# 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 |

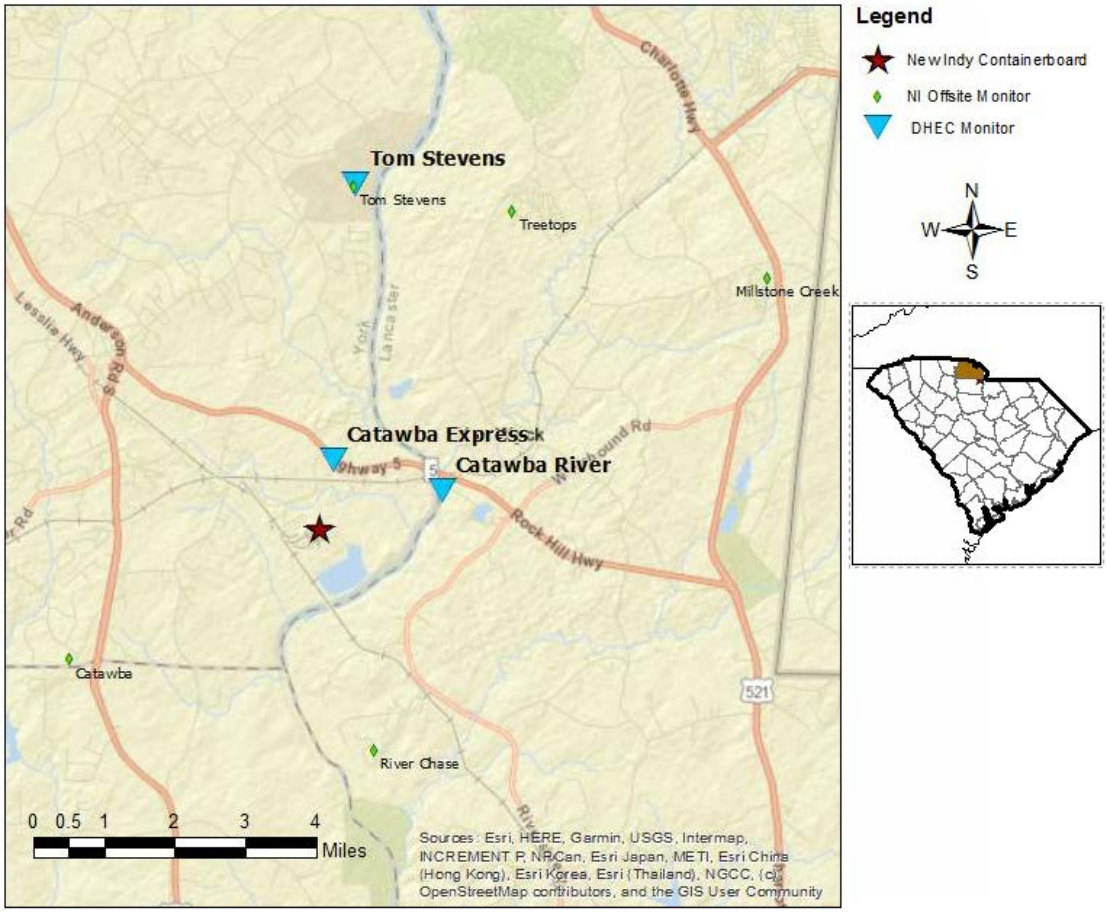
**Catawba Express**

| 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.

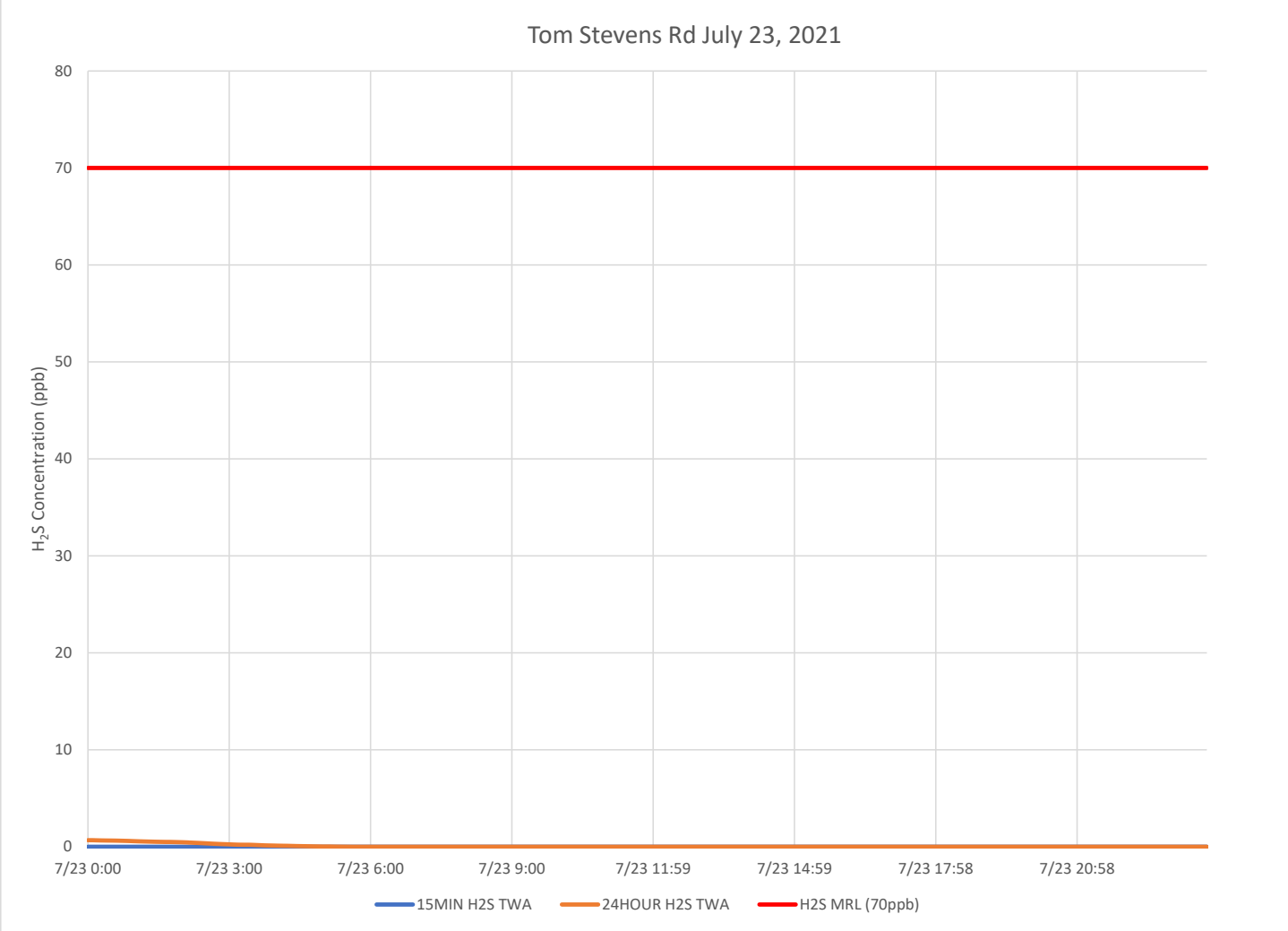
| | |
|---|---|
| ATSDR MRL | Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days) |
| $H_2S$ | Hydrogen Sulfide |
| hr | Hour |
| ppb | Parts per billion |
| MRL Exceedance | Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report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



# $H_2S$ in South Carolina

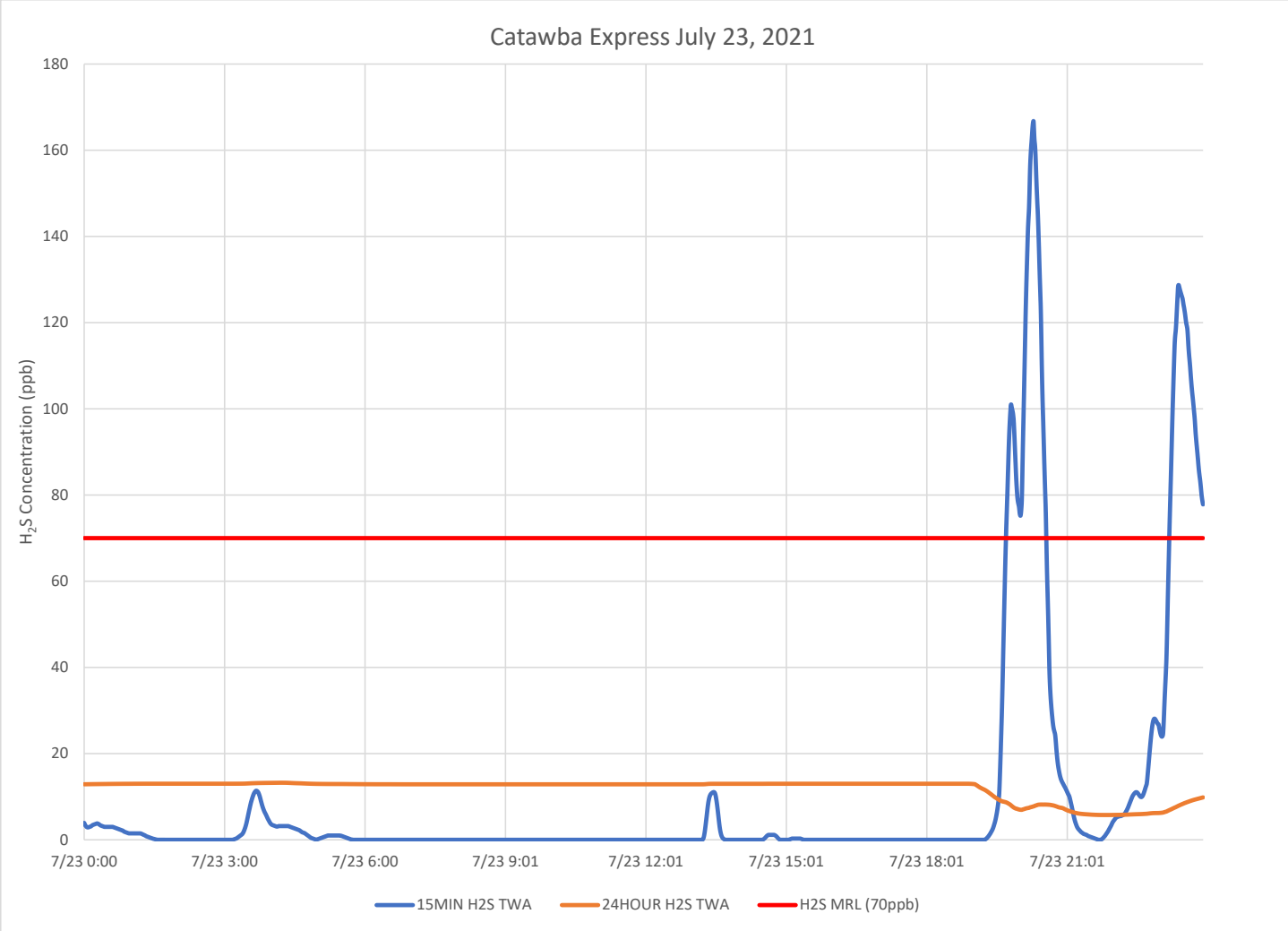
## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

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




Notes:

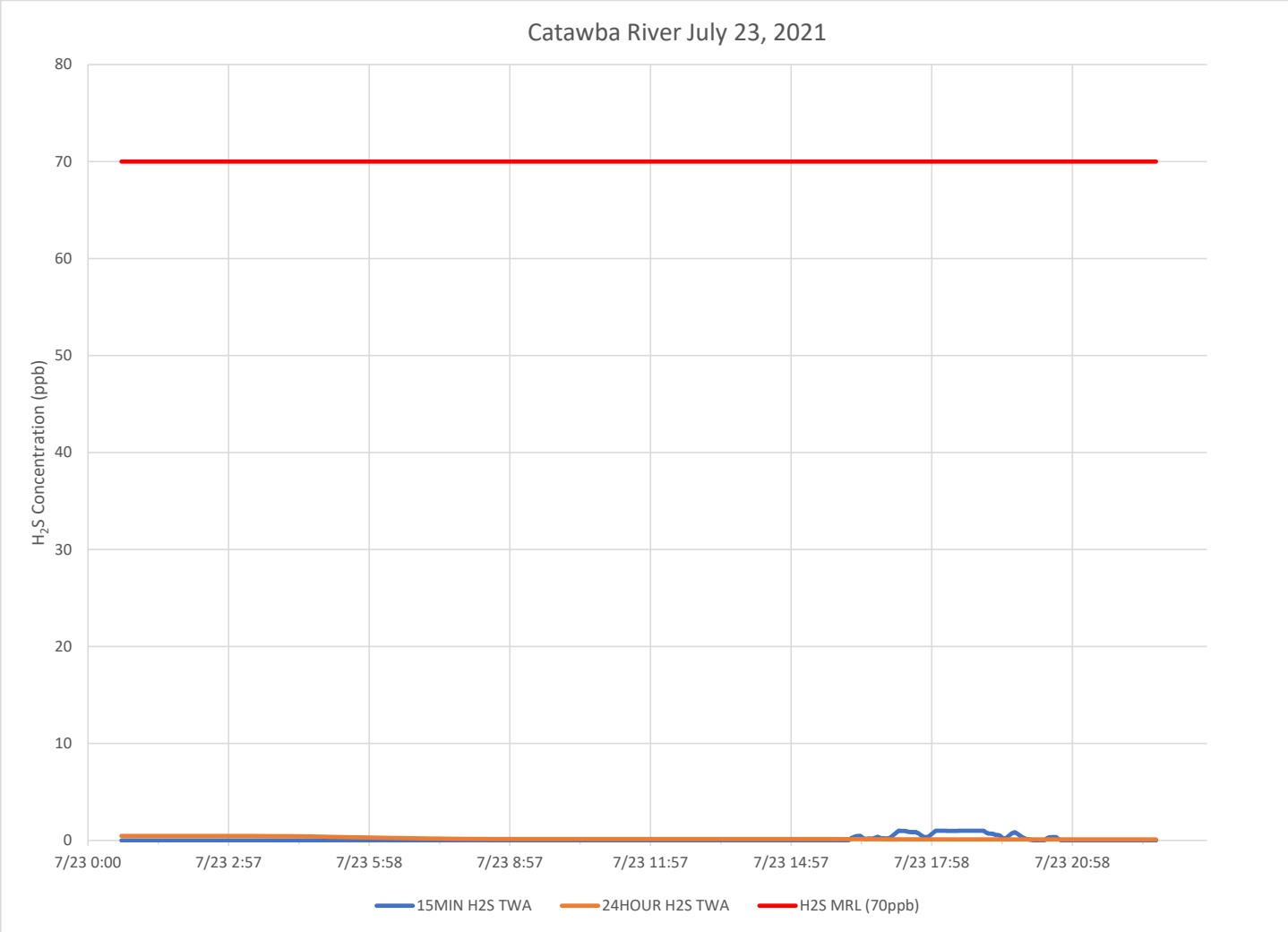
Time is Eastern Daylight Time
$H_2S$ – Hydrogen Sulfide
MIN – Minute
MRL – Minimal Risk Level
ppb – Parts per billion




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:

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$H_2S$ – Hydrogen Sulfide
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ppb – Parts per billion