Communication with the Tom Stevens and Catawba Express sites was interrupted for brief periods as indicated on the charts. Reported summary data is valid. If the unreported data is recovered, this report will be reissued.

### Air Monitoring Summary Tables

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

**Project Name:** H$_2$S in South Carolina

**From:** 4/13/22 12:00 AM  
**To:** 4/13/22 11:59 PM

#### Tom Stevens Rd

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H2S</td>
<td>No</td>
<td>2854</td>
<td>1317</td>
<td>0 - 10 ppb</td>
<td>2.1 ppb</td>
<td>70 ppb</td>
</tr>
</tbody>
</table>

#### Catawba River

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H2S</td>
<td>No</td>
<td>27548</td>
<td>833</td>
<td>0 - 2 ppb</td>
<td>0.05 ppb</td>
<td>70 ppb</td>
</tr>
</tbody>
</table>

#### Catawba Express

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 2</td>
<td>H2S</td>
<td>No</td>
<td>2858</td>
<td>1868</td>
<td>0 - 30 ppb</td>
<td>5.3 ppb</td>
<td>70 ppb</td>
</tr>
</tbody>
</table>

#### 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$_2$S**: 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

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![Map of South Carolina with monitoring sites marked](image_url)
H₂S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

During this period, winds were consistently from the south to southwest.

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