Communication with the Catawba River site was lost at 3:43PM. If the missing data is recovered, this report will be reissued. The period average for that site represents the partial day.

# 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:*** **2/20/22 12:00 AM** ***To:*** **2/20/22 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 | 2880 | 0 | 0 - 0 ppb | 0 ppb | 70 ppb |

**Catawba River 0000-1543**

| Instrument | Analyte | ATSDR MRL Exceedance? | Number of Readings | Number of Detections | Concentration Range | Limited Period Average | ATSDR MRL |
|---|---|---|---|---|---|---|---|
| SPM Flex 3 | H2S | No | 1886 | 0 | 0 - 0 ppb | 0 ppb | 70 ppb |

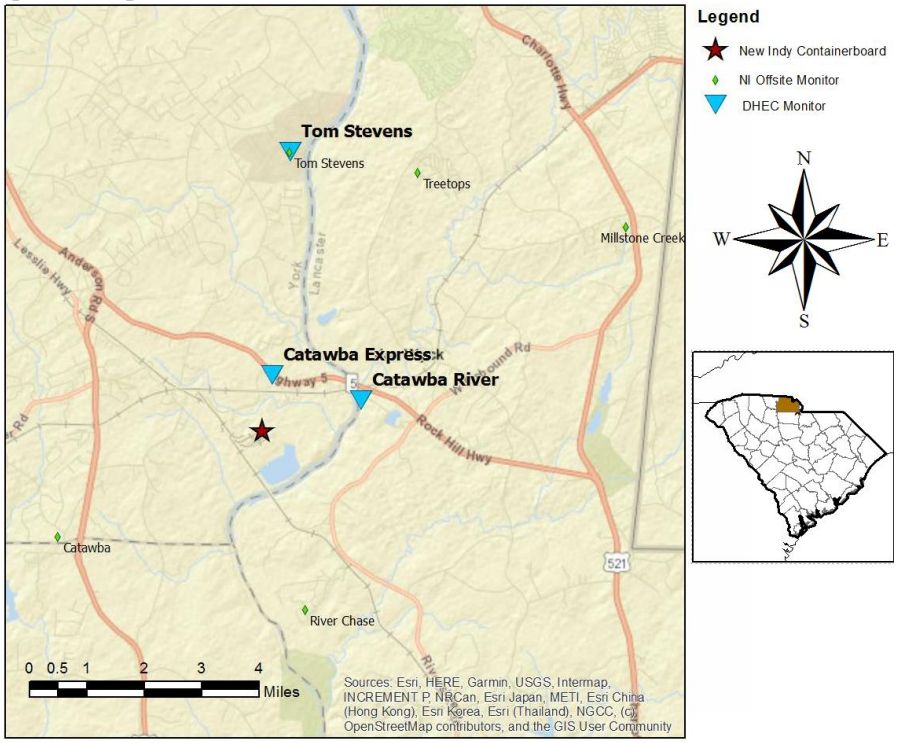
**Catawba Express**

| Instrument | Analyte | ATSDR MRL Exceedance? | Number of Readings | Number of Detections | Concentration Range | Period Average | ATSDR MRL |
|---|---|---|---|---|---|---|---|
| SPM Flex 2 | H2S | No | 2880 | 213 | 0 - 2 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. The SPM FLEX Minimum Detectable Limit (MDL) is 1 ppb of Hydrogen Sulfide.

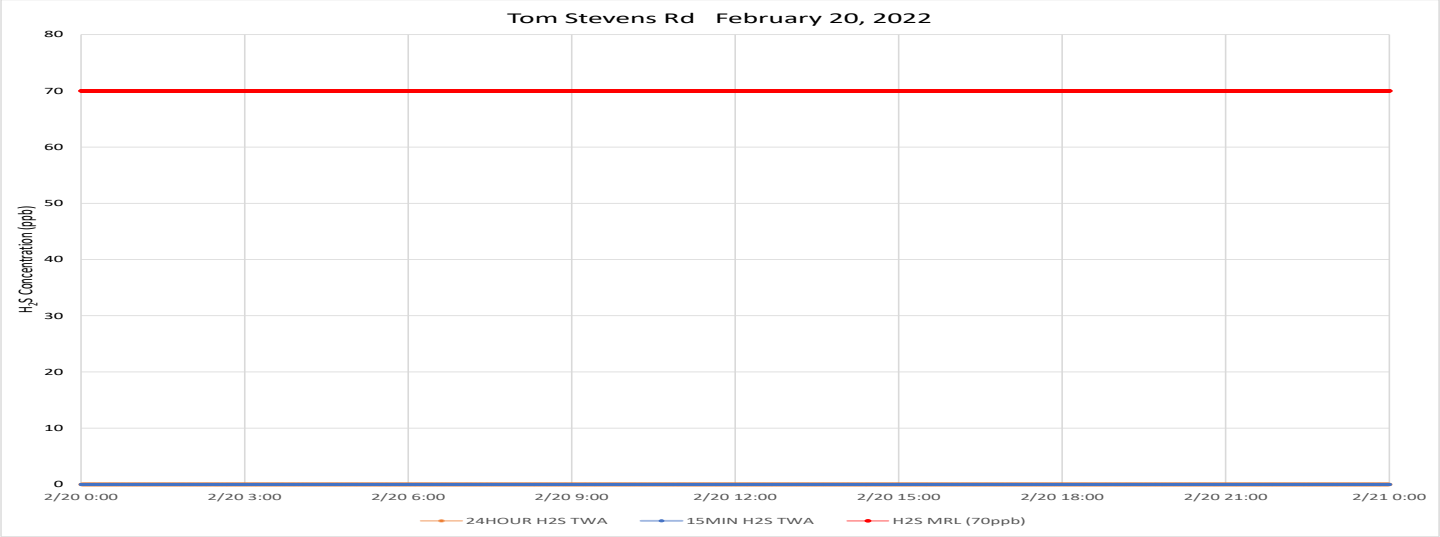
| | |
|---|---|
| ATSDR MRL | Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days) |
| $H_2S$ | Hydrogen Sulfide |
| hr | Hour |
| ppb | Parts per billion |
| MRL Exceedance | Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report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

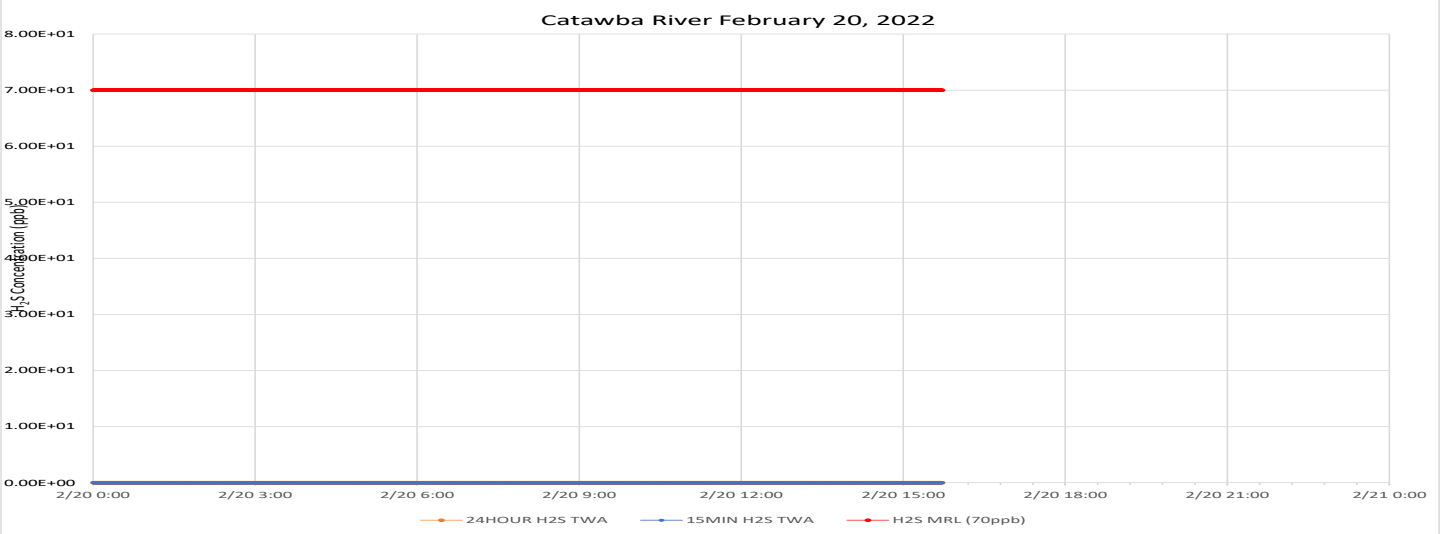


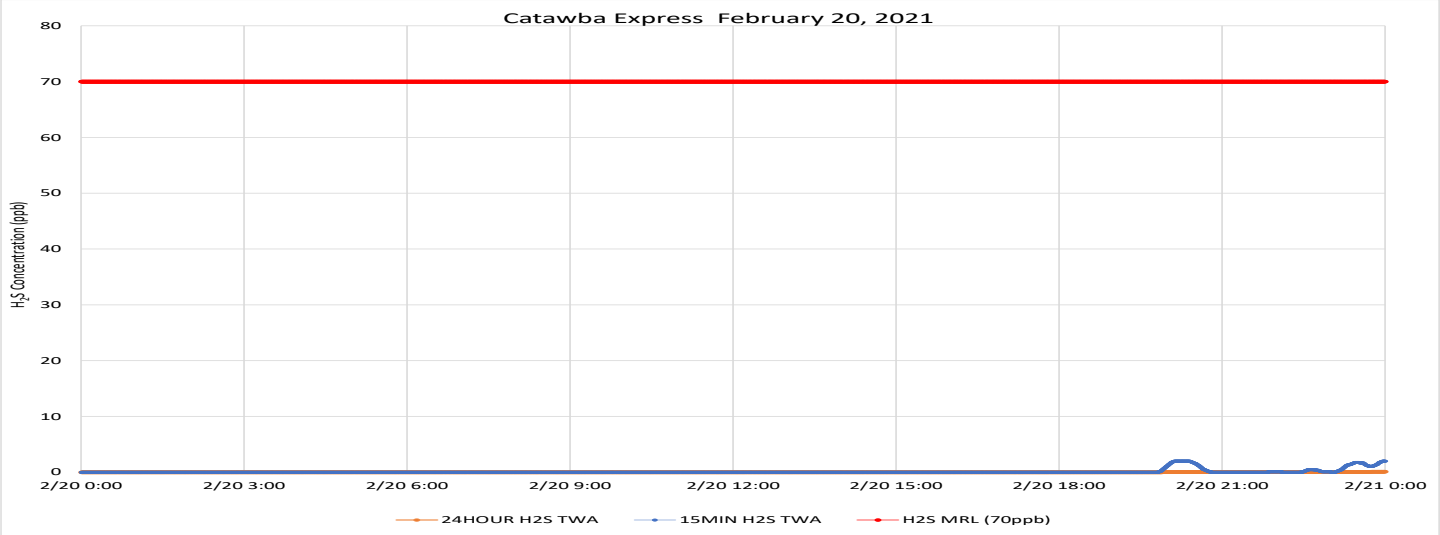
# $H_2S$ in South Carolina

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

Winds were variable and light to calm for much of the period. When detected, winds were from the north to northeast in the midmorning and from the south to south southwest in the late afternoon.




Notes: Time is Eastern Standard Time $H_2S$ – Hydrogen Sulfide MRL – Minimal Risk Level ppb – Parts per billion