# 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: 5/1/22 12:00 AM  
To: 5/1/22 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>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>362</td>
<td>0 - 4 ppb</td>
<td>0.21 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>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>302</td>
<td>0 - 5 ppb</td>
<td>0.18 ppb</td>
<td>70 ppb</td>
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</tbody>
</table>

## Catawba Express

<table>
<thead>
<tr>
<th>Instrument</th>
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<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>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>1175</td>
<td>0 - 14 ppb</td>
<td>1.79 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**: Defined 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

---

![Map of South Carolina highlighting monitoring locations](image)
Winds were from the south southwest before daybreak, then calm for several hours, were from the southwest to west during the day, and became more from the south southwest again through the evening.

Notes: Time is Eastern Daylight Time  \( \text{H}_2\text{S} \) – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/2/22 12:00 AM
**To:** 5/2/22 11:59 PM

### Tom Stevens Rd

<table>
<thead>
<tr>
<th>Instrument</th>
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<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>2880</td>
<td>45</td>
<td>0 - 2 ppb</td>
<td>0.02 ppb</td>
<td>70 ppb</td>
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</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>2880</td>
<td>679</td>
<td>0 - 4 ppb</td>
<td>0.39 ppb</td>
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### Catawba Express

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<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>2881</td>
<td>789</td>
<td>0 - 5 ppb</td>
<td>0.55 ppb</td>
<td>70 ppb</td>
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</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
- **MRL Exceedance** Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report

**Legend:**

- New Indy Containerboard
- N Ofc EME Monitor
- DHEC Monitor

---

*Source:* Esri, HERE, Garmin, USGS Intermap, ICBC, Meti, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c)
OpenStreetMap contributors, and the GIS User Community
Winds were from the south southwest through late morning, shifted to from the west southwest to west during the day, and became more from the southwest through the evening.
## 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

<table>
<thead>
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<th>From:</th>
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</thead>
<tbody>
<tr>
<td>To:</td>
<td>5/3/22 11:59 PM</td>
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### Tom Stevens Rd

<table>
<thead>
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<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>
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<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>1025</td>
<td>0 - 7 ppb</td>
<td>0.91 ppb</td>
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### Catawba River

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<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
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<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>182</td>
<td>0 - 4 ppb</td>
<td>0.09 ppb</td>
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### Catawba Express

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<td>1155</td>
<td>0 - 23 ppb</td>
<td>2.04 ppb</td>
<td>70 ppb</td>
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</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
- **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
Winds were from the southwest through midmorning, shifted to from the west southwest to west northwest during the day, and became more from the south to south southwest for the evening.

Notes: Time is Eastern Daylight Time  \( \text{H}_2\text{S} \) – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/4/22 12:00 AM  
**To:** 5/4/22 11:59 PM

## Tom Stevens Rd

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<th>Instrument</th>
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<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
</thead>
<tbody>
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<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>135</td>
<td>0 - 2 ppb</td>
<td>0.06 ppb</td>
<td>70 ppb</td>
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## Catawba River

<table>
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<th>Analyte</th>
<th>AT SDR 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>
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<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>313</td>
<td>0 - 3 ppb</td>
<td>0.22 ppb</td>
<td>70 ppb</td>
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## Catawba Express

<table>
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<th>Instrument</th>
<th>Analyte</th>
<th>AT SDR 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>2880</td>
<td>708</td>
<td>0 - 5 ppb</td>
<td>0.44 ppb</td>
<td>70 ppb</td>
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</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

**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
- Nil Ofiste Monitor
- DHEC Monitor

*Sources: Esri, HERE, Garmin, USGS, Intermap, Increment P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community*
Winds at the beginning of the period were from the southwest, shifted to from the west northwest by early evening and became calm in the late evening.
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:** 5/5/22 12:00 AM  
**To:** 5/5/22 11:59 PM

### Tom Stevens Rd

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
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<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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 ppb</td>
<td>70 ppb</td>
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### Catawba River

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<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>
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<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>59</td>
<td>0 - 1 ppb</td>
<td>0.02 ppb</td>
<td>70 ppb</td>
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### Catawba Express

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<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>
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<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>28</td>
<td>0 - 1 ppb</td>
<td>0.01 ppb</td>
<td>70 ppb</td>
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</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

**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
- Well Field Monitor
- DHEC Monitor

Map: Source: Esri, HERE, Garmin,USGS, IntuitMap

This map is intended for illustrative purposes only. It does not purport to be a map, chart, or orthophoto. The map may be contains errors, misrepresentation, or may be unavailable. DHEC expressly disclaims all liability for use of the map and any related information.
H$_2$S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

Winds were light and variable throughout the period, but when detectable, were from the north northeast to northeast in the morning, northwest to north early afternoon, and from the east southeast to southeast in the evening.
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:**
5/6/22
12:00 AM

**To:**
5/6/22
11:59 PM

<table>
<thead>
<tr>
<th>Tom Stevens Rd</th>
<th>Instrument</th>
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<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>2880</td>
<td>36</td>
<td>0 - 1 ppb</td>
<td>0.01 ppb</td>
<td>70 ppb</td>
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<table>
<thead>
<tr>
<th>Catawba River</th>
<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>2880</td>
<td>546</td>
<td>0 - 7 ppb</td>
<td>0.56 ppb</td>
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<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>
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<tbody>
<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>972</td>
<td>0 - 10 ppb</td>
<td>1.14 ppb</td>
<td>70 ppb</td>
<td></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
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
H₂S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

Winds were light and variable in the morning, but when detectable, were from the southeast to south in the morning. Winds freshened midday and were from the south to west southwest for the remainder of the period.

Notes: Time is Eastern Daylight Time  H₂S – Hydrogen Sulfide  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:** H₂S in South Carolina

<table>
<thead>
<tr>
<th>From: 5/7/22 12:00 AM</th>
<th>To: 5/7/22 11:59 PM</th>
</tr>
</thead>
</table>

### Tom Stevens Rd

<table>
<thead>
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<th>Instrument</th>
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<th>Number of Readings</th>
<th>Number of Detections</th>
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<td>SPM Flex 1</td>
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<td>0</td>
<td>0 - 0 ppb</td>
<td>0 ppb</td>
<td>70 ppb</td>
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</tbody>
</table>

### Catawba River

<table>
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<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
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</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>1123</td>
<td>0 - 7 ppb</td>
<td>1.1 ppb</td>
<td>70 ppb</td>
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### Catawba Express

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
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<tbody>
<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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
- **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
- Air Offsite Monitor
- DHEC Monitor

---

**Sources:** Esri, HERE, Garmin, USGS, Intermap, NRCMap, NRC, Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, Get OpenStreetMap contributors, and the ODbL User Community
Wind direction shifted as the day progressed, coming from the west southwest early, through the west and northwest, and ending the period coming from the north to northeast.
## 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:** 5/8/22 12:00 AM  
**To:** 5/8/22 11:59 PM

<table>
<thead>
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<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
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</thead>
<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 ppb</td>
<td>70 ppb</td>
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<table>
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<tr>
<th>Catawba River</th>
<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>
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<tr>
<td>SPM Flex 3</td>
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<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
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<th>ATSDR MRL</th>
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<tbody>
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<td>SPM Flex 2</td>
<td>H₂S</td>
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</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
- **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

### Diagram

The diagram shows the locations of Tom Stevens, Catawba Express, and Catawba River with markers for monitoring stations.
Wind direction was consistent throughout the day, coming from the north northeast to northeast.

Notes: Time is Eastern Daylight Time  \( \text{H}_2\text{S} \) – Hydrogen Sulfide  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: H₂S in South Carolina

<table>
<thead>
<tr>
<th>Location</th>
<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>
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<td>Catawba Express</td>
<td>SPM Flex 2</td>
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<td>No</td>
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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
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
- All Offsite Monitor
- DHEC Monitor

Source: Esri, HERE, Garmin, USGS, Intuitmap, INCREMENT P, NRCan, Esri Japan, METI, Esri China, (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c)
OpenStreetMap contributors, and the ODb User Community
H$_2$S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

Wind direction shifted slightly during the period, starting from the northeast to east northeast to more from the north to northeast as the day progressed.

Notes: Time is Eastern Daylight Time  H$_2$S – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/10/22 12:00 AM  
**To:** 5/10/22 11:59 PM

## Tom Stevens Rd

<table>
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<th>Concentration Range</th>
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<th>ATSDR MRL</th>
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<td>0 ppb</td>
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## Catawba River

<table>
<thead>
<tr>
<th>Instrument</th>
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<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
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<th>Concentration Range</th>
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<th>ATSDR MRL</th>
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## Catawba Express

<table>
<thead>
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<th>Number of Readings</th>
<th>Number of Detections</th>
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<tbody>
<tr>
<td>SPM Flex 2</td>
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</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
- **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

---

![Map of South Carolina with monitoring locations]
Winds were calm in the early morning. During the day and evening, winds were from the north to north northeast.
Communication with each site was interrupted for a short period in the early morning of 3/11. The period of interruption is indicated on the charts. The reported period average for each site is valid.

### 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:** 5/11/22 12:00 AM  
**To:** 5/11/22 11:59 PM

### Tom Stevens Rd

<table>
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<tr>
<th>Instrument</th>
<th>Analyte</th>
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<th>Number of Detections</th>
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### Catawba River

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### Catawba Express

<table>
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**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.

- **ATSIR MRL** Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
- **H₂S** 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 home (in yellow)
- Old home (in red)
- Monitoring station (in blue)
- DHEC Monitor

---

**Map**

- Tom Stevens
- Catawba Express
- Catawba River

---

**Distance**

- 0.0 0.5 1 2 3 4 Miles

---

**Sources**

- EPA (H4002), Intermap (INTERMAP Project), ArcGIS, EPA (Landcover), EPD (Water), ESRI, USGS, NASA, DHEC.

---

**Acknowledgments**

- Developed by: [developers]
- Distributed by: [disclaimer]
Winds were from the north to north northeast throughout the period.
# 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

### Tom Stevens Rd

<table>
<thead>
<tr>
<th>Instrument</th>
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<th>AT SDR MRL Exceedance?</th>
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### Catawba River

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### Catawba Express

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**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
- **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
- 🌟 SC Offsite Monitor
- 🌟 DHEC Monitor

Sources: Esri, HERE, Garmin, USGS, Intermap
INCIDENT # NRC, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, RMI
OpenStreetMap contributors, and the ODbL User Community
H₂S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

Winds were from the northeast throughout the period.

Notes:
- Time is Eastern Daylight Time
- H₂S – Hydrogen Sulfide
- 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: H₂S in South Carolina

From: 5/13/22 12:00 AM
To: 5/13/22 11:59 PM

### Tom Stevens Rd

<table>
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<th>Instrument</th>
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<th>Number of Readings</th>
<th>Number of Detections</th>
<th>Concentration Range</th>
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<td>SPM Flex 1</td>
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<td>0 - 0 ppb</td>
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### Catawba River

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<tr>
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### Catawba Express

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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
MRL Exceedence: 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
Winds were light to calm throughout the period. When detectable, winds were primarily from the north northeast to east northeast.
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:** 5/14/22 12:00 AM  
**To:** 5/14/22 11:59 PM

### Tom Stevens Rd

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### Catawba River

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<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
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<th>ATSDR MRL</th>
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### Catawba Express

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**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
- **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

---

![Map of South Carolina with monitoring locations marked](image.png)
Winds were mostly calm to light throughout the period. When detectable, winds were from the northwest to west.
# 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:** 5/15/22 12:00 AM  
**To:** 5/15/22 11:59 PM

## Tom Stevens Rd

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<th>Number of Detectors</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
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## Catawba River

<table>
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<th>Instrument</th>
<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detectors</th>
<th>Concentration Range</th>
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<th>ATSDR MRL</th>
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## Catawba Express

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**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
- **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

[Map of South Carolina with locations marked: Tom Stevens, Catawba Express, Catawba River]
Winds were calm early morning and late evening. When detectable, winds were from the south southwest to west northwest.
# 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:** 5/16/22

**To:** 5/16/22

**12:00 AM**

**11:59 PM**

---

## Tom Stevens Rd

<table>
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<th>Instrument</th>
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<th>Number of Readings</th>
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<th>Period Average</th>
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<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>210</td>
<td>0 - 4 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>AT SDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>AT SDR MRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>751</td>
<td>0 - 6 ppb</td>
<td>0.46 ppb</td>
<td>70 ppb</td>
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</tbody>
</table>

## Catawba Express

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Analyte</th>
<th>AT SDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of detections</th>
<th>Concentration Range</th>
<th>Period Average</th>
<th>AT SDR MRL</th>
</tr>
</thead>
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<tr>
<td>SPM Flex 2</td>
<td>H$_2$S</td>
<td>No</td>
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<td>490</td>
<td>0 - 7 ppb</td>
<td>0.34 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

---

**Legend:**

- ⭐ New Indy Containerboard
- 🟢 NI Offsite Monitor
- 🔵 DHEC Monitor

**Sources:** Esri, HERE, Garmin, USGS, Intermap, INCREMENT, NPS, USGS, USGS, Meti, Esri China (Hong Kong) Ltd., Esri Japan, Esri (Thailand), NGC, IGI, OpenStreetMap contributors, and the GIS User Community

---

**Map:**

- Location of Tom Stevens, Catawba River, and Catawba Express.
Winds were calm early morning. As the day progressed, winds shifted from coming from the southwest, through the northwest, ending the period coming from the northeast.
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:** 5/17/22 12:00 AM
**To:** 5/17/22 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>
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<td>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 ppb</td>
<td>70 ppb</td>
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</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>
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<td>194</td>
<td>0 - 4 ppb</td>
<td>0.12 ppb</td>
<td>70 ppb</td>
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### Catawba Express

<table>
<thead>
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<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
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<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
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<tbody>
<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>58</td>
<td>0 - 4 ppb</td>
<td>0.06 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.

**Legend:**
- New Indy Containerboard
- NL Offsite Monitor
- DHEC Monitor

---

**Abbreviations:**
- **ATSMD MRL**: Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
- **H₂S**: 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
Winds were calm in the morning and light throughout the period. When detected, winds were from the north northeast to east northeast before noon and from the southwest to west the remainder of the period.
Power at the Catawba express site was interrupted for approximately 2 hours in the morning of 5/18. The period of interruption is indicated on the site chart. The reported period average for the site is valid.

## 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

### 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>2880</td>
<td>711</td>
<td>0 - 6 ppb</td>
<td>0.56 ppb</td>
<td>70 ppb</td>
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</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>
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<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>451</td>
<td>0 - 10 ppb</td>
<td>0.5 ppb</td>
<td>70 ppb</td>
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</table>

### Catawba Express 0000-0836, 104B-2359

<table>
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<th>Analyte</th>
<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
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<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>3213</td>
<td>1776</td>
<td>0 - 50 ppb</td>
<td>4.94 ppb</td>
<td>70 ppb</td>
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</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
- **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
Winds were calm to light during the period. After noon, wind was generally from the south to southwest.

Notes: Time is Eastern Daylight Time  H$_2$S – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/19/22 12:00 AM  
**To:** 5/19/22 11:59 PM

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<th>Concentration Range</th>
<th>Period Average</th>
<th>ATSDR MRL</th>
</tr>
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<tbody>
<tr>
<td>Tom Stevens Rd</td>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>105</td>
<td>0 - 5 ppb</td>
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<tr>
<td></td>
<td>SPM Flex 3</td>
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<td>2880</td>
<td>1440</td>
<td>0 - 10 ppb</td>
<td>1.11 ppb</td>
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<td></td>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>10</td>
<td>0 - 1 ppb</td>
<td>0 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.

**Legend:**
- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

**Abbreviations:**
- 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
- 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

![Map of South Carolina with monitoring locations indicated](image-url)
**H₂S in South Carolina**

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

Winds were from the south southwest in the morning and late evening and from the west southwest to west northwest during the day.

Notes: Time is Eastern Daylight Time  H₂S – Hydrogen Sulfide  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: H₂S in South Carolina

From: 5/20/22
12:00 AM
To: 5/20/22
11:59 PM

<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>
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<tbody>
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<td></td>
</tr>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>295</td>
<td>0 - 5 ppb</td>
<td>0.22 ppb</td>
<td>70 ppb</td>
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</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>
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<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>3733</td>
<td>753</td>
<td>0 - 10 ppb</td>
<td>0.65 ppb</td>
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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>2880</td>
<td>138</td>
<td>0 - 4 ppb</td>
<td>0.06 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
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

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, Nexant, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, GSI, OpenStreetMap contributors, and the CE User Community
Winds were from the southwest to the west southwest throughout the period.

Notes: Time is Eastern Daylight Time  H₂S – Hydrogen Sulfide  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:** H₂S in South Carolina

<table>
<thead>
<tr>
<th>From:</th>
<th>To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/21/22 12:00 AM</td>
<td>5/21/22 11:59 PM</td>
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</tbody>
</table>

## 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>
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<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>696</td>
<td>0 - 6 ppb</td>
<td>0.46 ppb</td>
<td>70 ppb</td>
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</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>
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<tbody>
<tr>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>582</td>
<td>0 - 17 ppb</td>
<td>0.39 ppb</td>
<td>70 ppb</td>
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</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>
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<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>1082</td>
<td>0 - 9 ppb</td>
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</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

**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
H₂S in South Carolina
Hydrogen Sulfide 15-min and 24-hr Time Weighted Average Graphs

Winds were from the south in the morning and evening and from the south southwest to the west southwest during most of the day.

Notes: Time is Eastern Daylight Time  H₂S – Hydrogen Sulfide  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:** H₂S in South Carolina

<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>
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<tbody>
<tr>
<td>Tom Stevens Rd</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>143</td>
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<tr>
<td>Catawba River</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPM Flex 3</td>
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<td>No</td>
<td>2880</td>
<td>532</td>
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<td>70 ppb</td>
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<tr>
<td>Catawba Express</td>
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<tr>
<td>SPM Flex 2</td>
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<td>No</td>
<td>2880</td>
<td>234</td>
<td>0 - 5 ppb</td>
<td>0.24 ppb</td>
<td>70 ppb</td>
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</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.

**Legend:**

- **New Indy Containerboard**
- **NI Offsite Monitor**
- **DHEC Monitor**

**Source:** Esri, HERE, Garmin, USGS, Intermap.

**Increment:** NRCan, Esri Japan, METI, Esri China (Fujie Gong), Esri Korea, Esri (Thailand), INEGI, iDe.

**OpenStreetMap contributors, and the Community**
Winds were from the south southwest to west southwest through the day and early evening. There was a shift to winds coming from the north in the late evening.
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:** 5/23/22 12:00 AM  
**To:** 5/23/22 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>2880</td>
<td>131</td>
<td>0 - 2 ppb</td>
<td>0.06 ppb</td>
<td>70 ppb</td>
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### Catawba River

<table>
<thead>
<tr>
<th>Instrument</th>
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<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>
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<td>SPM Flex 3</td>
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<td>200</td>
<td>0 - 19 ppb</td>
<td>0.26 ppb</td>
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### Catawba Express

<table>
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<th>Instrument</th>
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<th>ATSDR MRL Exceedance?</th>
<th>Number of Readings</th>
<th>Number of Detections</th>
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<th>Period Average</th>
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<tbody>
<tr>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2879</td>
<td>847</td>
<td>0 - 7 ppb</td>
<td>0.53 ppb</td>
<td>70 ppb</td>
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</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.

**Legend:**

- ![New Indy Containerboard](image)
- ![Ni Offsite Monitor](image)
- ![DHEC Monitor](image)

**Definitions:**

- **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
- **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
Winds were calm to light for the first half of the period. After midafternoon, winds were light and mostly from the southeast to south.
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:** 5/24/22 12:00 AM  
**To:** 5/24/22 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>79</td>
<td>0 - 4 ppb</td>
<td>0.09 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>2880</td>
<td>144</td>
<td>0 - 2 ppb</td>
<td>0.08 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
- **MRSL 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

Map: Carolina Map with locations marked as points of interest.
Winds were light throughout the period, coming from the south to south west until daybreak and from the north northwest to northeast for the remainder of the period.
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:** 5/25/22 12:00 AM  
**To:** 5/25/22 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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

**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 Offshore Monitor
- DHEC Monitor

---

**Sources:** Foil, HRDDE, Garnet, USGS, Infranet, INCREMENT 9, NBCan, Esk Japan, METI, Eni China, Hong Kong, Eni Italy, Eni (Thailand), NGCSC, SC OpenStreetMap contributors, and the CSL User Community
Winds were light and variable throughout the period. When direction was detected, it indicated movement was generally from the east northeast.

Notes: Time is Eastern Daylight Time  H$_2$S – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/26/22 12:00 AM  
**To:** 5/26/22 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>1430</td>
<td>0 - 4 ppb</td>
<td>0.82 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.

**Legend:**

- New Indy Containerboard
- NI Offsite Monitor
- DHEC Monitor

**Definitions:**

- **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
- **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

**Sources:** Esri, HERE, Garmin, USGS, Intermap, INCREMENT, NRCan, Esri Japan, METI, Esri China, Hong Kong, Esri Réunion, Esri (Thailand), NGCC (SC), OpenStreetMap contributors, and the CGI User Community.
Winds were calm to light and variable throughout the period. After noon, when direction was detected, it indicated movement was generally from the south southeast to south.
# 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:** 5/27/22 12:00 AM  
**To:** 5/27/22 11:59 PM

<table>
<thead>
<tr>
<th>Location</th>
<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>Tom Stevens Rd</td>
<td>SPM Flex 1</td>
<td>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>284</td>
<td>0 - 2 ppb</td>
<td>0.16 ppb</td>
<td>70 ppb</td>
</tr>
<tr>
<td>Catawba River</td>
<td>SPM Flex 3</td>
<td>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>569</td>
<td>0 - 16 ppb</td>
<td>0.7 ppb</td>
<td>70 ppb</td>
</tr>
<tr>
<td>Catawba Express</td>
<td>SPM Flex 2</td>
<td>H$_2$S</td>
<td>No</td>
<td>2880</td>
<td>710</td>
<td>0 - 9 ppb</td>
<td>1 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

---

![Map](image)
Winds were from the south until sunrise, shifting to coming from the south southwest to west southwest for the remainder of the period.
Communications with the Tom Stevens Road site was lost approx. 12:30 AM and restored by a remote system reboot about 10 AM. The reported period average for that site only represents the period the system was collecting data and is not a valid 24-Hour average.

### Air Monitoring Summary Tables

**Project Name:** H₂S in South Carolina

| From: | 5/28/22 | To: | 5/28/22
| 12:00 AM | 11:59 PM |

#### Tom Stevens Rd 0000-0032, 1002-2359

<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>Partial Period Average</th>
<th>ATSDR MRL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>1743</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2880</td>
<td>169</td>
<td>0 - 3 ppb</td>
<td>0.09 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>2881</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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
- **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
Winds were calm to light throughout the period. When detected, winds came from the northwest to east northeast.

Notes: Time is Eastern Daylight Time  H$_2$S – Hydrogen Sulfide  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:** H₂S in South Carolina

**From:** 5/29/22 12:00 AM  
**To:** 5/29/22 11:59 PM

### Tom Stevens Rd

<table>
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<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>2880</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>3733</td>
<td>0</td>
<td>0 - 0 ppb</td>
<td>0 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>2879</td>
<td>246</td>
<td>0 - 17 ppb</td>
<td>0.64 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

**MRIL 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**

---

**Map**

- Tom Stevens
- Catawba River
- Catawba Express

---

**Sources:** Esri, HERE, Garmin, USGS, Intermap, INCREMENT, INCREMENT P, IGN, Esri Japan, METI, Esri (Thailand), Esri (Hong Kong), Esri (Australia), Esri (New Zealand), NGCC, Geomatics Information Ontario, Esri (United Arab Emirates), Esri (Indonesia), Esri China (Shanghai), Esri (South Korea), Esri (Japan), MIM, OpenStreetMap contributors, and the GIS User Community
Winds were mostly calm throughout the period. When winds were light and direction was detected, winds came from the north to east northeast.
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

<table>
<thead>
<tr>
<th>From: 5/30/22 12:00 AM</th>
<th>To: 5/30/22 11:59 PM</th>
</tr>
</thead>
</table>

<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>Tom Stevens Rd</td>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>191</td>
<td>0 - 5 ppb</td>
<td>0.17 ppb</td>
</tr>
<tr>
<td>Catawba River</td>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>3733</td>
<td>92</td>
<td>0 - 3 ppb</td>
<td>0.04 ppb</td>
</tr>
<tr>
<td>Catawba Express</td>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2881</td>
<td>1970</td>
<td>0 - 21 ppb</td>
<td>2.86 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.

<table>
<thead>
<tr>
<th>ATSDR MRL</th>
<th>Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (&lt;14 days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂S</td>
<td>Hydrogen Sulfide</td>
</tr>
<tr>
<td>hr</td>
<td>Hour</td>
</tr>
<tr>
<td>ppb</td>
<td>Parts per billion</td>
</tr>
<tr>
<td>MRL Exceedance</td>
<td>Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report</td>
</tr>
<tr>
<td>SPM</td>
<td>Single Point Monitor</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
</tbody>
</table>

[Map of South Carolina with locations marked]
Winds were calm to very light throughout the period. When wind direction was detected, wind direction ranged from the north northwest through east northeast to south southwest.
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

<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>Tom Stevens Rd</td>
<td>SPM Flex 1</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>324</td>
<td>0 - 17 ppb</td>
<td>0.54 ppb</td>
</tr>
<tr>
<td>Catawba River</td>
<td>SPM Flex 3</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>1036</td>
<td>0 - 28 ppb</td>
<td>1.58 ppb</td>
</tr>
<tr>
<td>Catawba Express</td>
<td>SPM Flex 2</td>
<td>H₂S</td>
<td>No</td>
<td>2880</td>
<td>1076</td>
<td>0 - 17 ppb</td>
<td>2.13 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
- **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
- NM Offsite Monitor
- DHEC Monitor
Winds were mostly calm to very light throughout the period. When wind direction was detected, winds were coming from the south southwest to west northwest.