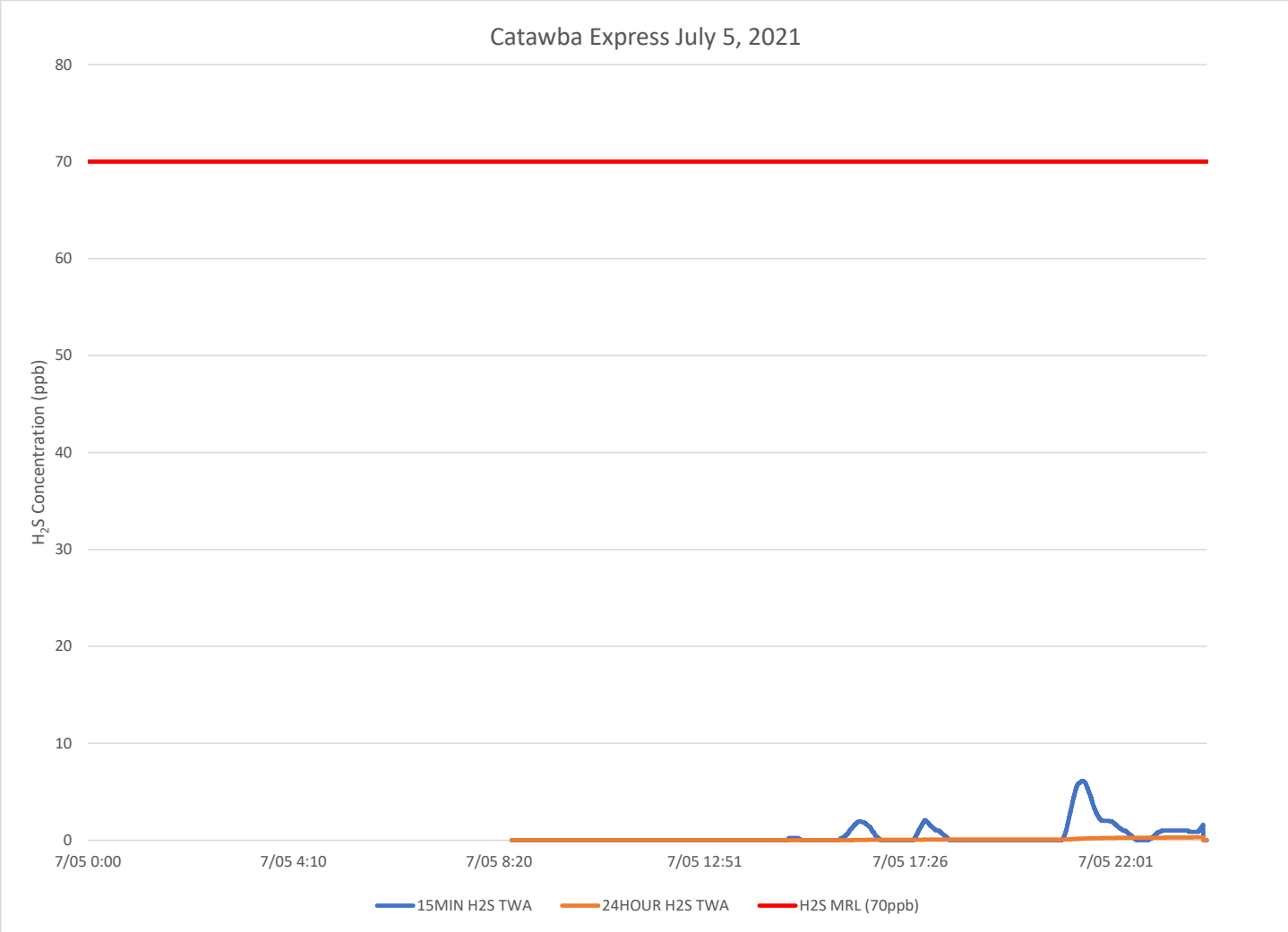
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Communication with The Catawba express monitor was restored approximately 8:30AM on 7/5/21. Data in the summary tables and charts will be reposted when any missing data is recovered and verified.



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/6/21 12:00 AM** ***To:*** **7/6/21 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	27418	9016	0 - 16 ppb	1.09 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	26609	7728	0 - 4 ppb	0.52 ppb	70 ppb

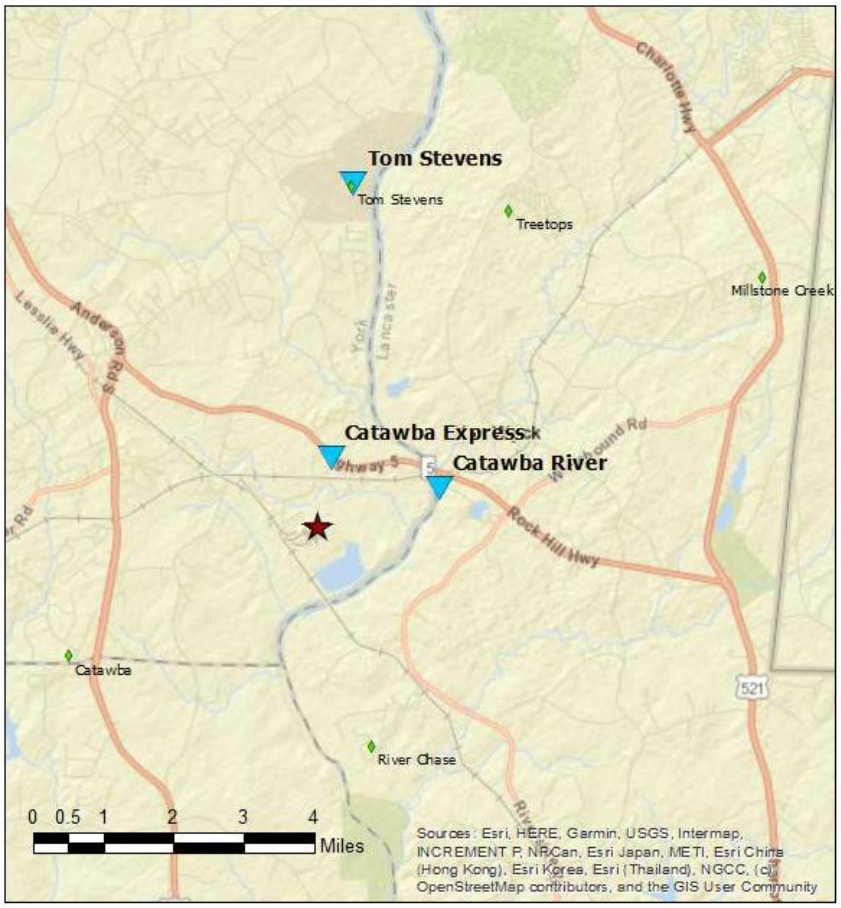
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25294	10921	0 - 23 ppb	2.34 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_2S	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 Avergage



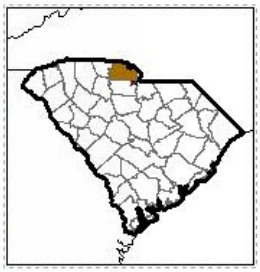
Legend

New Indy Containerboard

NI Offsite Monitor

DHEC Monitor

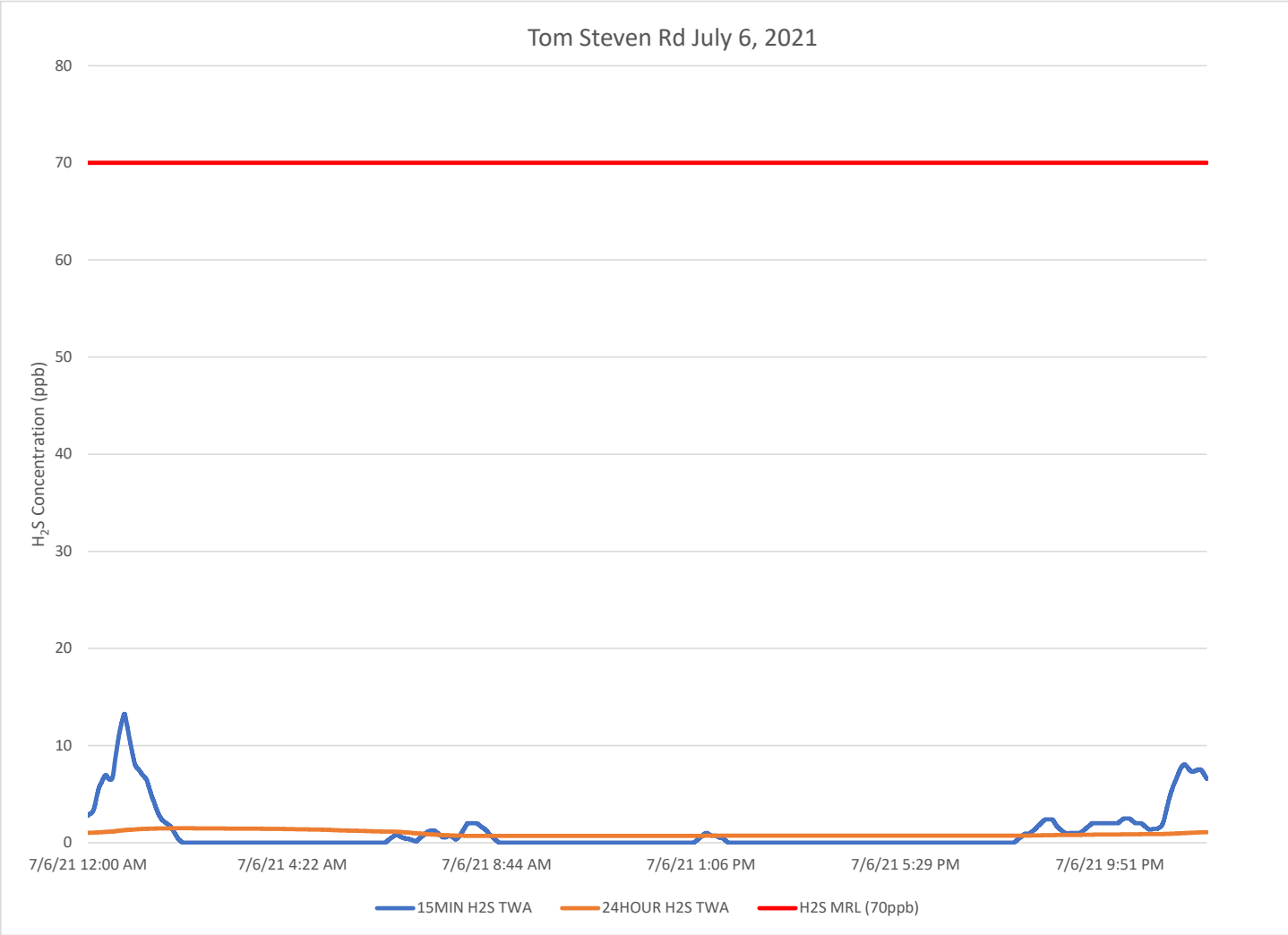
N W E S



H_2S in South Carolina

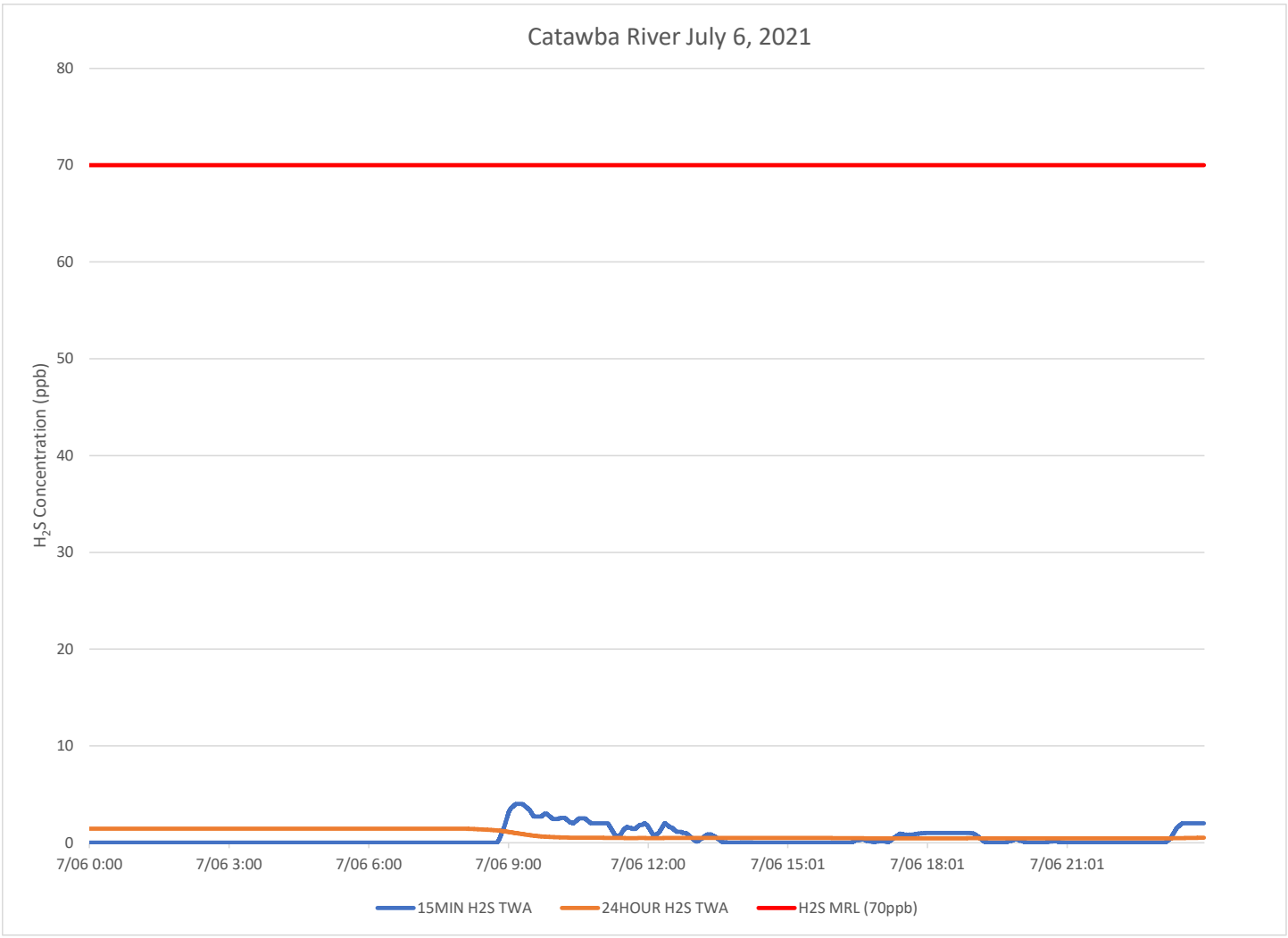
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

The predominant wind for this reporting period was out of the south to south southwest.



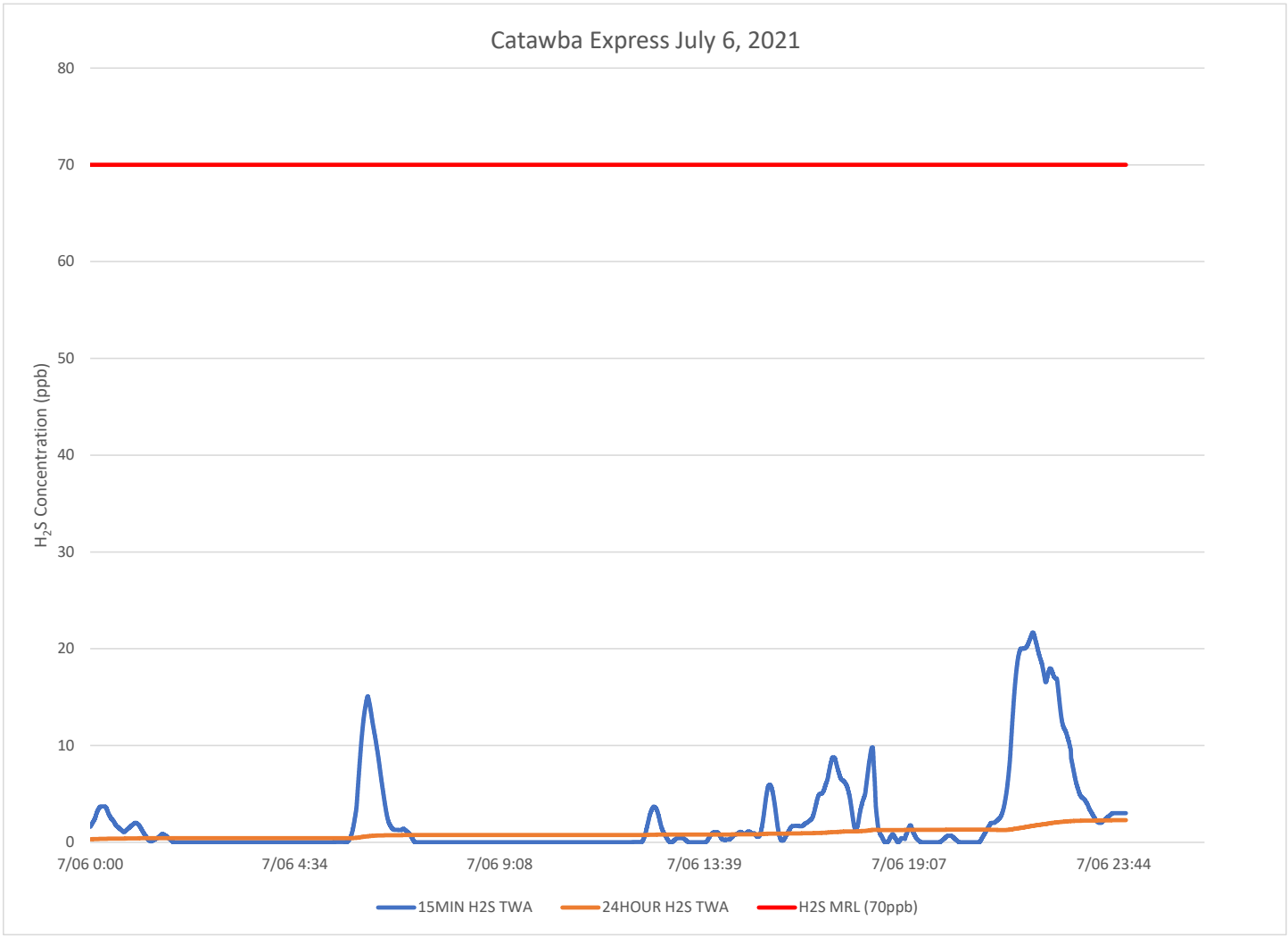
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/7/21 12:00 AM** ***To:*** **7/7/21 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	27316	12658	0 - 32 ppb	2.72 ppb	70 ppb

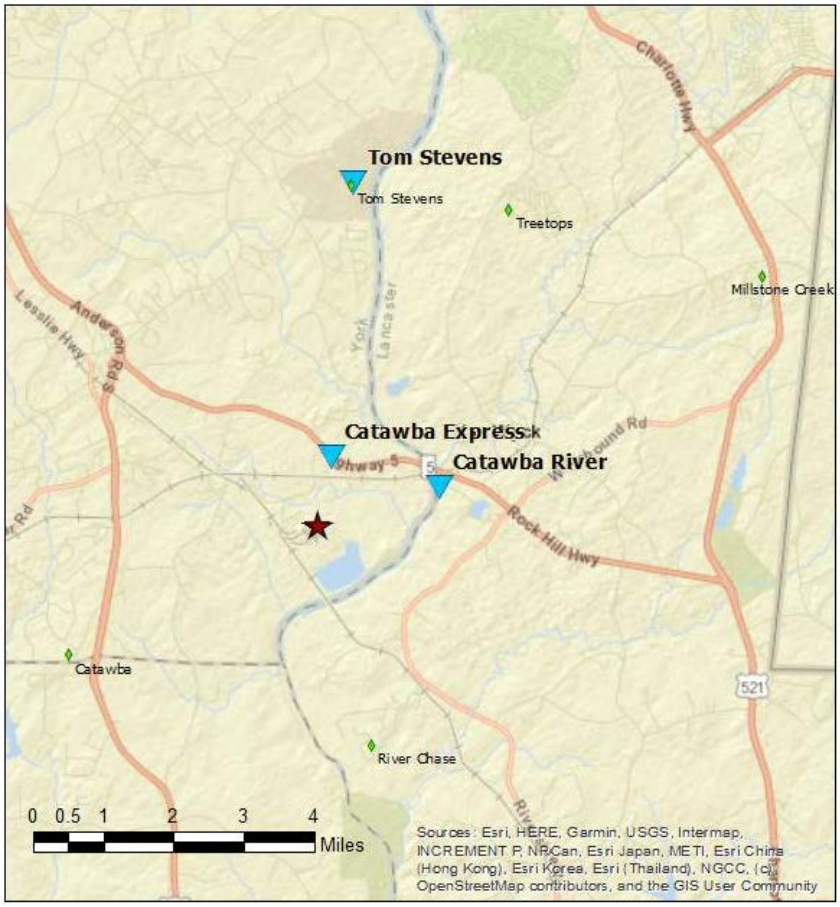
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26595	3926	0 - 2 ppb	0.18 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26479	15750	0 - 50 ppb	11.27 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_2S	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 Avergage

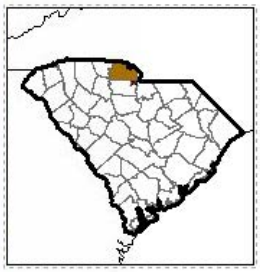


Legend

New Indy Containerboard

NI Offsite Monitor

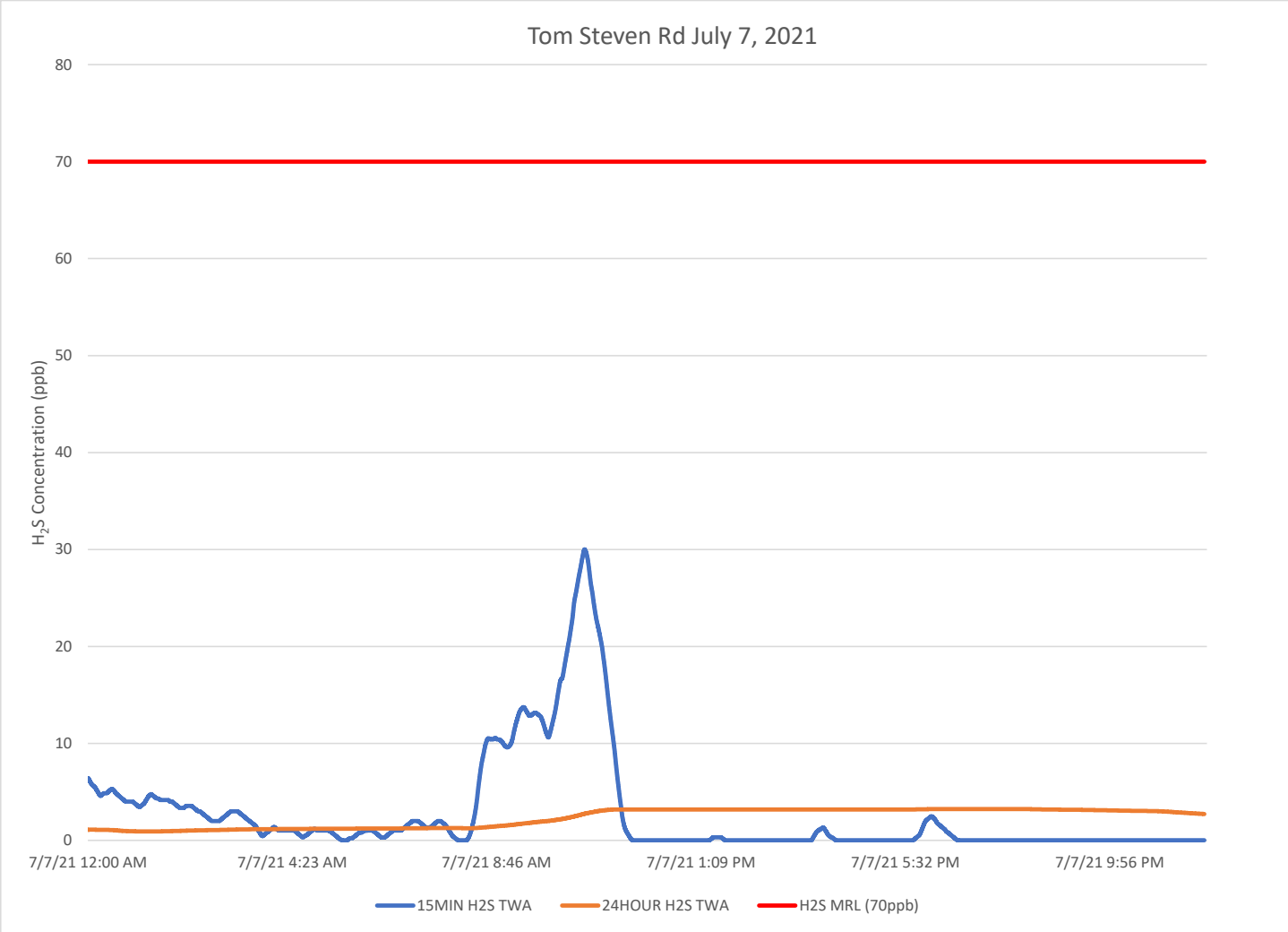
DHEC Monitor



H_2S in South Carolina

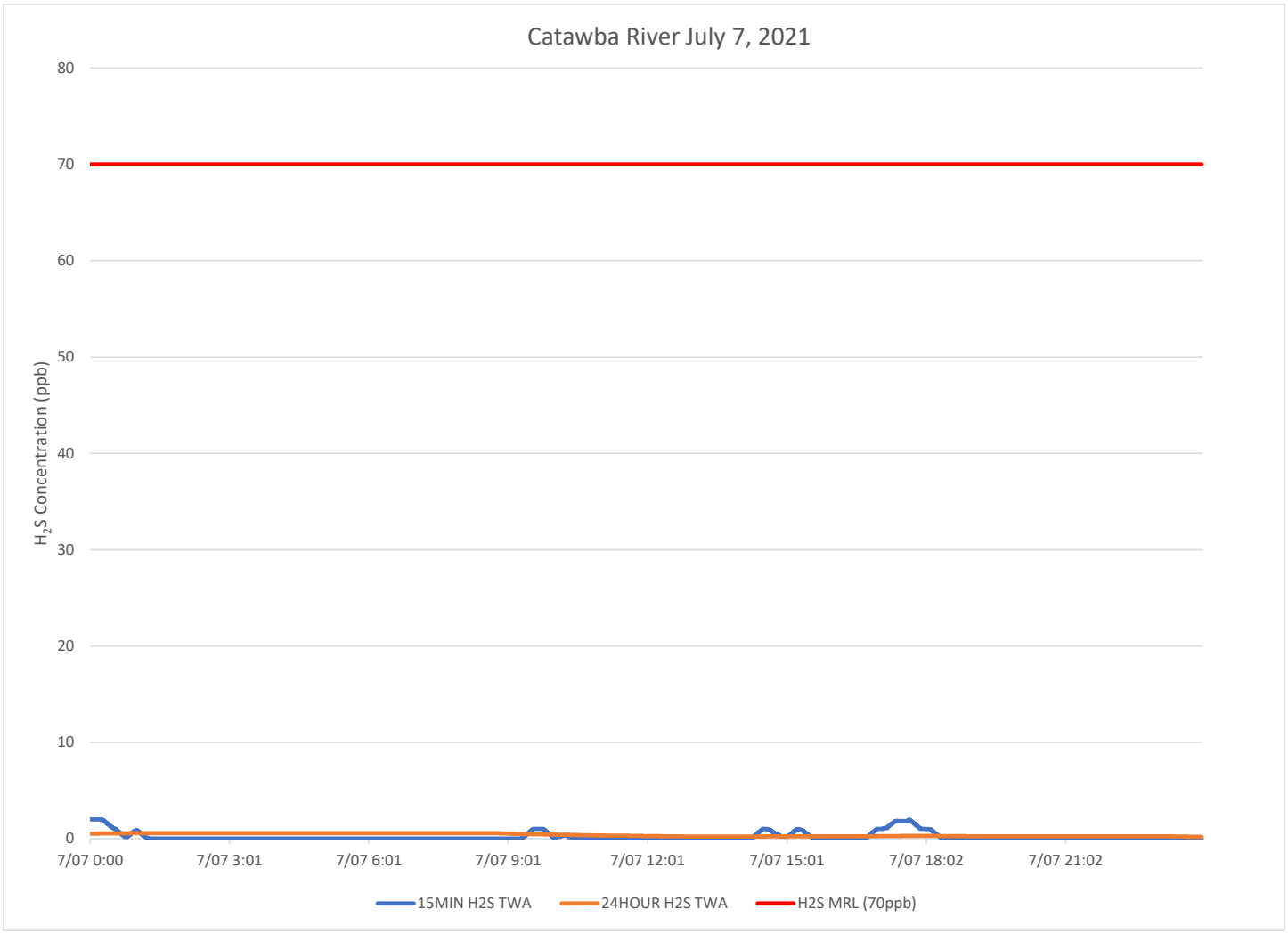
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

The predominant wind for this reporting period was out of the south southwest.



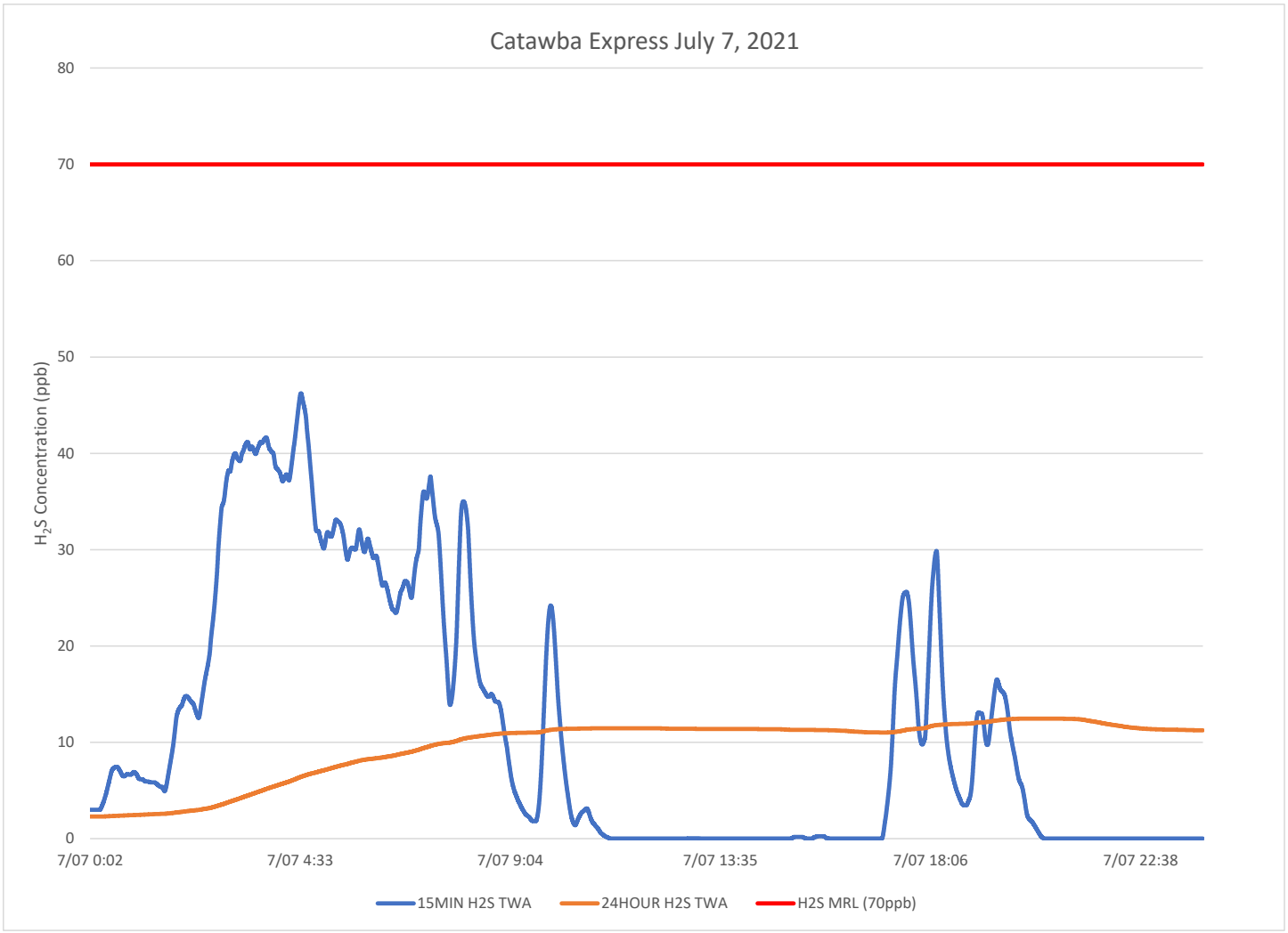
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/8/21 12:00 AM** ***To:*** **7/8/21 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	26803	2277	0 - 30 ppb	1.04 ppb	70 ppb

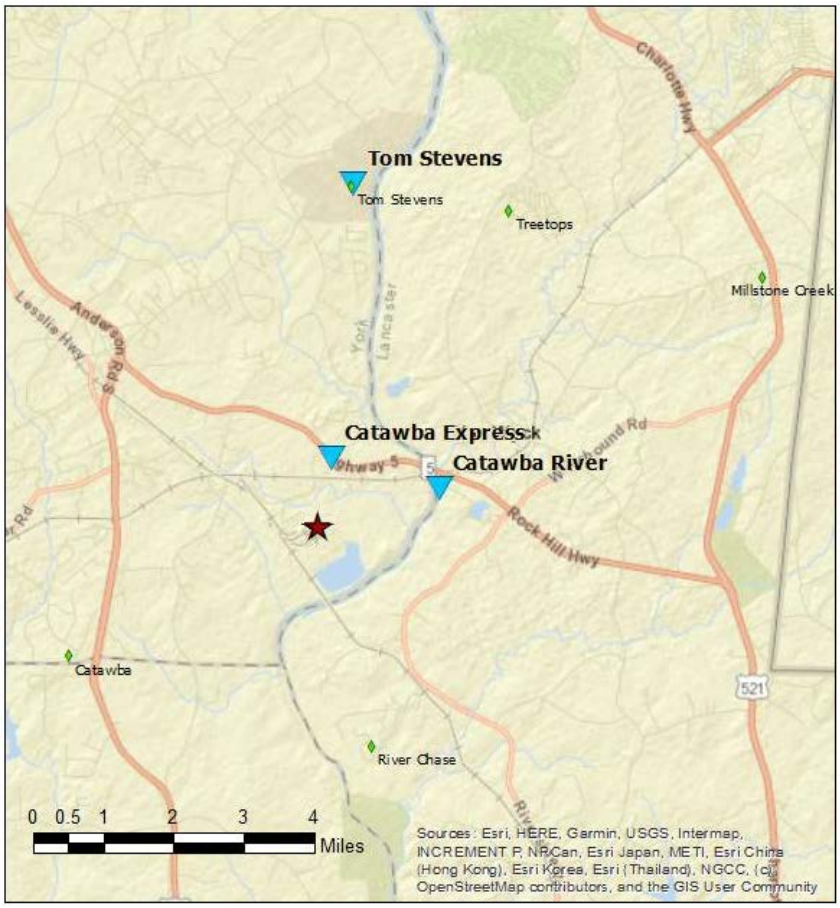
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26166	3612	0 - 11 ppb	0.44 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	21581	238	0 - 4 ppb	0.02 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.

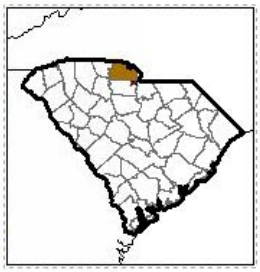
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Avergage



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

N
W E
S

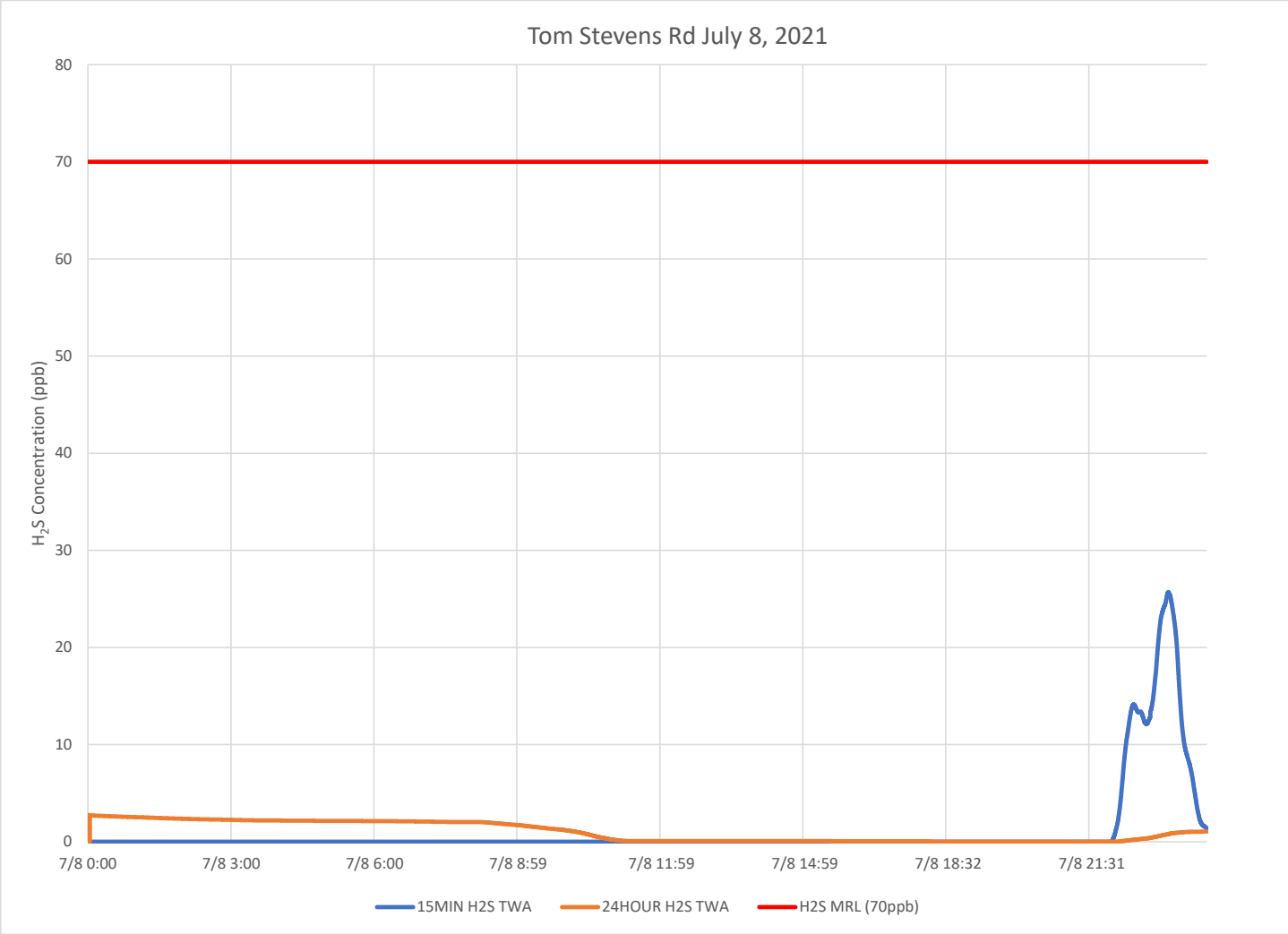


H_2S in South Carolina

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

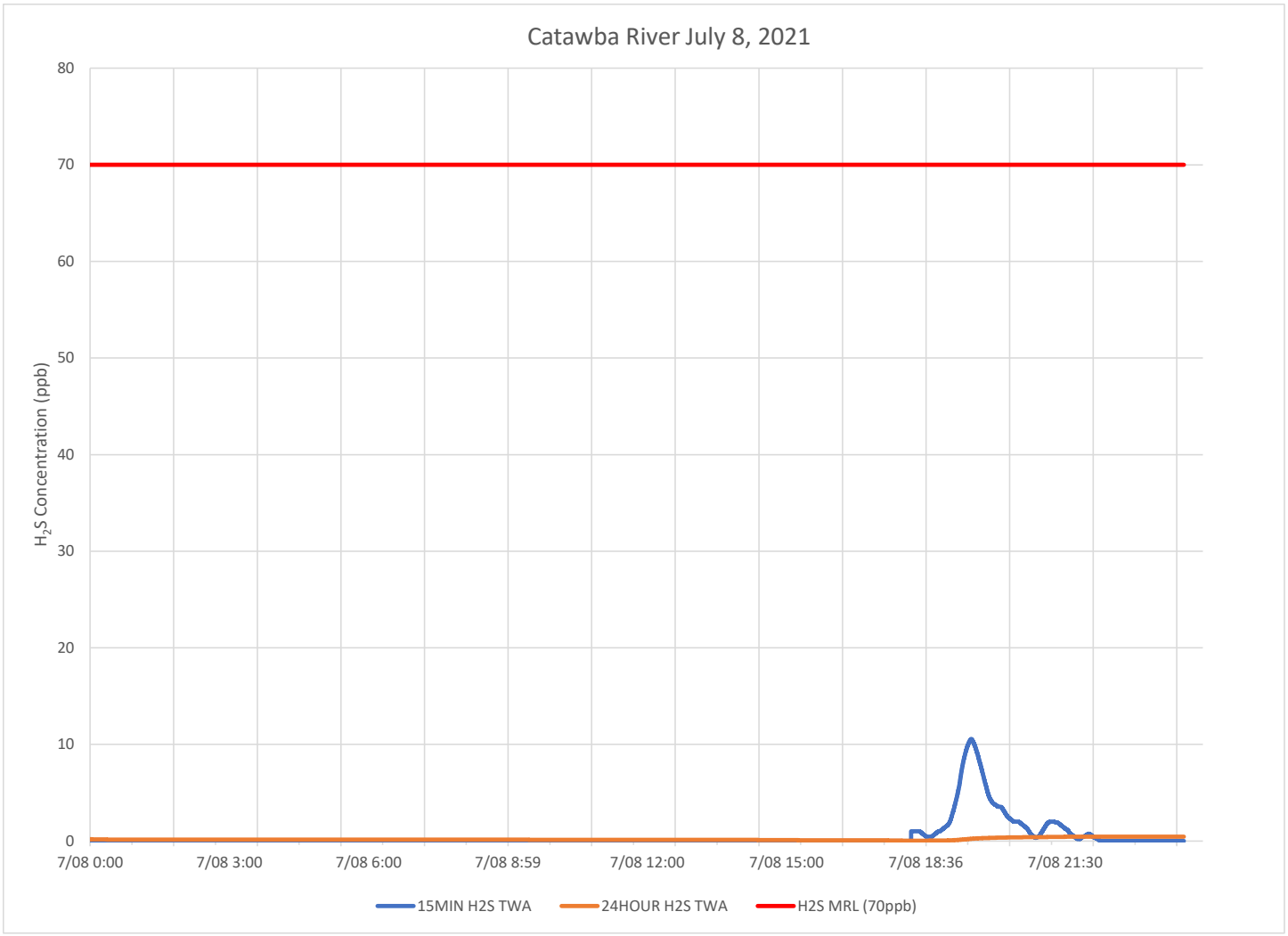
There was a significand wind shift this period during the passage of ELSA with higher winds in the morning from the north northwest to north northeast in the morning shifting to lighter south southwest winds in the latter parts of the day.

The Catawba express Gateway that sends data to the EPA database did not forward approximately 4 hours of data Thursday night .If the missing data can be recovered the chart and summary will be reposted.



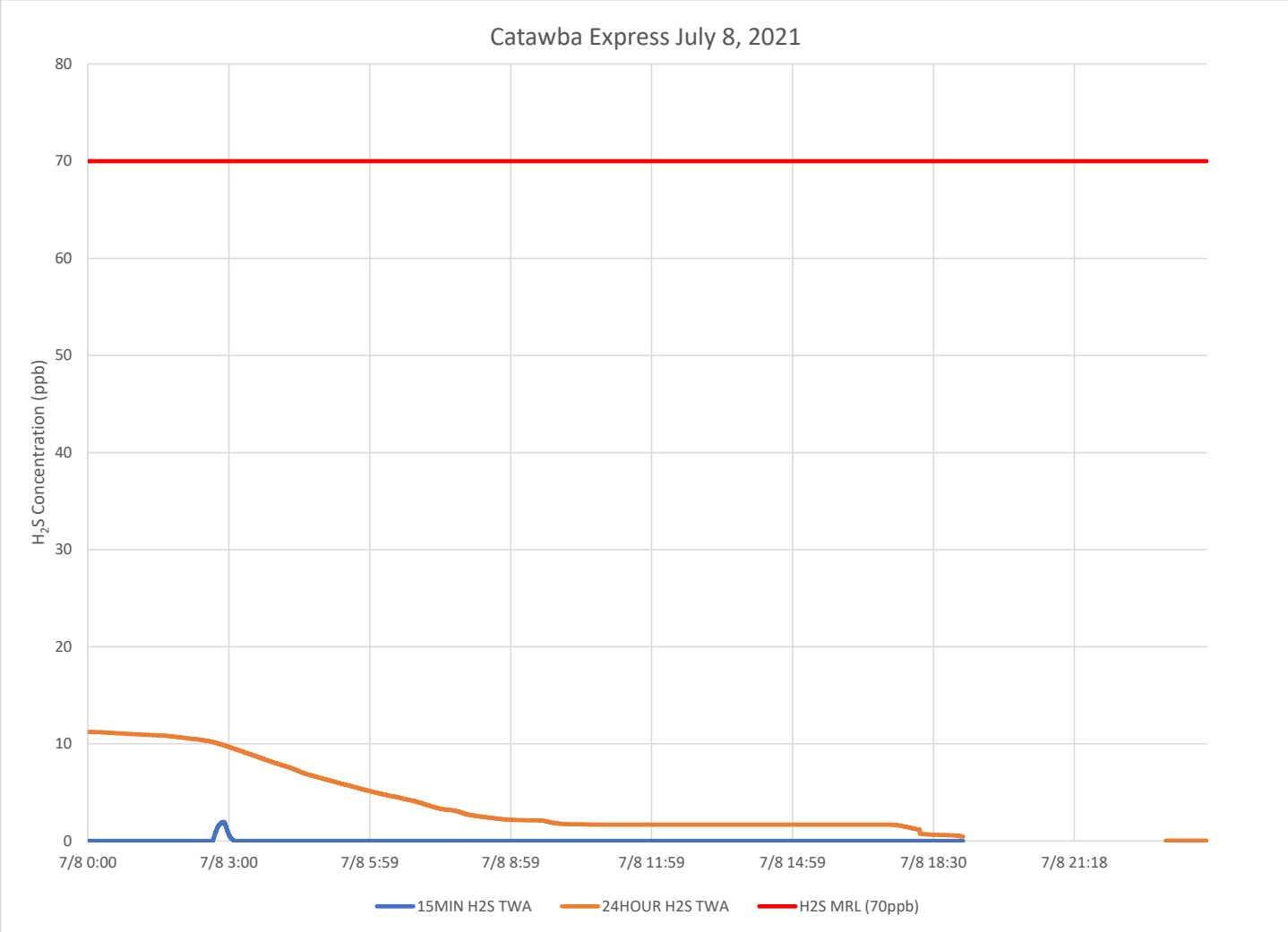
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/9/21 12:00 AM** ***To:*** **7/9/21 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	26409	1429	0 - 29 ppb	0.48 ppb	70 ppb

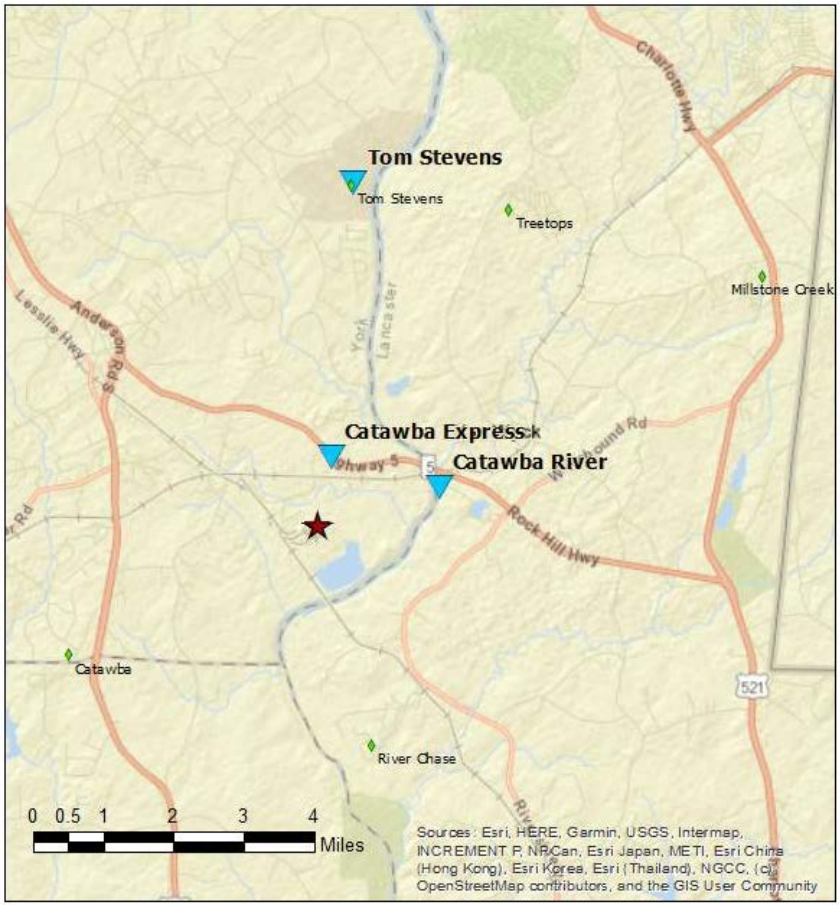
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	27496	11123	0 - 17 ppb	1.15 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	18425	314	0 - 6 ppb	0.02 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.

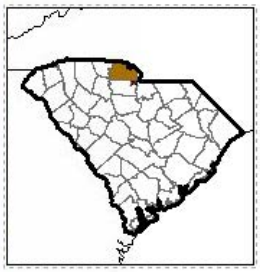
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Avergage



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

N W E S

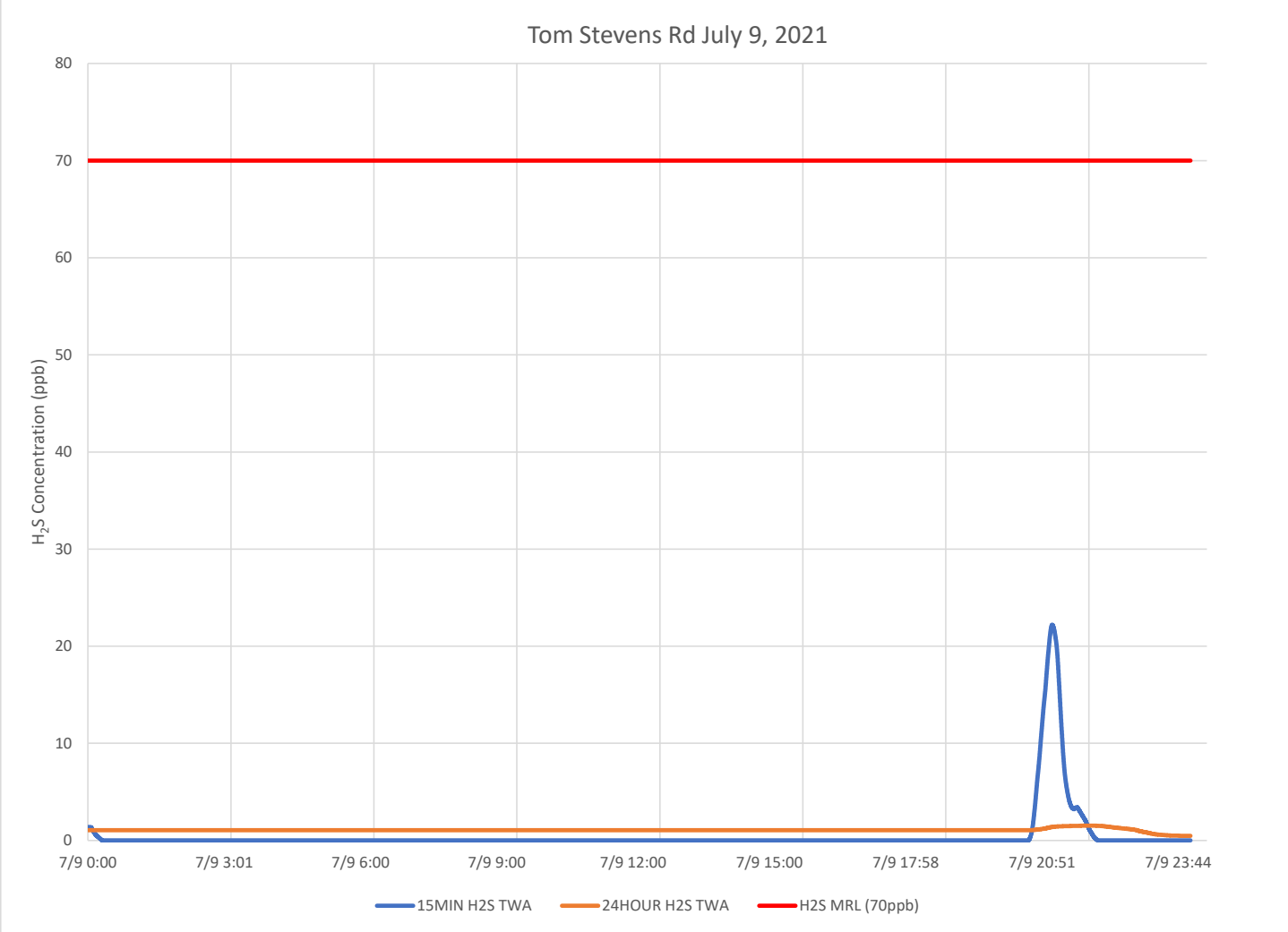


H_2S in South Carolina

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

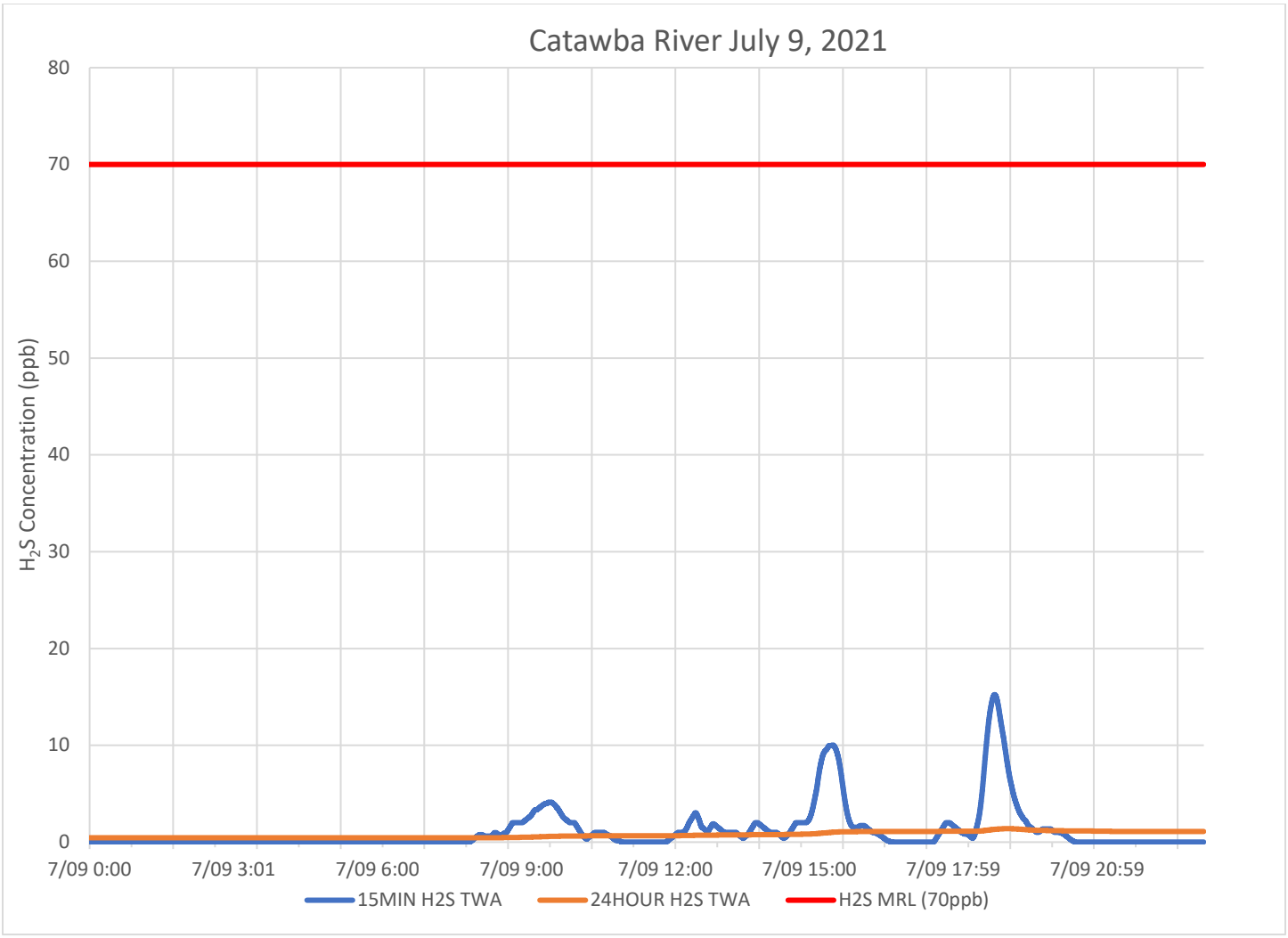
Predominant winds for this period were from the west southwest to southwest.

The Catawba express Gateway that sends data to the EPA database did not forward approximately 6 hours of data Friday night. If the missing data can be recovered, the chart and summary will be reposted.



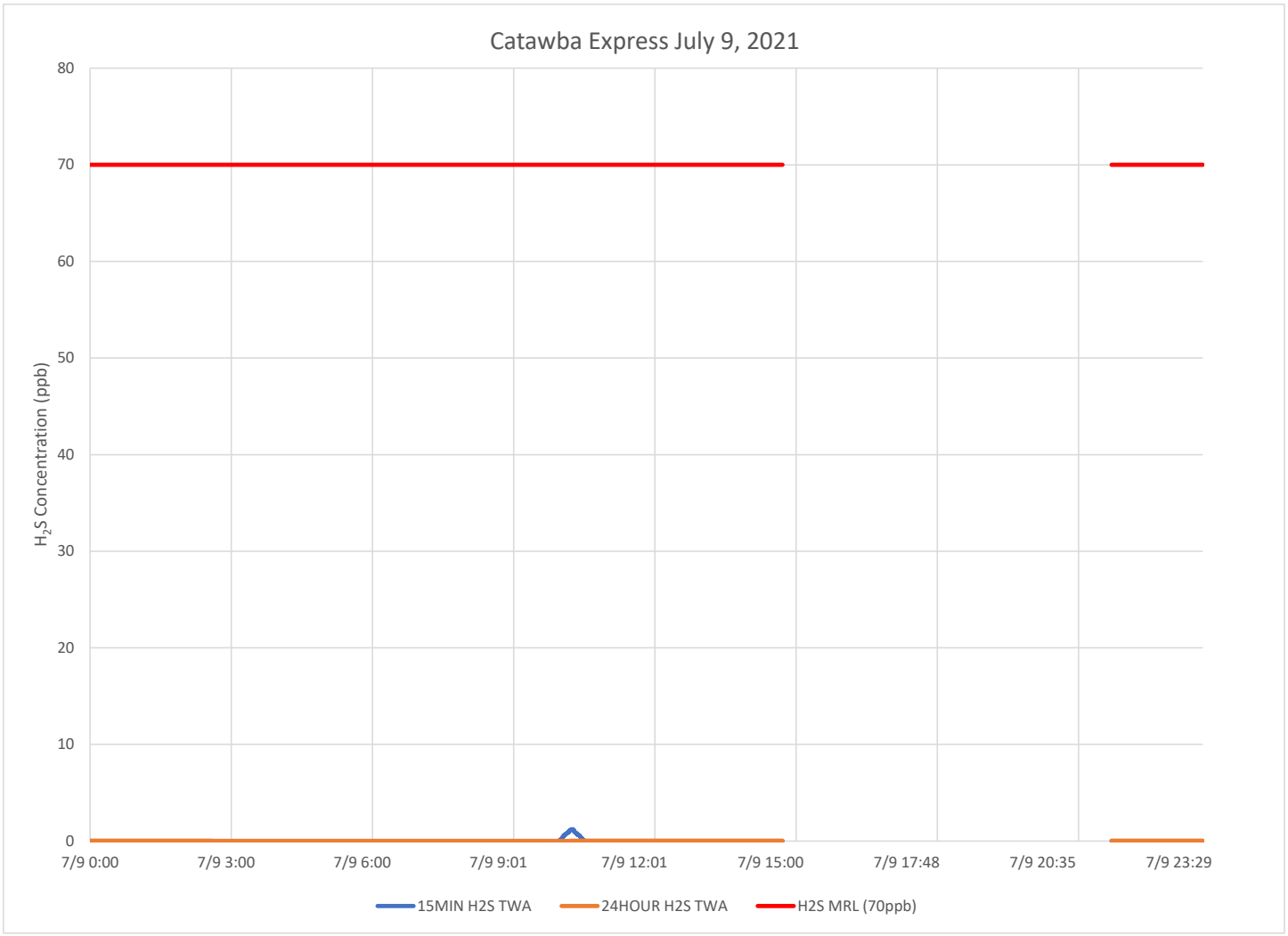
Notes:

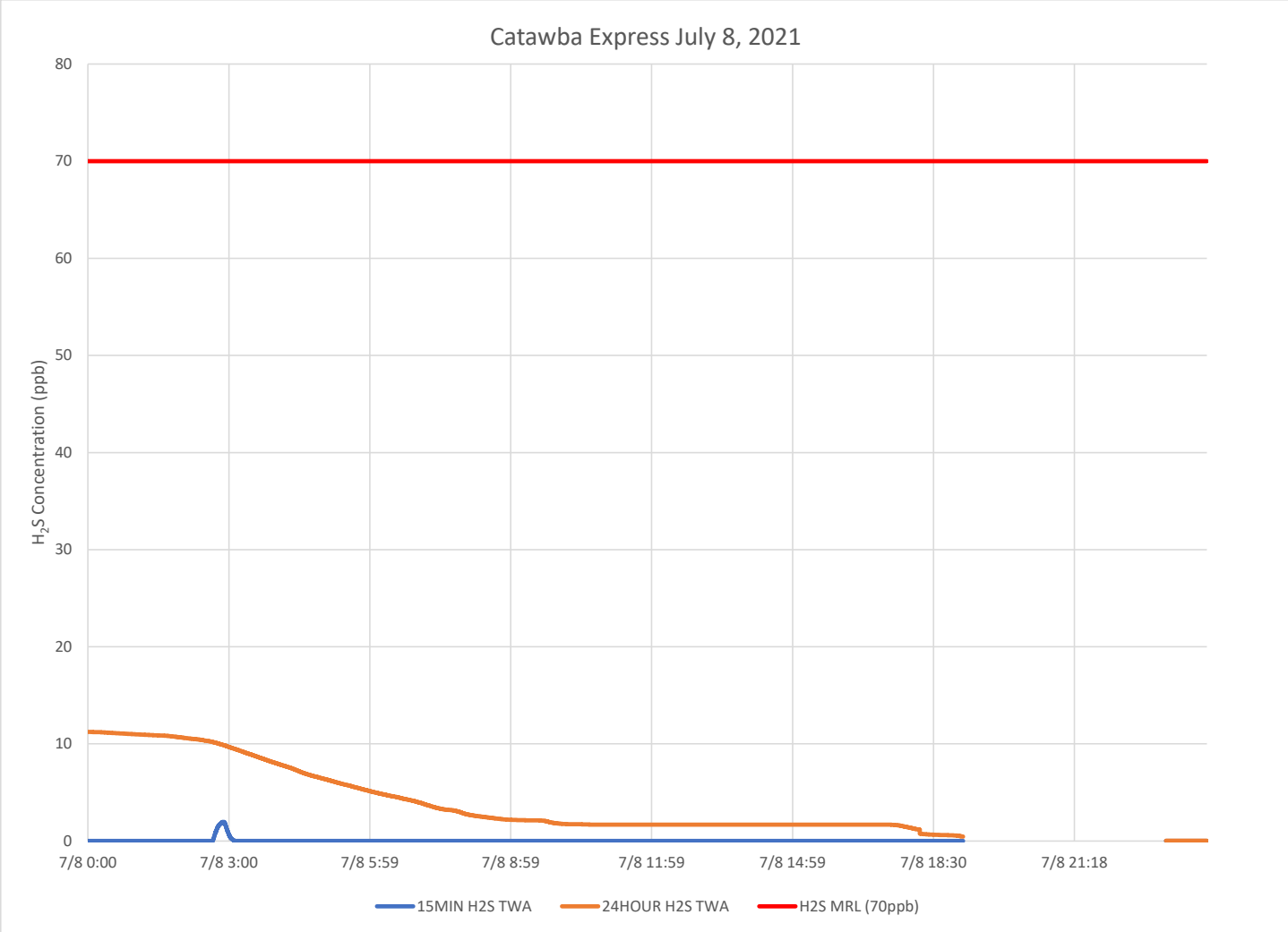
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion


Catawba Express July 9, 2021
80
70
60
50
40
30
20
10
0
H2S Concentration (ppb)
7/9 0:00
7/9 3:00
7/9 6:00
7/9 9:01
7/9 12:01
7/9 15:00
7/9 17:48
7/9 20:35
7/9 23:29
15MIN H2S TWA
24HOUR H2S TWA
H2S MRL (70ppb)



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/10/21 12:00 AM** ***To:*** **7/11/21 12:00 AM**

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	26951	2034	0 - 12 ppb	0.3 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	27542	17844	0 - 41 ppb	5.51 ppb	70 ppb

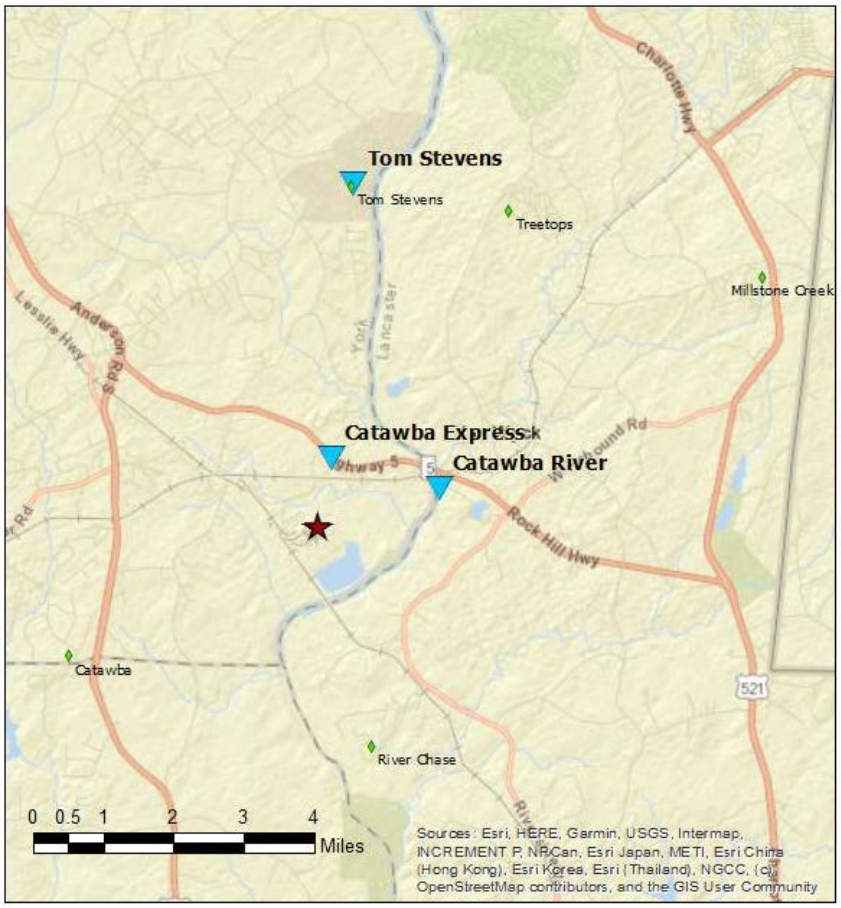
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26330	9114	0 - 153 ppb	7.17 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_2S	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 Avergage



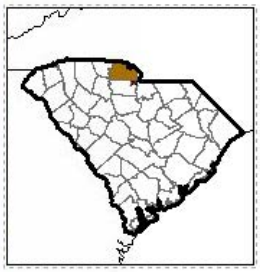
Legend

New Indy Containerboard

NI Offsite Monitor

DHEC Monitor

N W E S

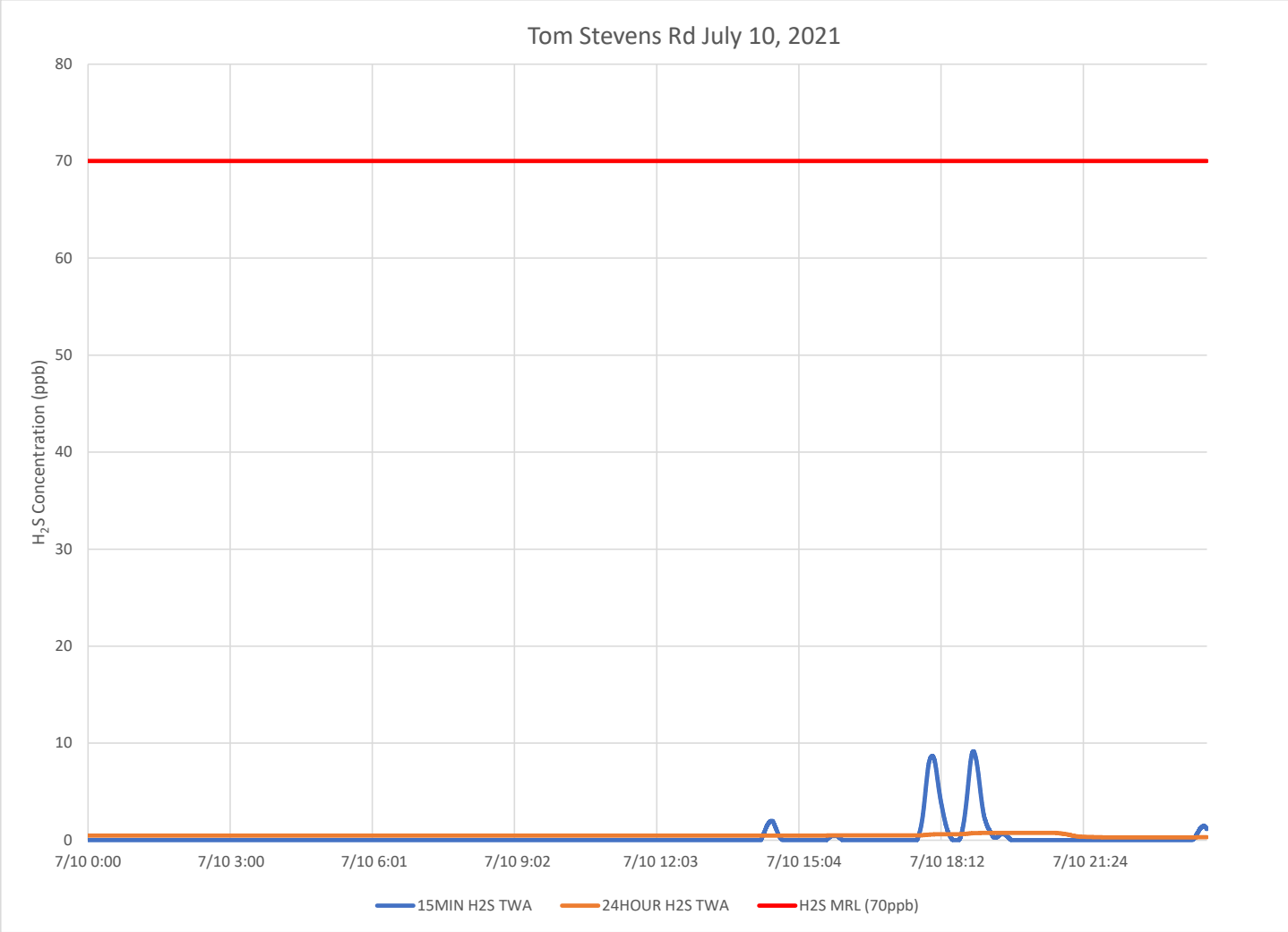


H_2S in South Carolina

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

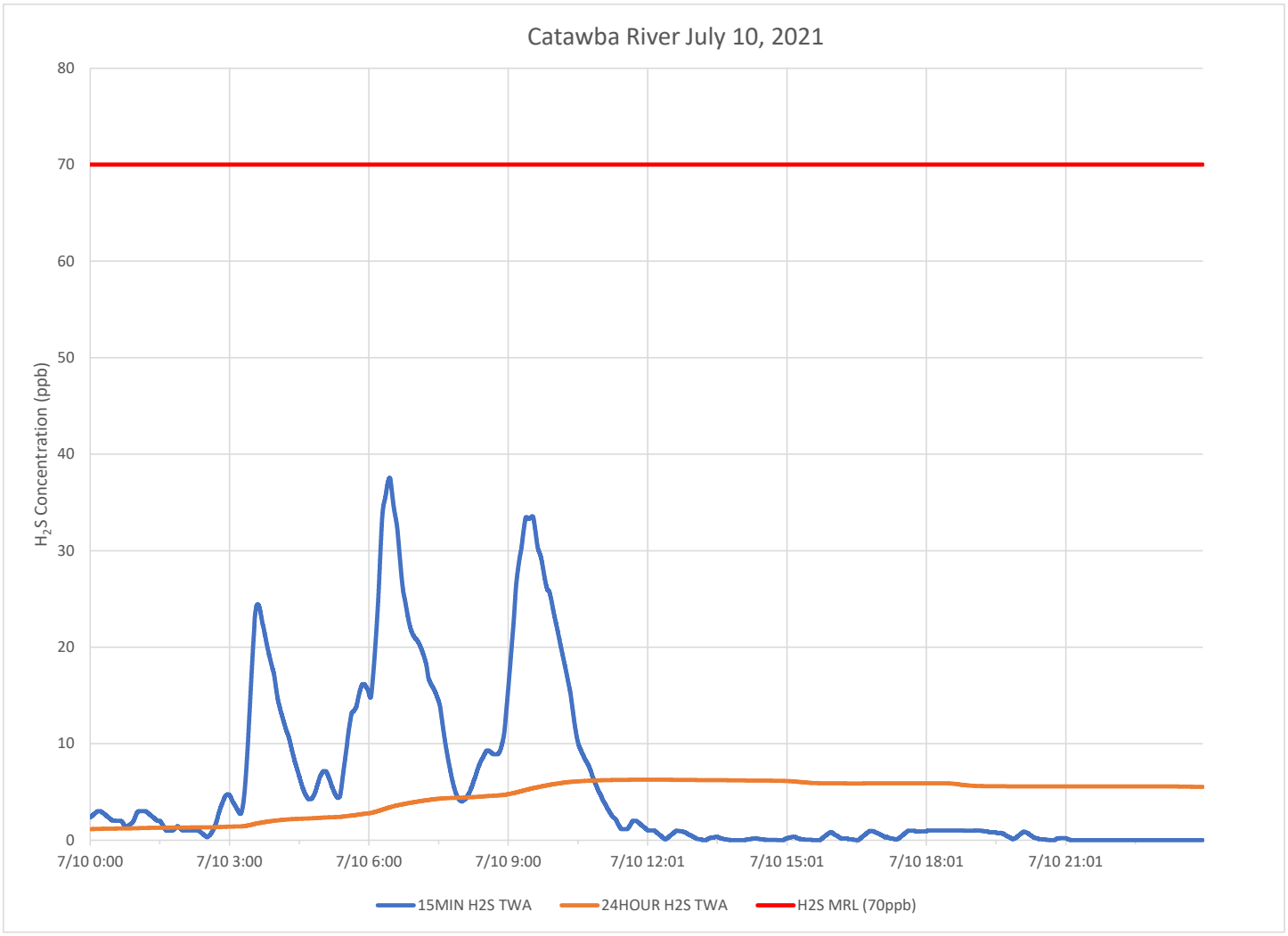
Predominant winds for this period were from the southwest.

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.



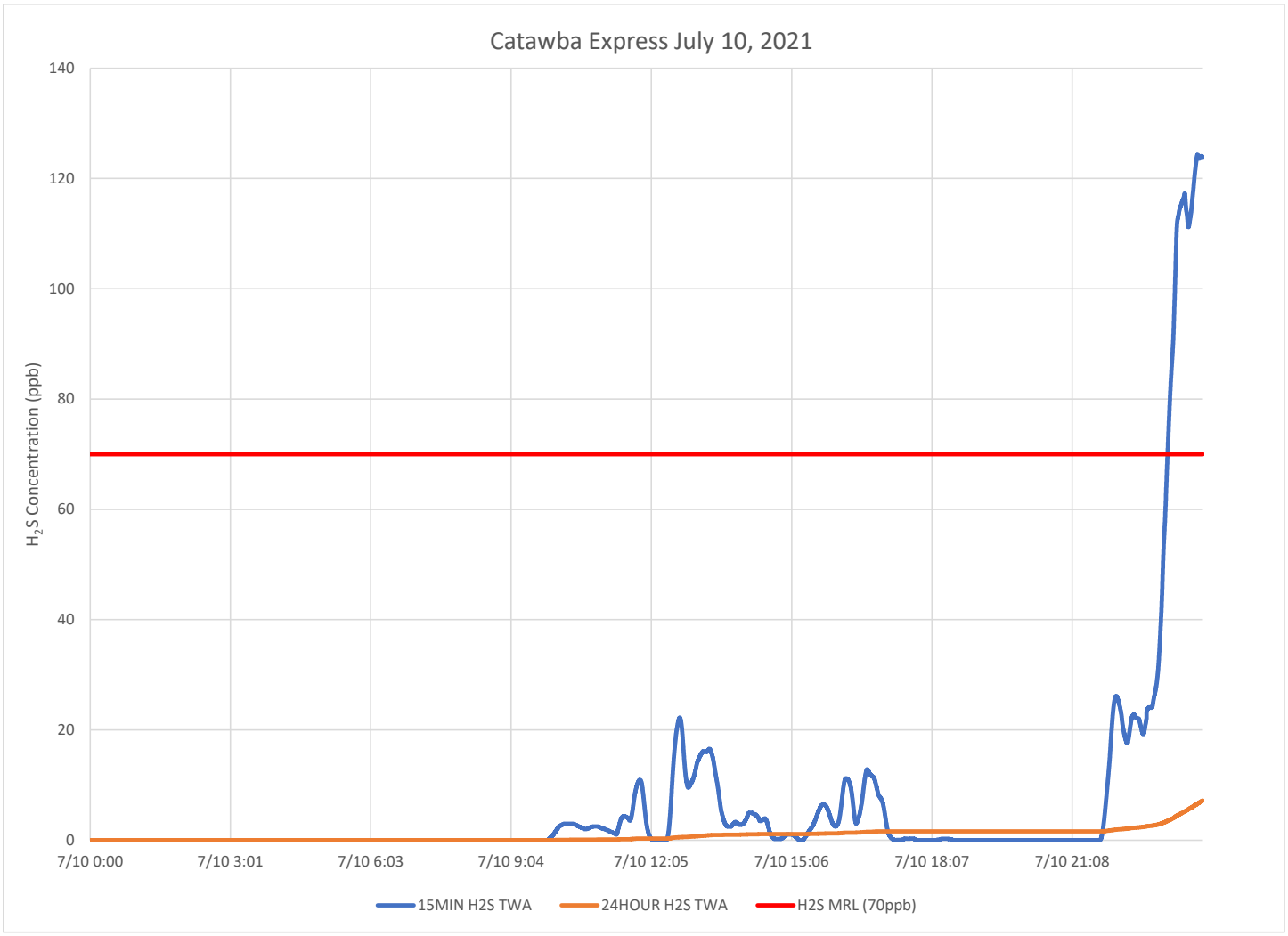
Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

Air Monitoring Summary Tables

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

Project Name: **H_2S 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

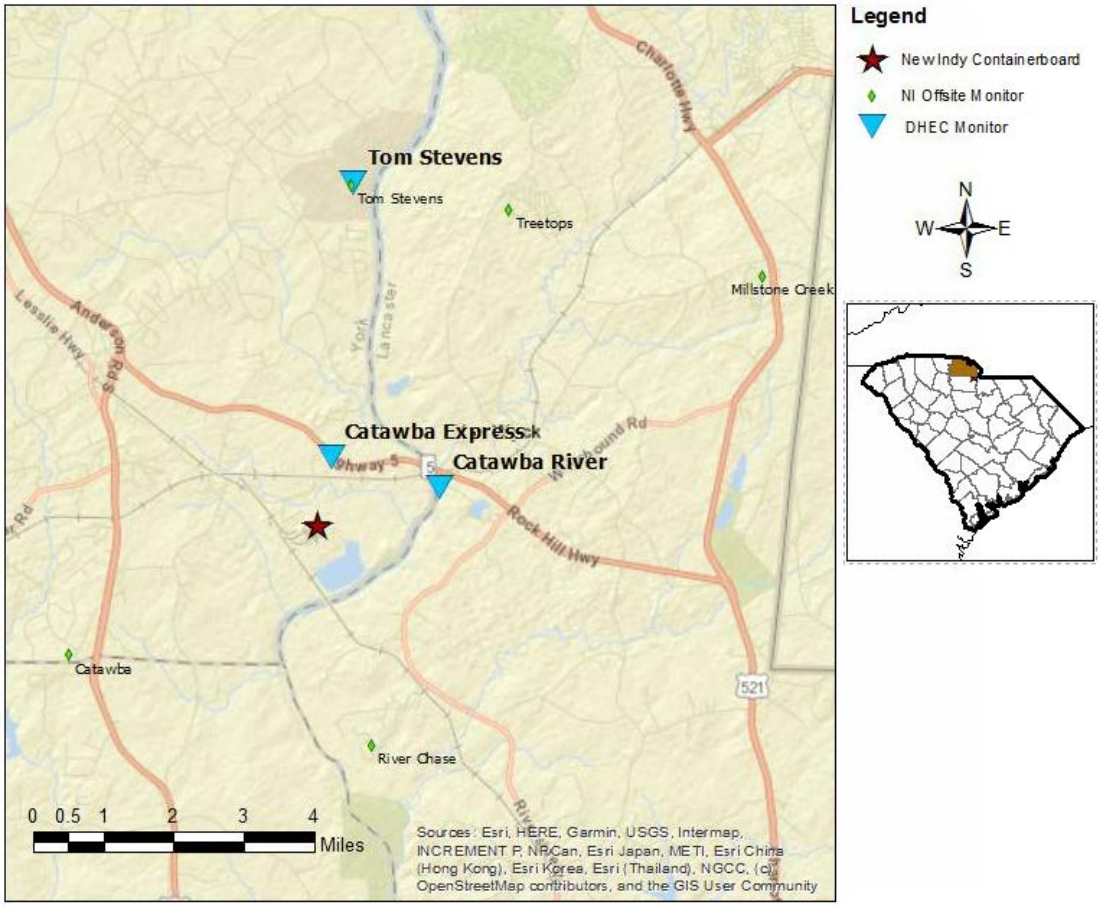
Catawba Express

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)
H_2S	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 Avergage



Legend

New Indy Containerboard

NI Offsite Monitor

DHEC Monitor

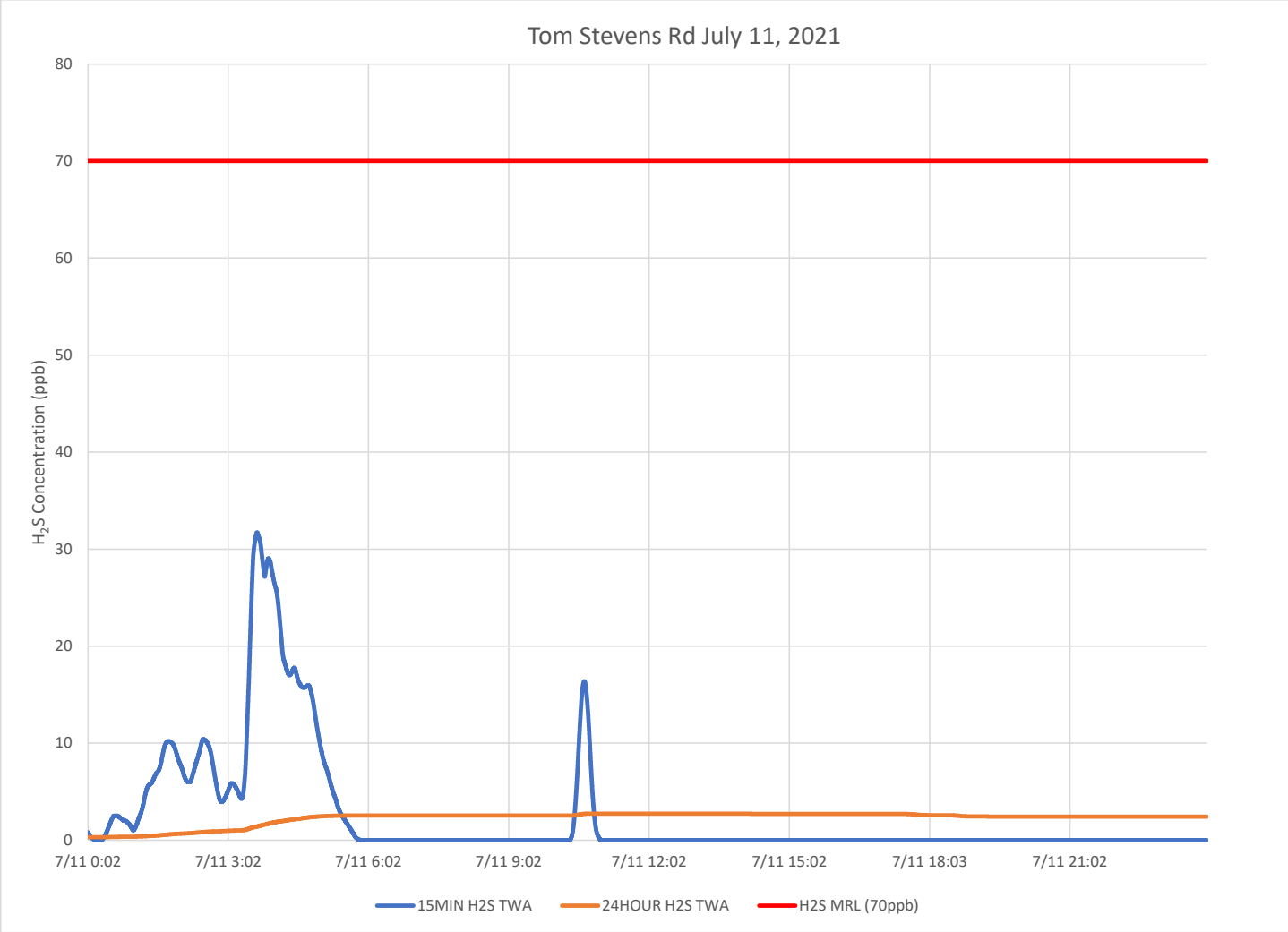
N W E S

H_2S in South Carolina

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

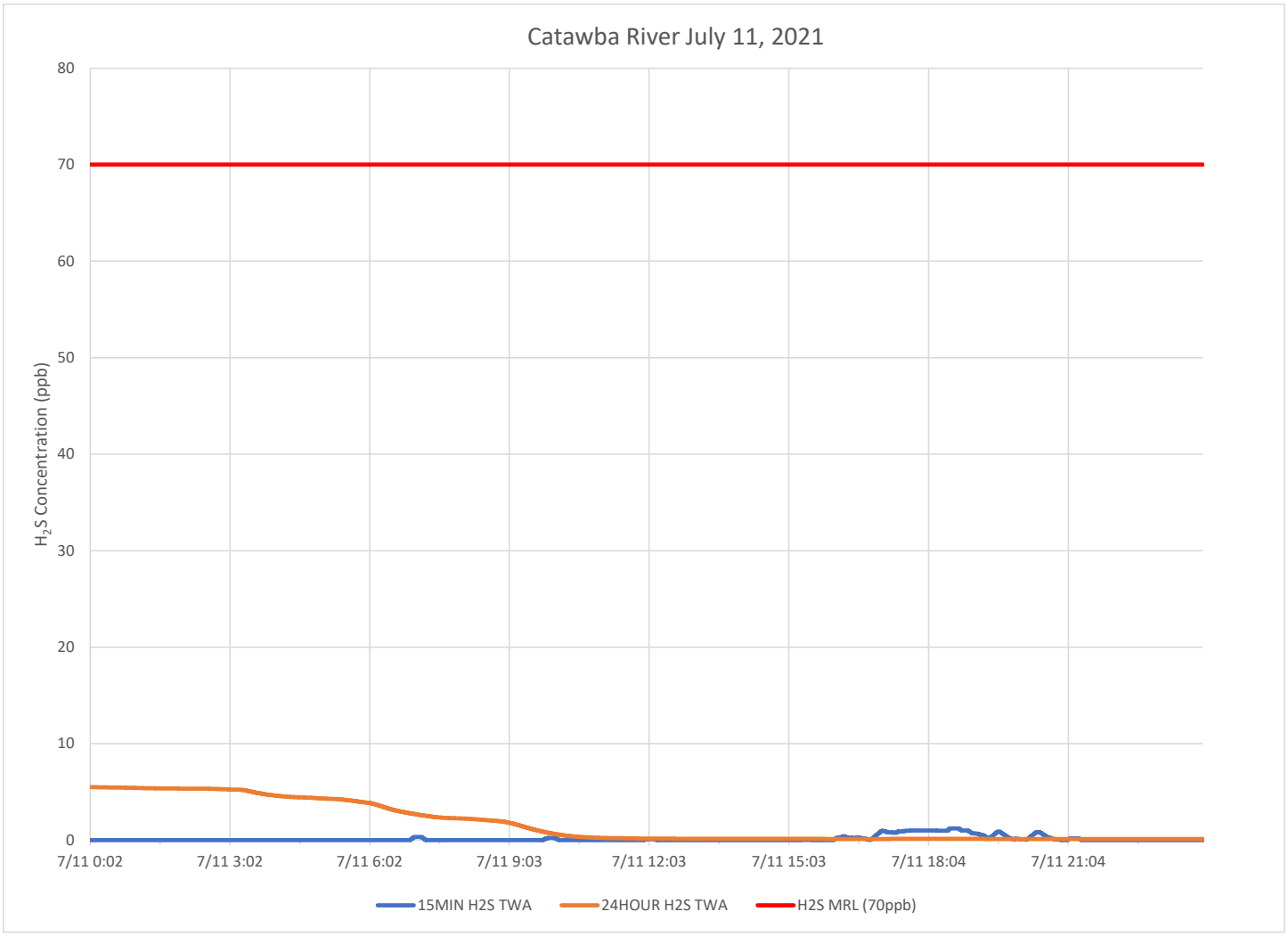
Predominant winds for this period were from the southwest.

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.



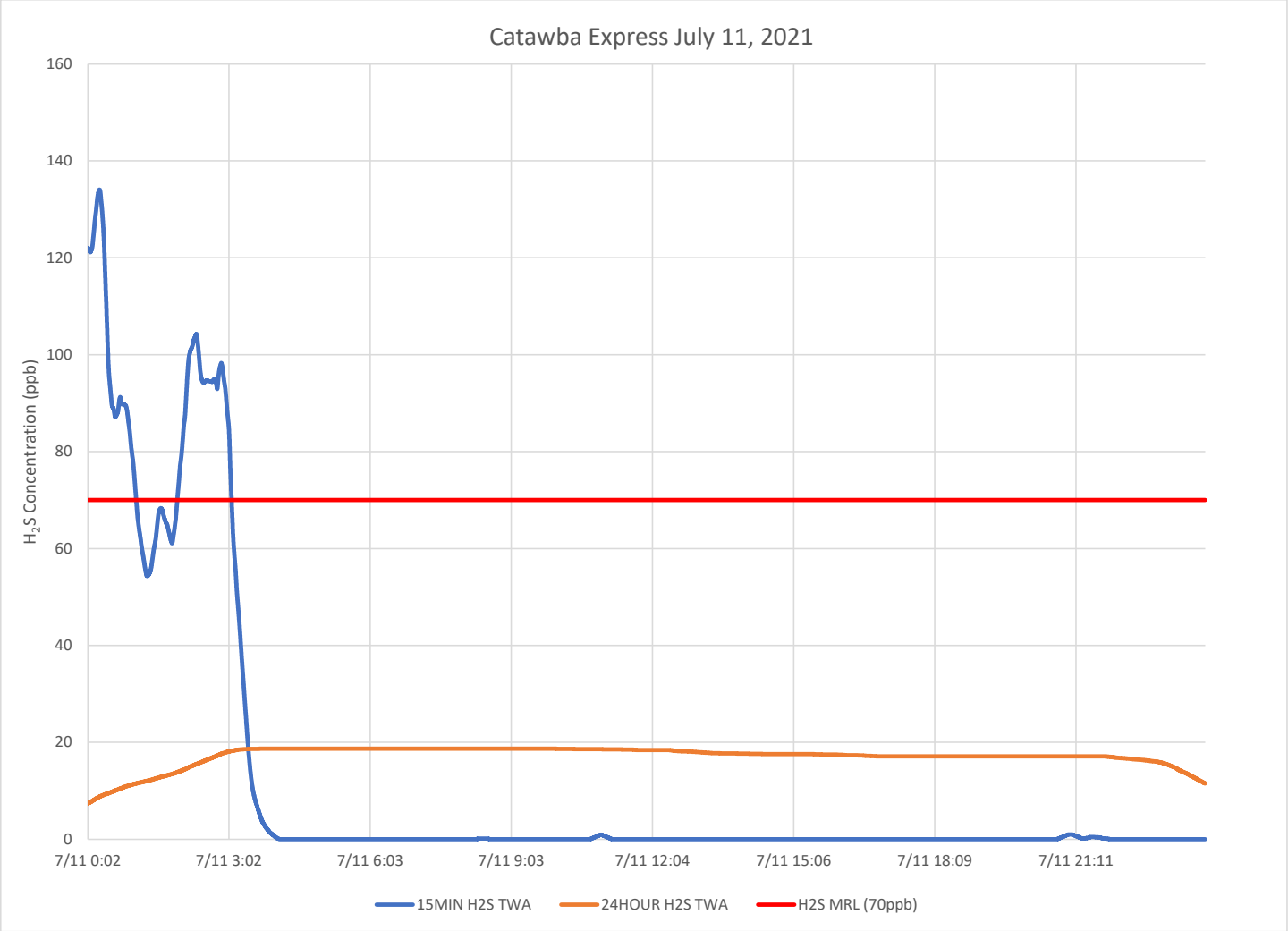
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/12/21 12:00 AM** ***To:*** **7/12/21 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	26240	957	0 - 4 ppb	0.08 ppb	70 ppb

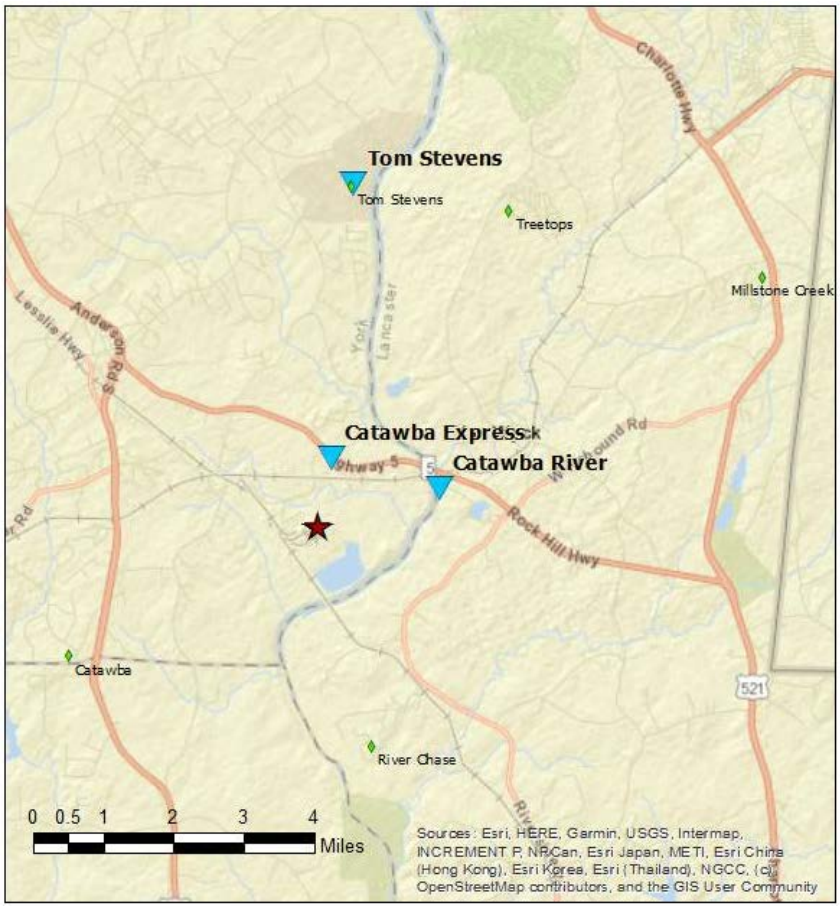
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	27469	5925	0 - 7 ppb	0.5 ppb	70 ppb

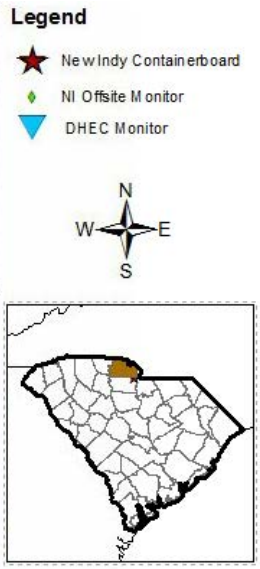
Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26318	3757	0 - 24 ppb	0.5 ppb	70 ppb

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_2S	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 Avergage

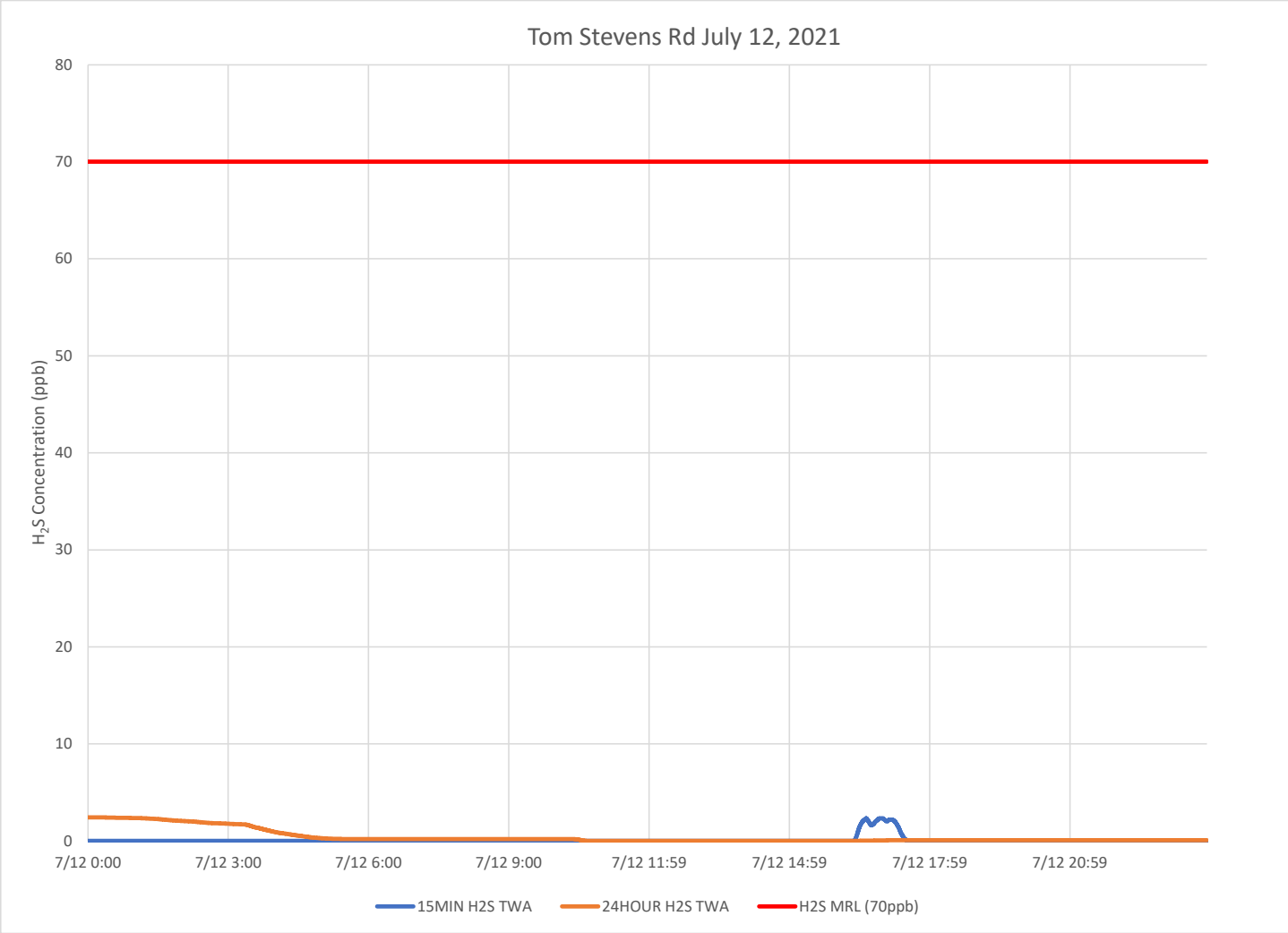




H_2S in South Carolina

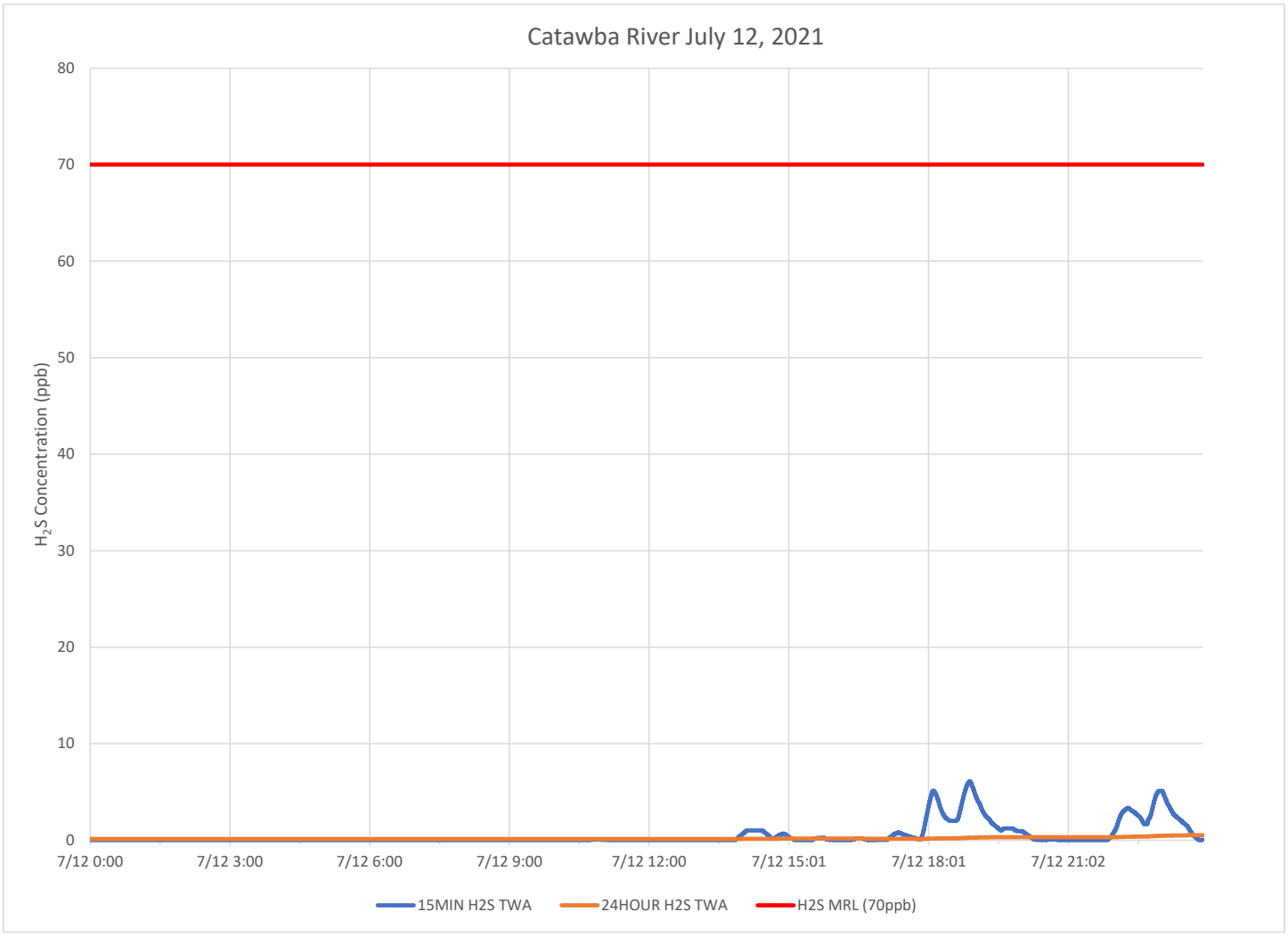
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the southwest.



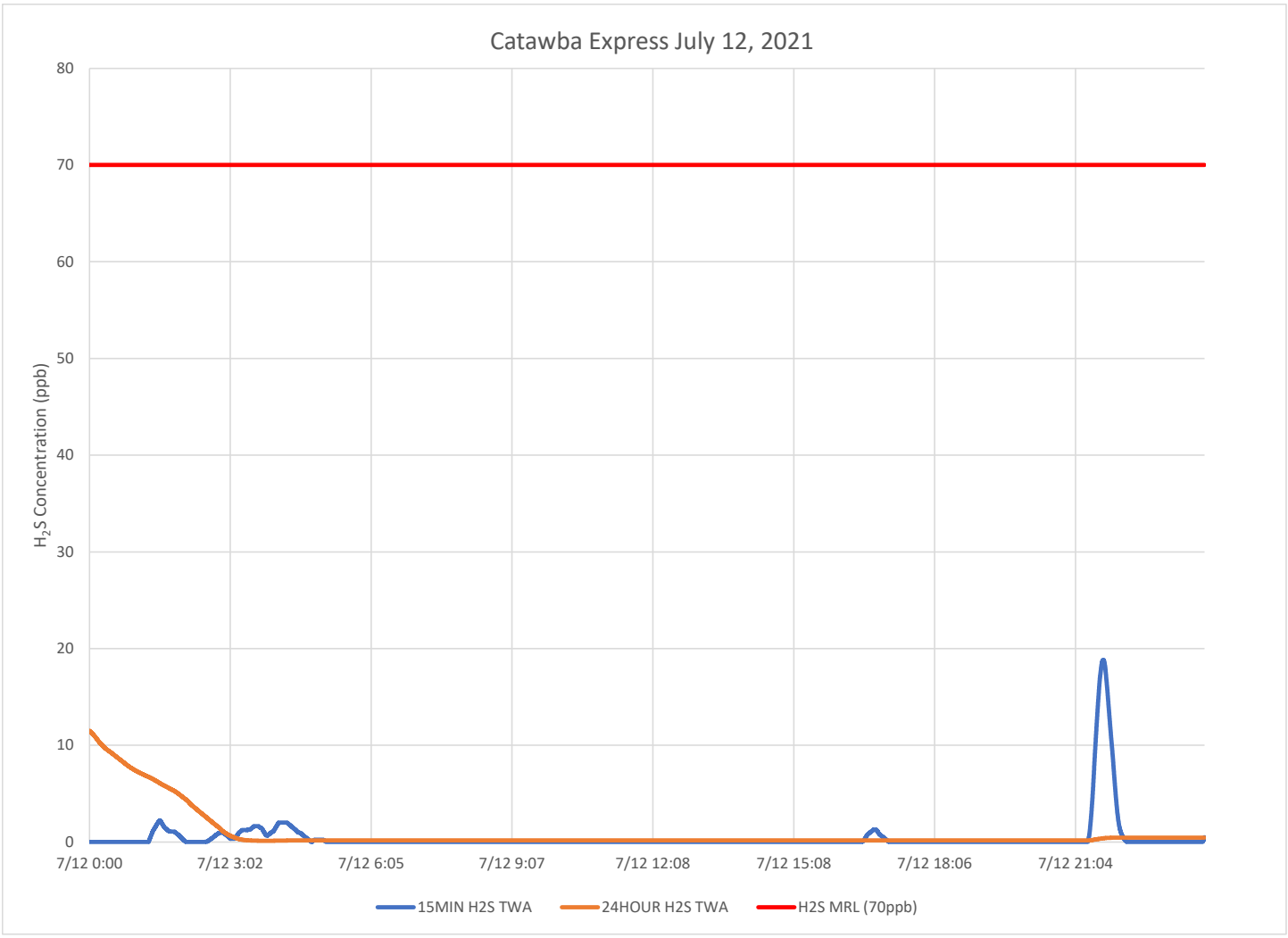
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/13/21 12:00 AM** ***To:*** **7/13/21 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	25853	8777	0 - 17 ppb	1.65 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	26389	7232	0 - 6 ppb	0.41 ppb	70 ppb

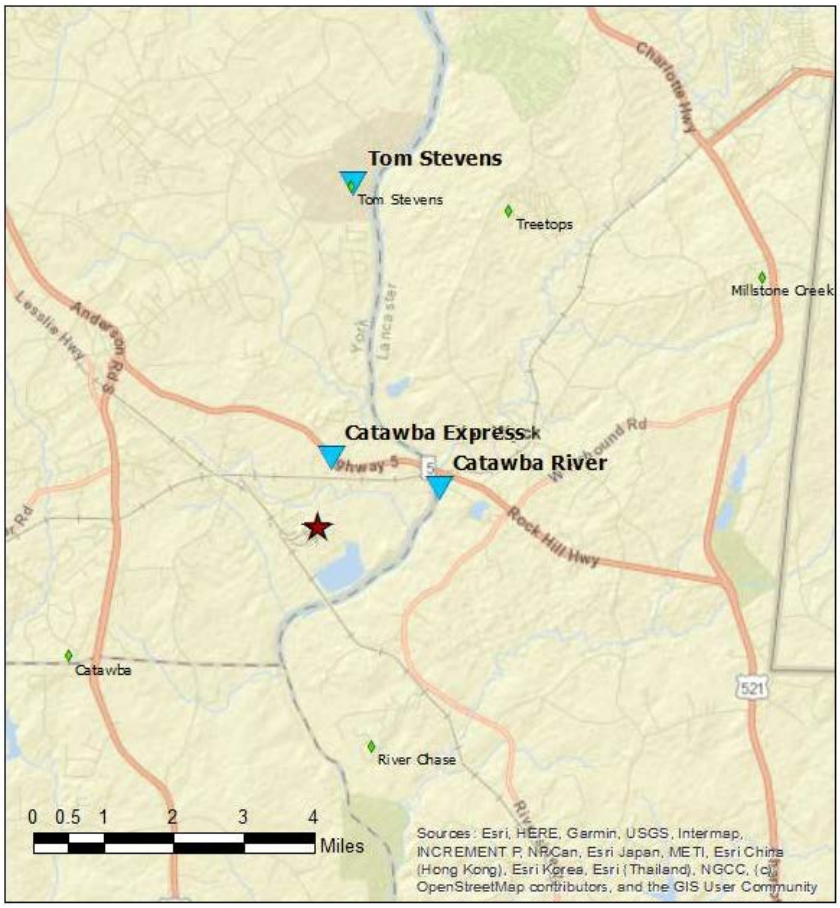
Catawba Express

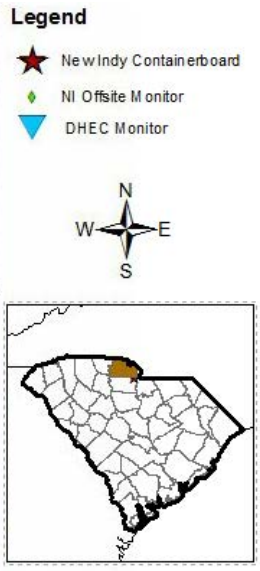
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26408	8107	0 - 13 ppb	0.96 ppb	70 ppb

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_2S	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 Avergage

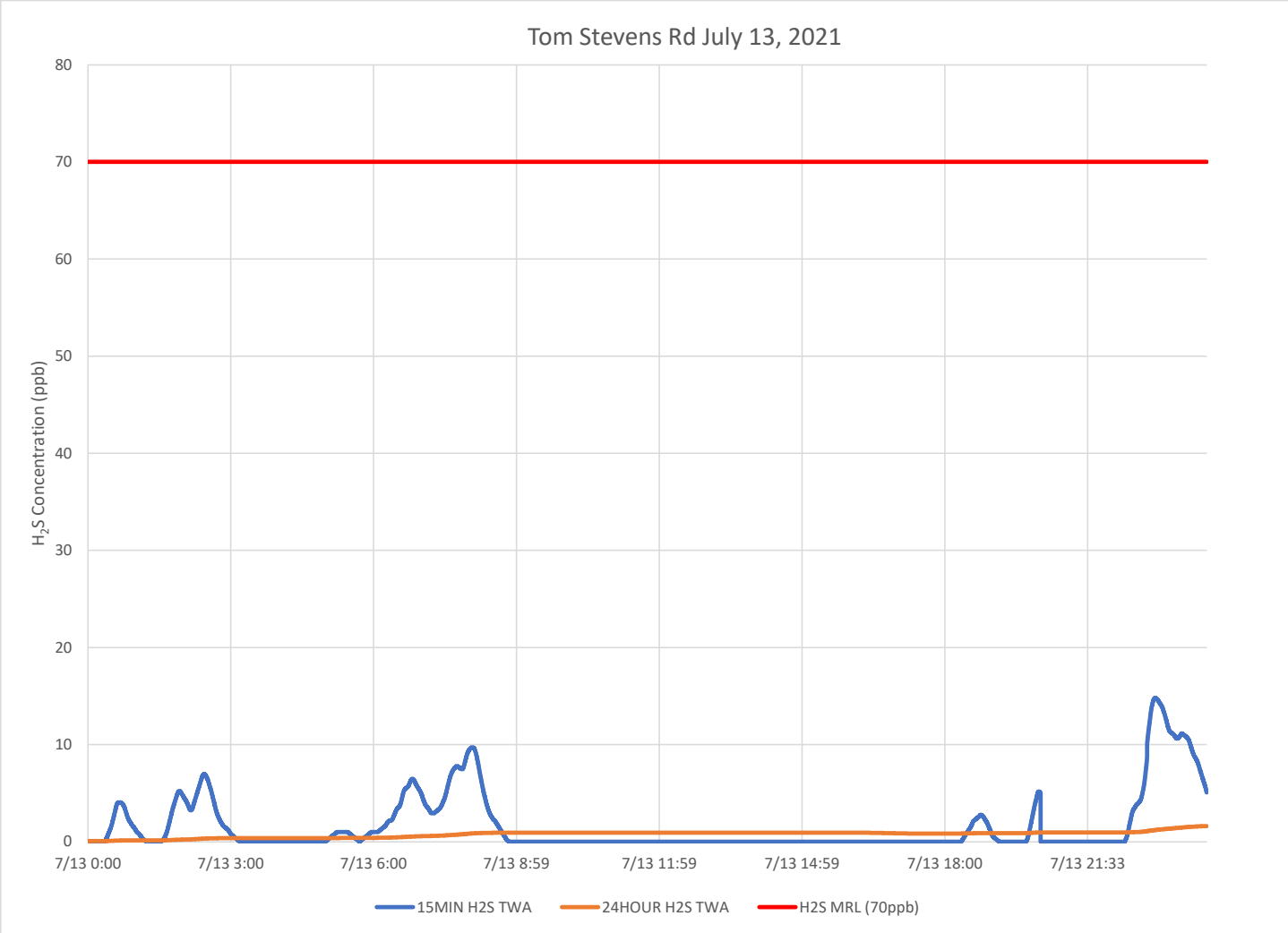




H_2S in South Carolina

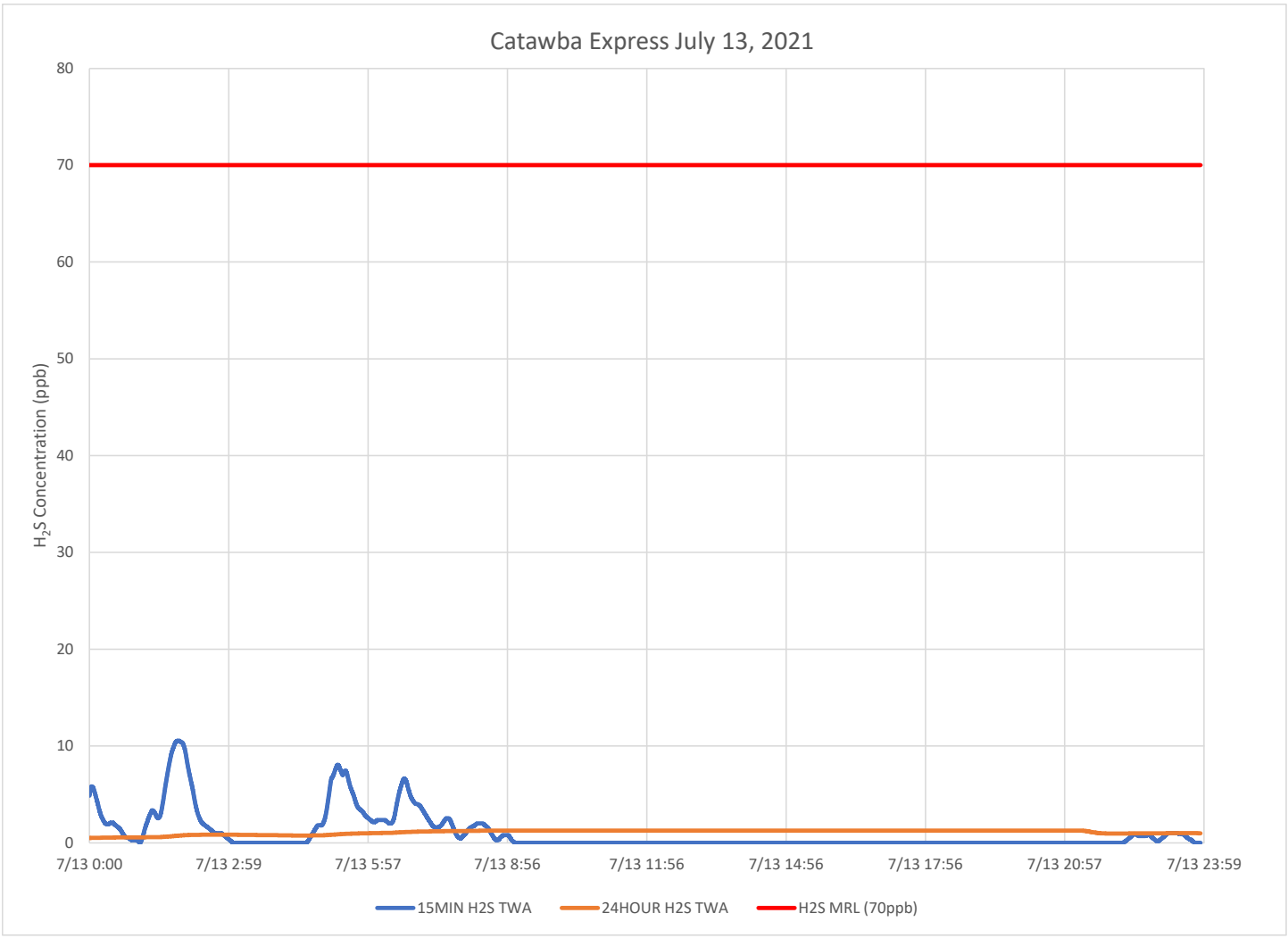
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the west southwest to south southwest.



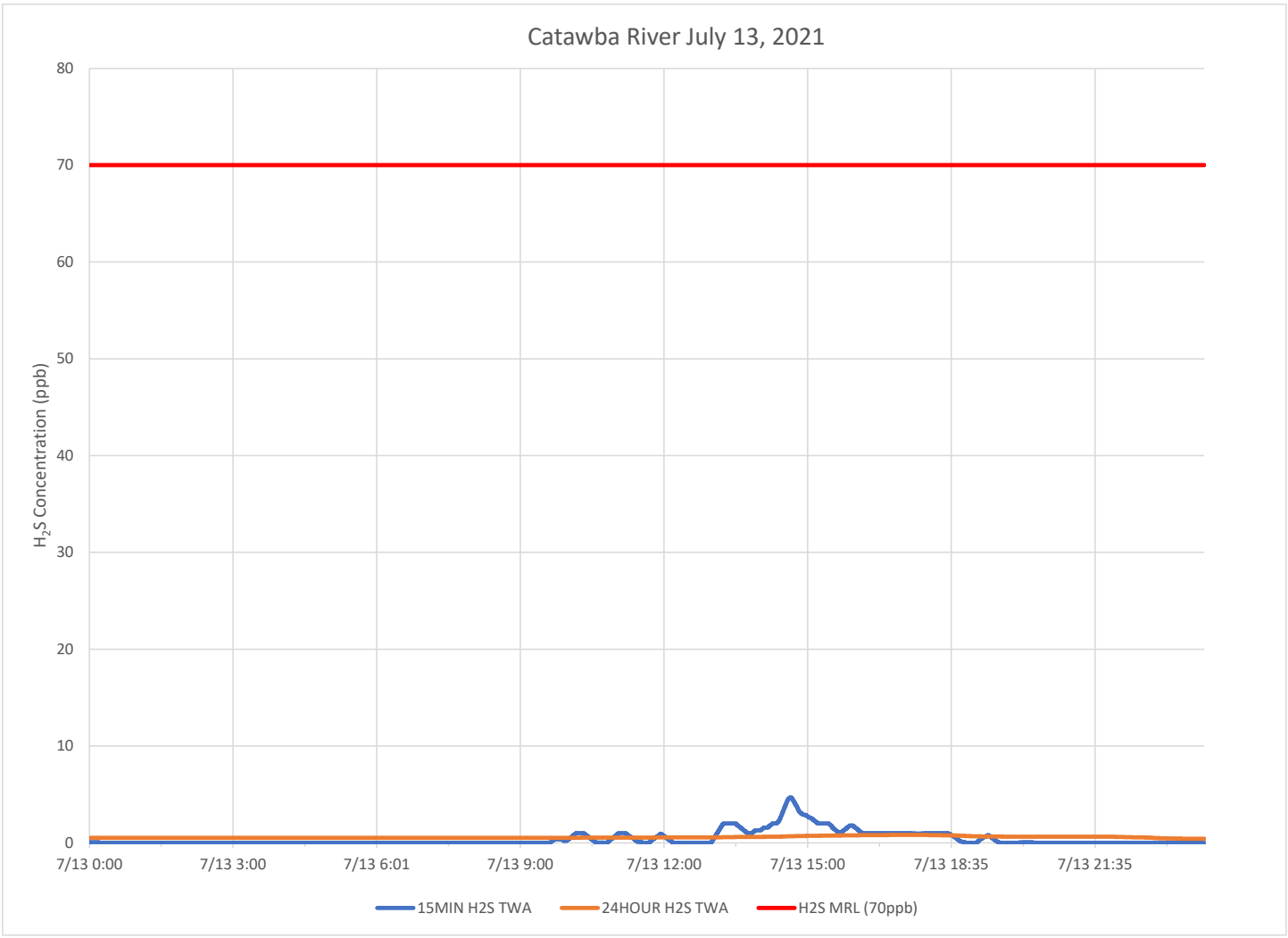
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/14/21 12:00 AM** ***To:*** **7/14/21 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	27319	1347	0 - 3 ppb	0.08 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	26998	6282	0 - 10 ppb	0.71 ppb	70 ppb

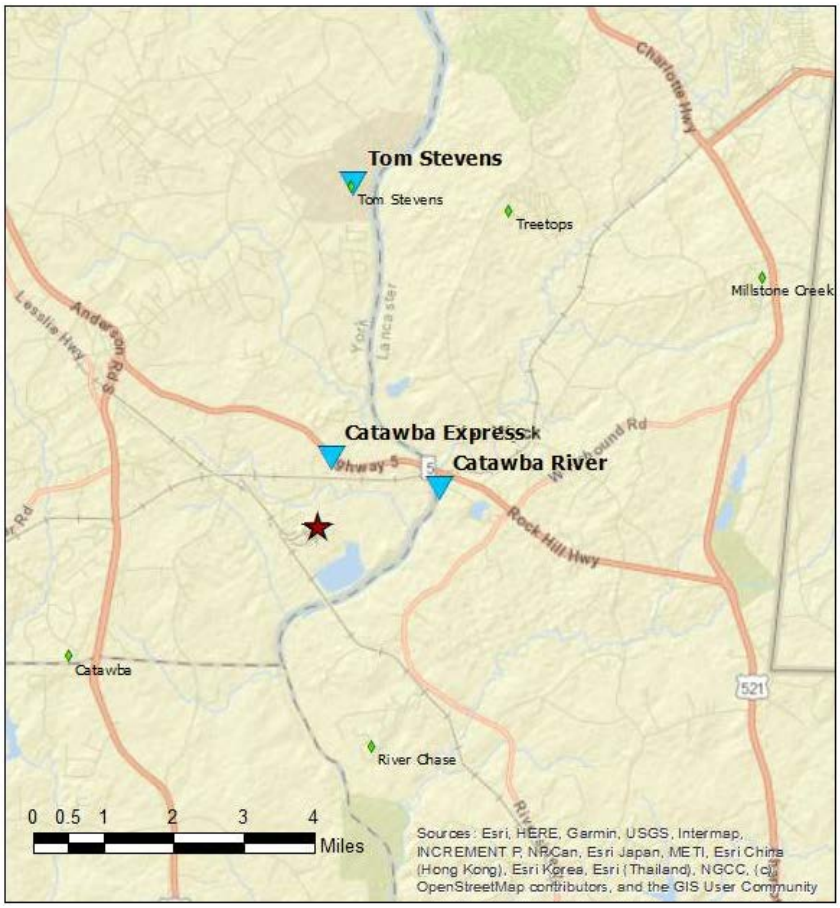
Catawba Express

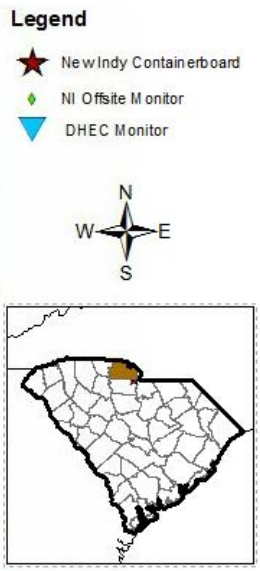
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	22197	2569	0 - 4 ppb	0.19 ppb	70 ppb

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_2S	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

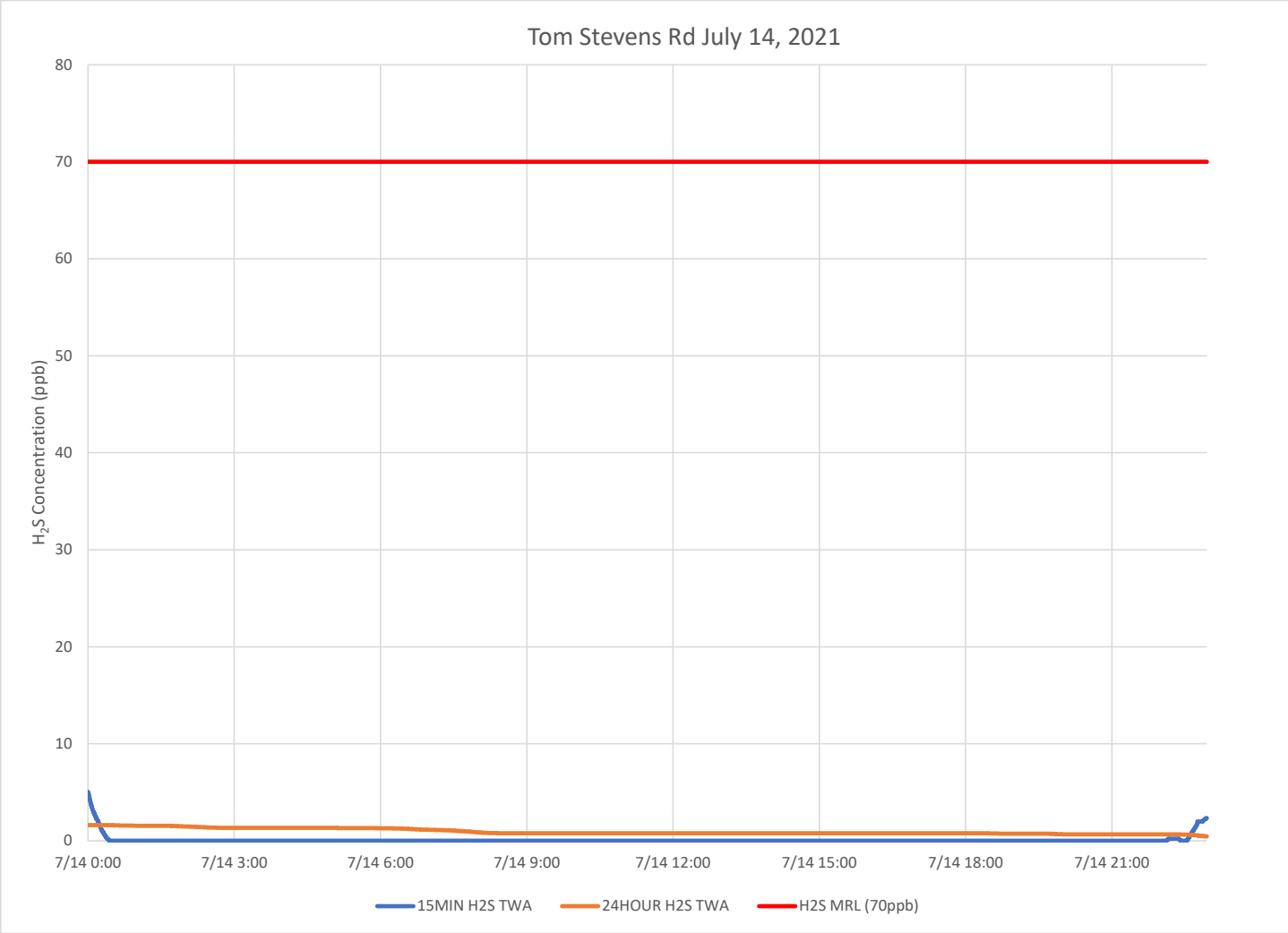




H_2S in South Carolina

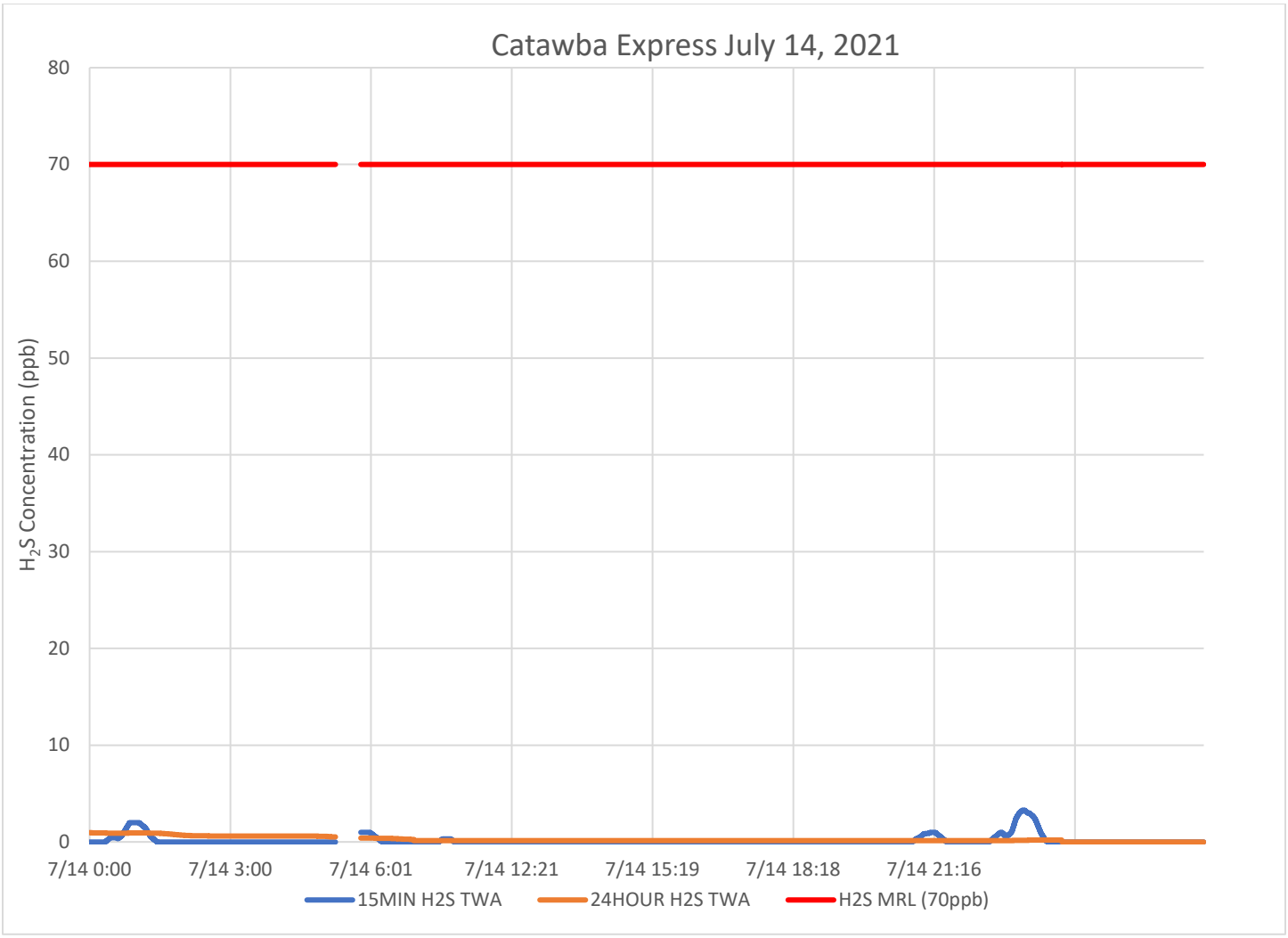
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the west southwest to south southwest.



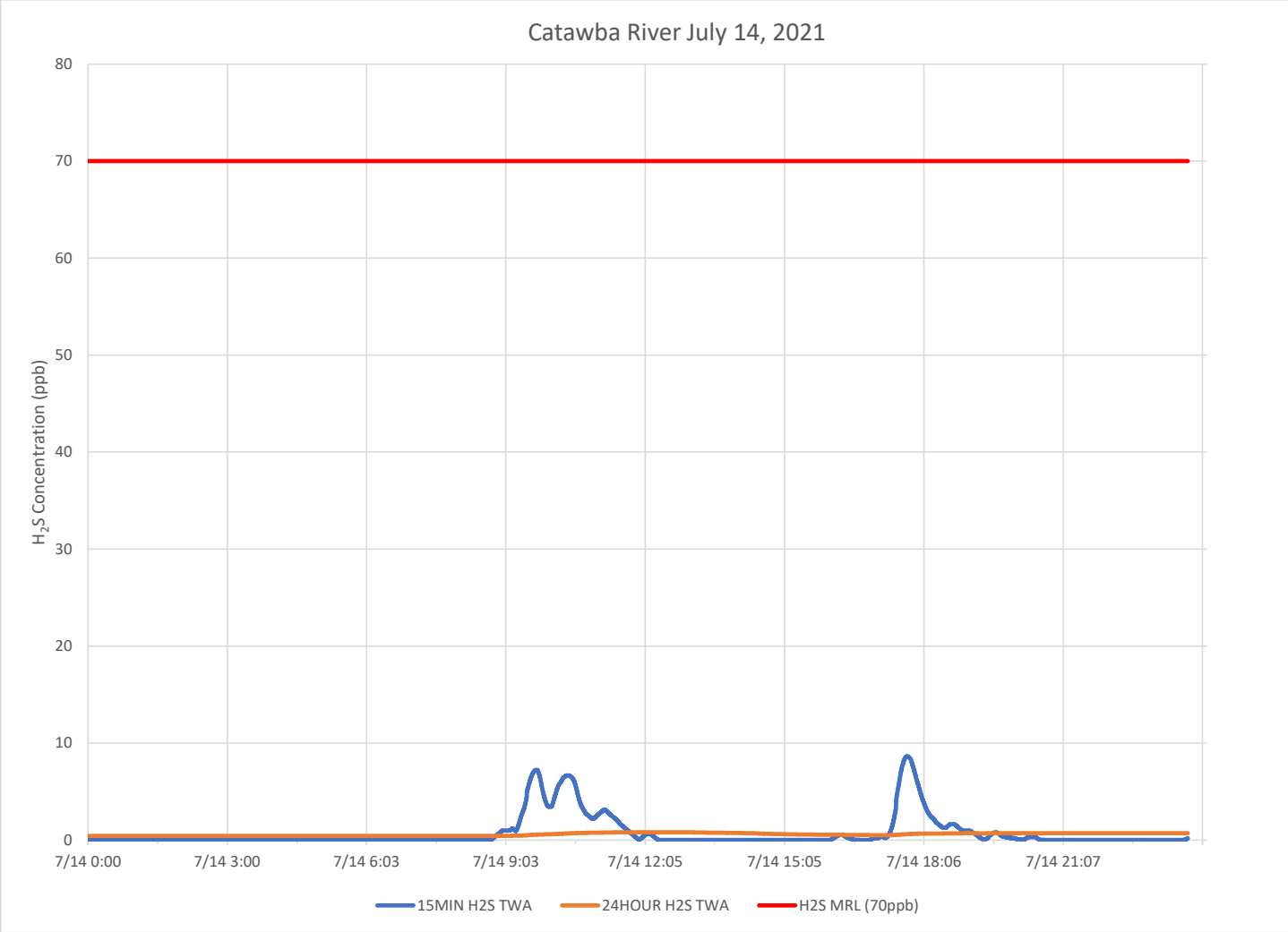
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/15/21 12:00 AM** ***To:*** **7/16/21 12:00 AM**

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	27330	1457	0 - 8 ppb	0.14 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	27411	11670	0 - 4 ppb	0.59 ppb	70 ppb

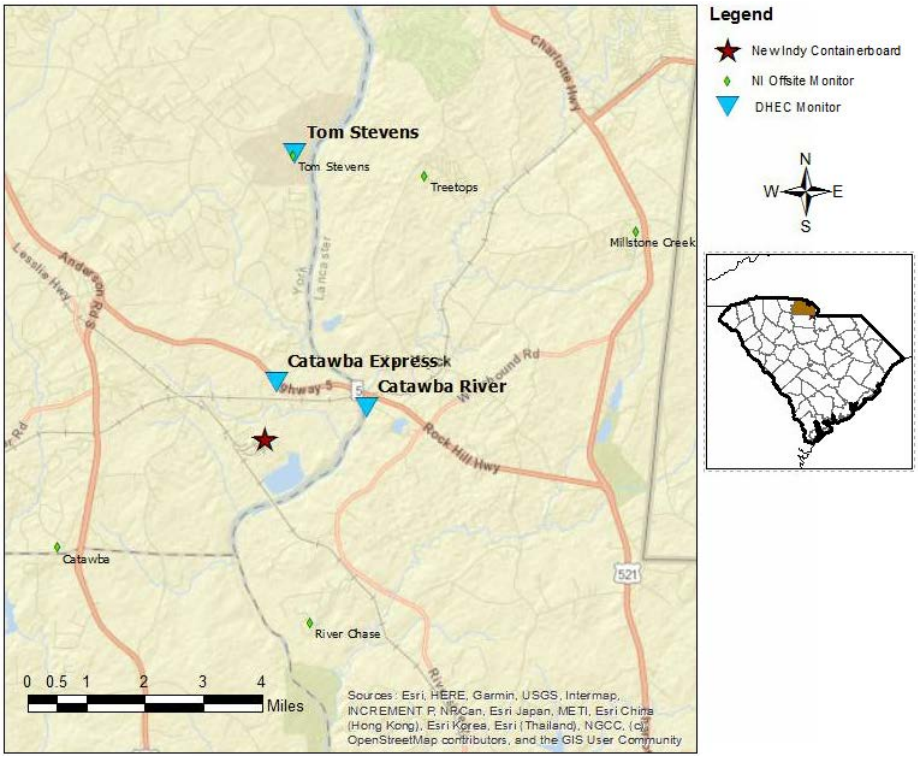
Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	13191	2074	0 - 4 ppb	0.28 ppb	70 ppb

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_2S	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

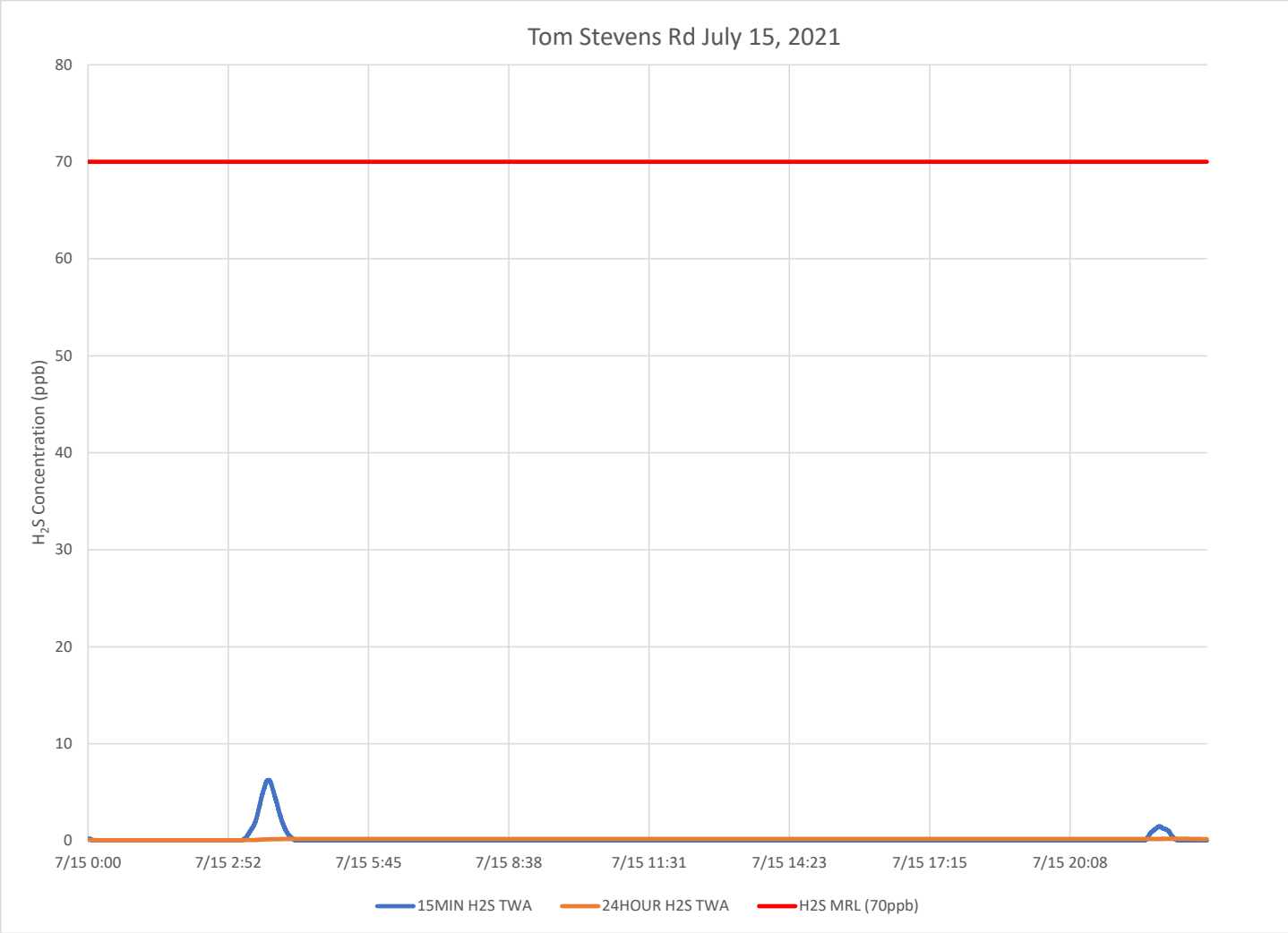
Catawba Express summary data is calculated only through 11:50 AM due to change in data system during this period



H_2S in South Carolina

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

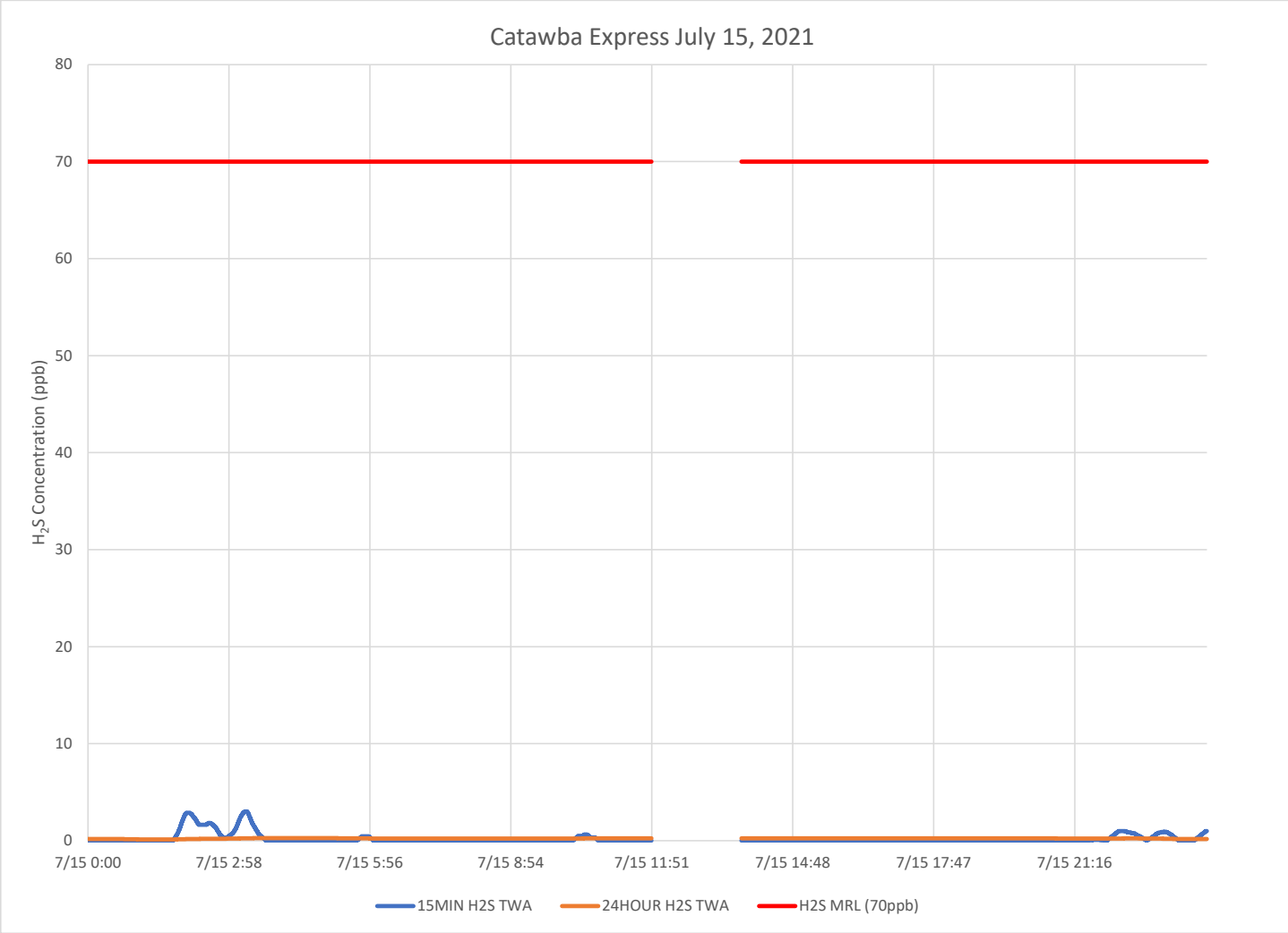
Predominant winds for this period were from the south southwest.



Notes:

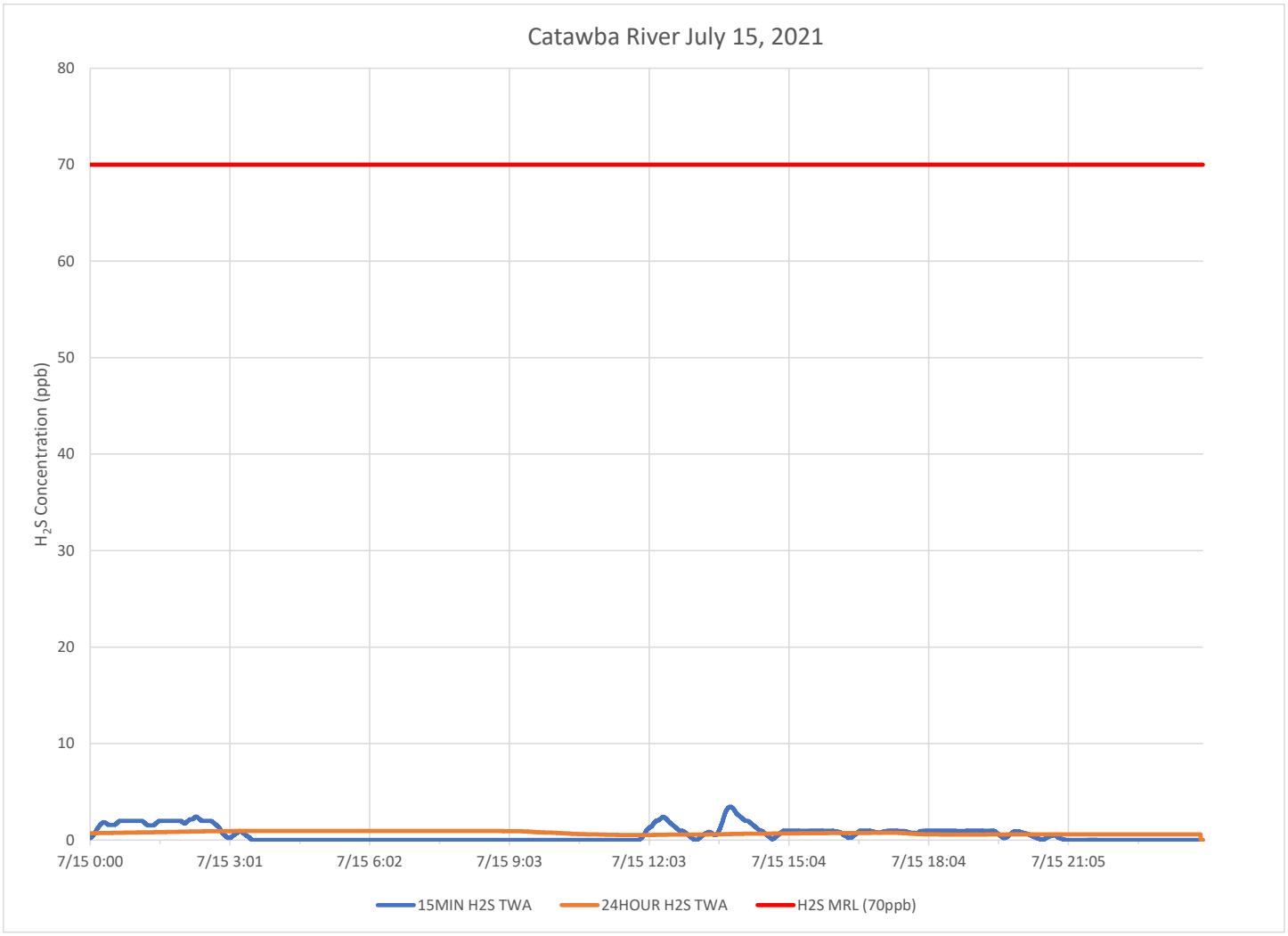
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion

The communications gateway was switched out midday during this period to resolve the communications failures previously seen at this site.



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/16/21 12:00 AM** ***To:*** **7/16/21 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	22300	2425	0 - 24 ppb	0.88 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	27106	5973	0 - 12 ppb	0.62 ppb	70 ppb

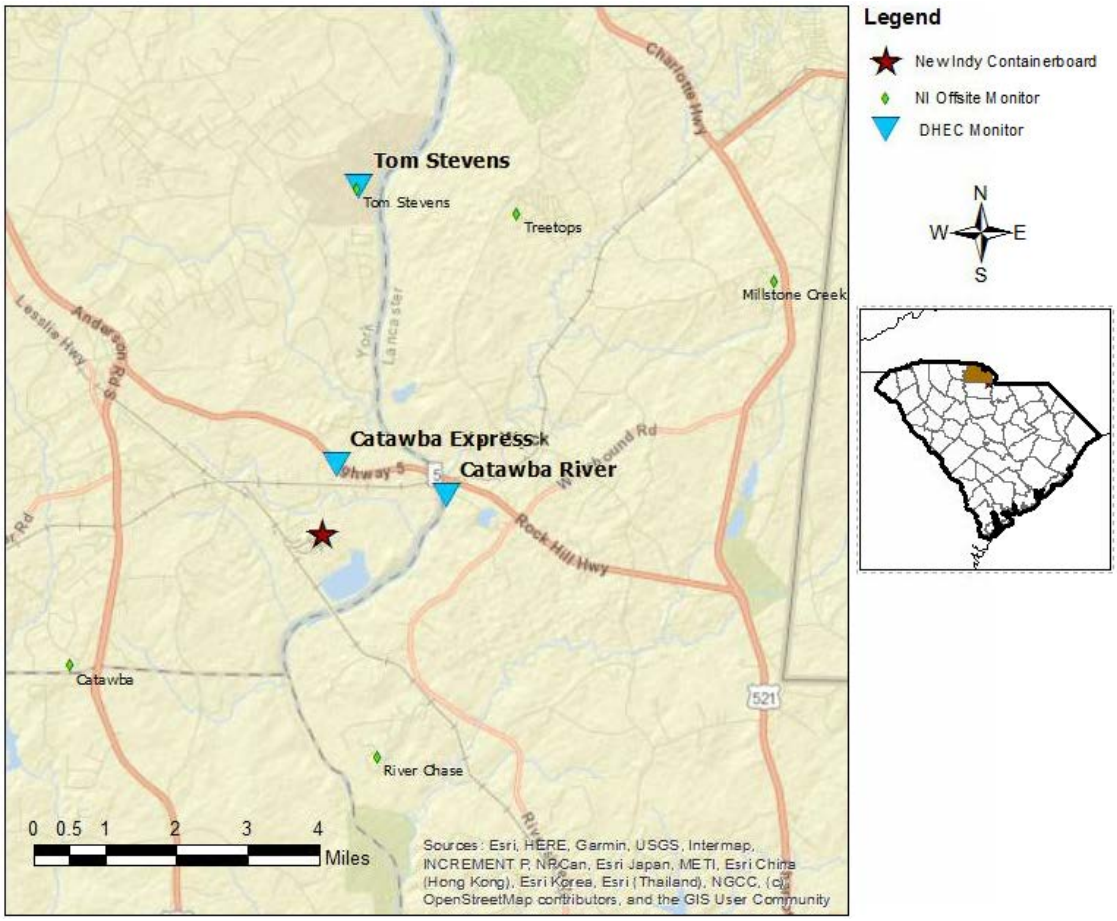
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27050	3078	0 - 2 ppb	0.15 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_2S	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

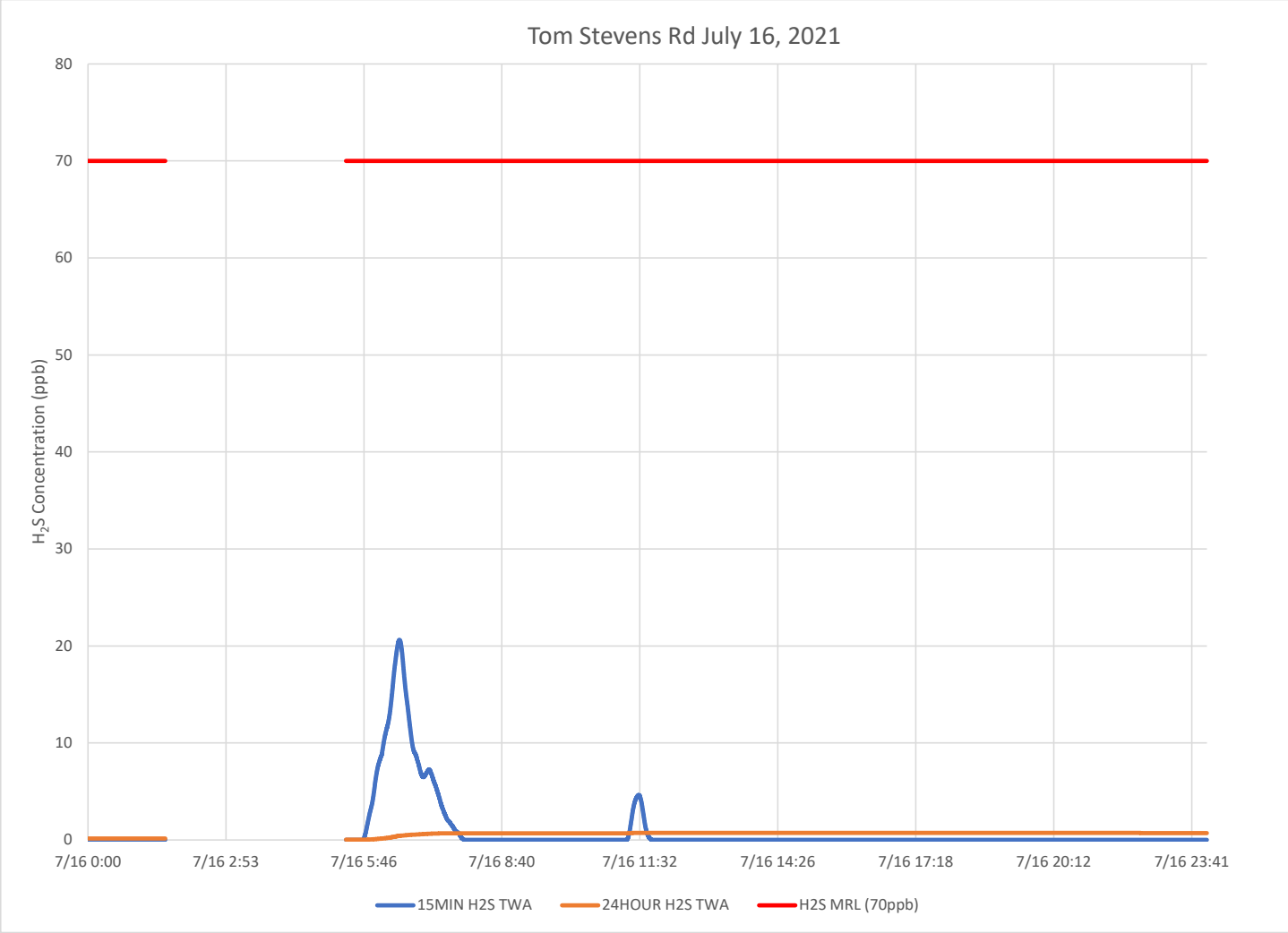


H_2S in South Carolina

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

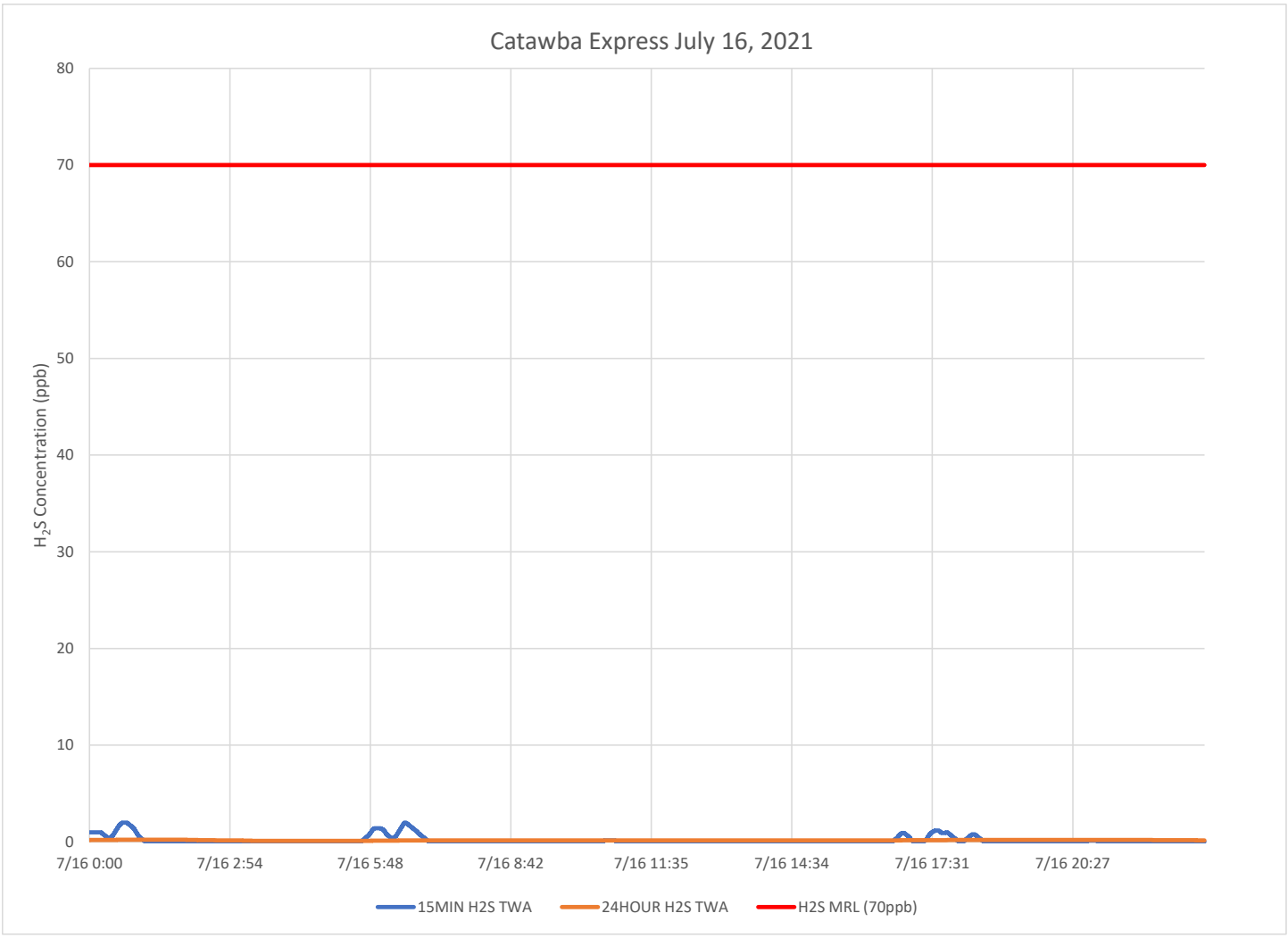
Predominant winds for this period were from the south west to south southwest.

The communications were interrupted for several hours in the morning at the Tom Stevens Rd site. If data is recovered, an amended report will be posted.



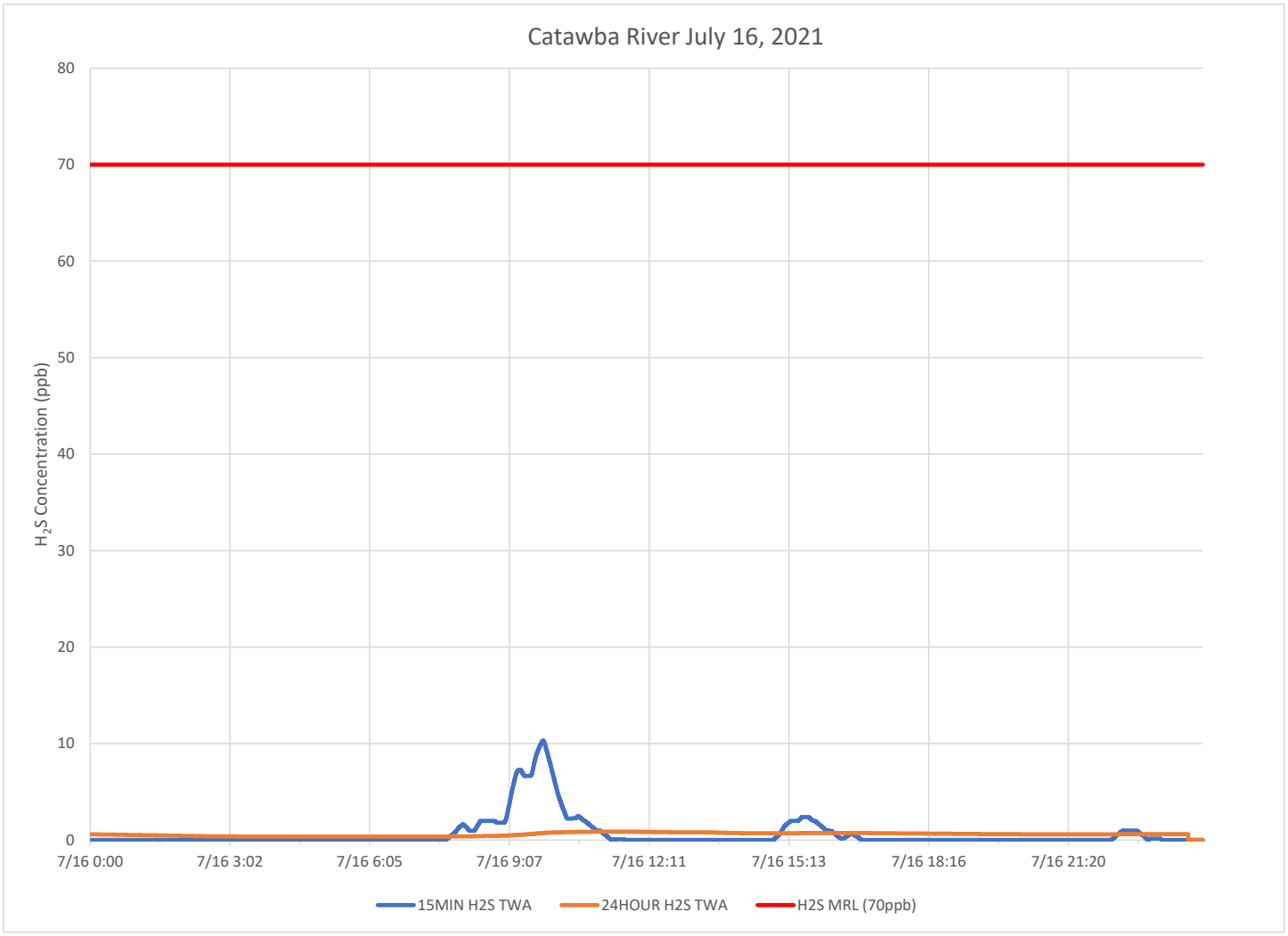
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/17/21 12:00 AM** ***To:*** **7/17/21 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	25867	1789	0 - 5 ppb	0.17 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	26167	2437	0 - 2 ppb	0.11 ppb	70 ppb

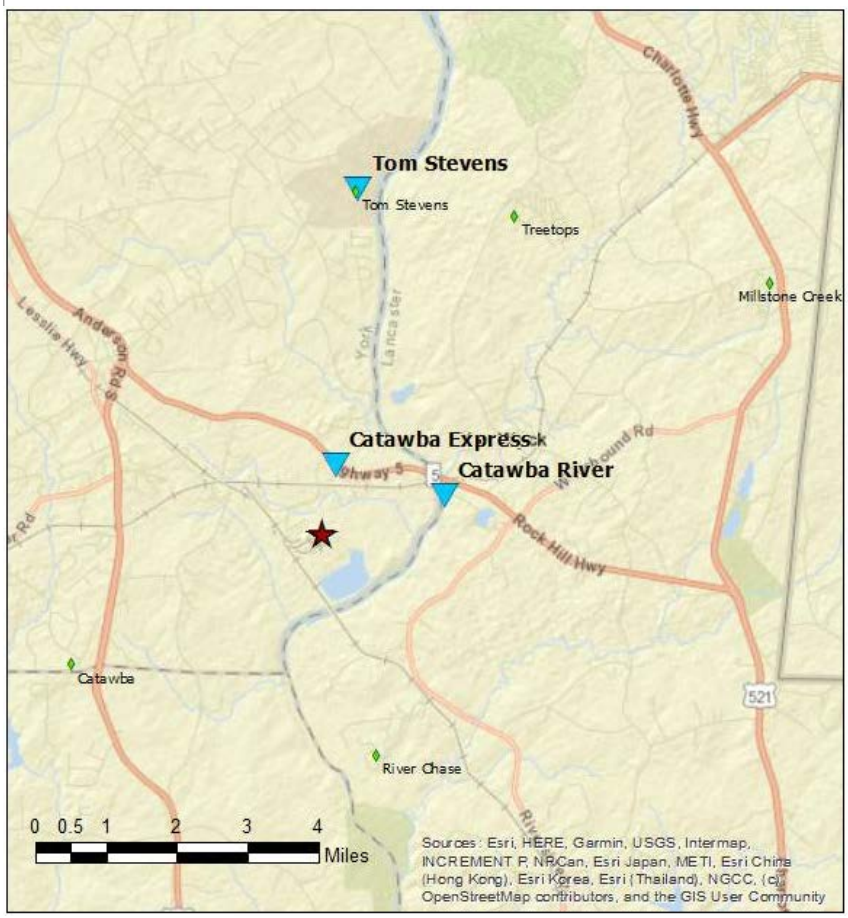
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27108	4458	0 - 12 ppb	0.38 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.

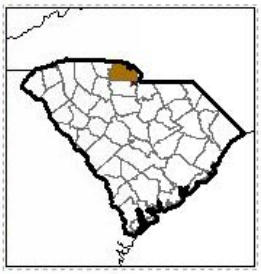
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

N
W E
S

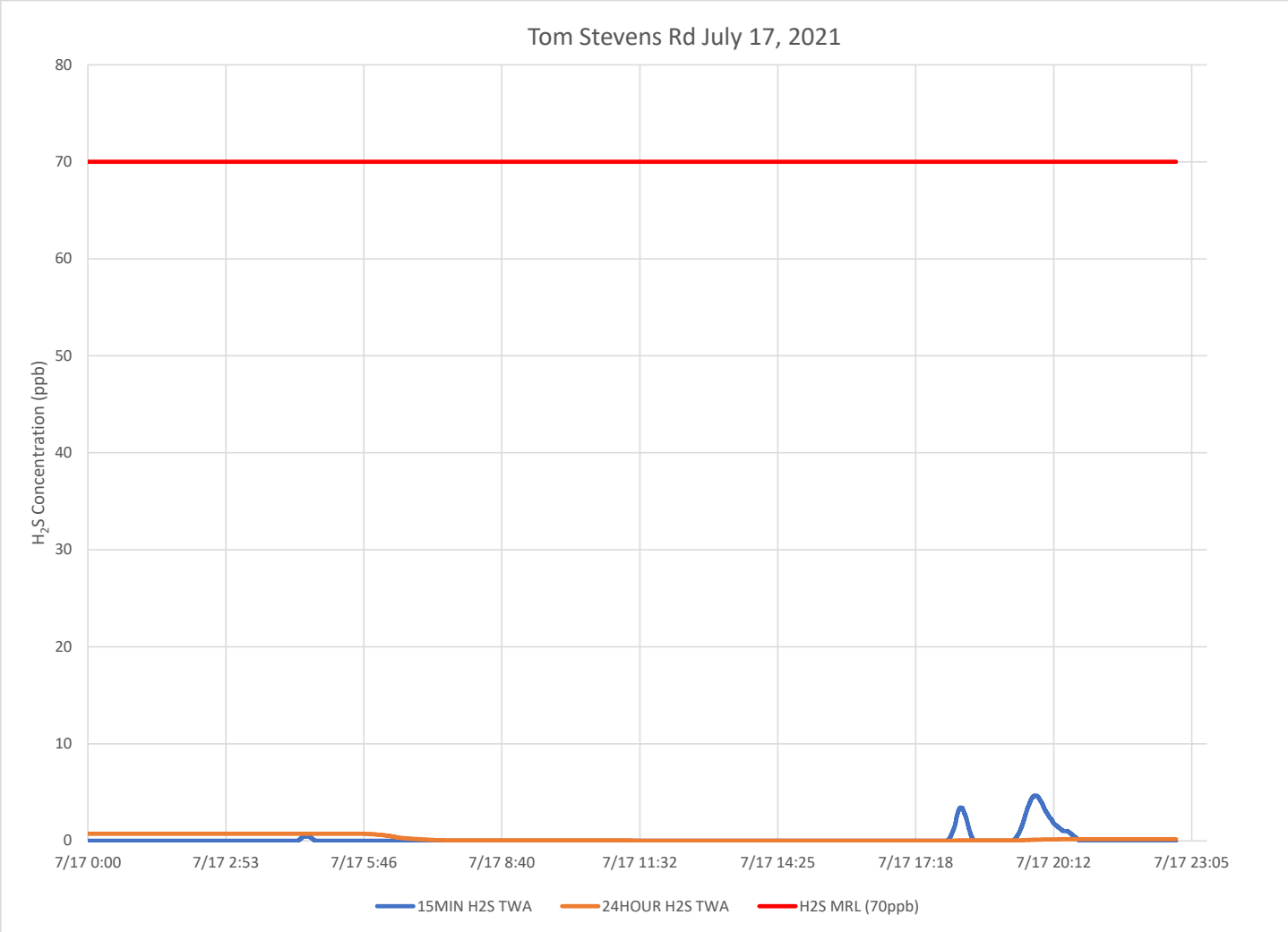


H_2S in South Carolina

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

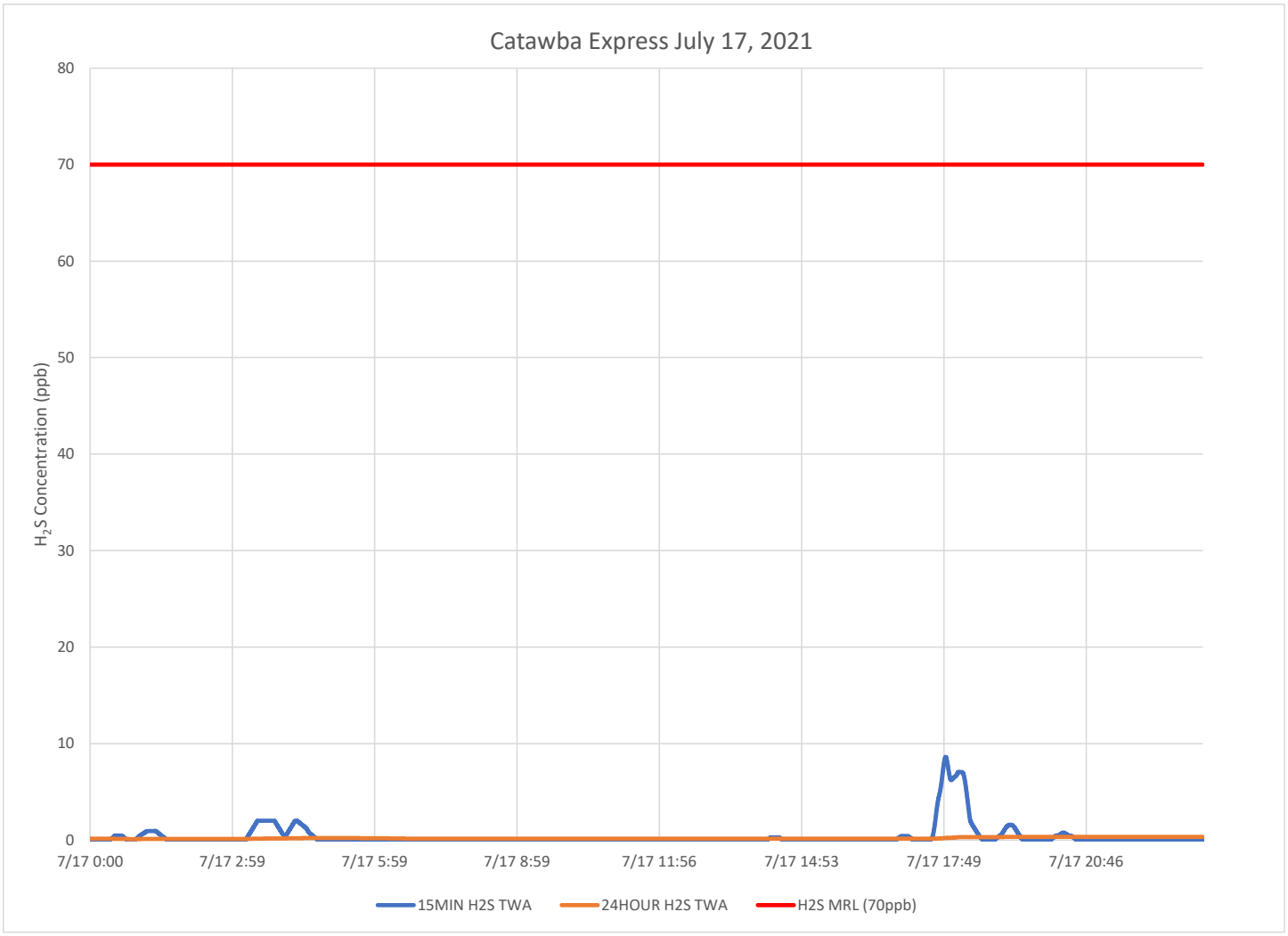
Predominant winds for this period were from the south west to south southwest.

The communications were interrupted for several hours late evening at the Tom Stevens Rd site. If data is recovered, an amended report will be posted.



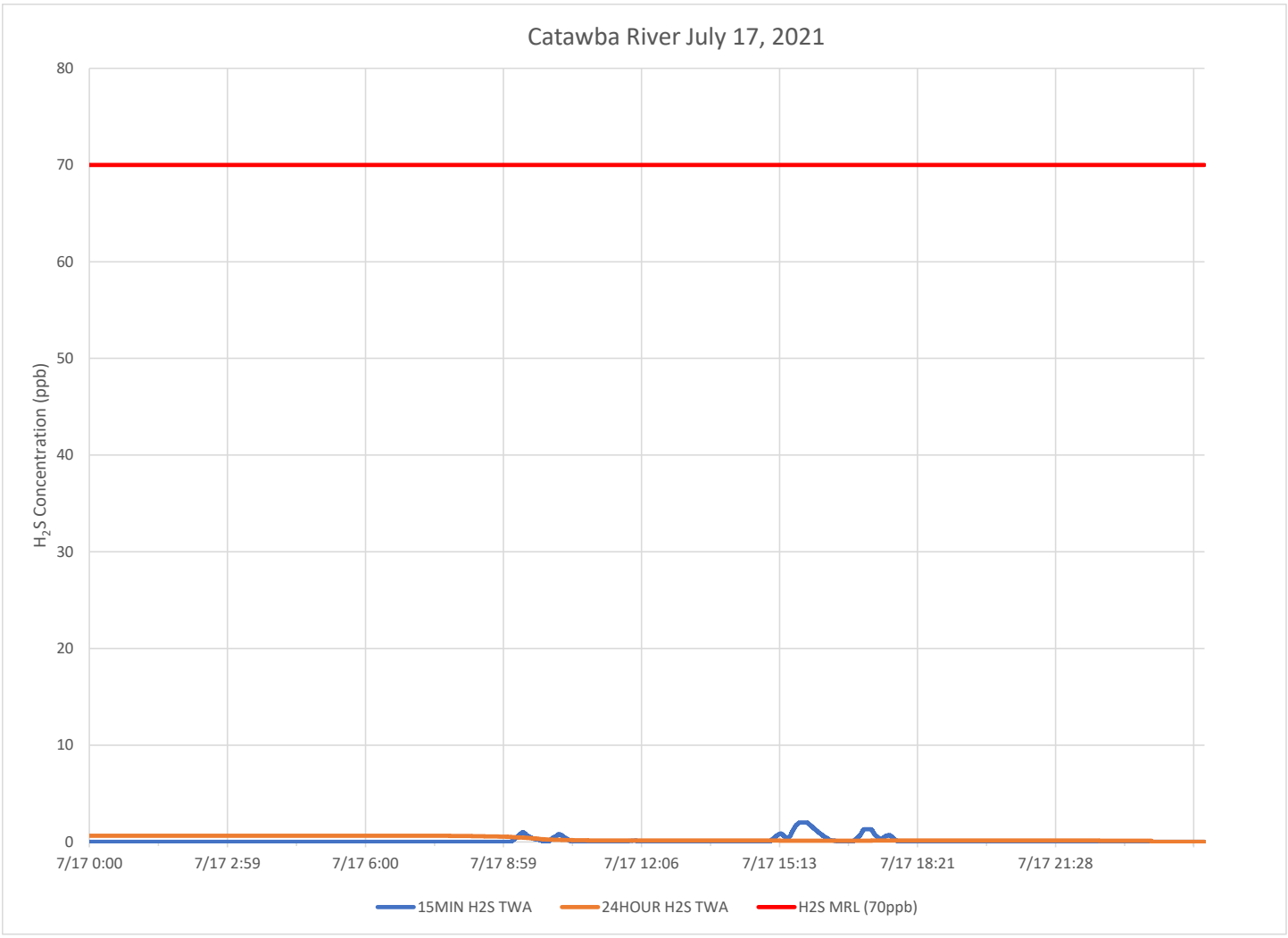
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/18/21 12:00 AM** ***To:*** **7/18/21 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	26188	1158	0 - 48 ppb	0.75 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	25723	7582	0 - 43 ppb	2.05 ppb	70 ppb

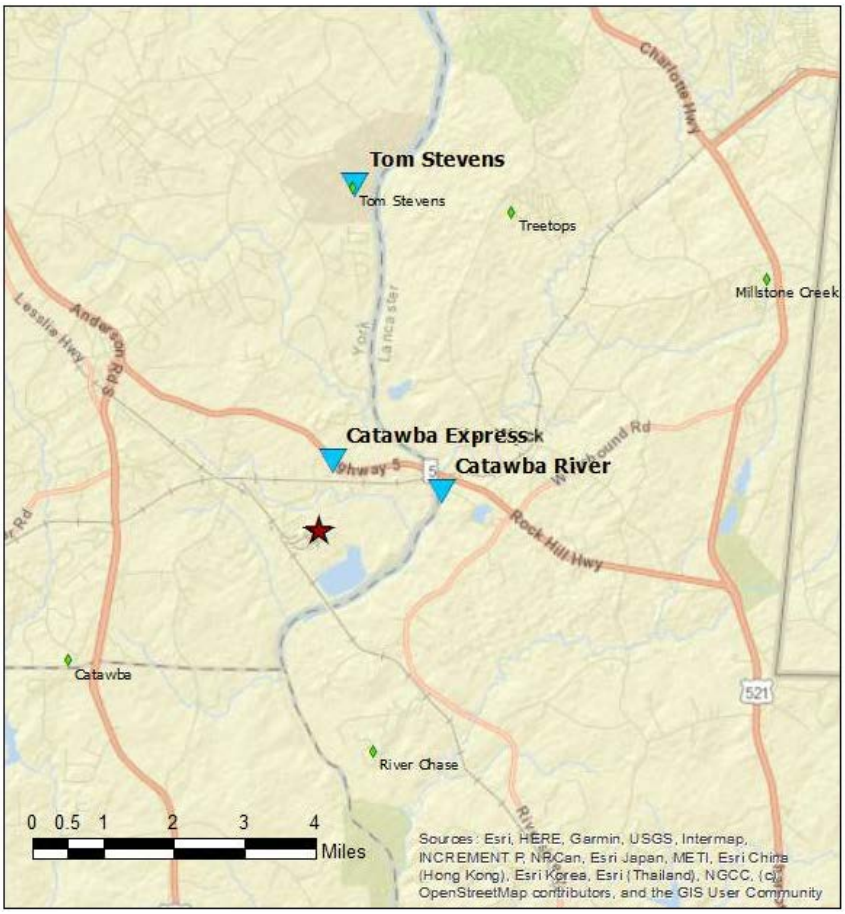
Catawba Express

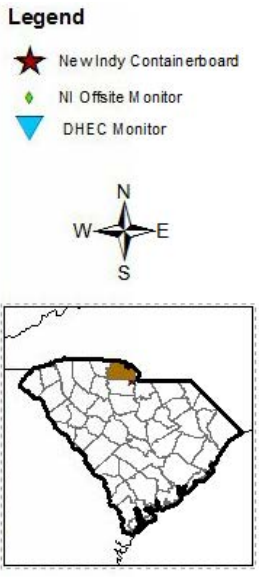
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26489	4481	0 - 2 ppb	0.27 ppb	70 ppb

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_2S	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



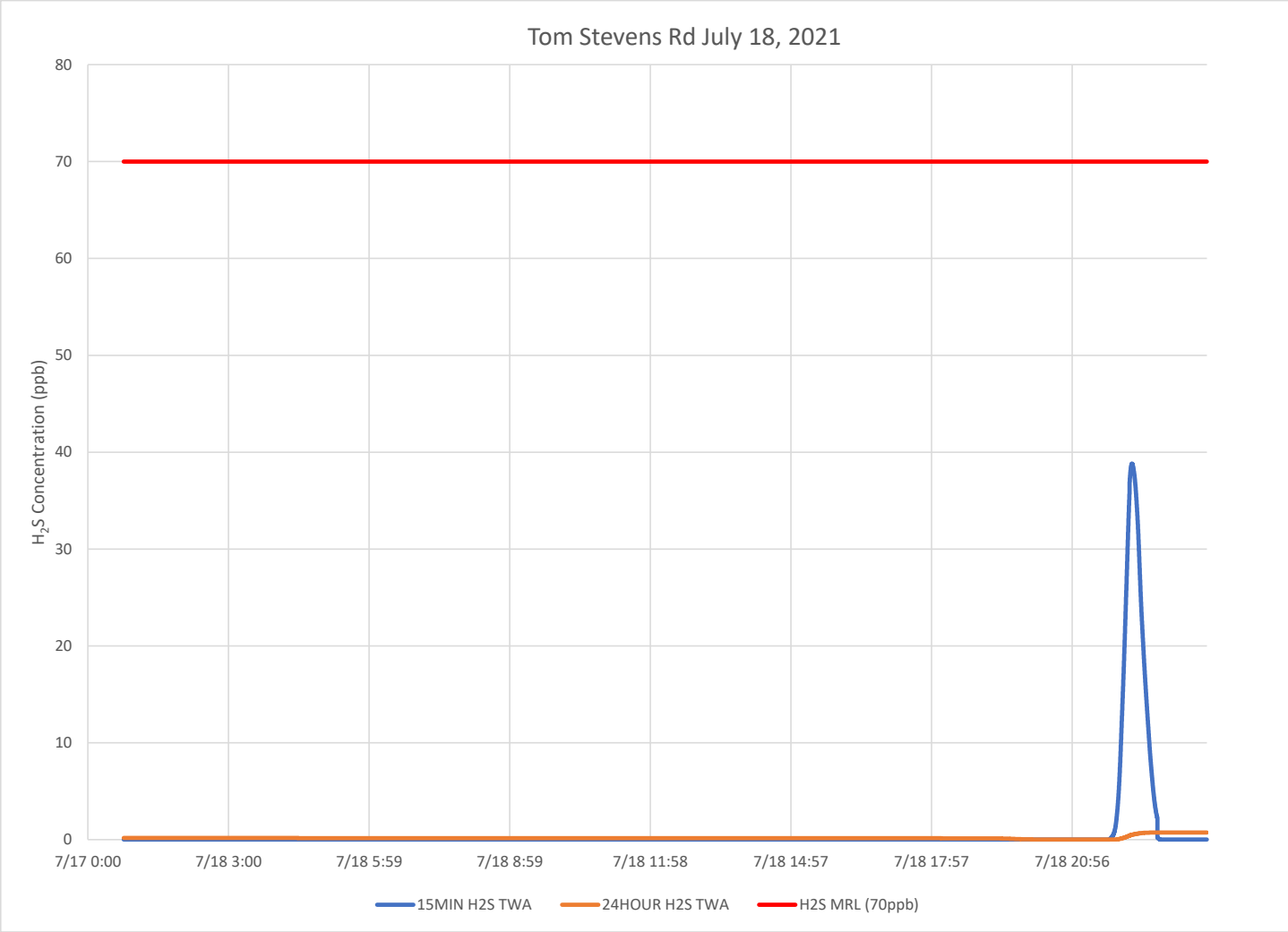


H_2S in South Carolina

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

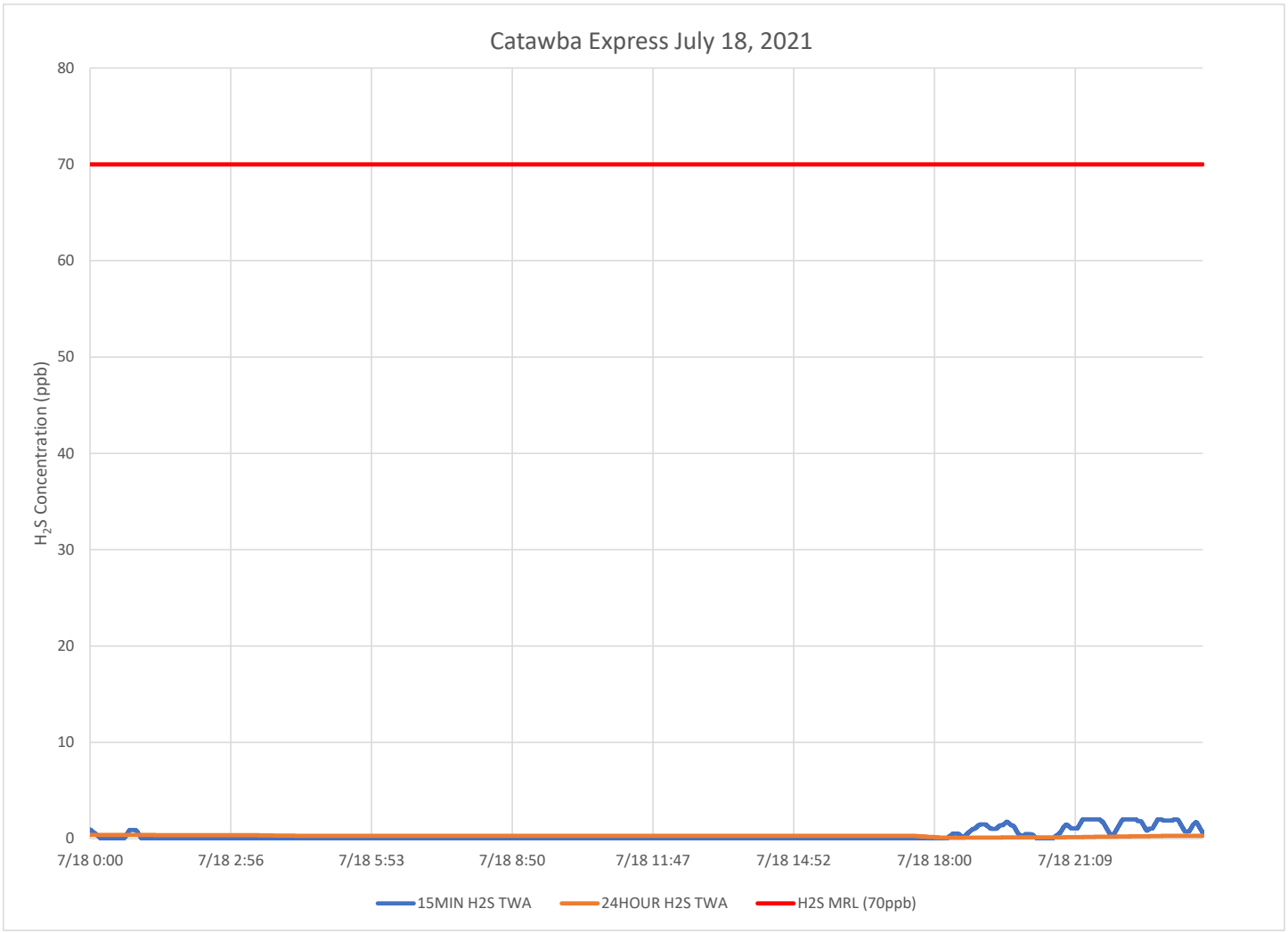
Predominant winds for this period were from the south west to south southwest.

The communications were interrupted ~45 minutes at the Tom Stevens Rd site. If data is recovered, an amended report will be posted.



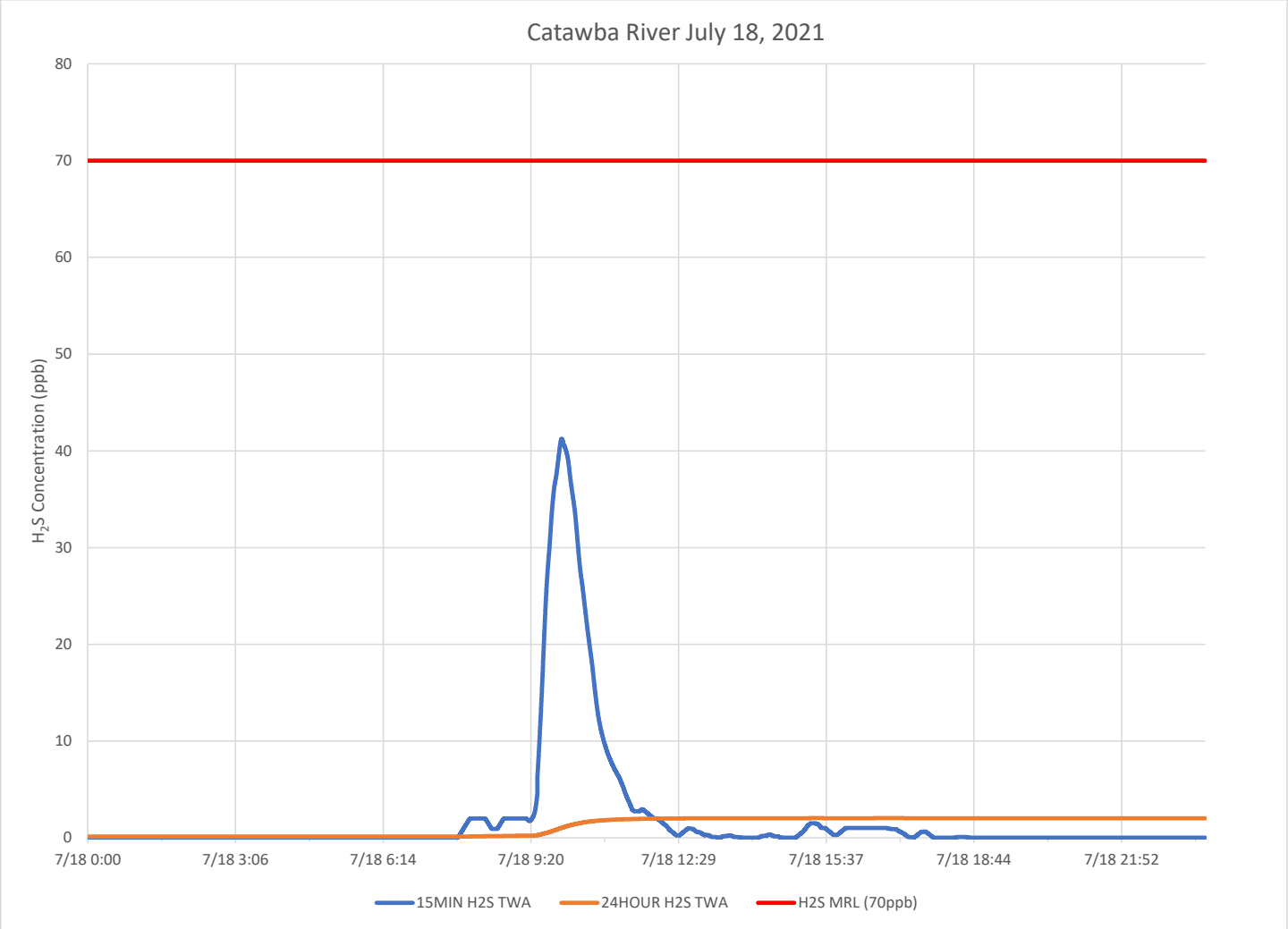
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/19/21 12:00 AM** ***To:*** **7/19/21 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	26778	7713	0 - 40 ppb	3.09 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	24806	3272	0 - 6 ppb	0.35 ppb	70 ppb

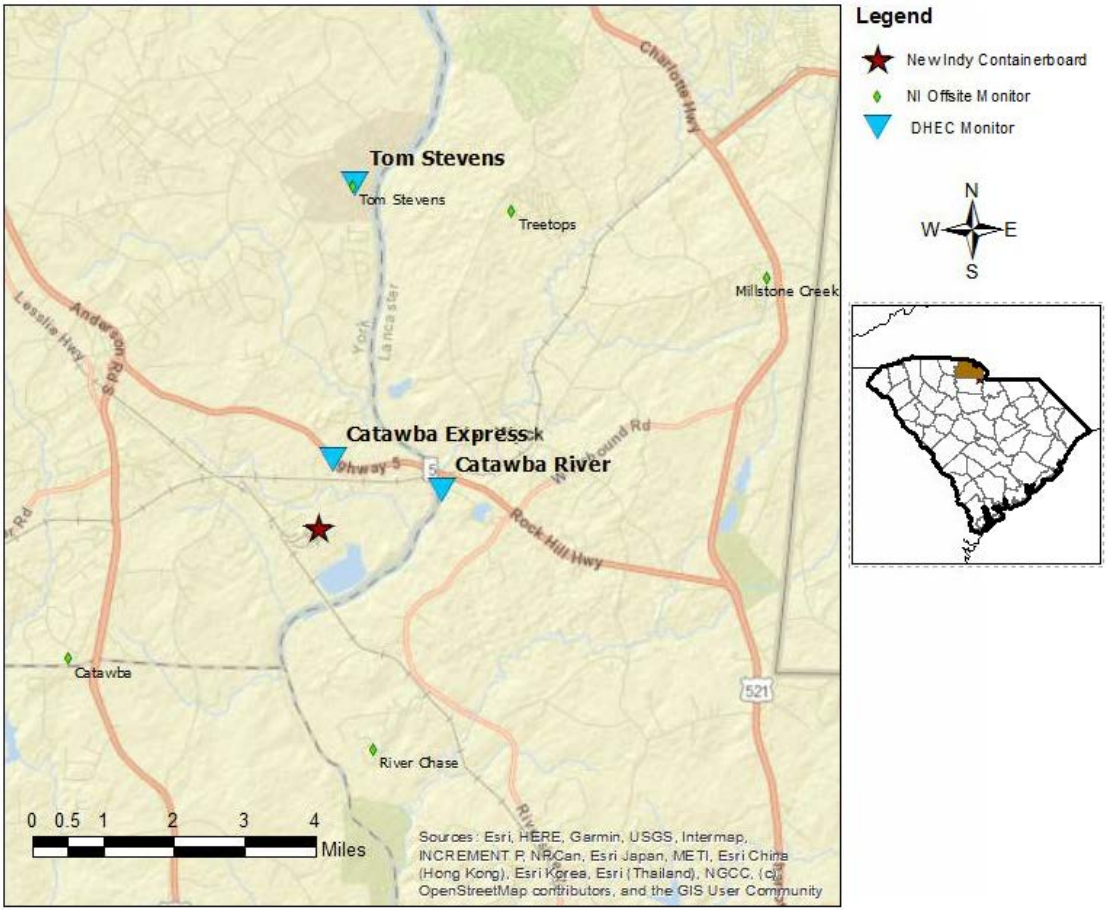
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25643	8998	0 - 36 ppb	1.57 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.

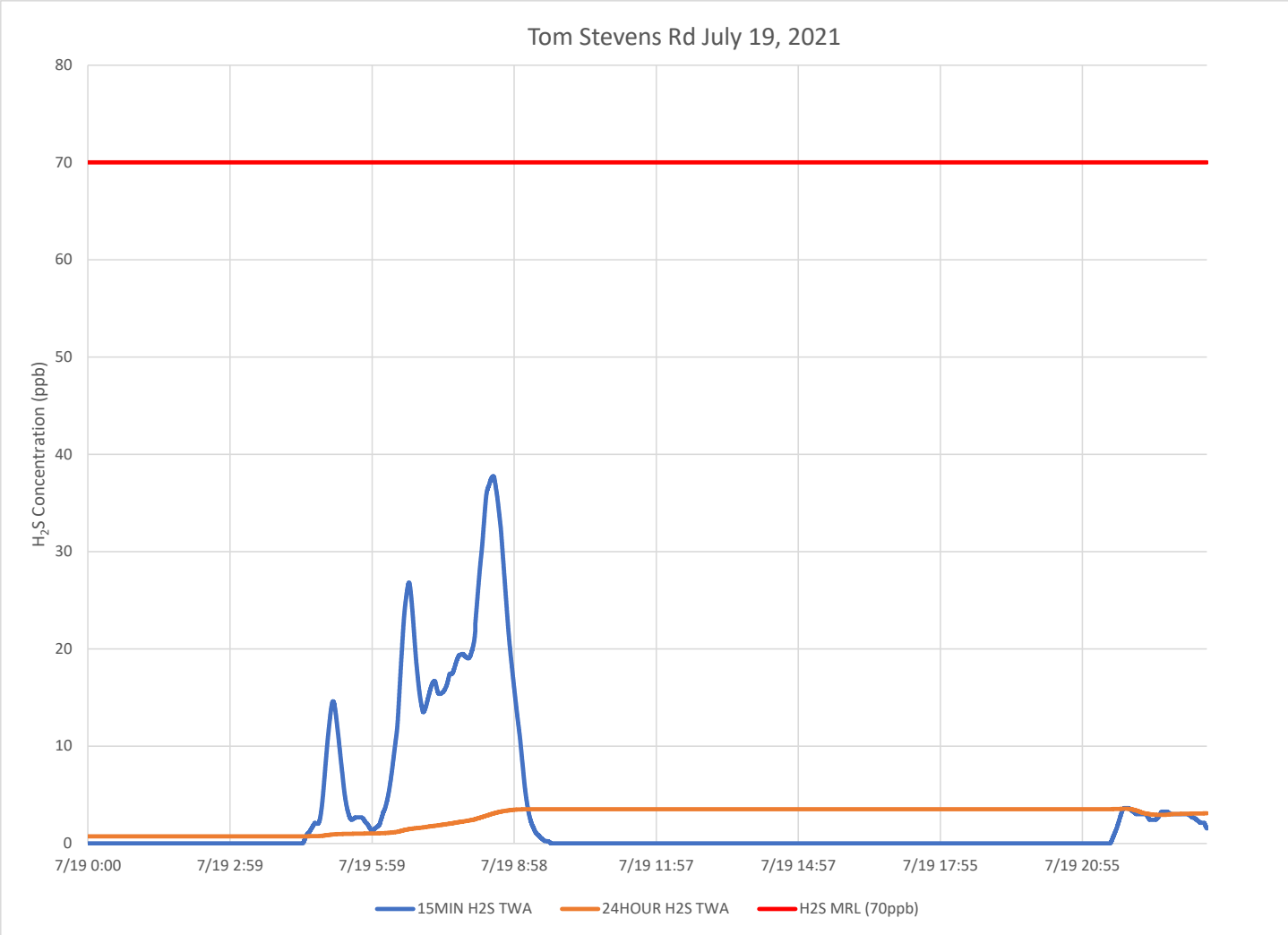
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

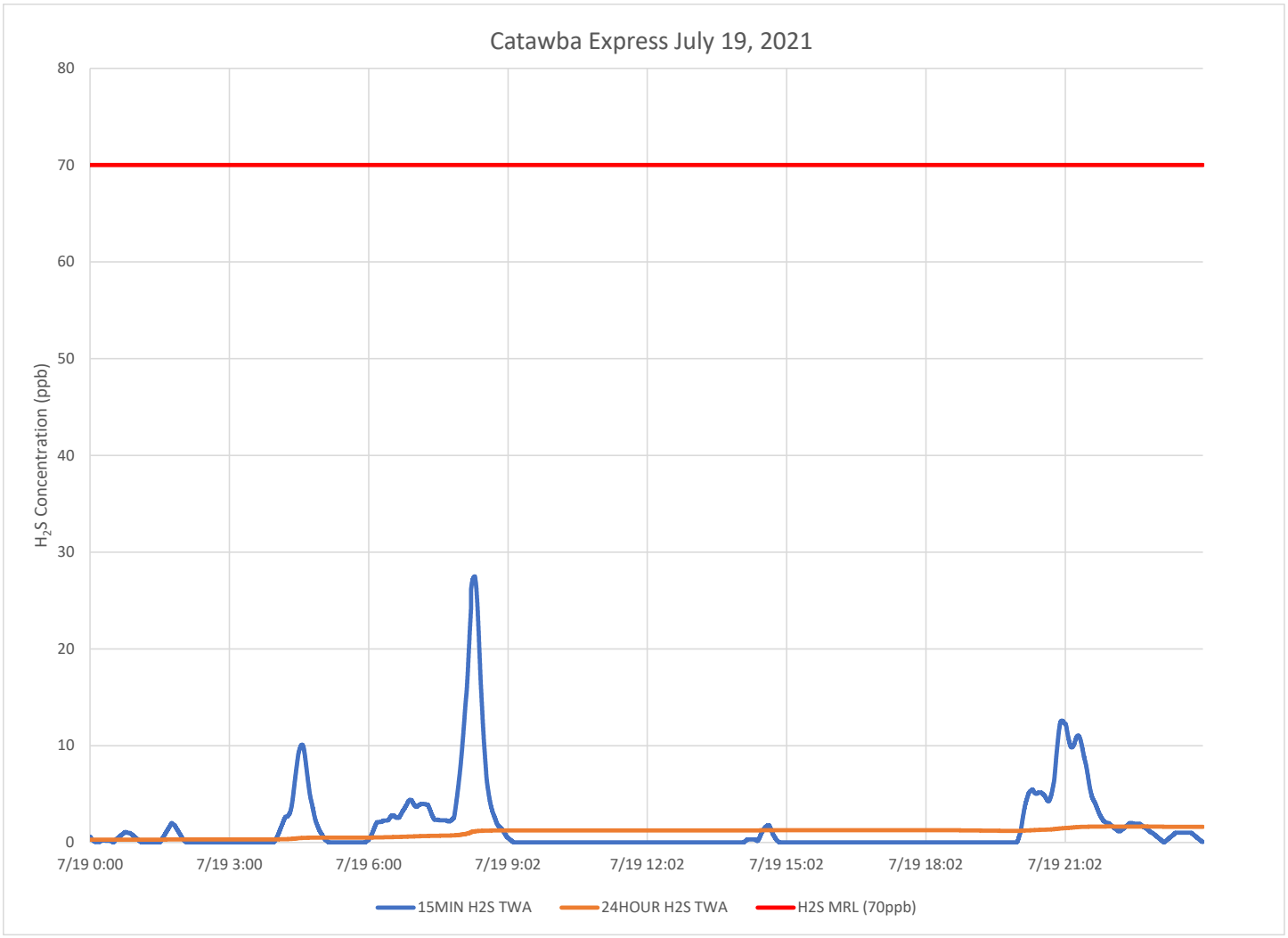
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the south southwest but there were variable winds with periods recorded having winds from the west southwest to north northwest and from the east..



Notes:

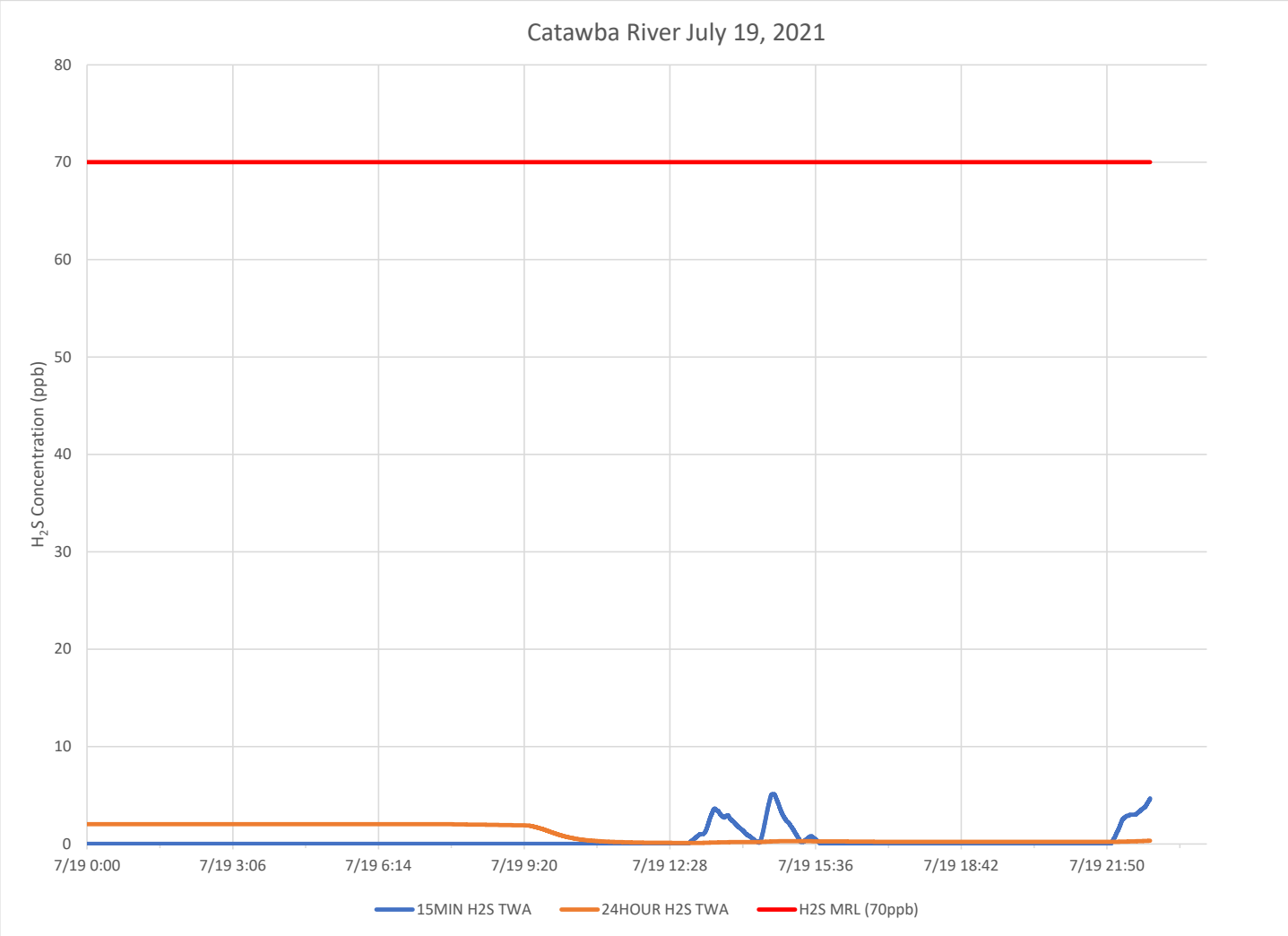
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

The communications were interrupted ~1 hour and 15 minutes at the Catawba River site about midnight. If data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/20/21 12:00 AM** ***To:*** **7/20/21 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	27002	5903	0 - 46 ppb	2.72 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	24693	2451	0 - 3 ppb	0.17 ppb	70 ppb

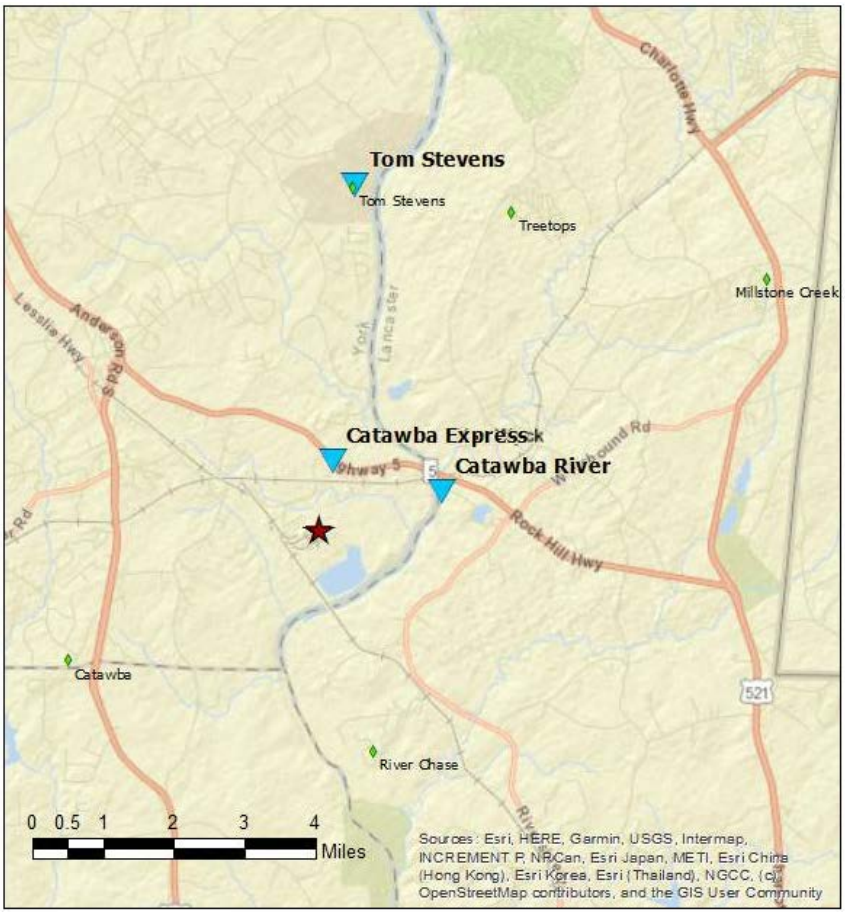
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	Yes	25698	13033	0 - 195 ppb	10.24 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.

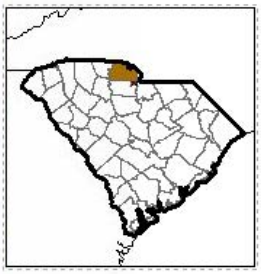
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

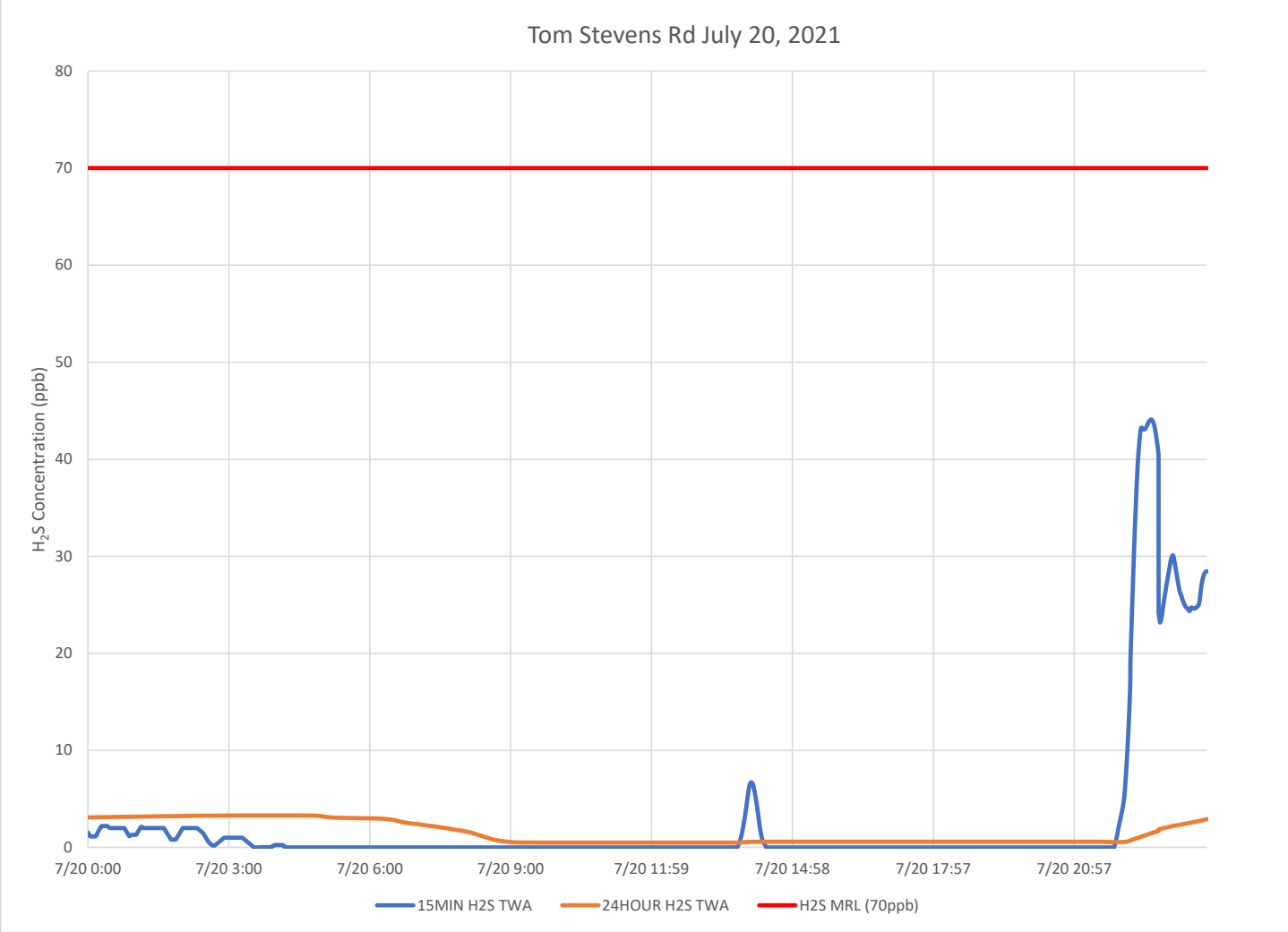
N
W E
S



H_2S in South Carolina

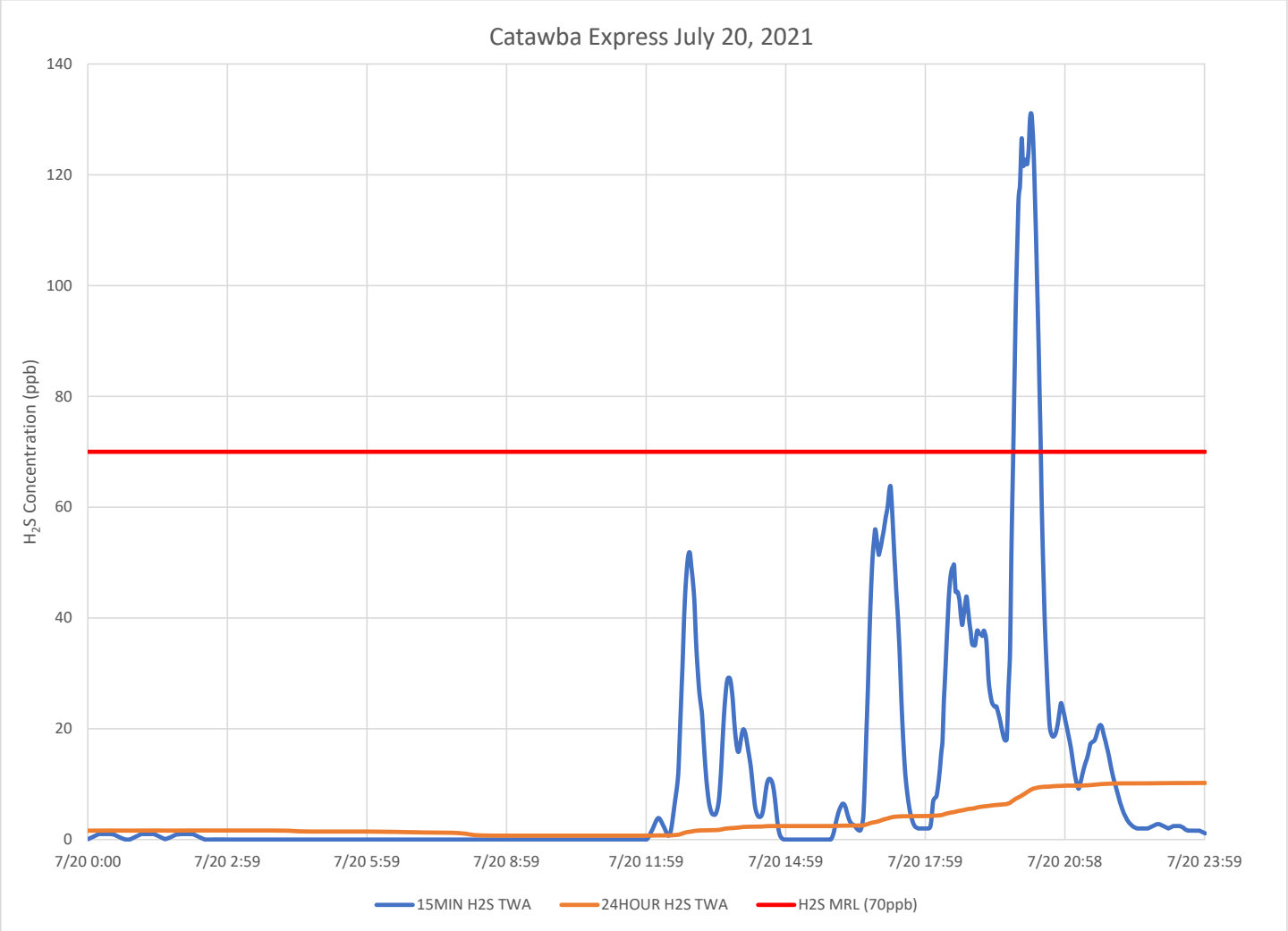
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the East but there were periods with light winds from the south west to west northwest.



Notes:

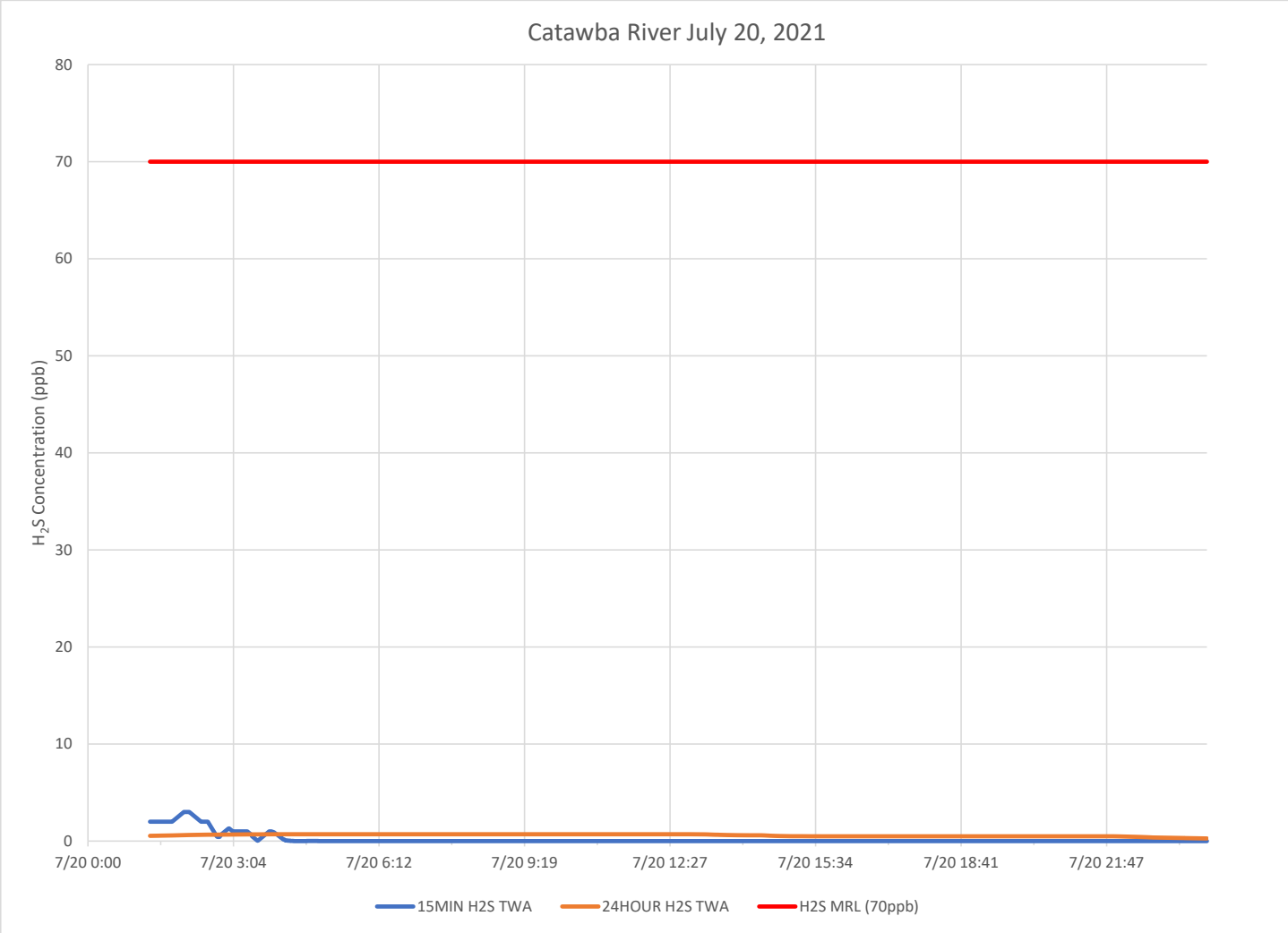
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

The communications were interrupted 3 hours at the Catawba River site starting about 10:45PM on 7/19/21. If data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/21/21 12:00 AM** ***To:*** **7/21/21 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	26982	5709	0 - 29 ppb	1.23 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	25791	20606	0 - 41 ppb	8.18 ppb	70 ppb

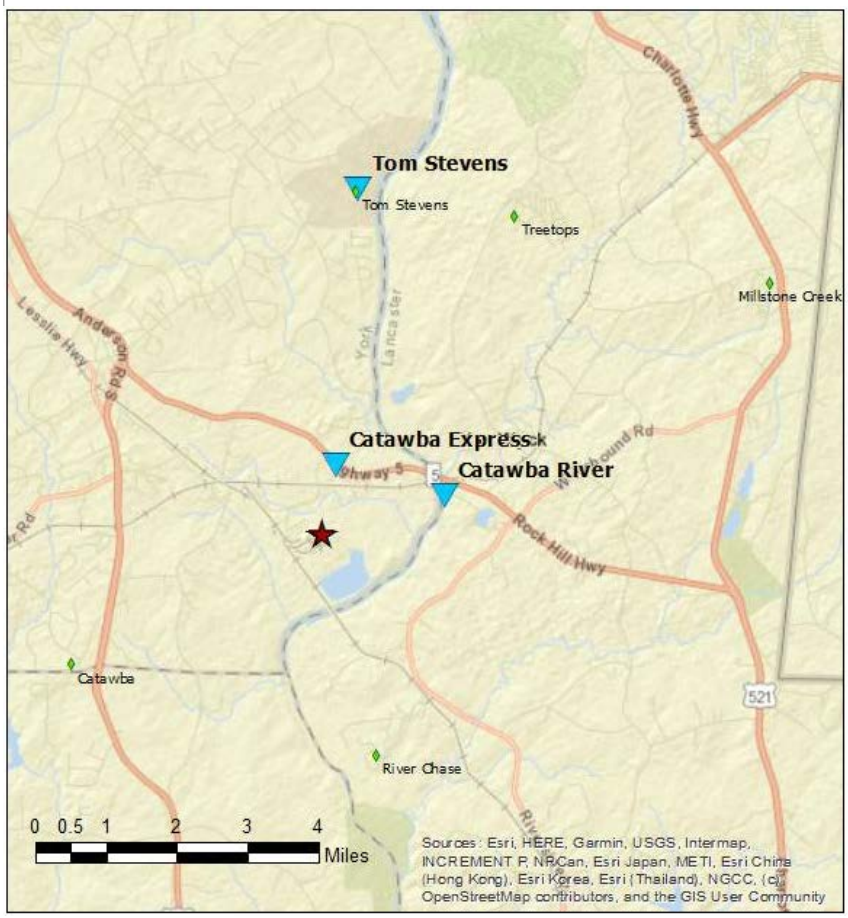
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25697	3494	0 - 3 ppb	0.17 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.

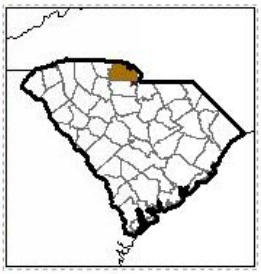
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



Legend

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

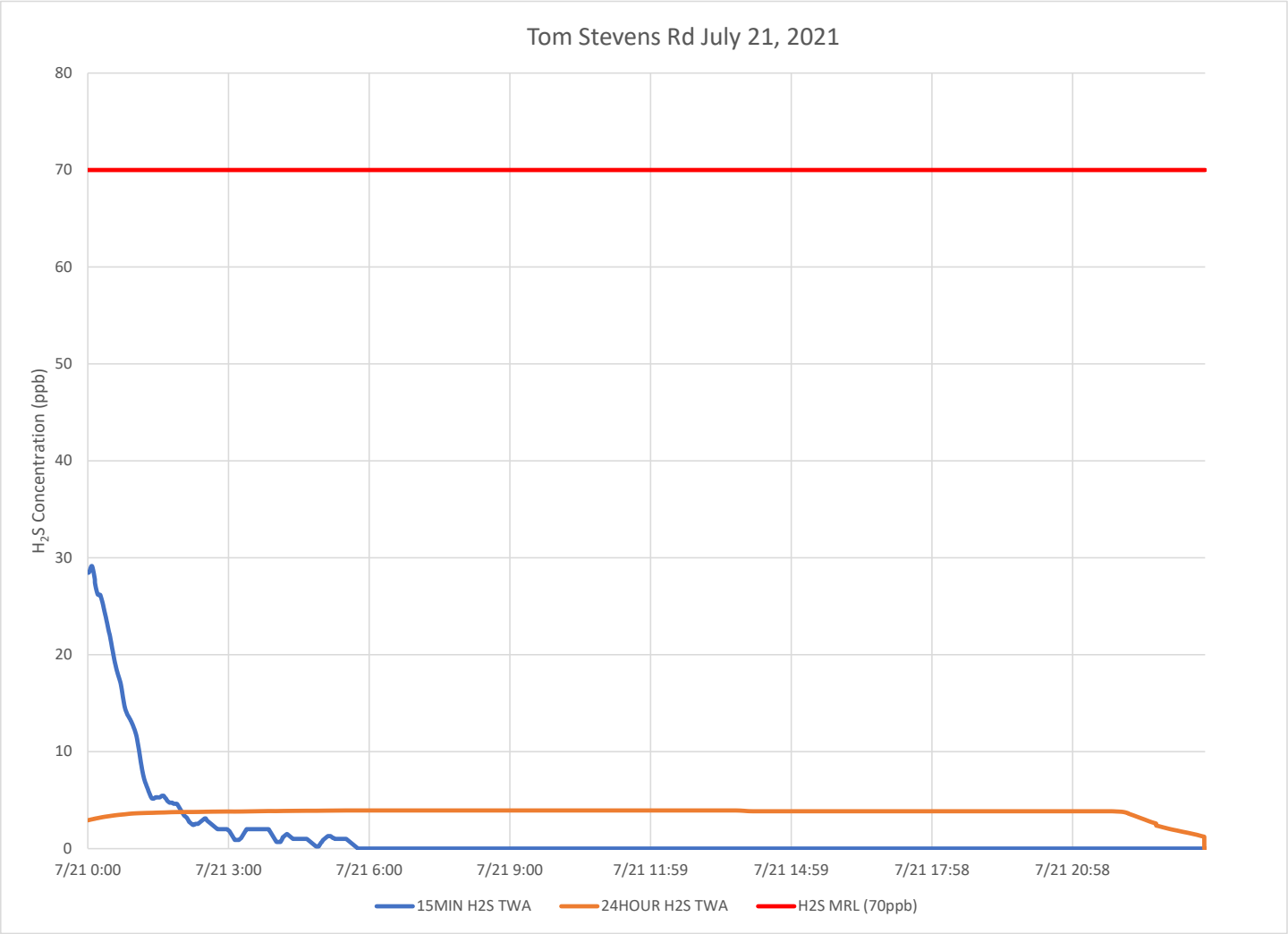
N
W E
S



H_2S in South Carolina

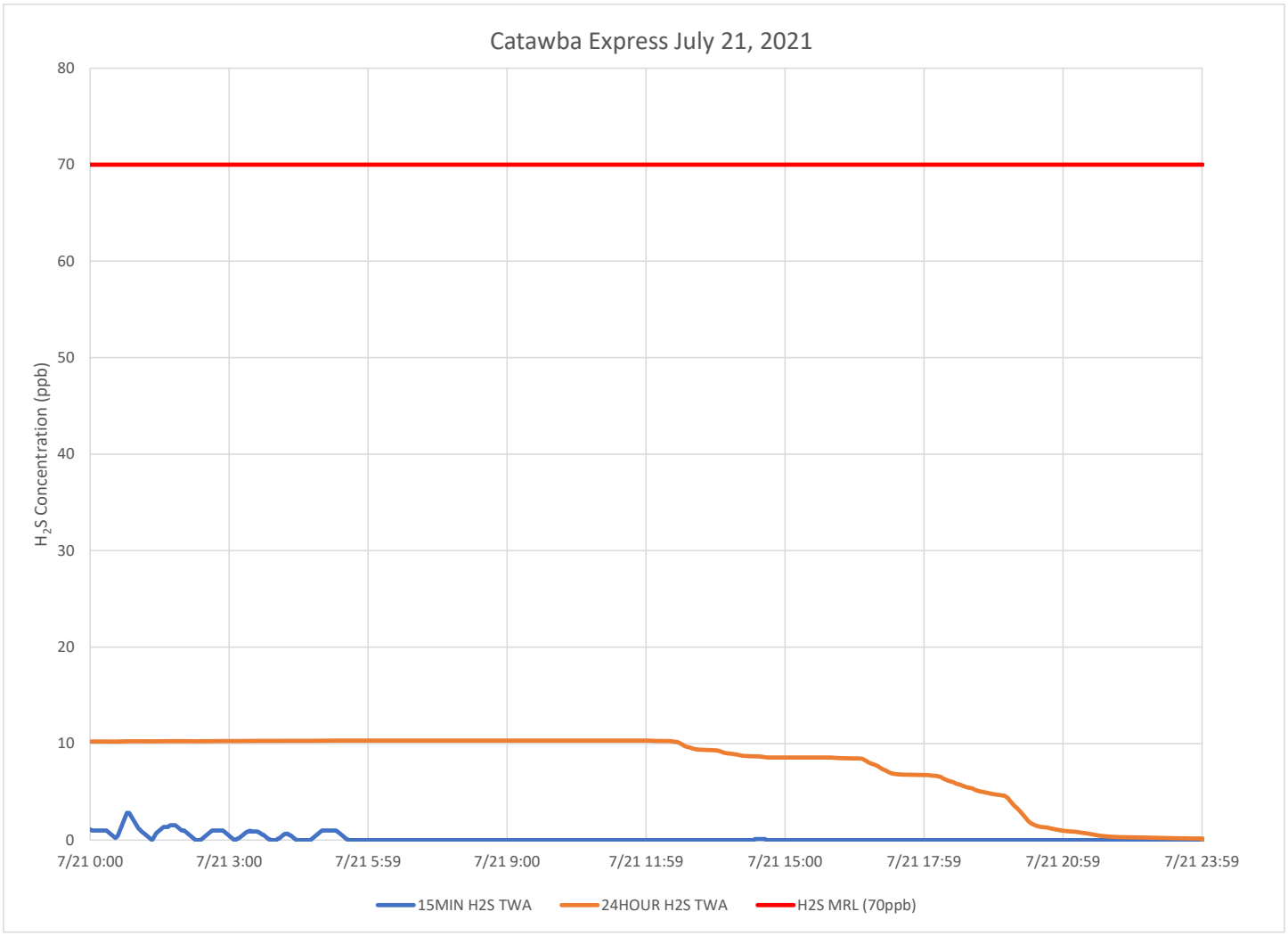
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the southwest to west northwest.



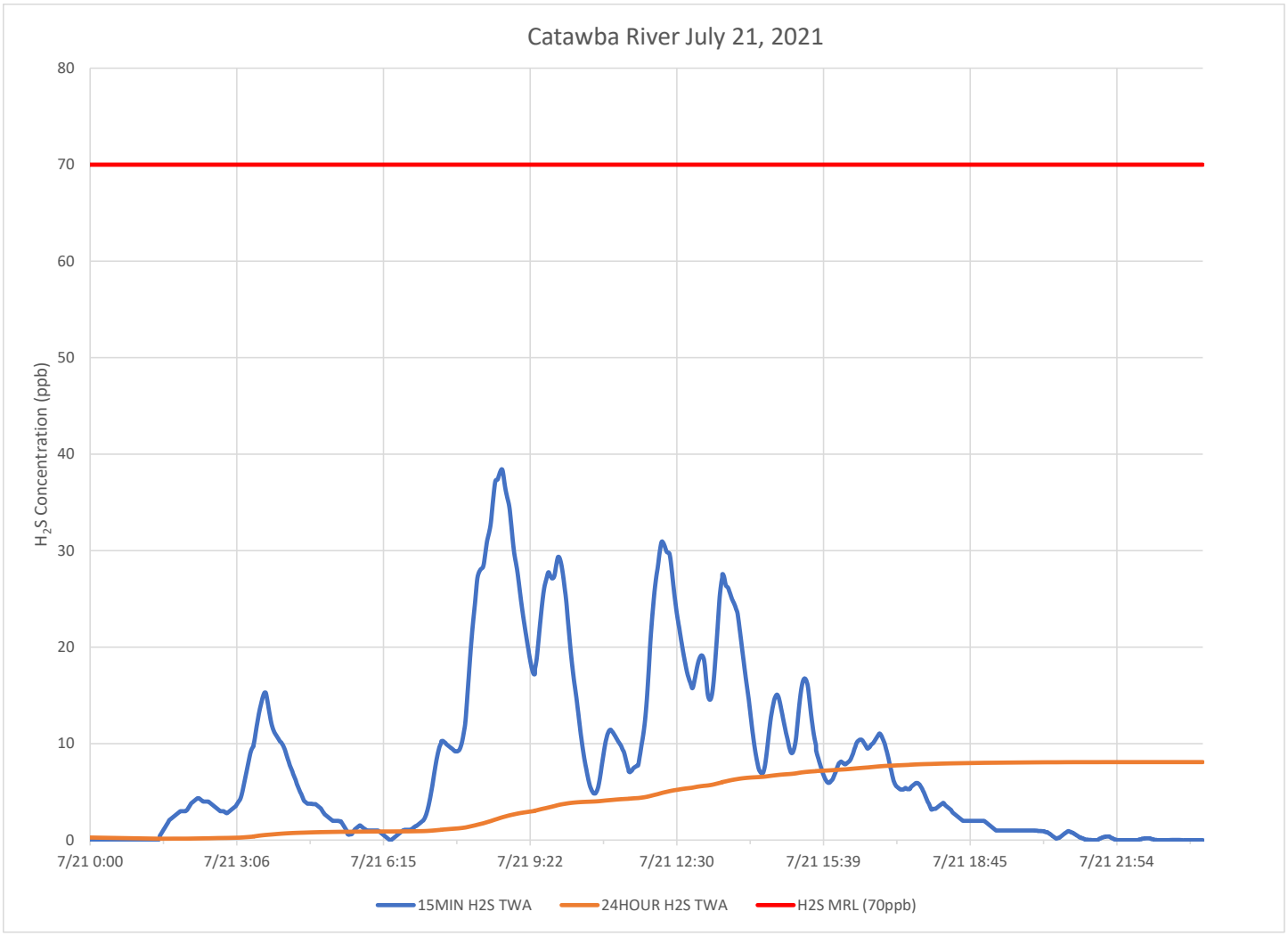
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/22/21 12:00 AM** ***To:*** **7/22/21 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	26922	5921	0 - 7 ppb	0.68 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	24720	8704	0 - 3 ppb	0.49 ppb	70 ppb

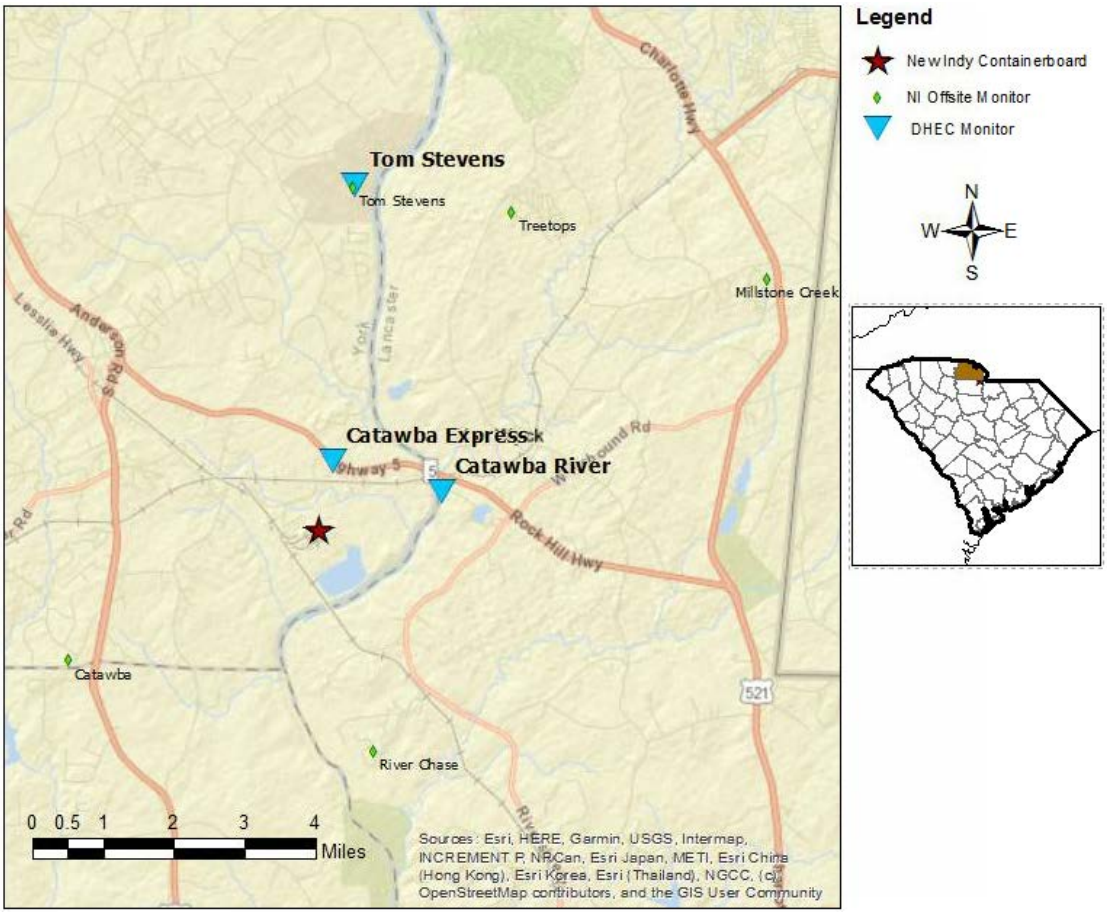
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25773	7660	0 - 295 ppb	12.91 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.

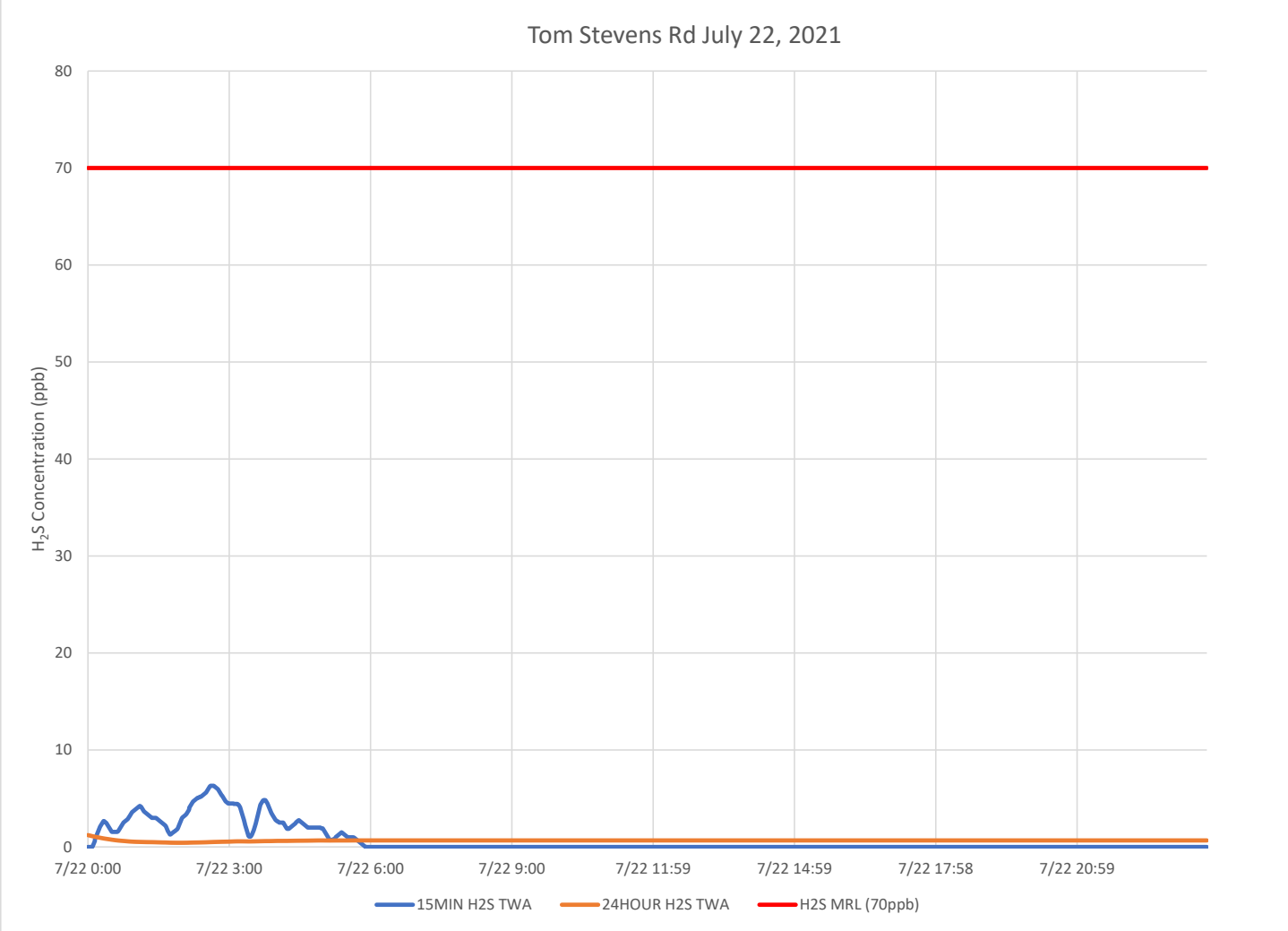
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

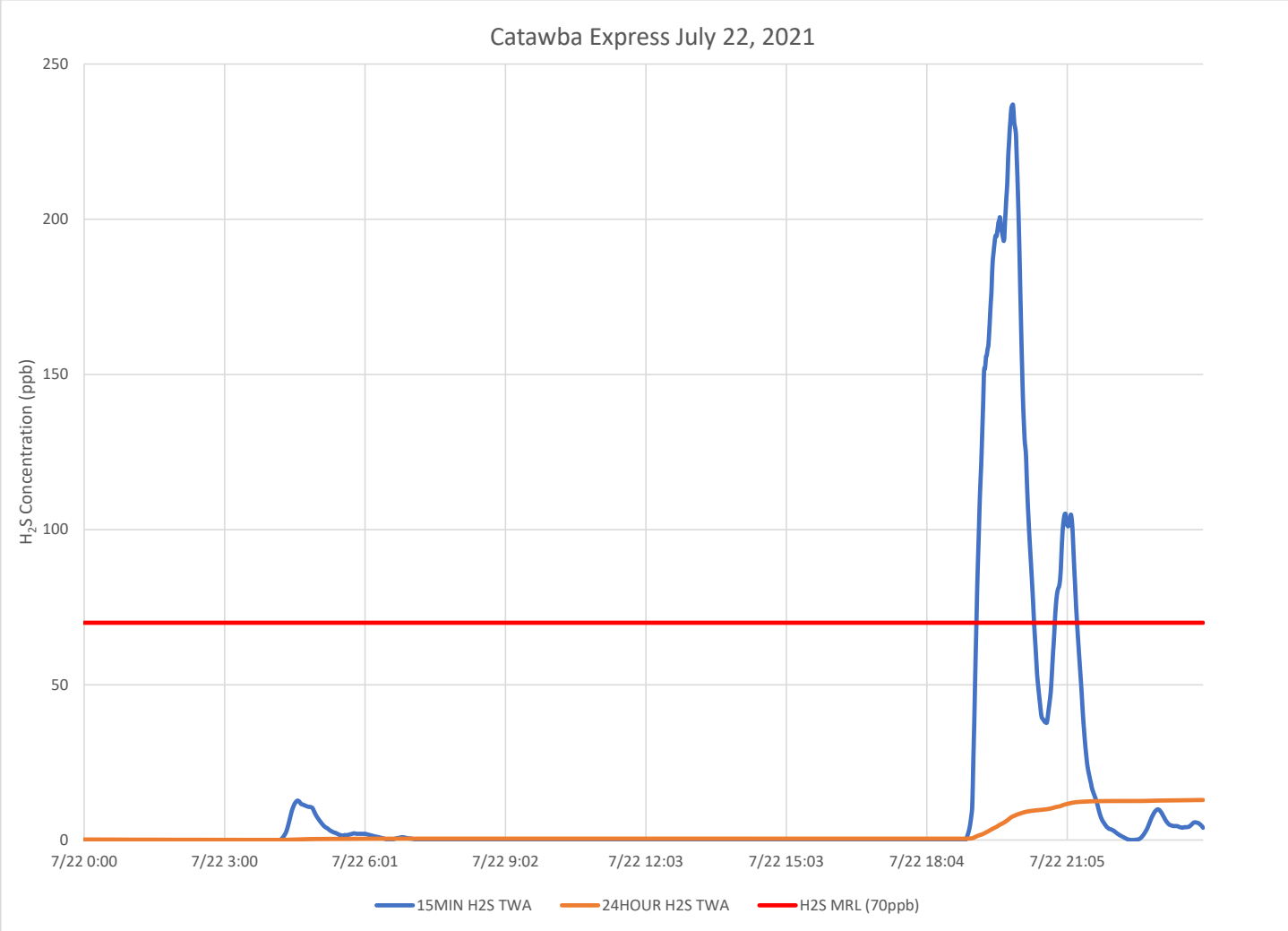
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Predominant winds for this period were from the north northeast with a significant period from the south west. to west northwest.



Notes:

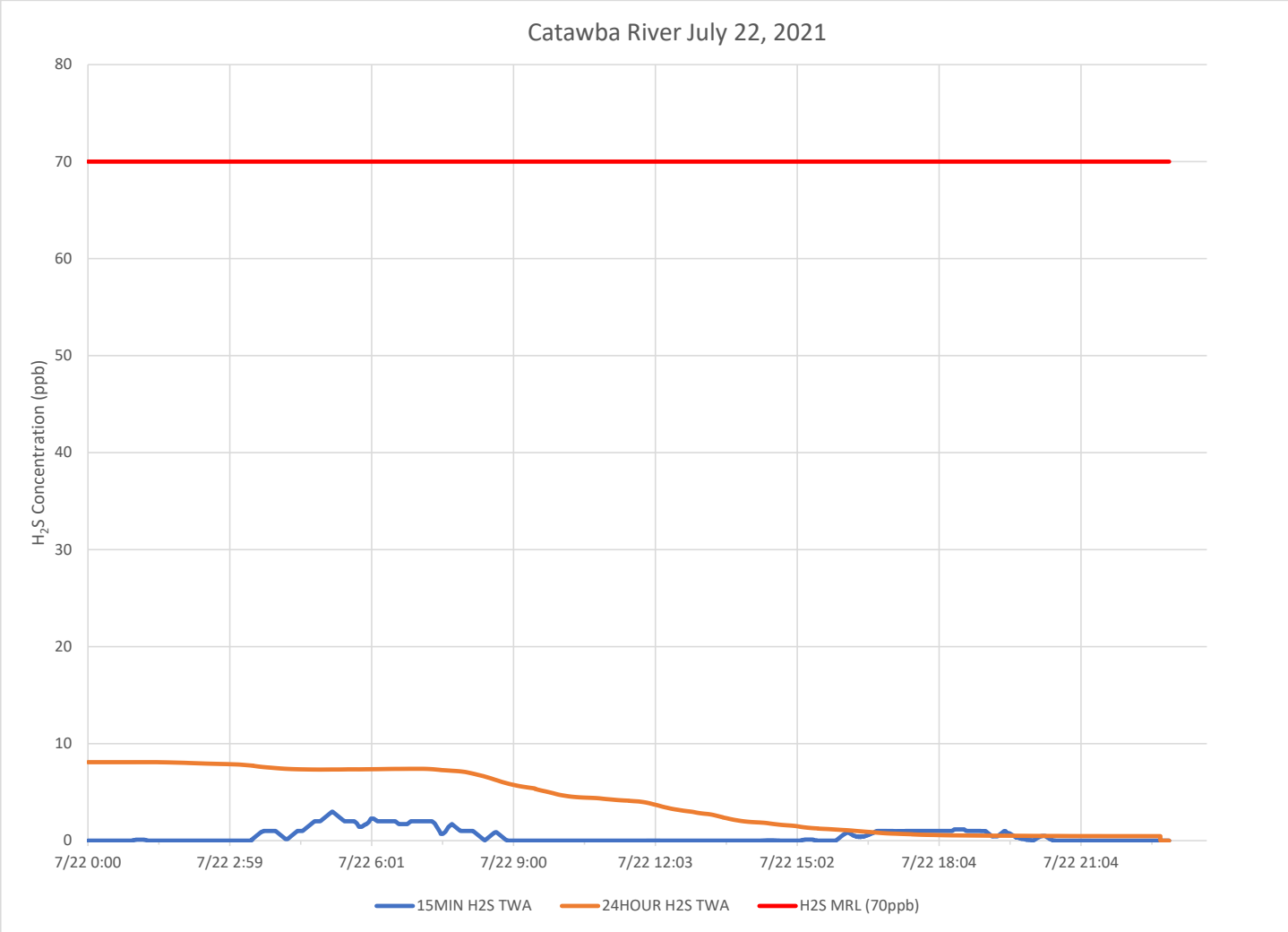
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

Communications with the Catawba River site was interrupted about 10:45 pm. If unreported data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/23/21 12:00 AM** ***To:*** **7/23/21 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	26313	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	24055	2791	0 - 1 ppb	0.12 ppb	70 ppb

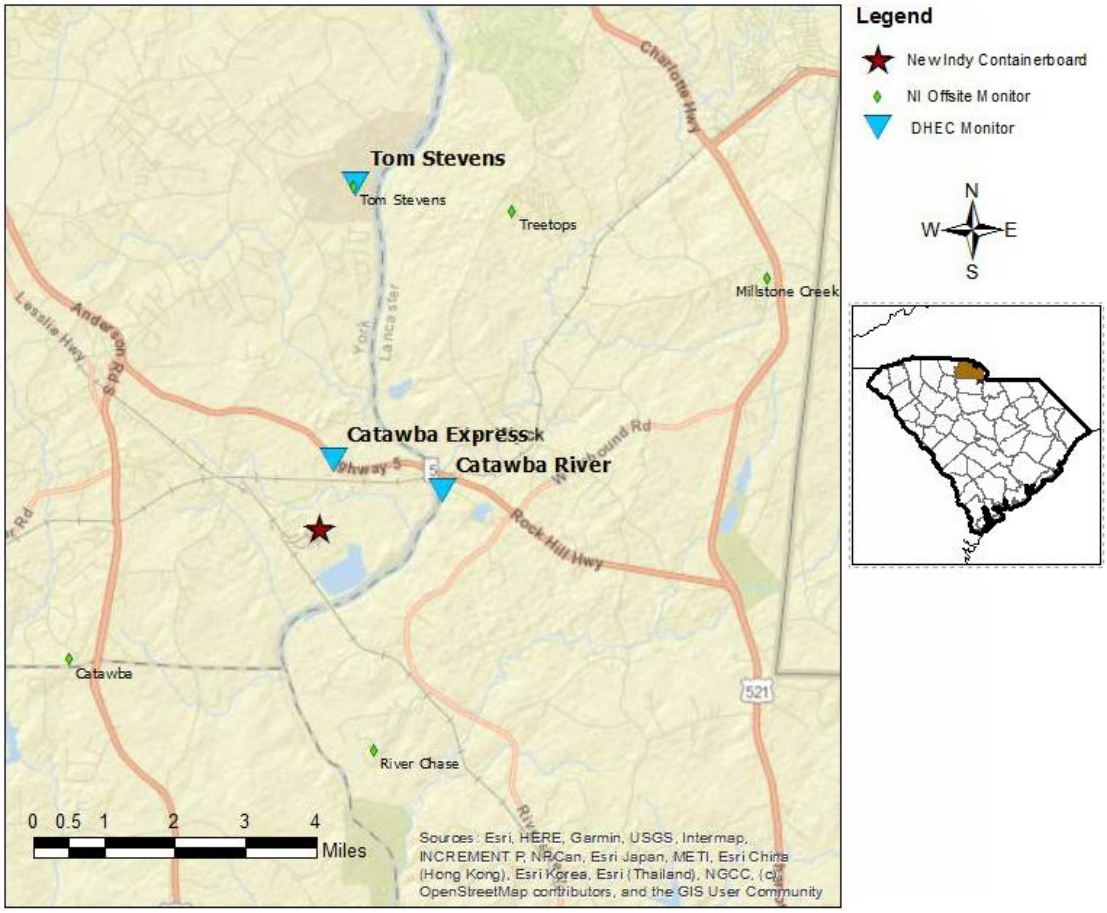
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25847	8863	0 - 224 ppb	10.09 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.

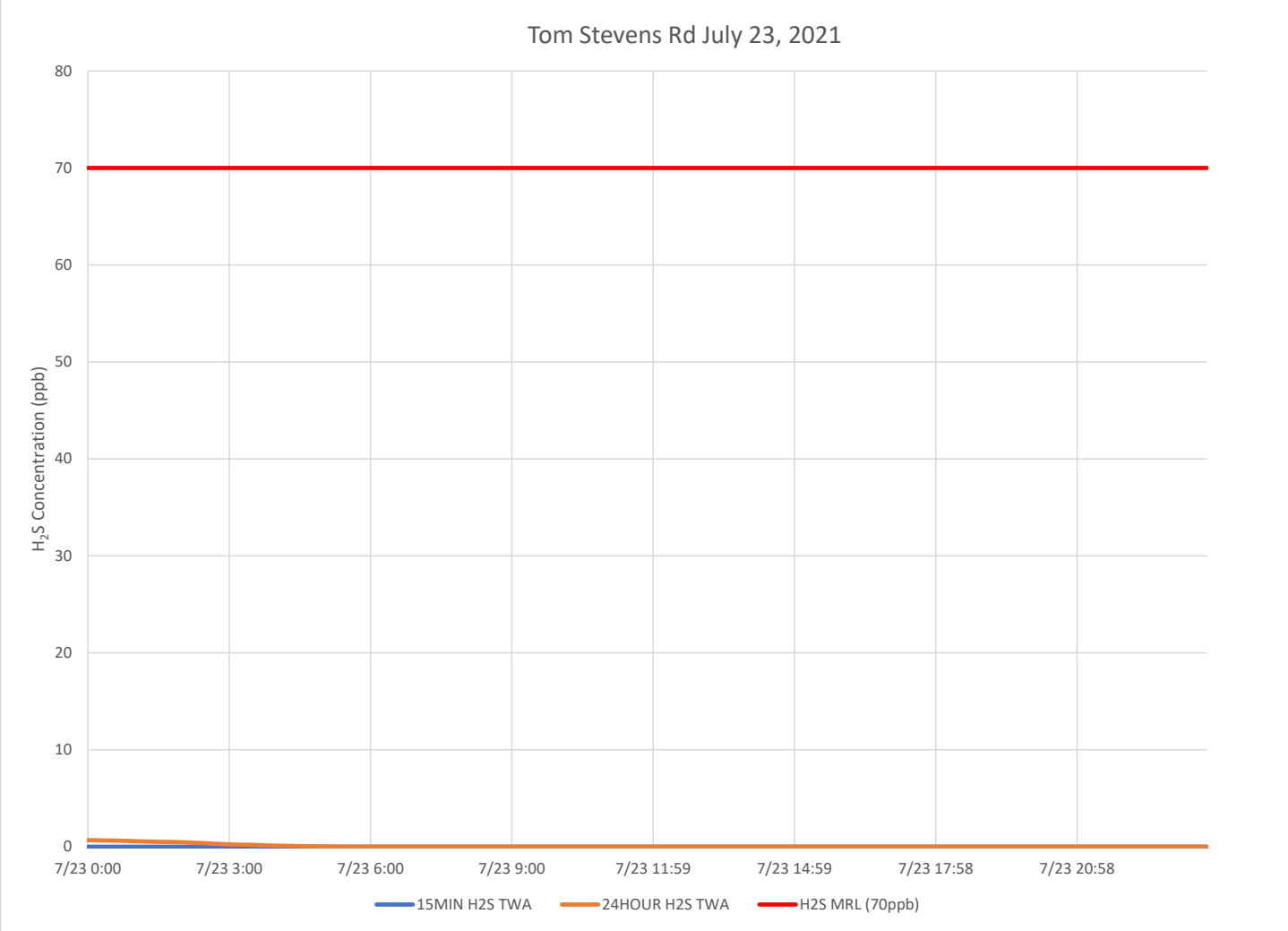
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

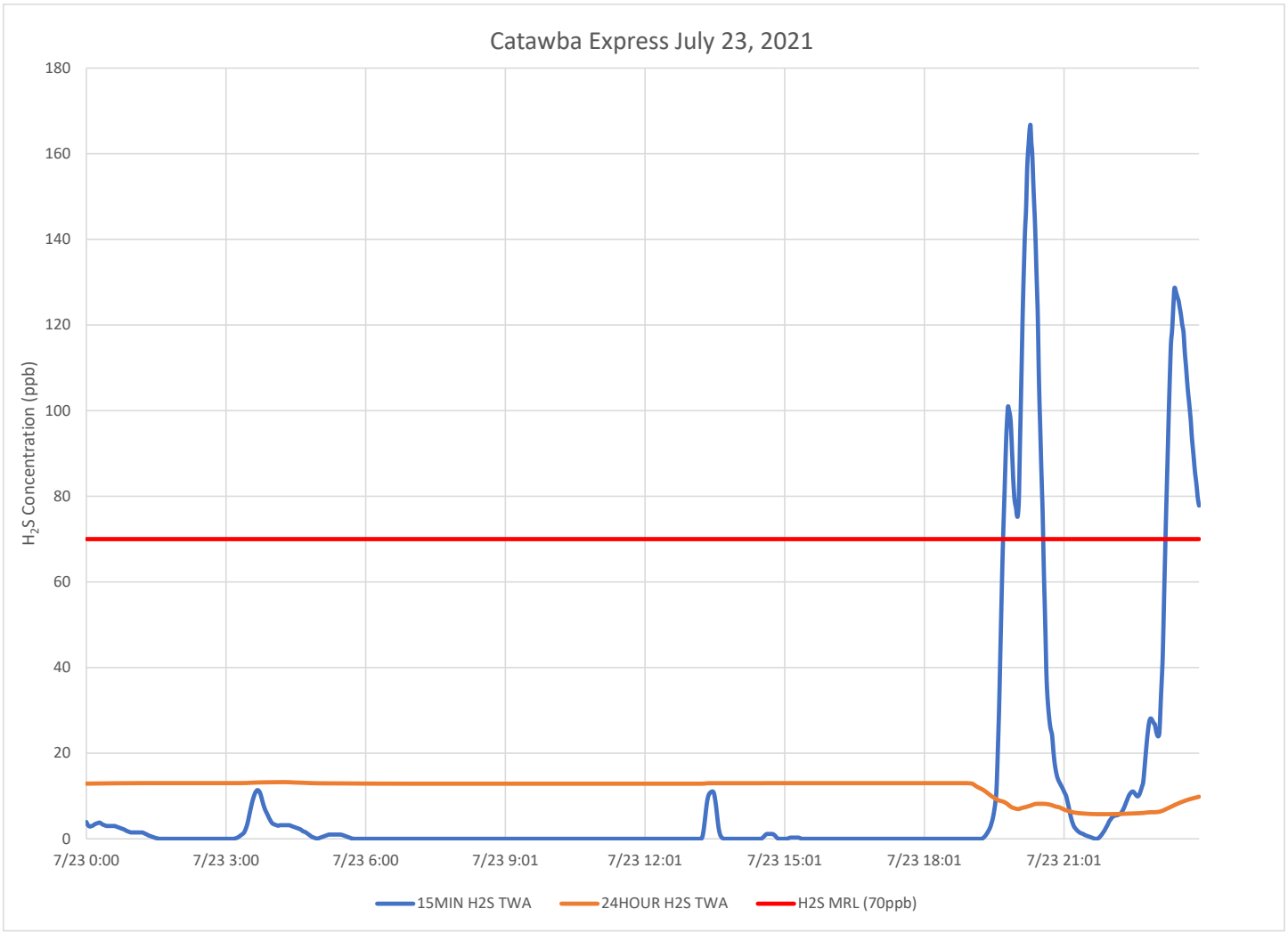
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds were variable during this period mainly from the southeast , but with periods during which there were winds from the north to northeast.



Notes:

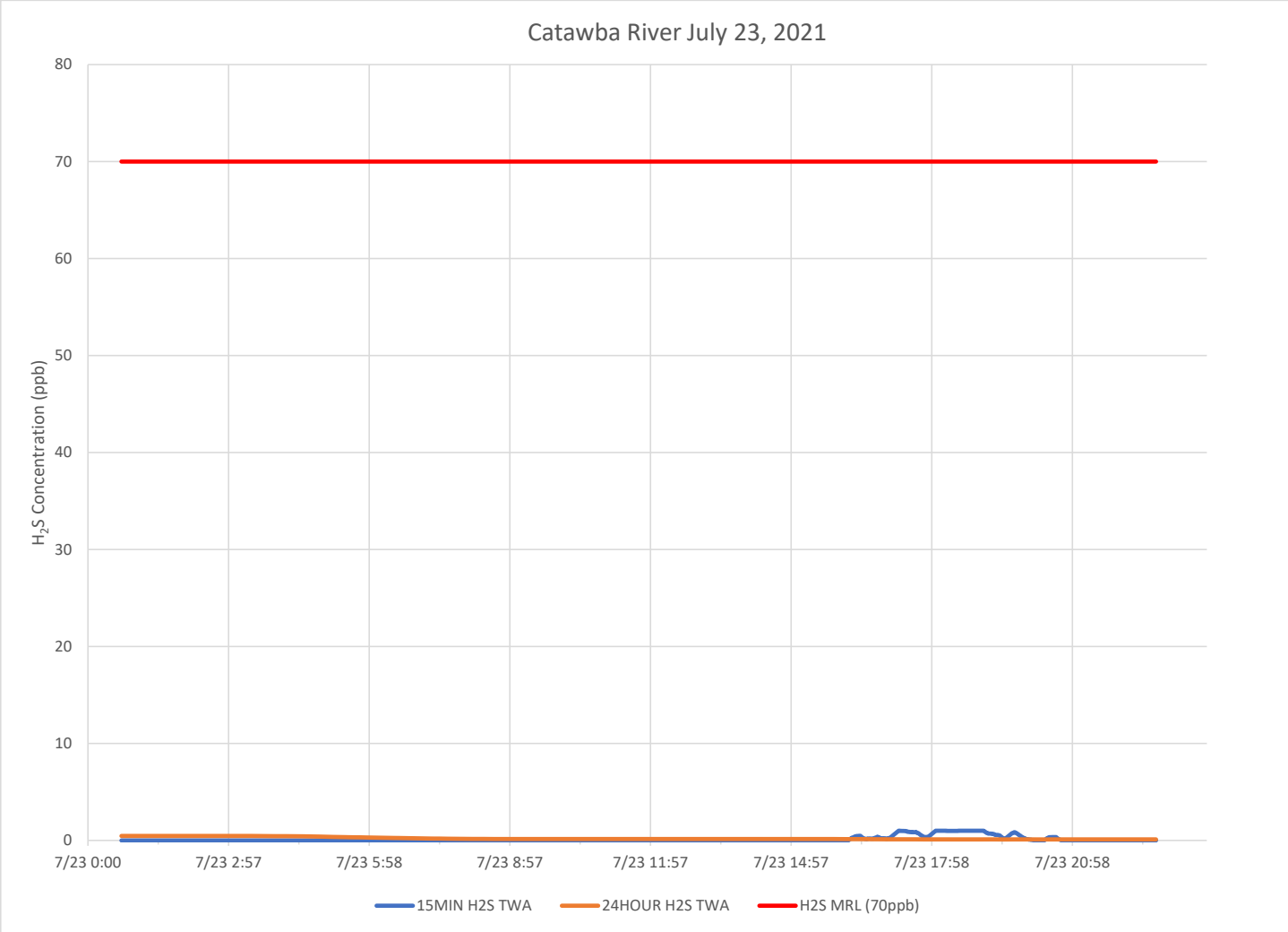
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

Communications with the Catawba River site was interrupted around midnight. If unreported data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/24/21 12:00 AM** ***To:*** **7/24/21 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	27112	11459	0 - 64 ppb	5.98 ppb	70 ppb

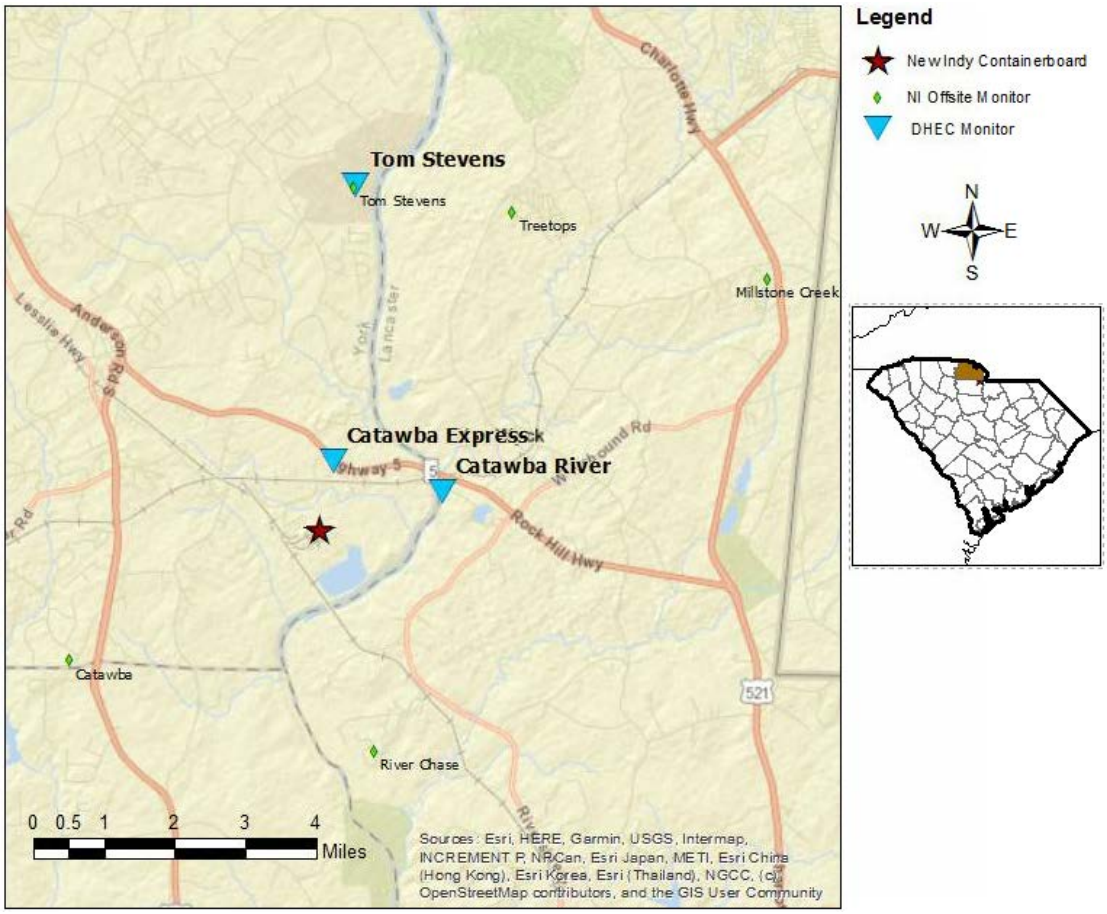
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	24280	711	0 - 1 ppb	0.03 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25851	14753	0 - 274 ppb	11.78 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.

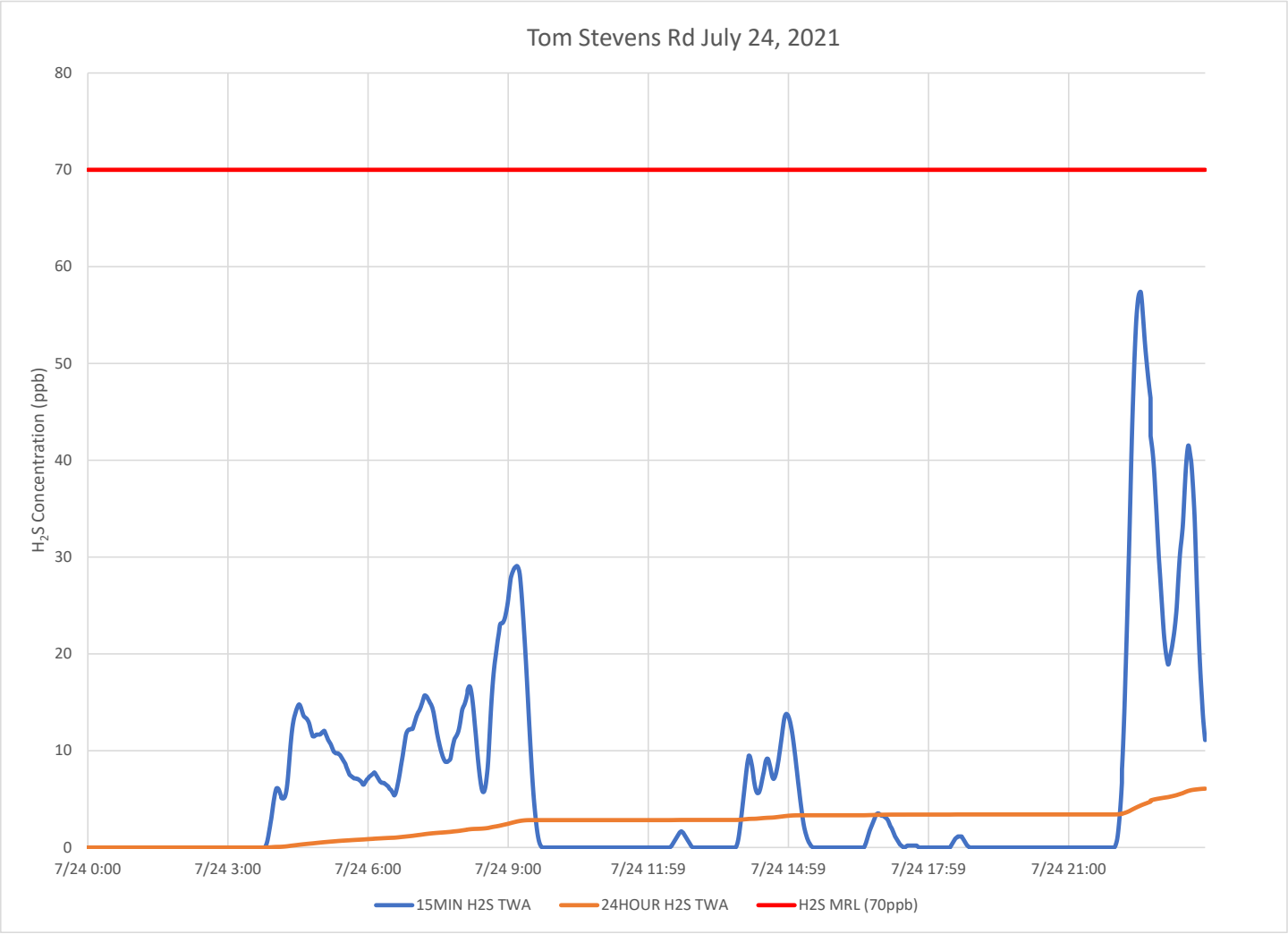
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

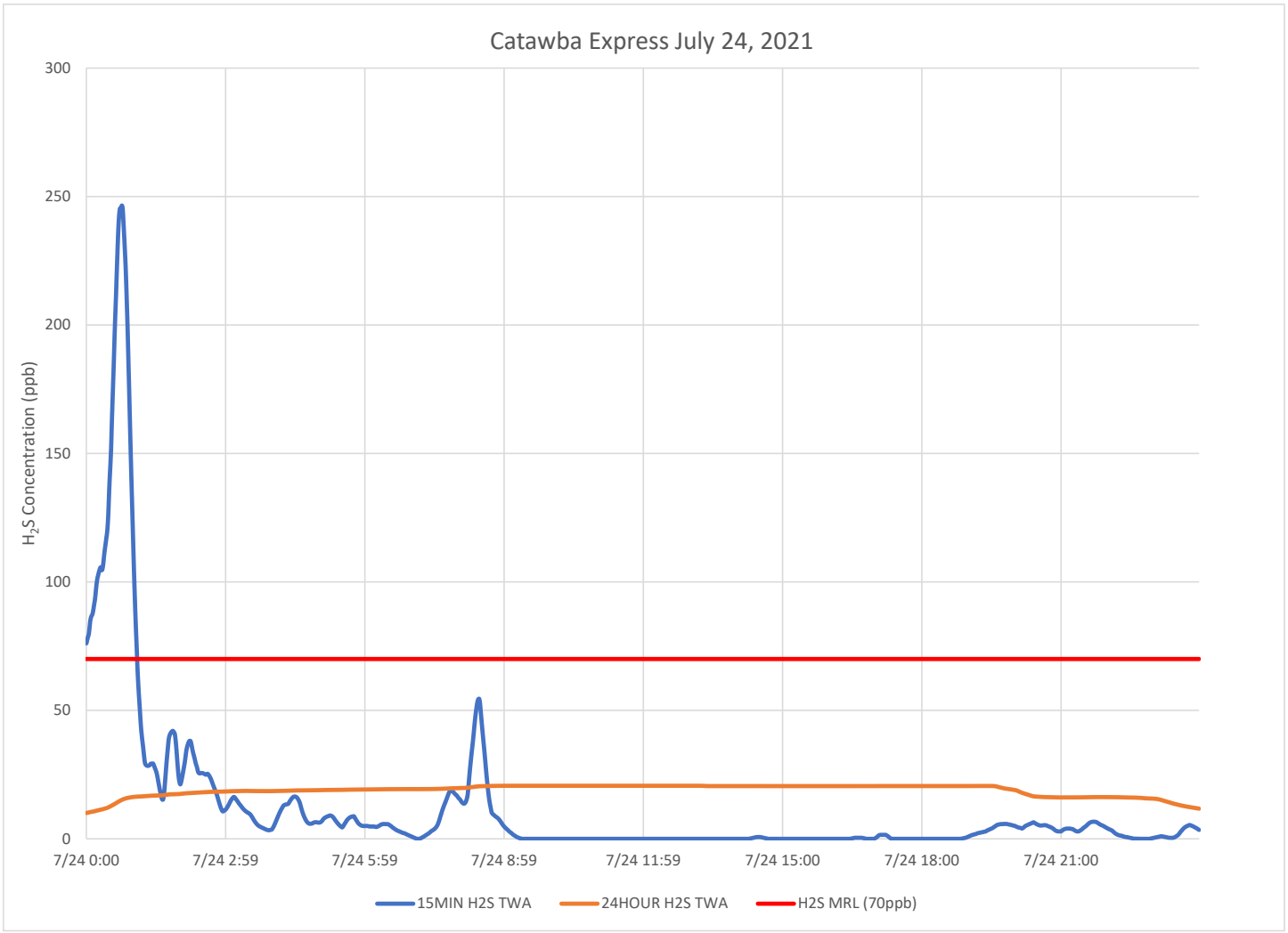
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds during this period were mainly from the south southwest to south.



Notes:

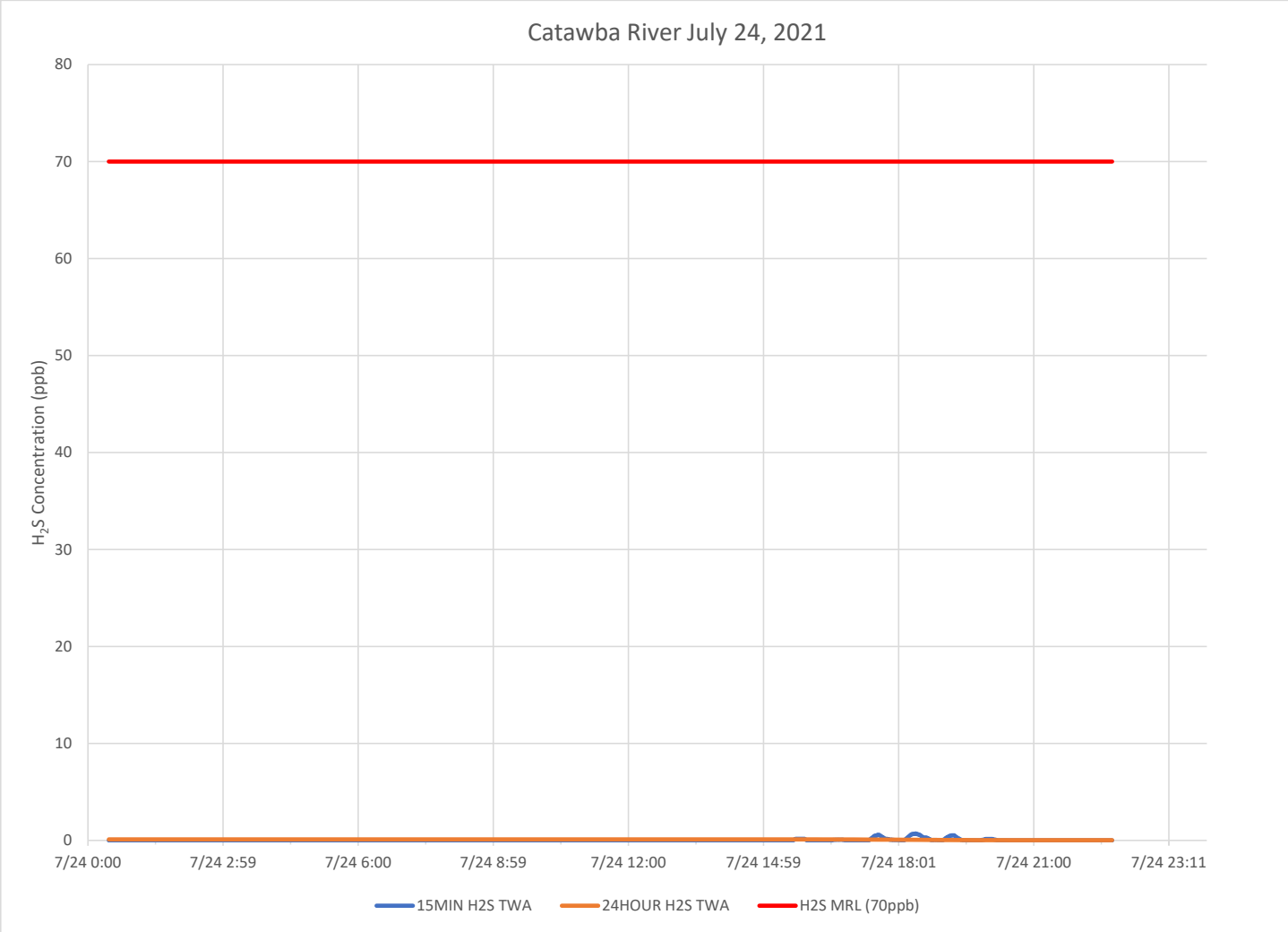
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

Communications with the Catawba River site was interrupted around midnight. If unreported data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/25/21 12:00 AM** ***To:*** **7/25/21 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	24912	11563	0 - 56 ppb	6.19 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	24450	4244	0 - 2 ppb	0.2 ppb	70 ppb

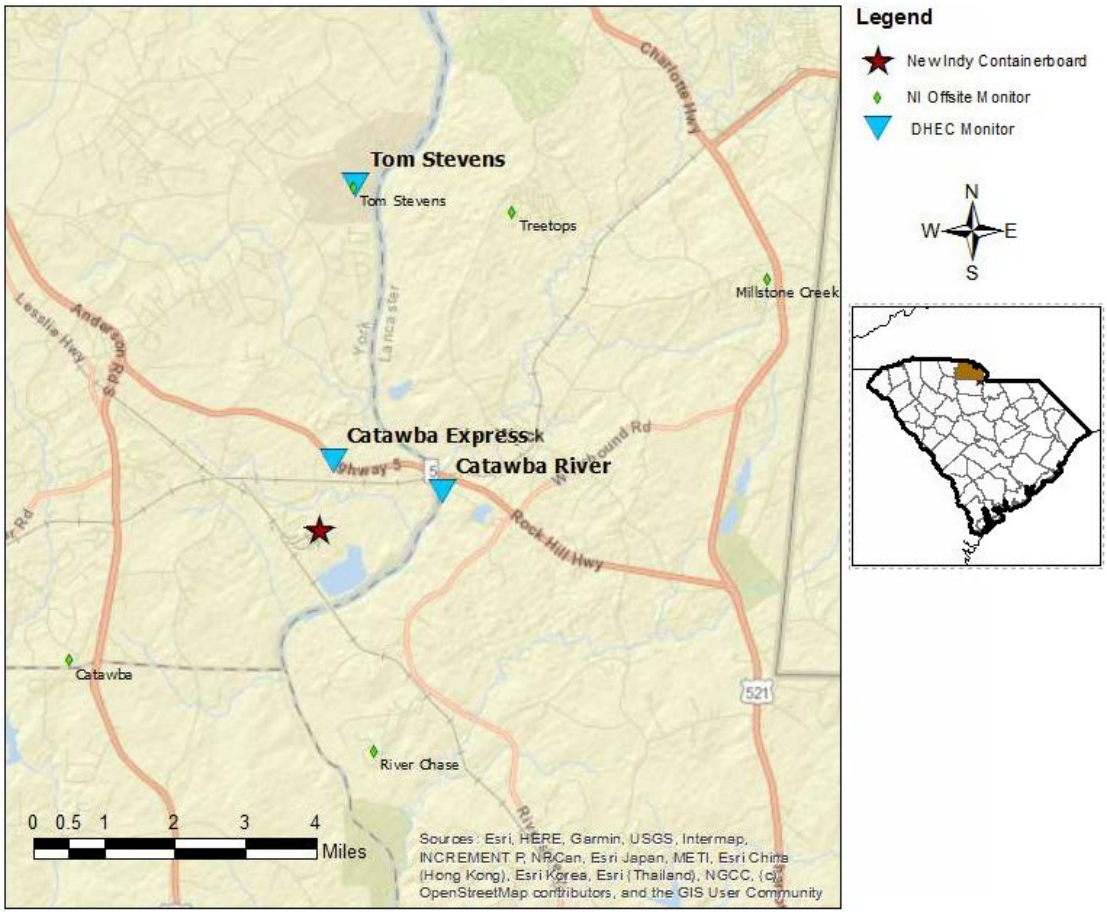
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	25837	5365	0 - 20 ppb	0.77 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.

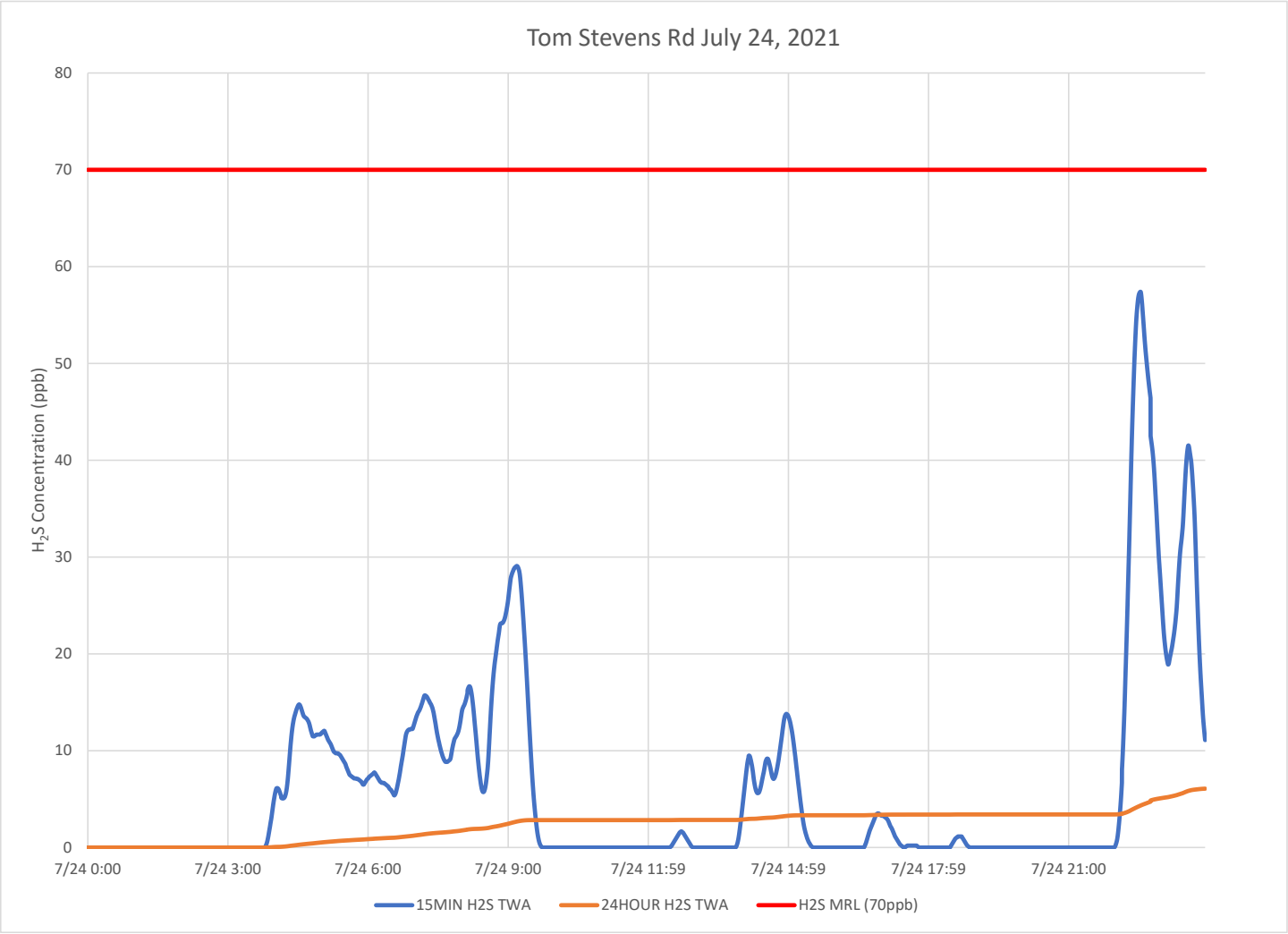
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

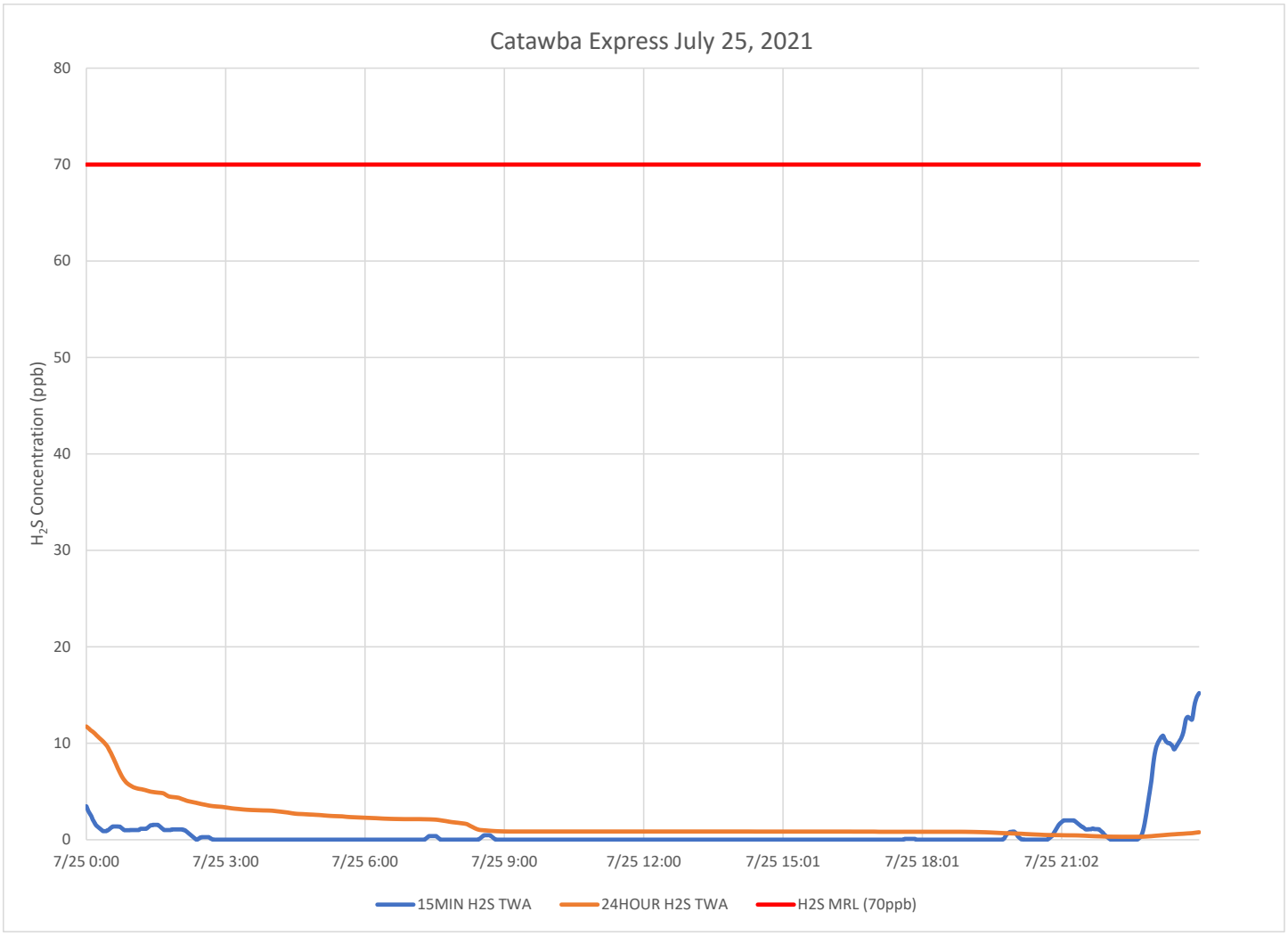
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds during this period were mainly from the southwest to south.



Notes:

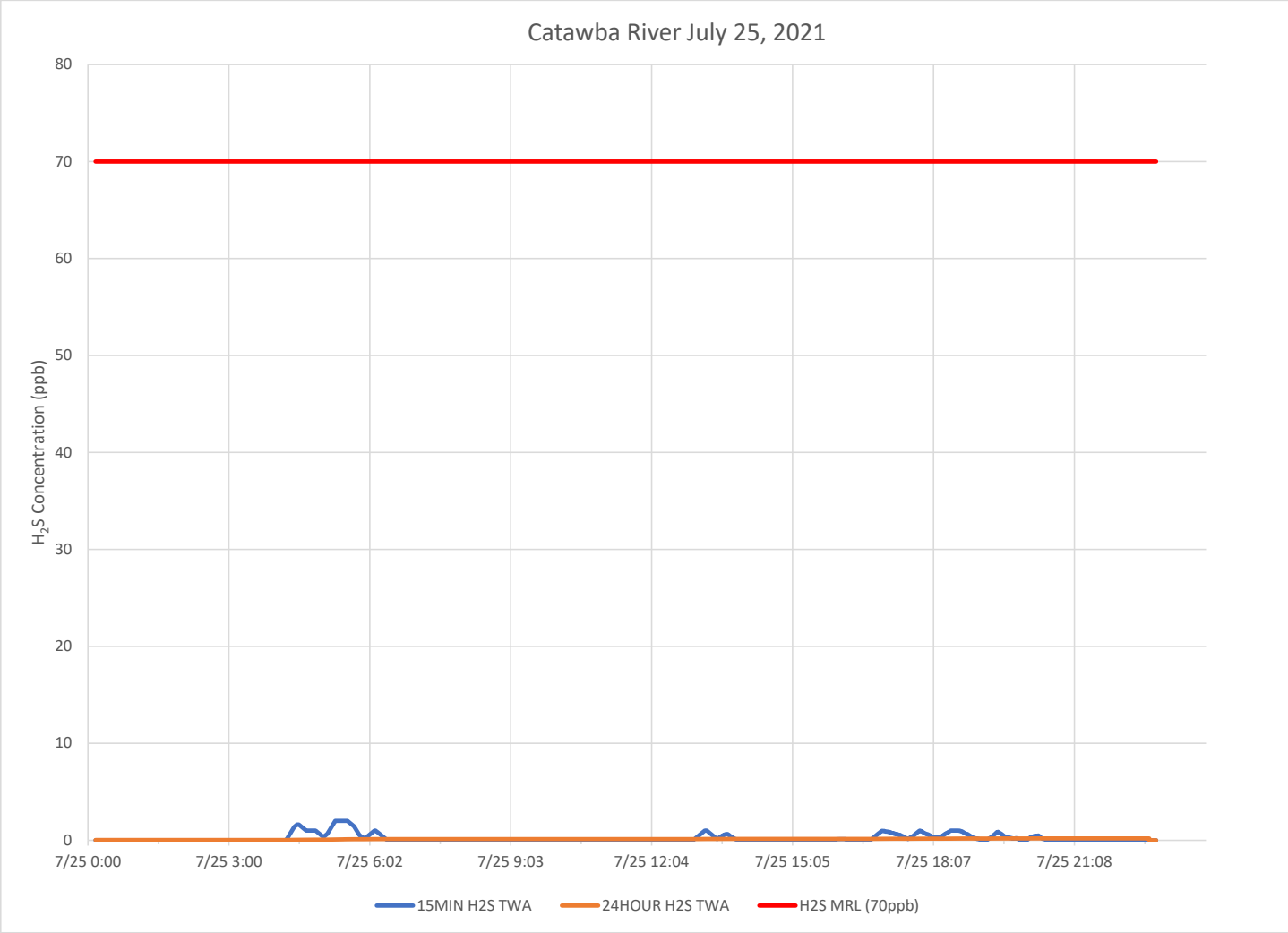
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

Communications with the Catawba River site was interrupted around midnight. If unreported data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/26/21 12:00 AM** ***To:*** **7/26/21 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	26178	11198	0 - 63 ppb	7.39 ppb	70 ppb

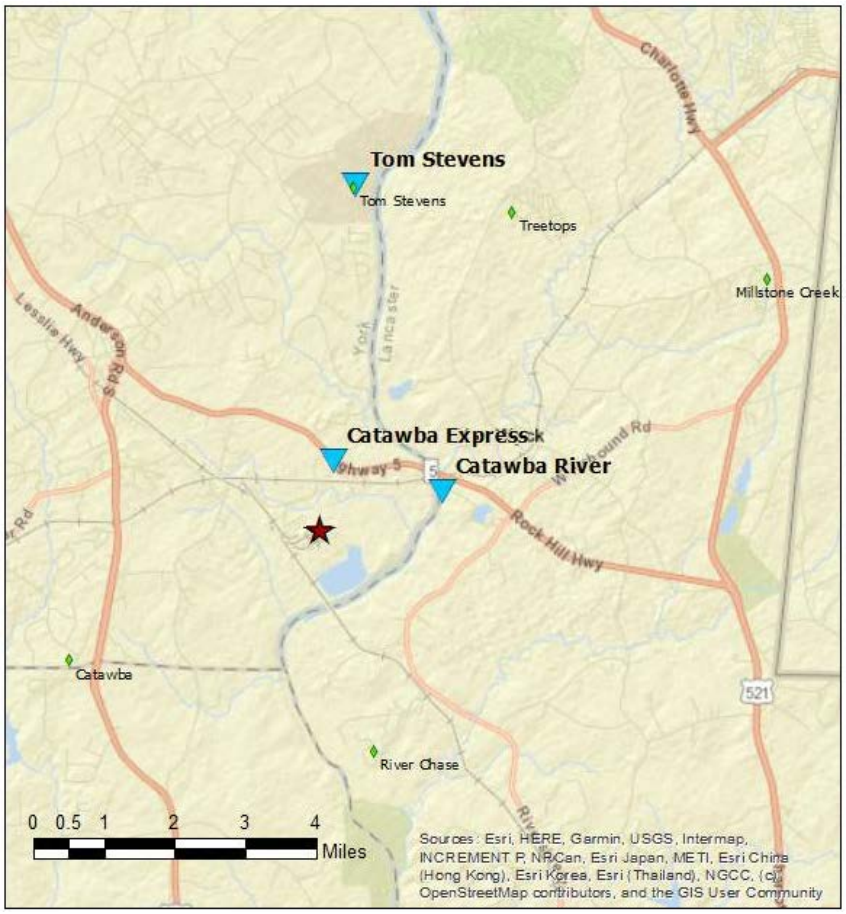
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	24948	6245	0 - 48 ppb	1.95 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26732	10697	0 - 36 ppb	2.94 ppb	70 ppb

Notes:

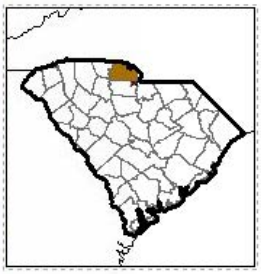
Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	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

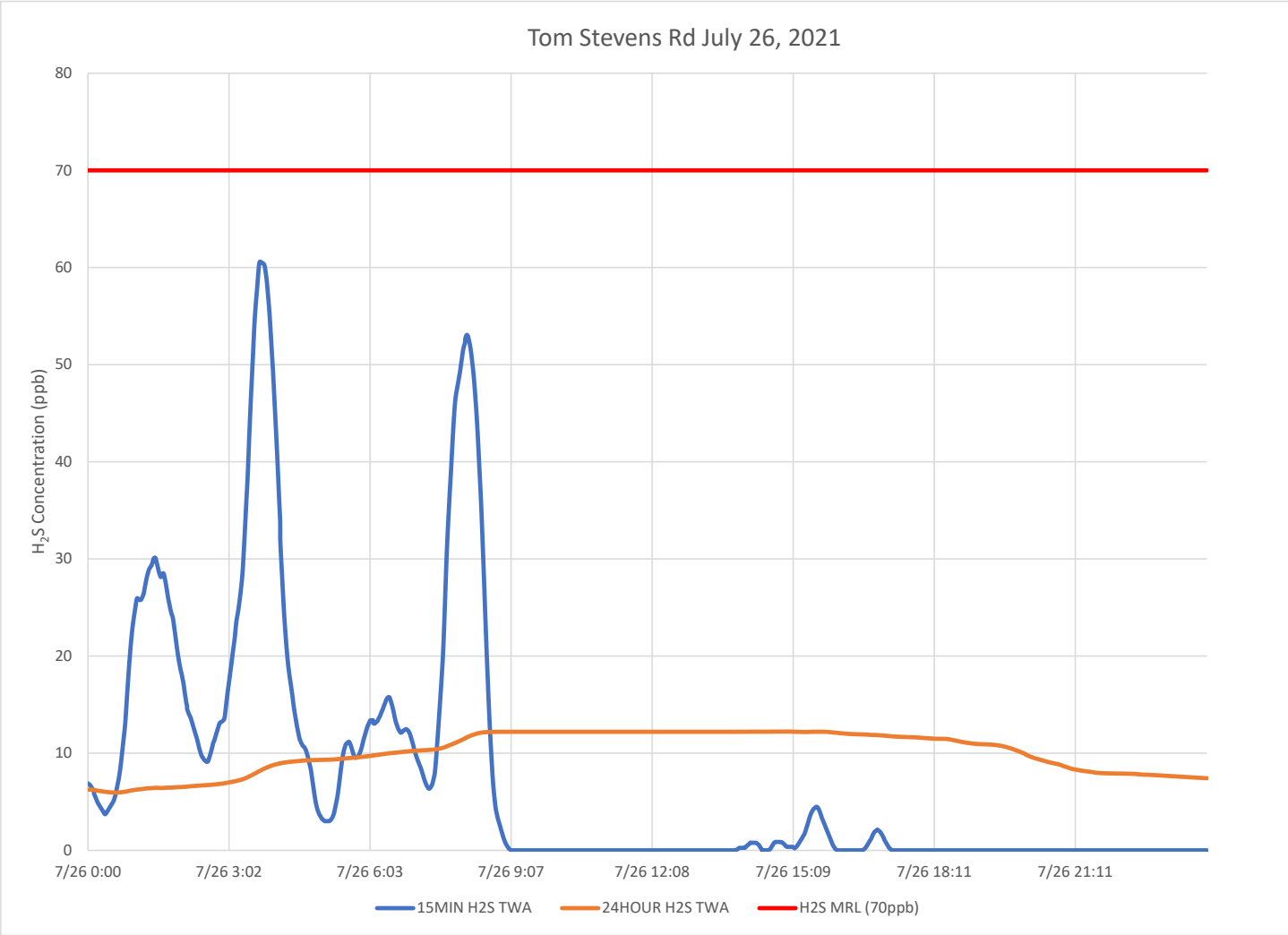
- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor



H_2S in South Carolina

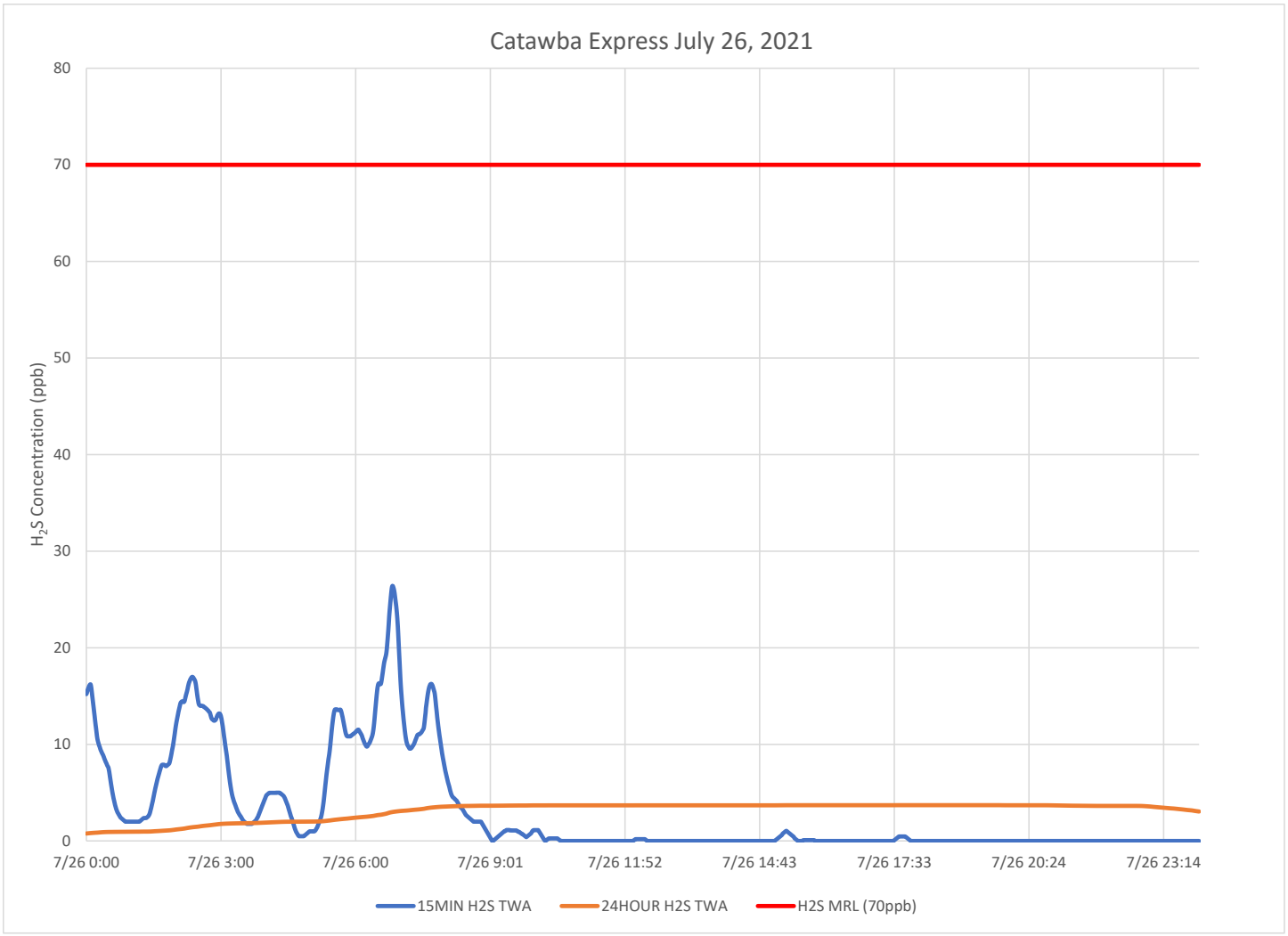
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds during this period were predominantly from the southwest.



Notes:

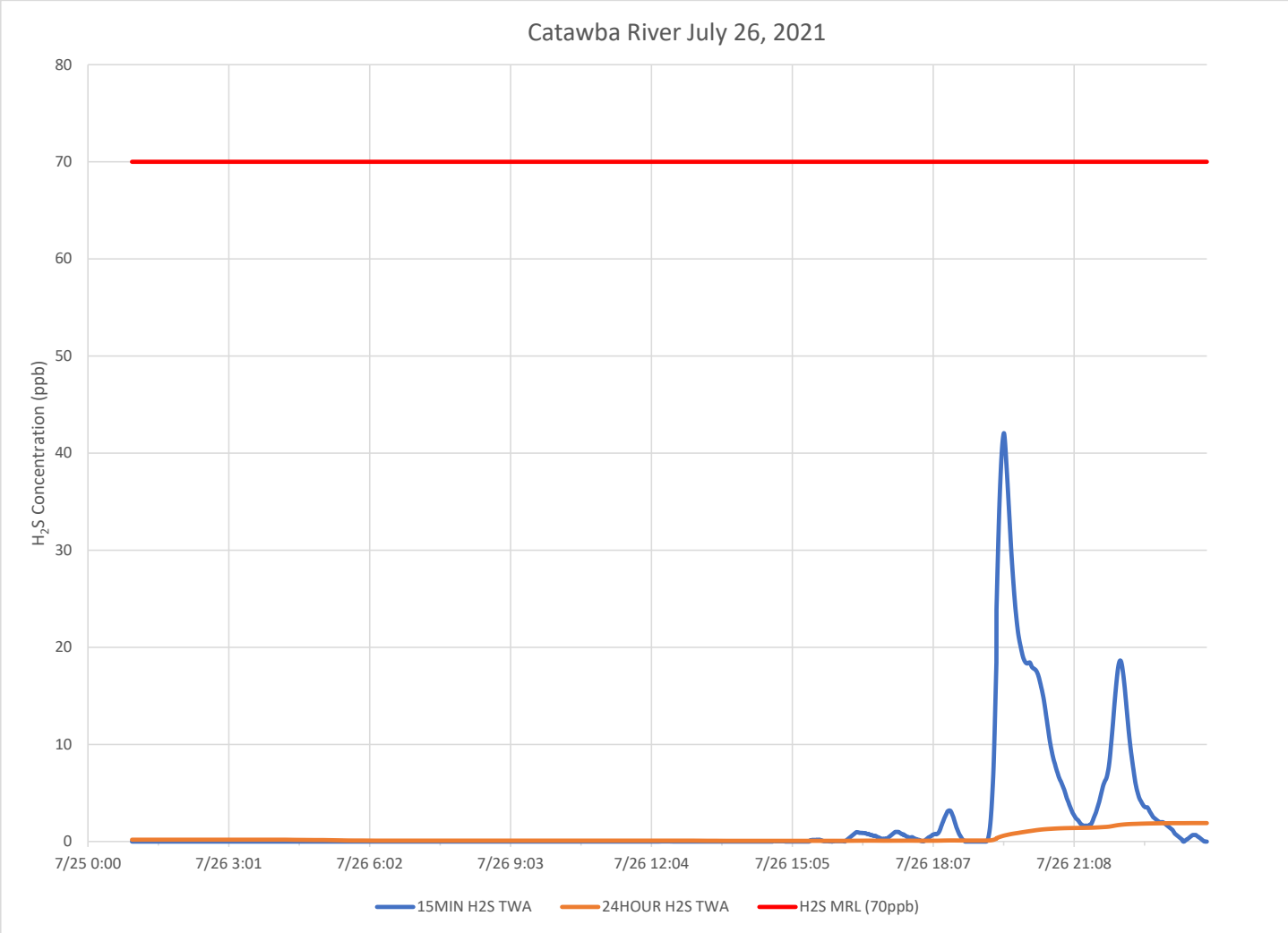
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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

Communication with the Catawba River site was interrupted around midnight 7/25. If unreported data is recovered, an amended report will be posted.



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/27/21 12:00 AM** ***To:*** **7/27/21 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	26190	5319	0 - 10 ppb	0.62 ppb	70 ppb

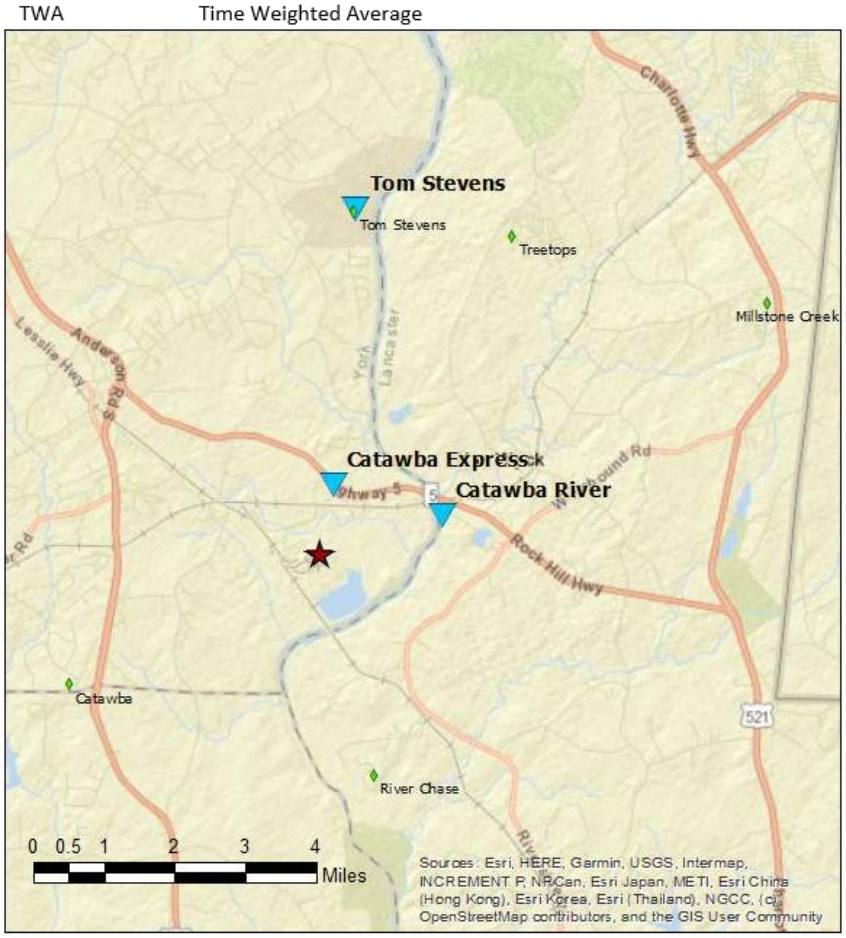
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	26102	9254	0 - 20 ppb	2.37 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26621	20940	0 - 246 ppb	15.22 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_2S	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

New Indy Containerboard

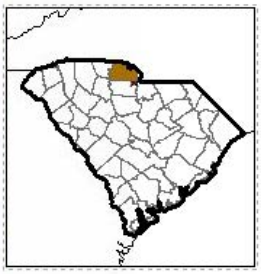
NI Offsite Monitor

DHEC Monitor

N

W E

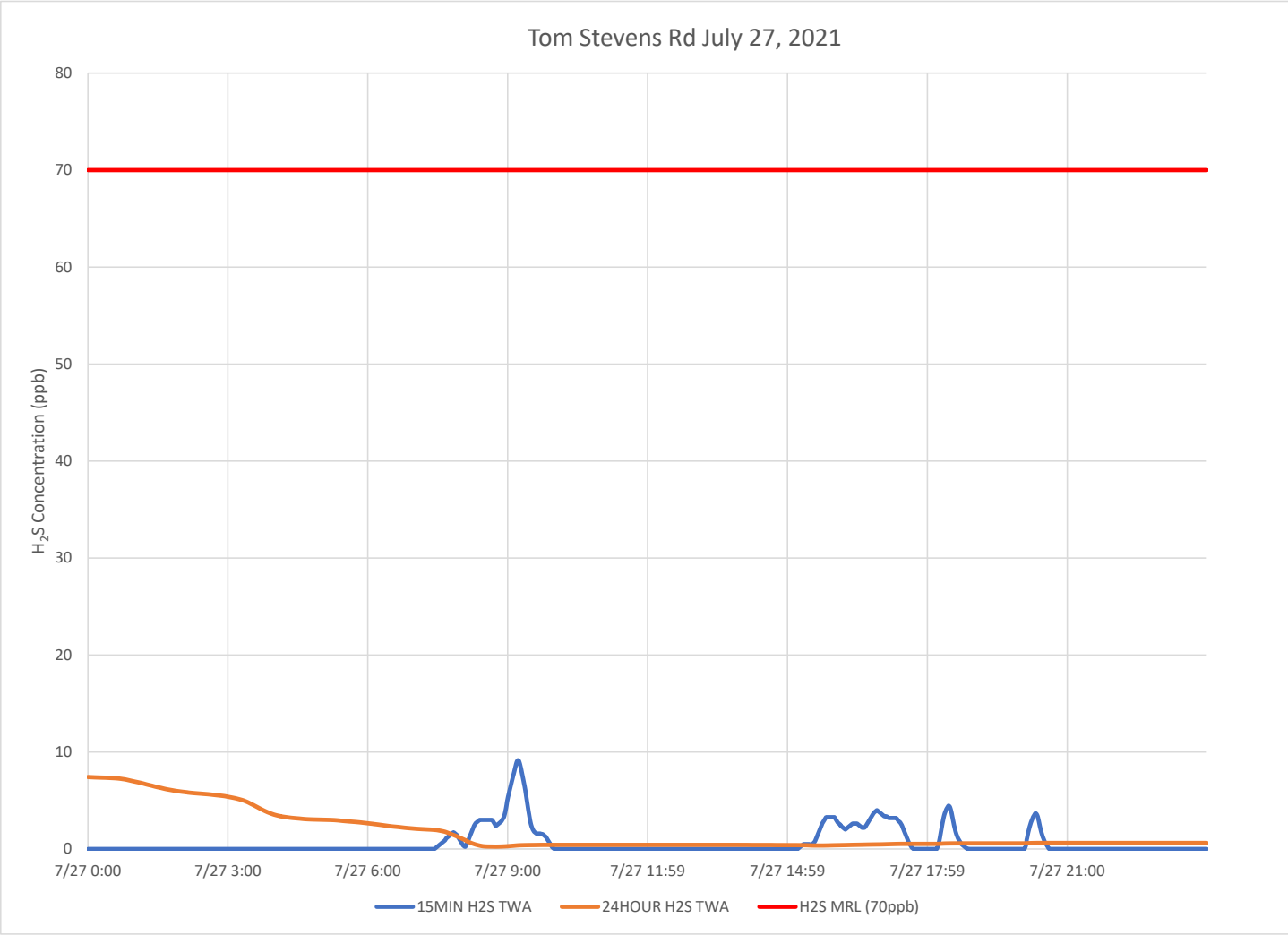
S



H_2S in South Carolina

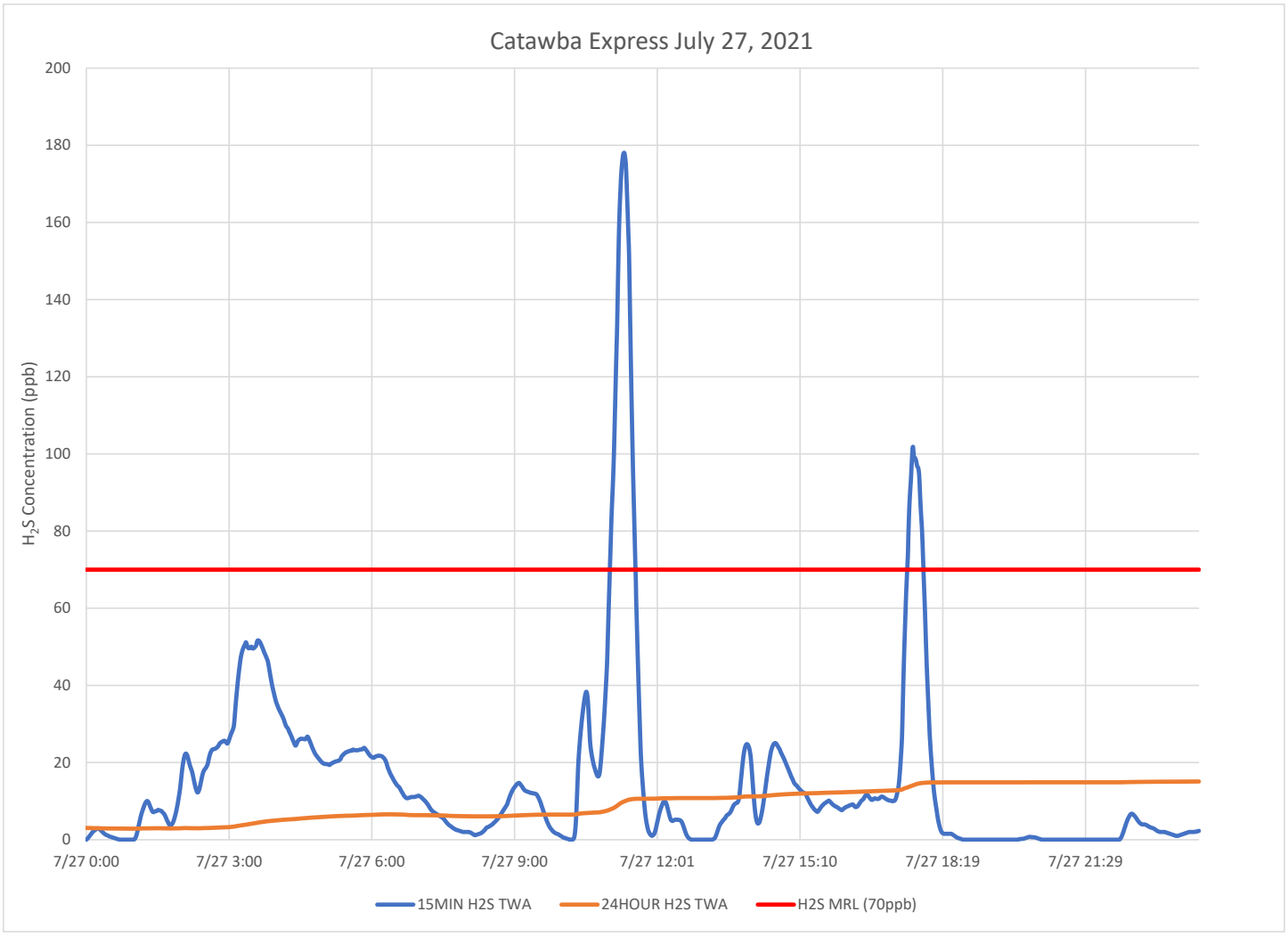
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds were calm throughout most of the day. When present ,they were predominantly from the south southwest.



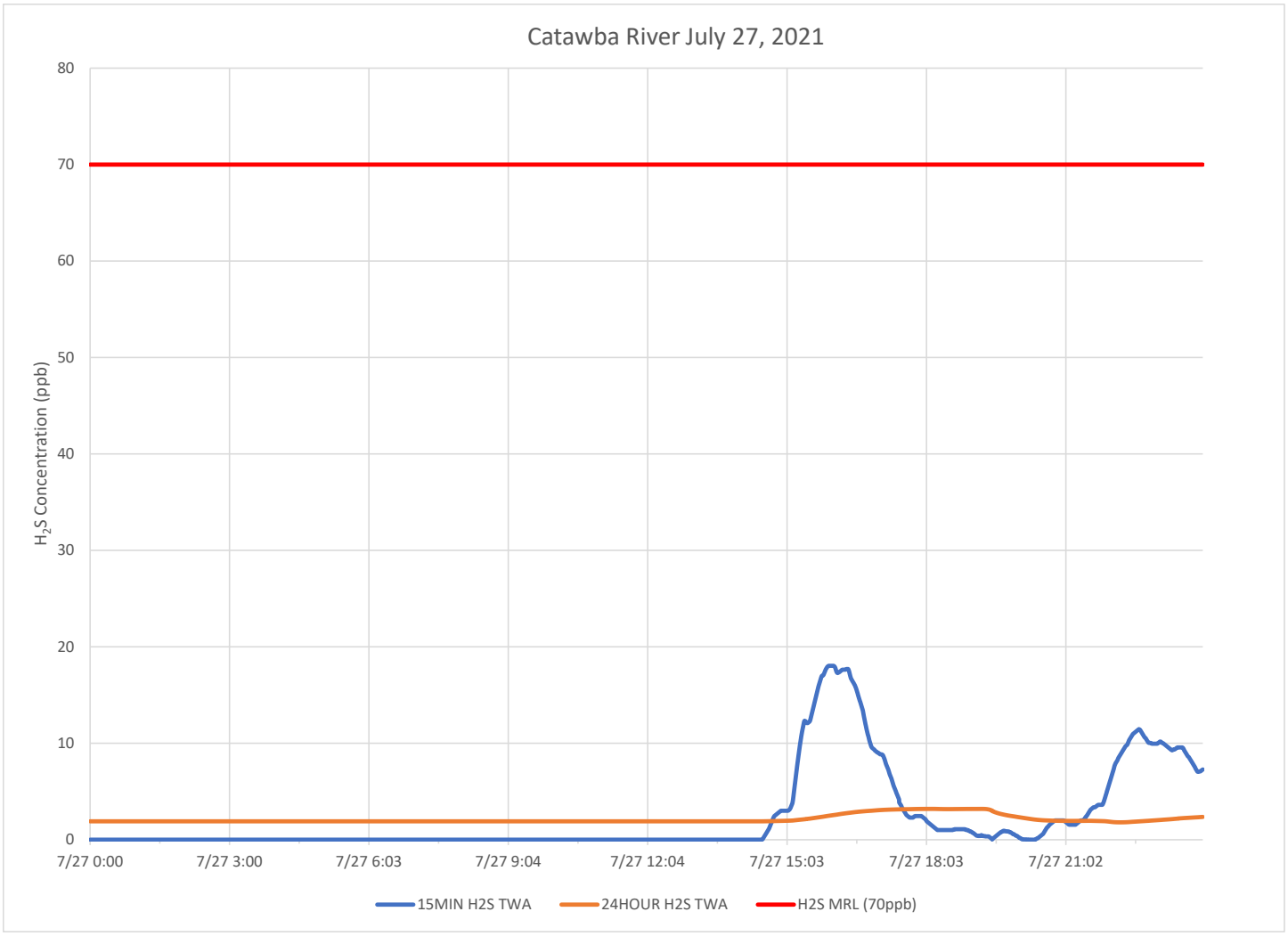
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/28/21 12:00 AM** ***To:*** **7/29/21 12:00 AM**

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	26091	7985	0 - 89 ppb	2.77 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	26157	13799	0 - 62 ppb	3.54 ppb	70 ppb

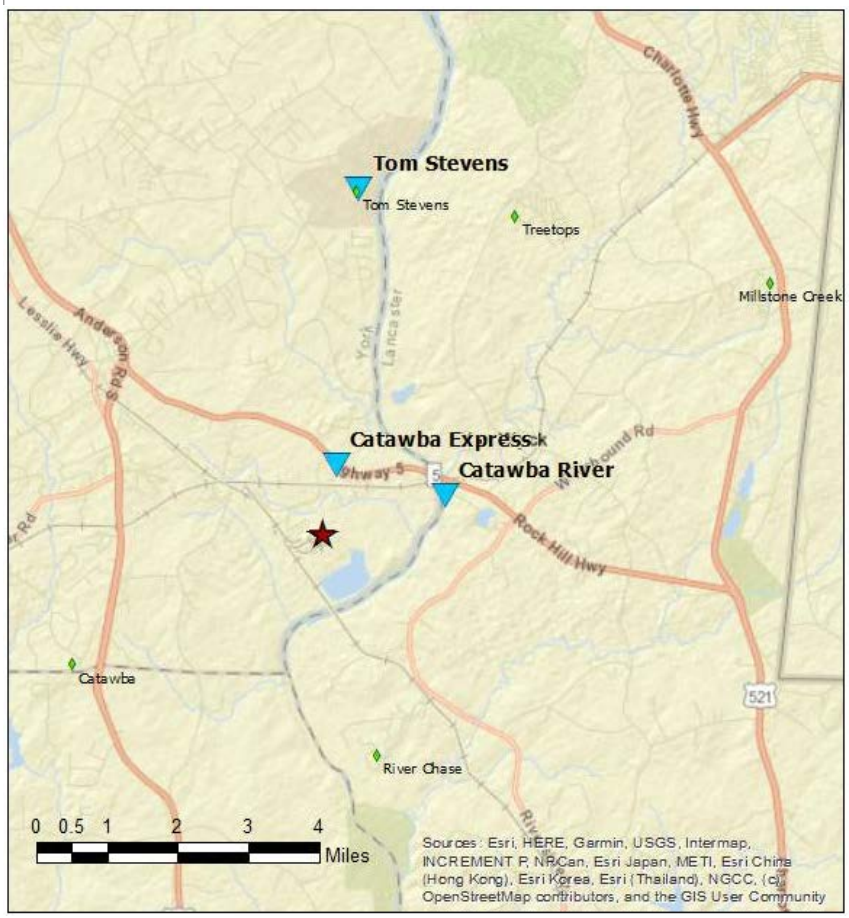
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26254	11230	0 - 162 ppb	7.12 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_2S	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



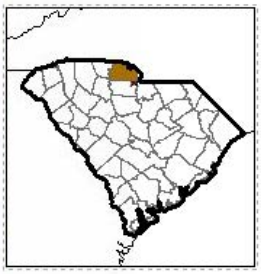
Legend

New Indy Containerboard

NI Offsite Monitor

DHEC Monitor

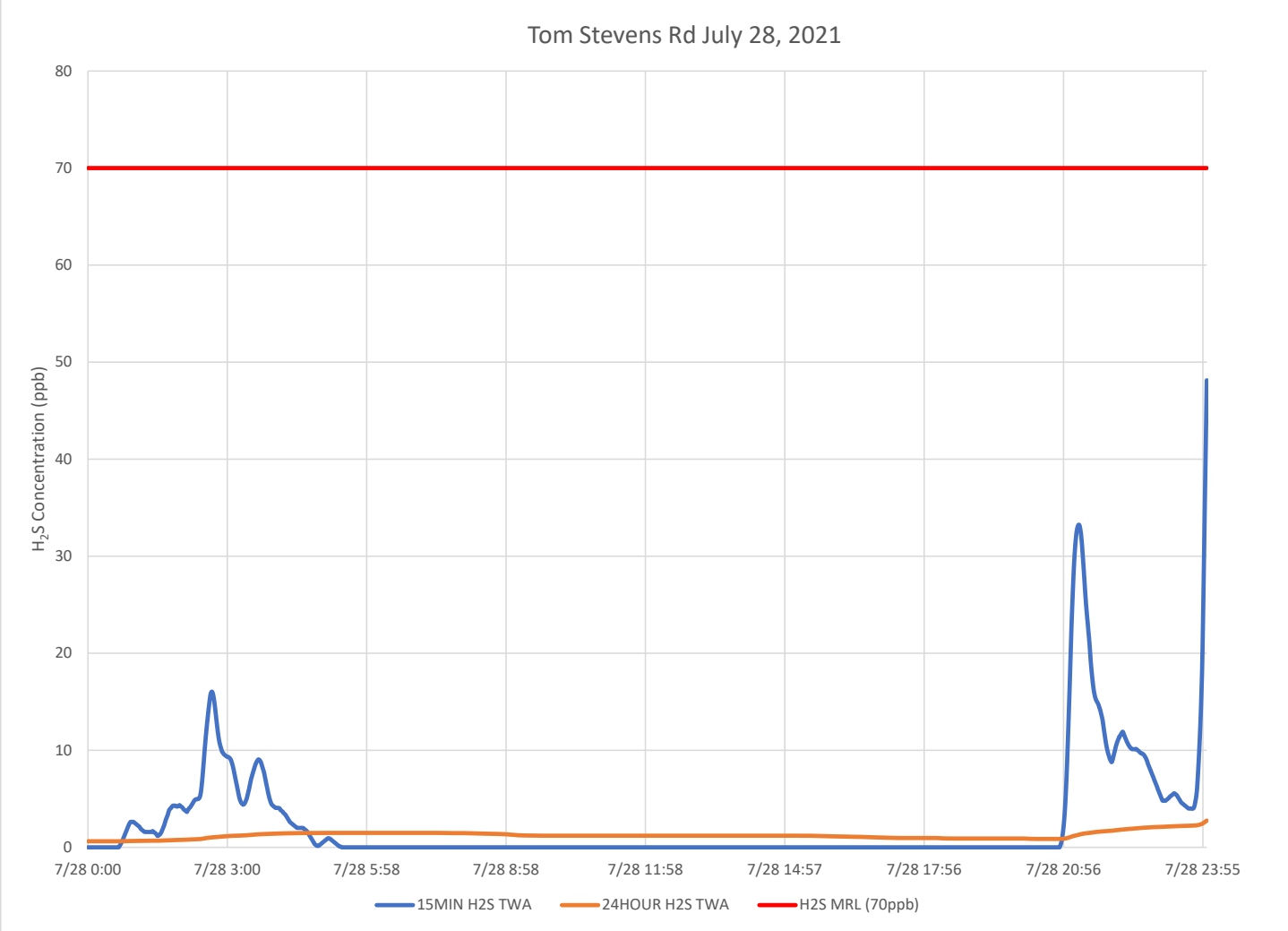
N W E S



H_2S in South Carolina

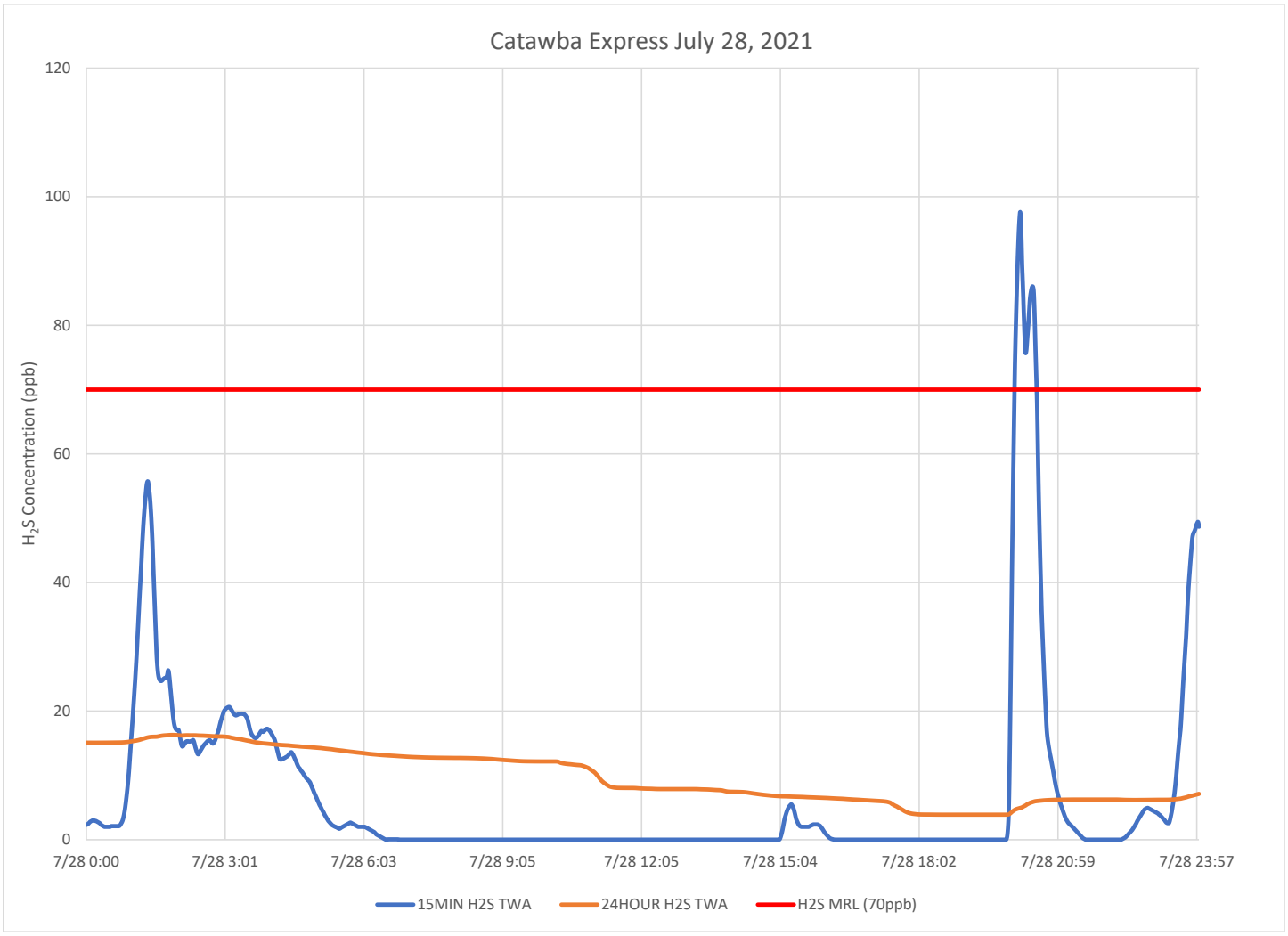
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds were variable, predominantly from the north northwest to north northeast , but some periods from the south to southwest.



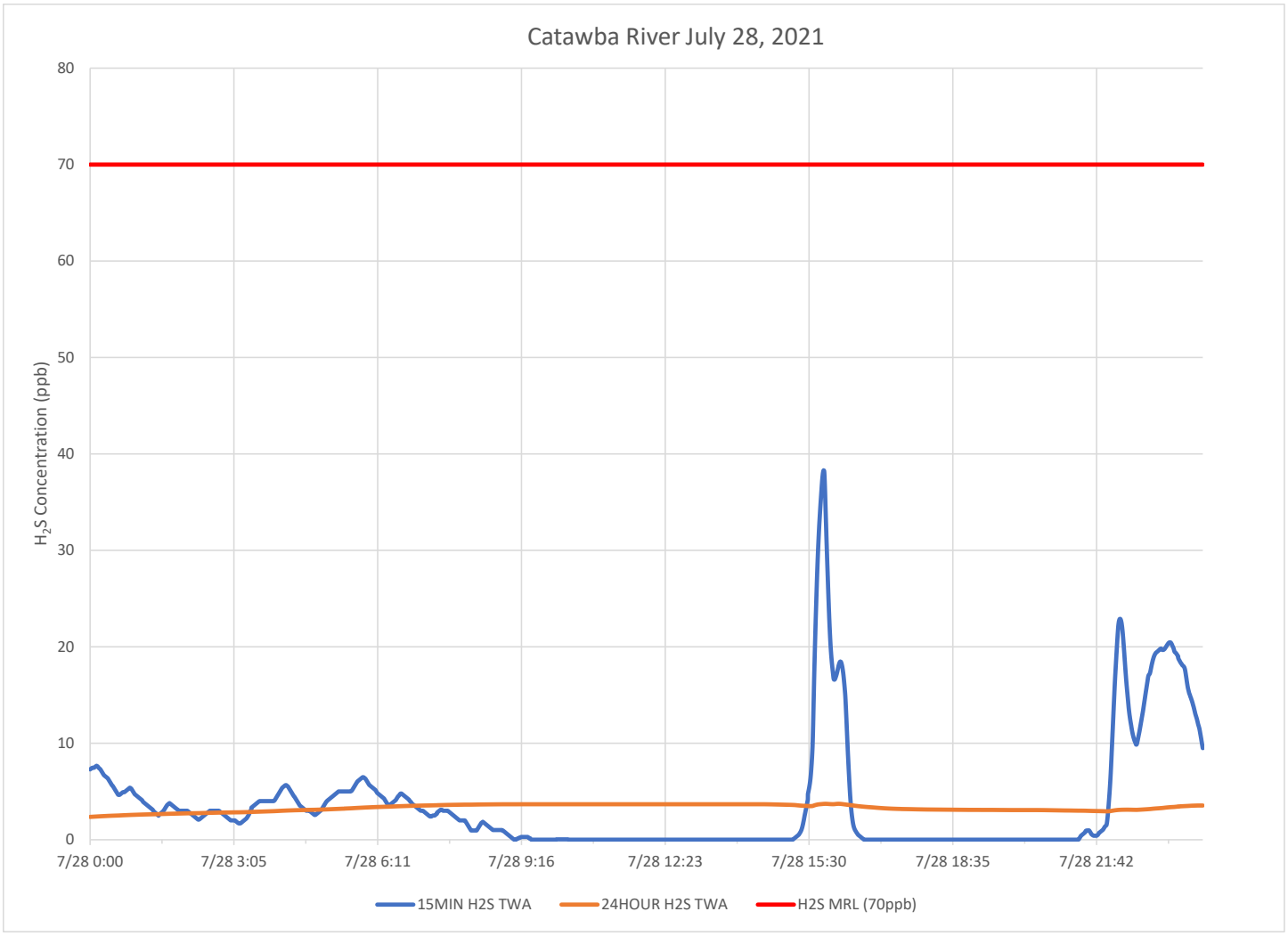
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/29/21 12:00 AM** ***To:*** **7/29/21 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	26250	12011	0 - 88 ppb	5.45 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	26059	17431	0 - 83 ppb	10.27 ppb	70 ppb

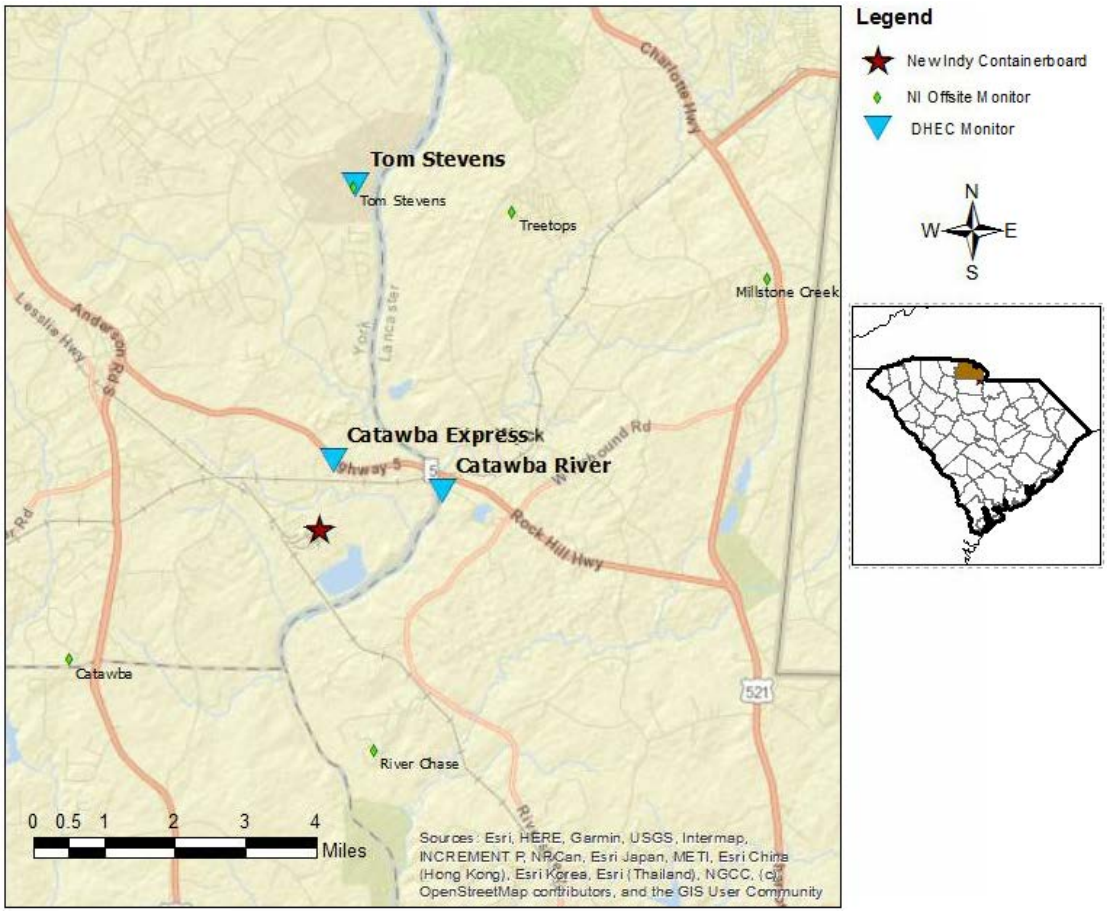
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26499	11050	0 - 110 ppb	7.66 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.

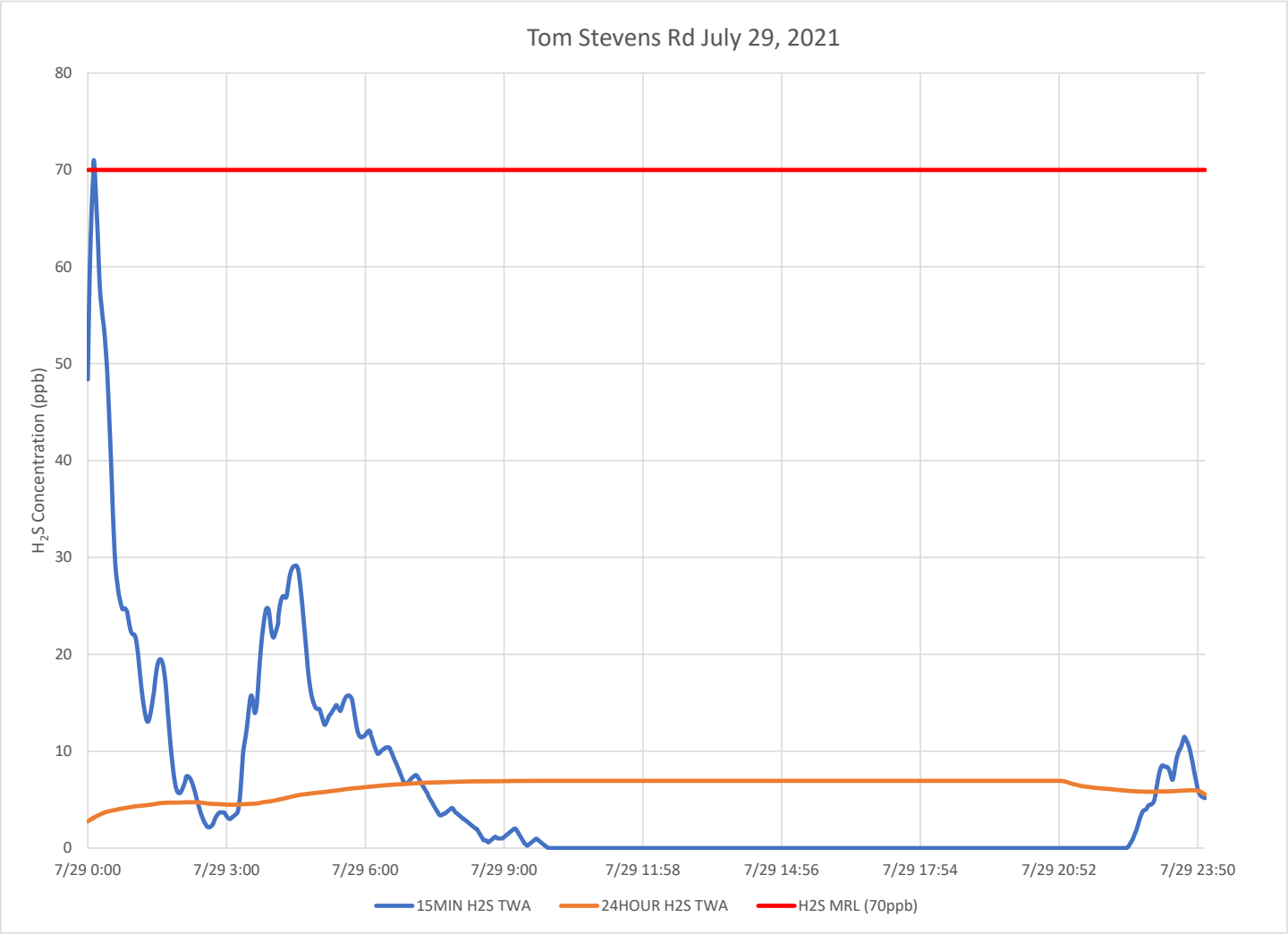
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

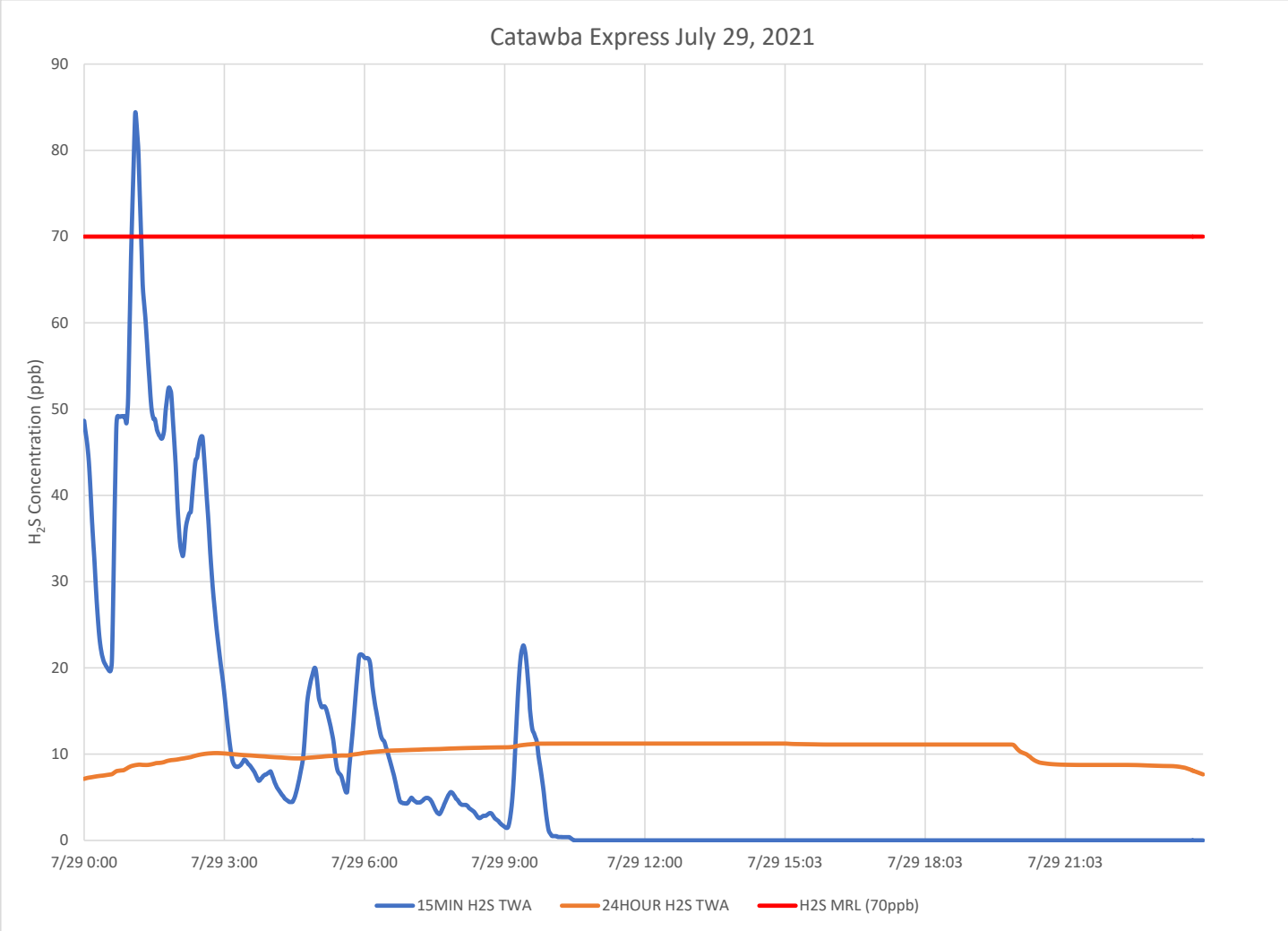
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds were predominantly from the southwest.



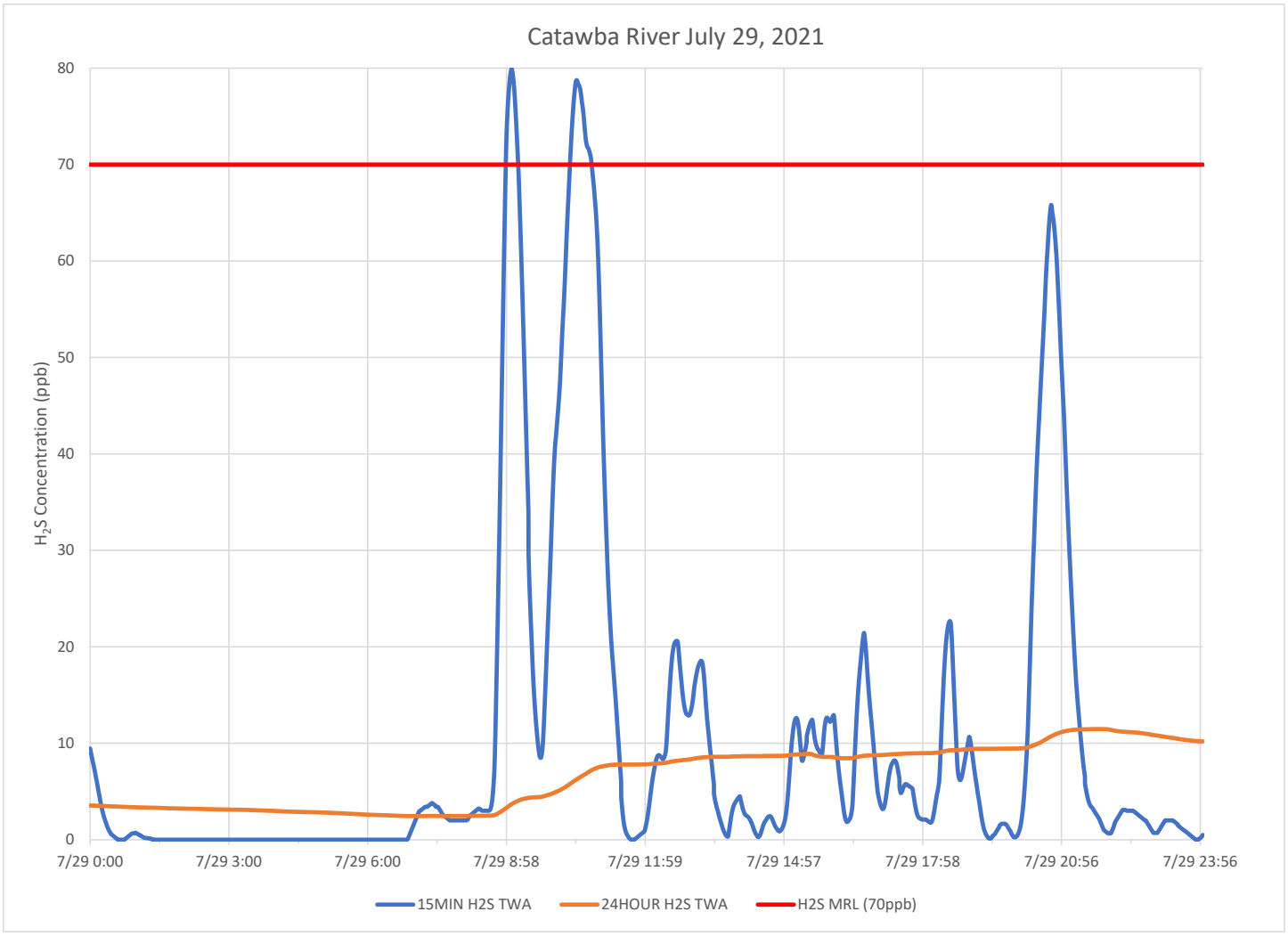
Notes:

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



Notes:

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



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/30/21 12:00 AM** ***To:*** **7/30/21 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	26356	2126	0 - 9 ppb	0.17 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	26068	12468	0 - 68 ppb	6.17 ppb	70 ppb

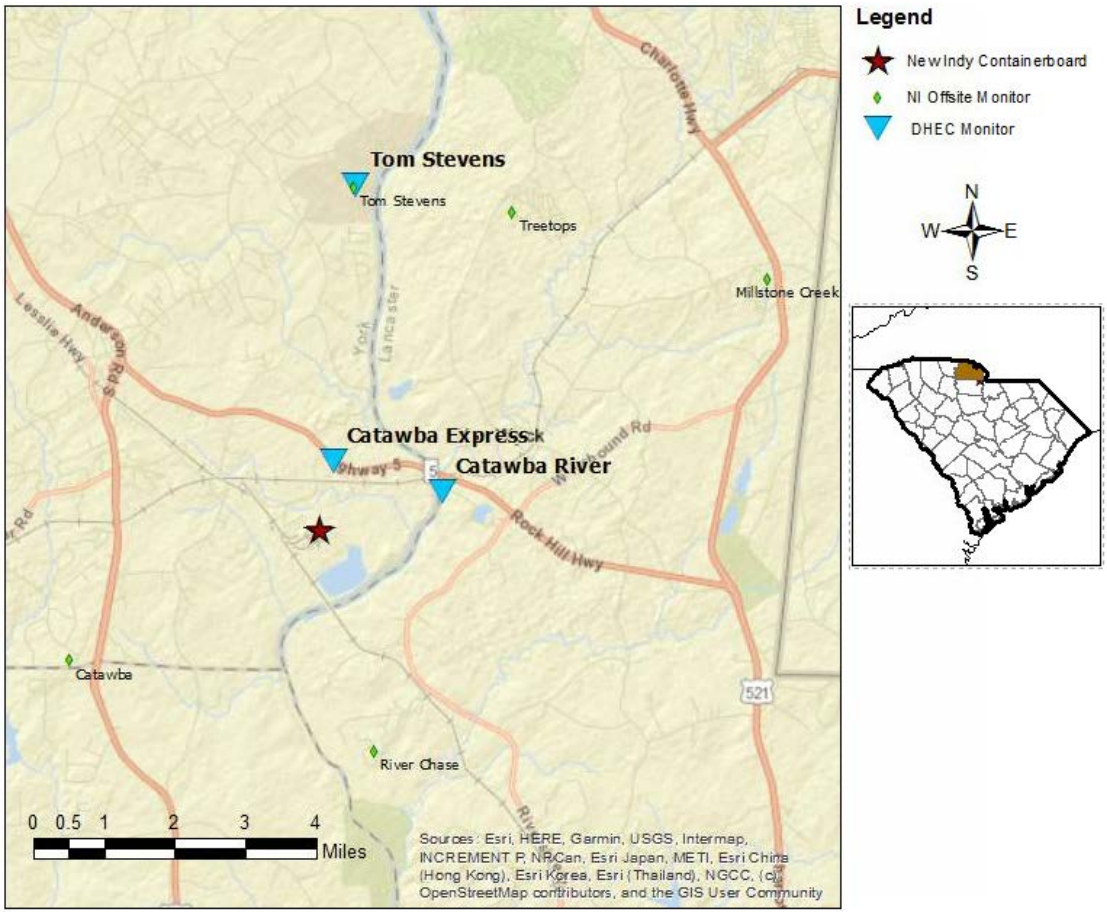
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26568	236	0 - 2 ppb	0.01 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.

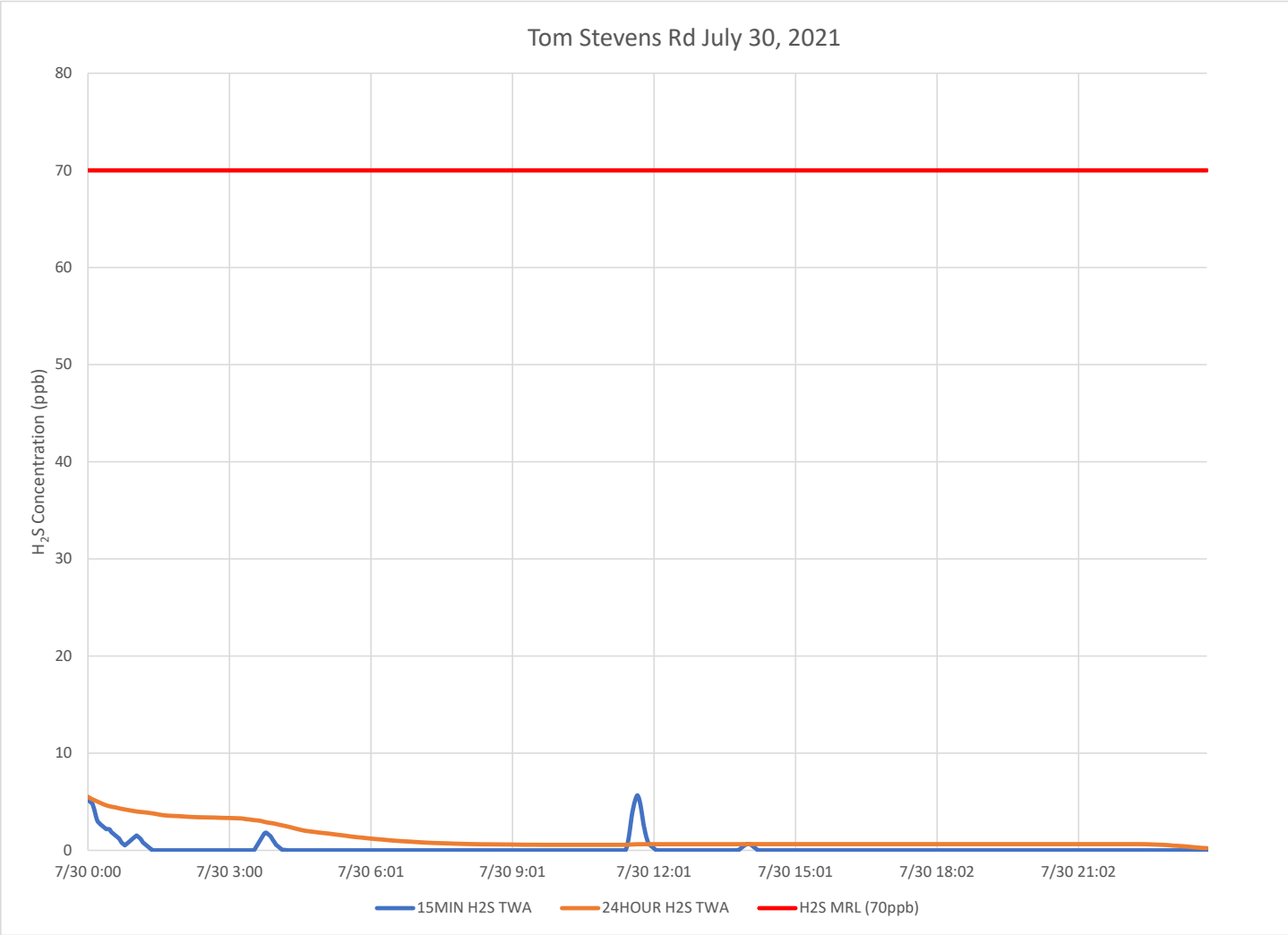
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

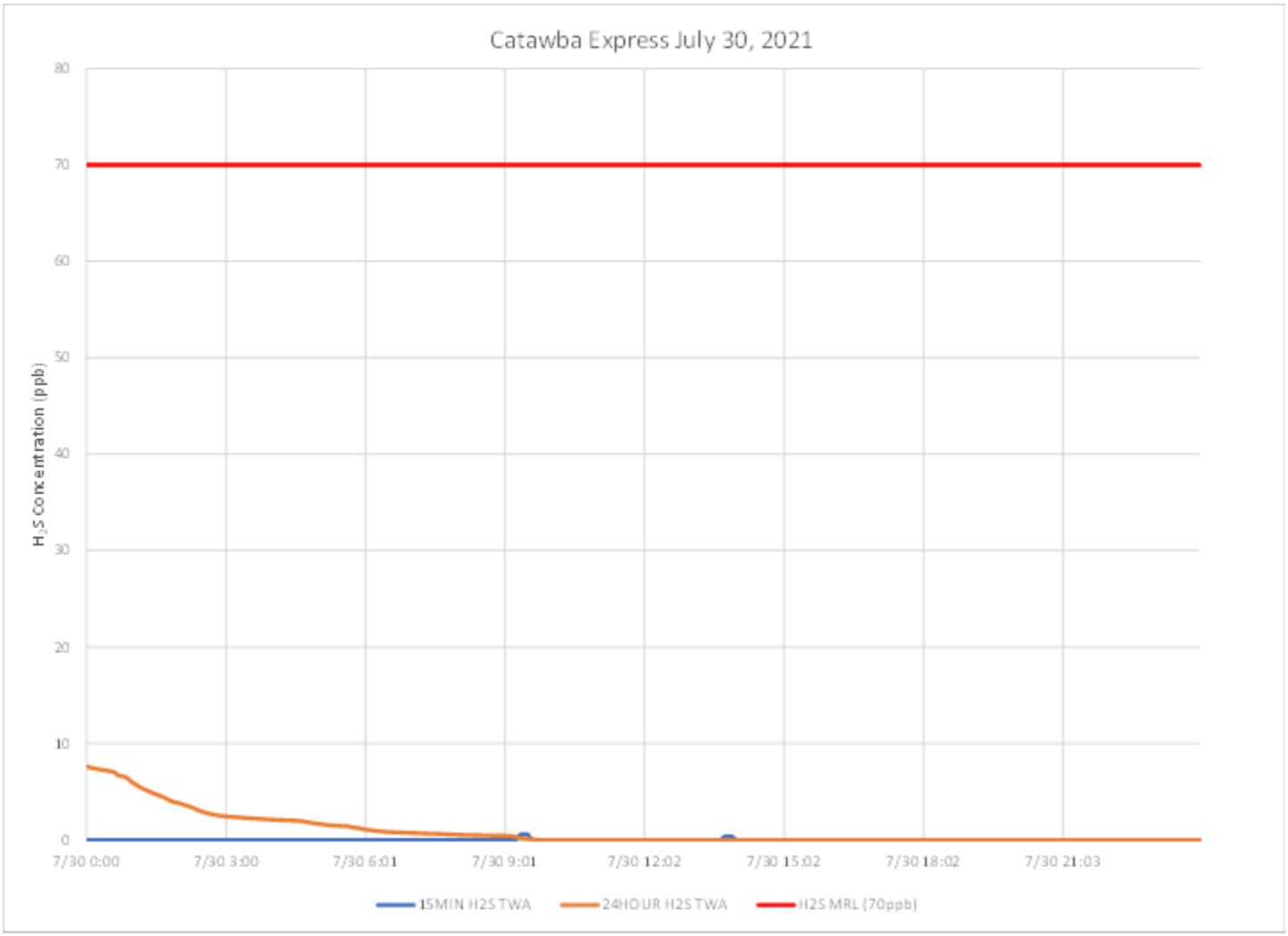
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds for this period were predominantly from the southwest to south southwest.



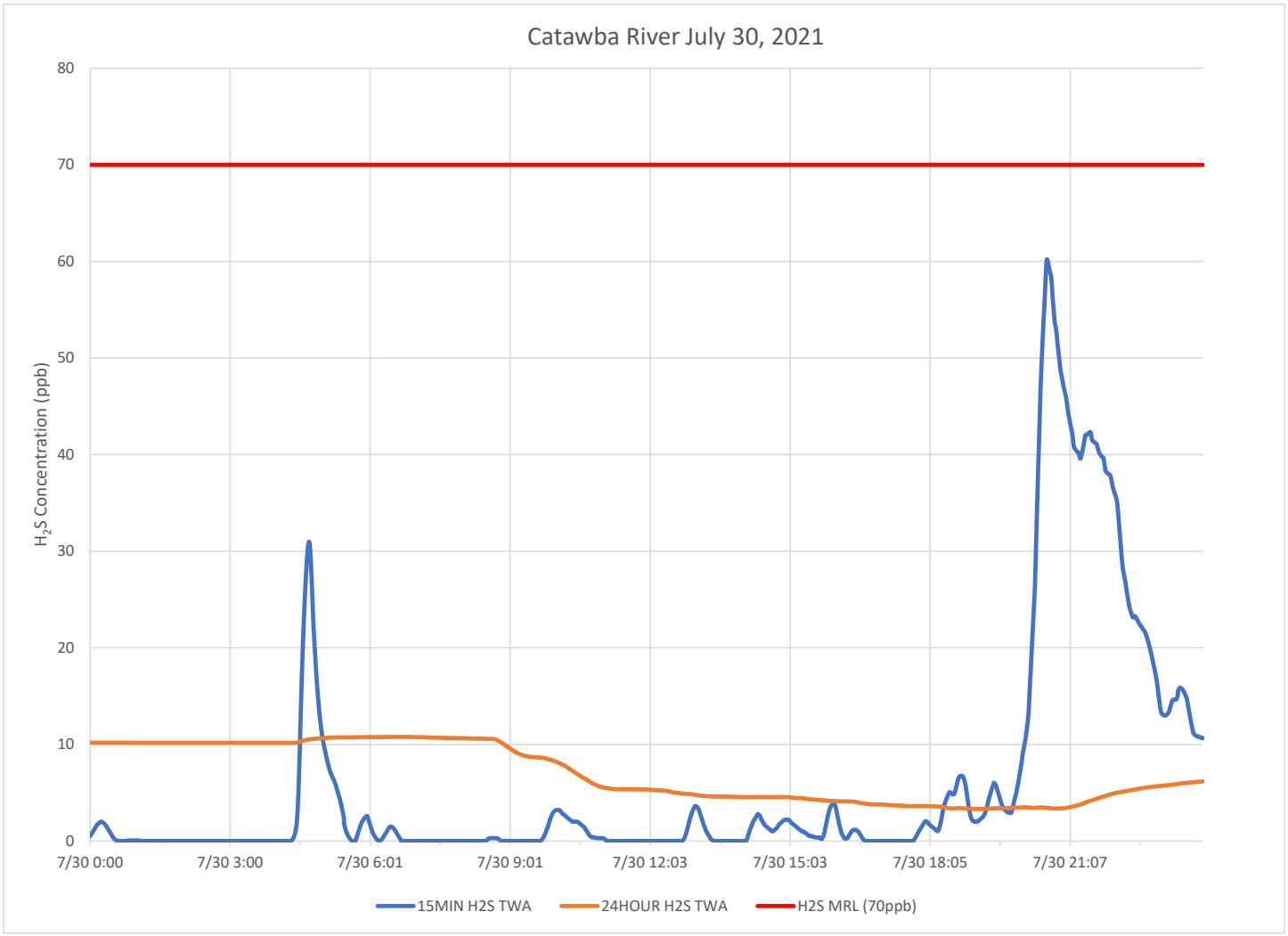
Notes:

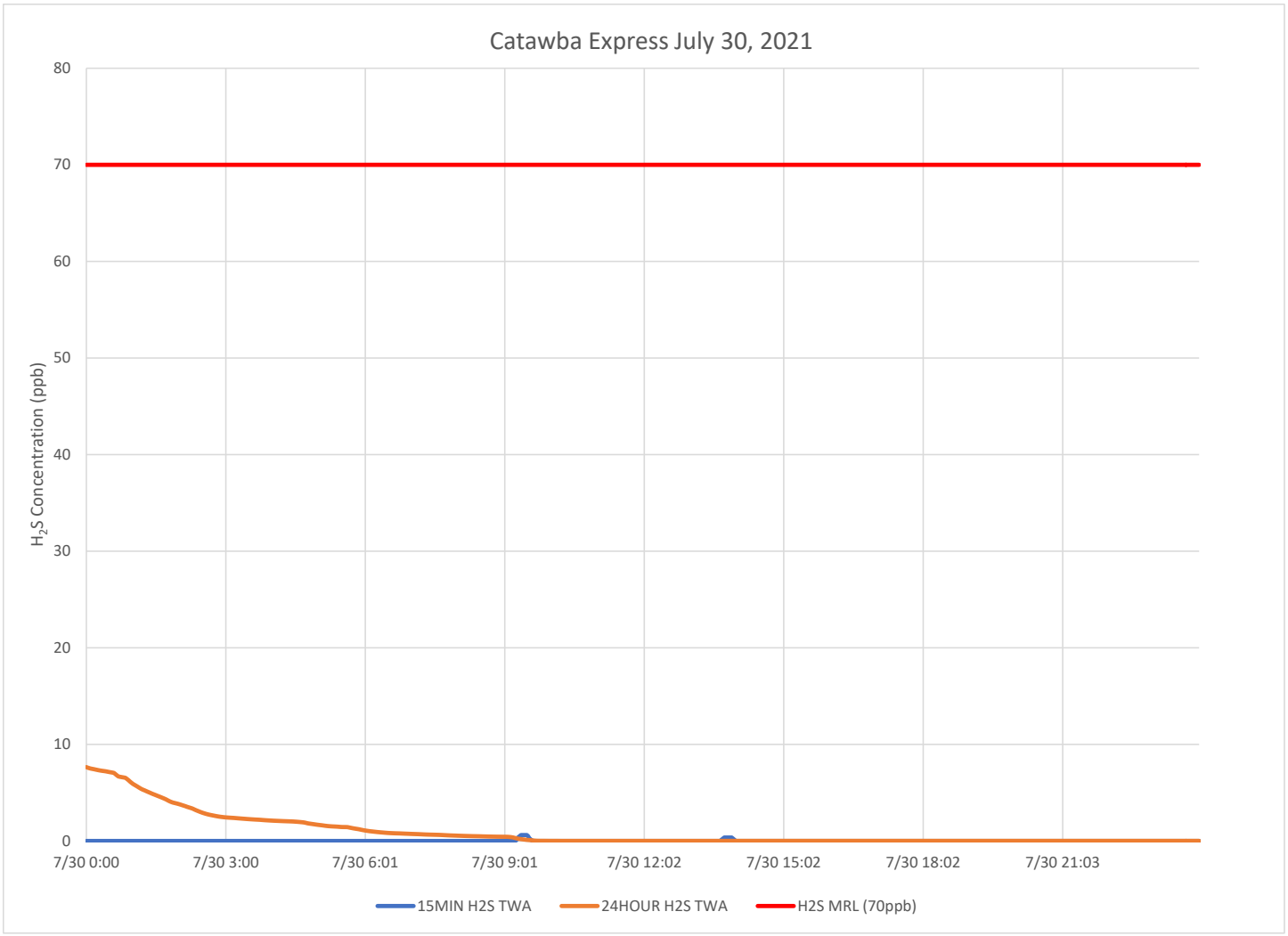
Time is Eastern Daylight Time
H_2S – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion



Notes:

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


Catawba River July 30, 2021
80
70
60
50
40
30
20
10
0
H2S Concentration (ppb)
7/30 0:00
7/30 3:00
7/30 6:01
7/30 9:01
7/30 12:03
7/30 15:03
7/30 18:05
7/30 21:07
15MIN H2S TWA
24HOUR H2S TWA
H2S MRL (70ppb)



Notes:

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

Air Monitoring Summary Tables

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

Project Name: **H_2S in South Carolina**

From: **7/31/21 12:00 AM** ***To:*** **7/31/21 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	25062	1694	0 - 7 ppb	0.18 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	26088	16232	0 - 55 ppb	6.12 ppb	70 ppb

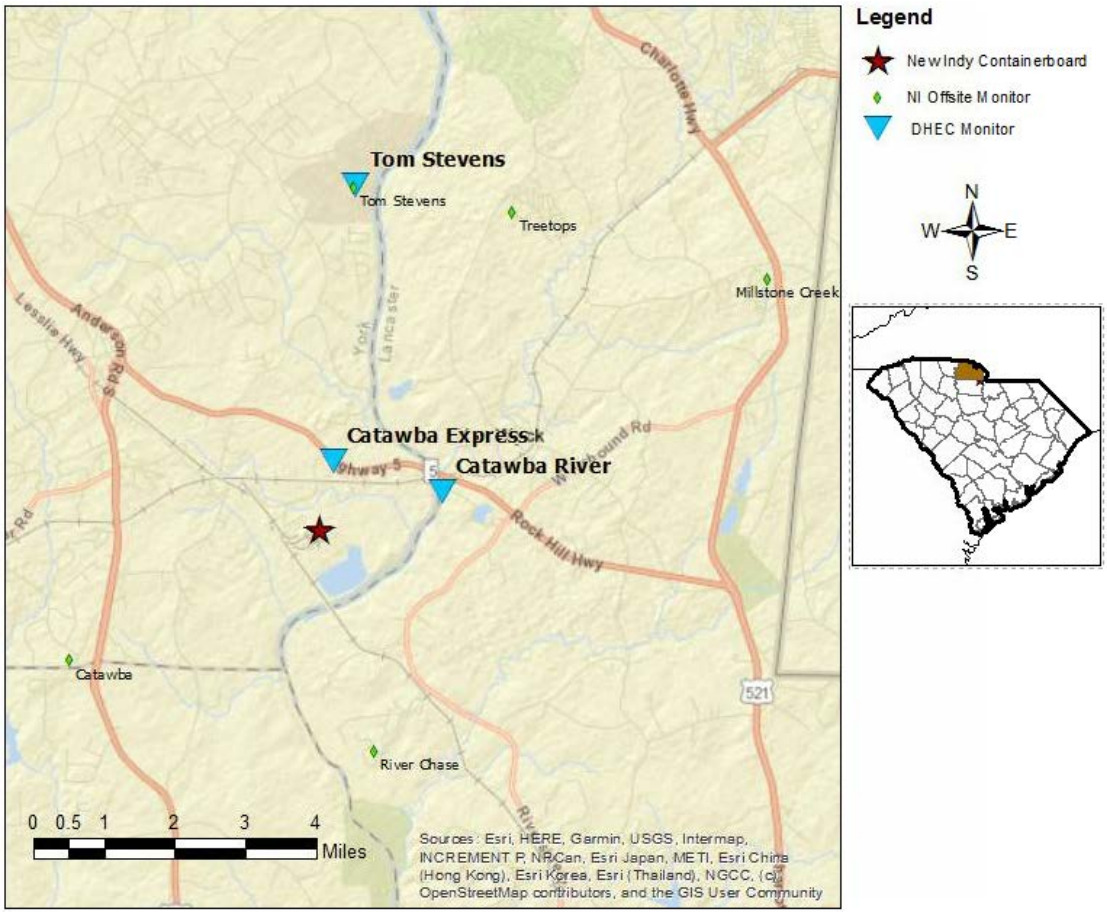
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	26573	4170	0 - 16 ppb	0.49 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.

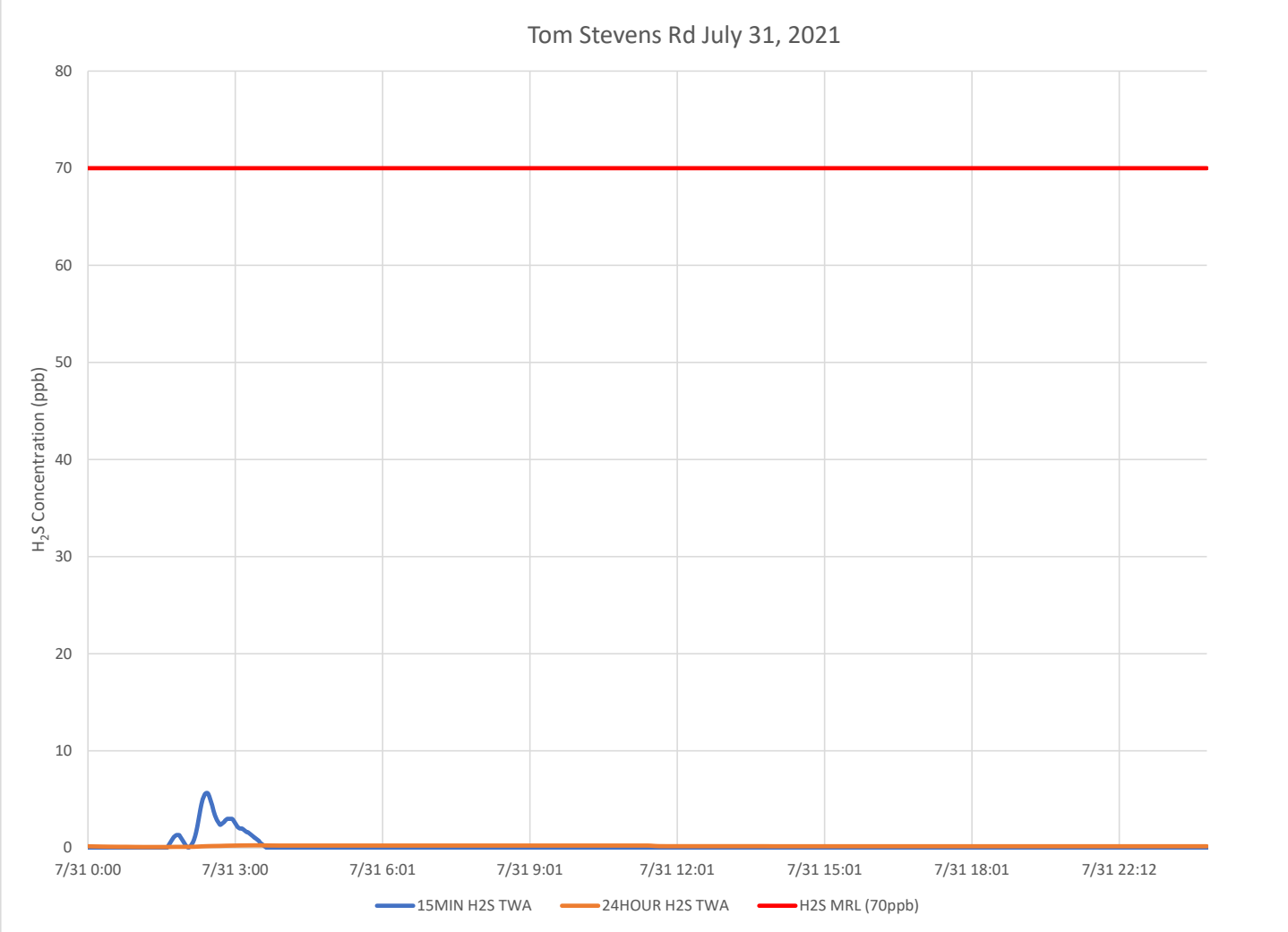
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



H_2S in South Carolina

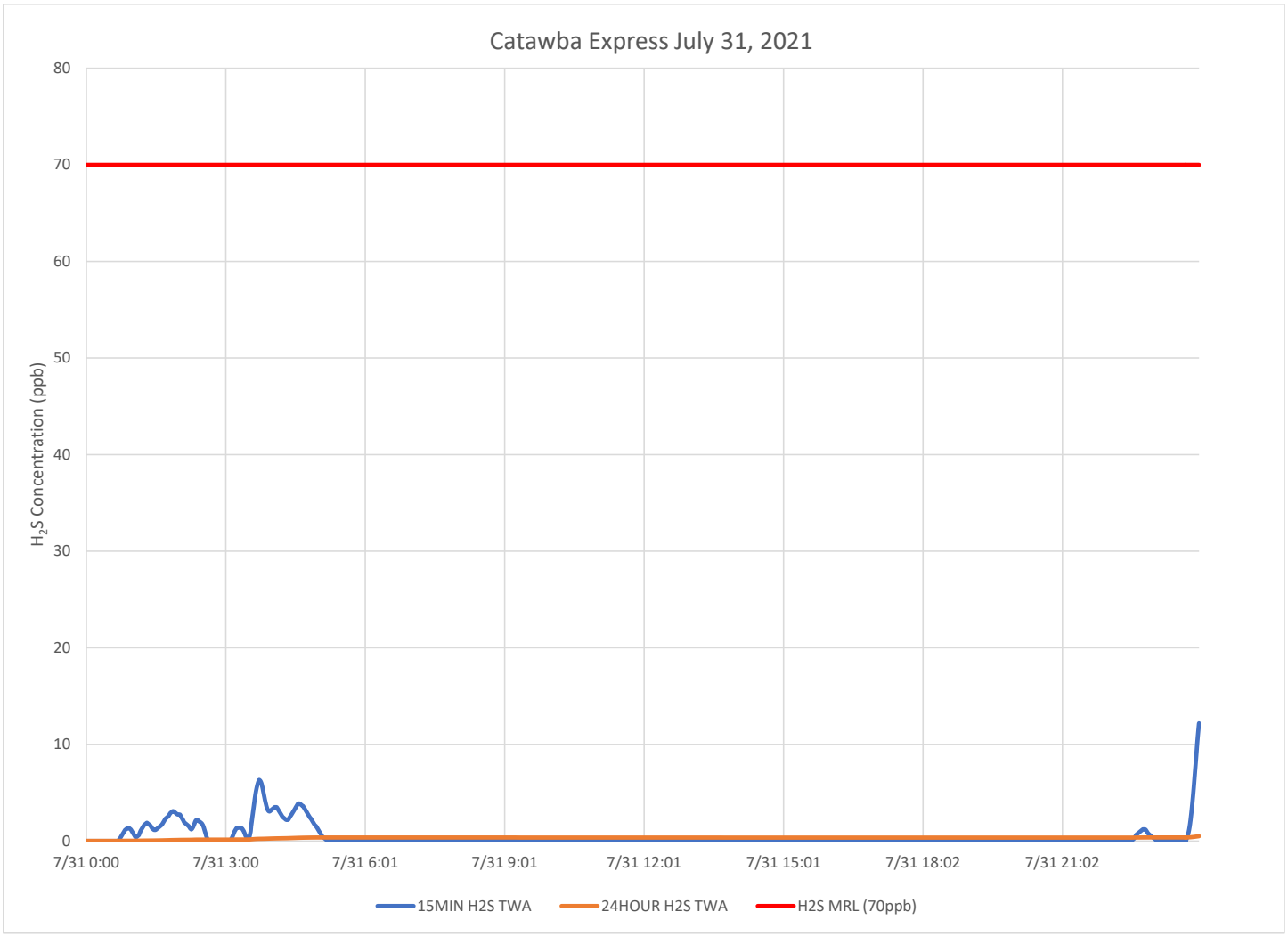
Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Winds for this period were variable with winds from the north to east northeast (primarily north northeast) and from the west to southwest (primarily west southwest).



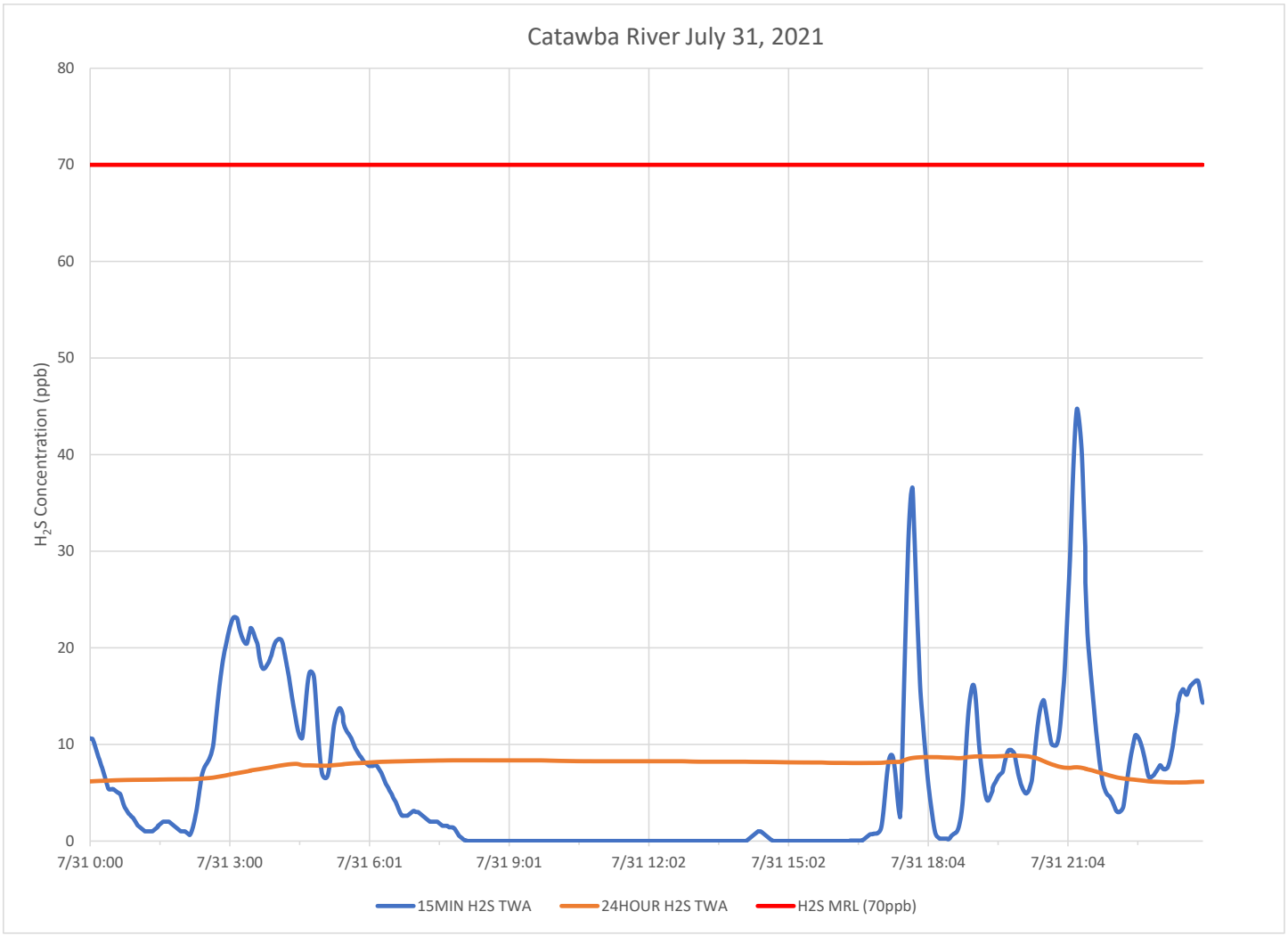
Notes:

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



Notes:

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



Notes:

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