# Air Monitoring Summary Tables

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

**Project Name:** H₂S in South Carolina

**From:** 4/6/22 12:00 AM  
**To:** 4/6/22 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>2872</td>
<td>243</td>
<td>0 - 2 ppb</td>
<td>0.13 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>27465</td>
<td>12951</td>
<td>0 - 5 ppb</td>
<td>1.11 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>2872</td>
<td>780</td>
<td>0 - 11 ppb</td>
<td>0.6 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)

- **H₂S**  
  Hydrogen Sulfide

- **hr**  
  Hour

- **ppb**  
  Parts per billion

- **MDL 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 locations](image-url)  

Legend:
- New Indy Contamorboard
- NI Offsite Monitor
- DHEC Monitor

Sources: Esri HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Shanghai), Esri (Thailand), NGCC, GE, OpenStreetMap contributors, and the GIS User Community.
During this period winds shifted from west through west southwest to more from the southwest to south.

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