There was an interruption in data received from the Tom Stevens site starting 6/30 and extending into the morning of 7/1. The period average in the table for that site represents only the period indicated in the table and graph.

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: **7/1/22 12:00 AM** ***To:*** **7/1/22 11:59 PM**

Tom Stevens Rd 0912 - 2399

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Partial Period Average	ATSDR MRL
SPM Flex 1	H2S	No	1775	52	0 - 2 ppb	0.05 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

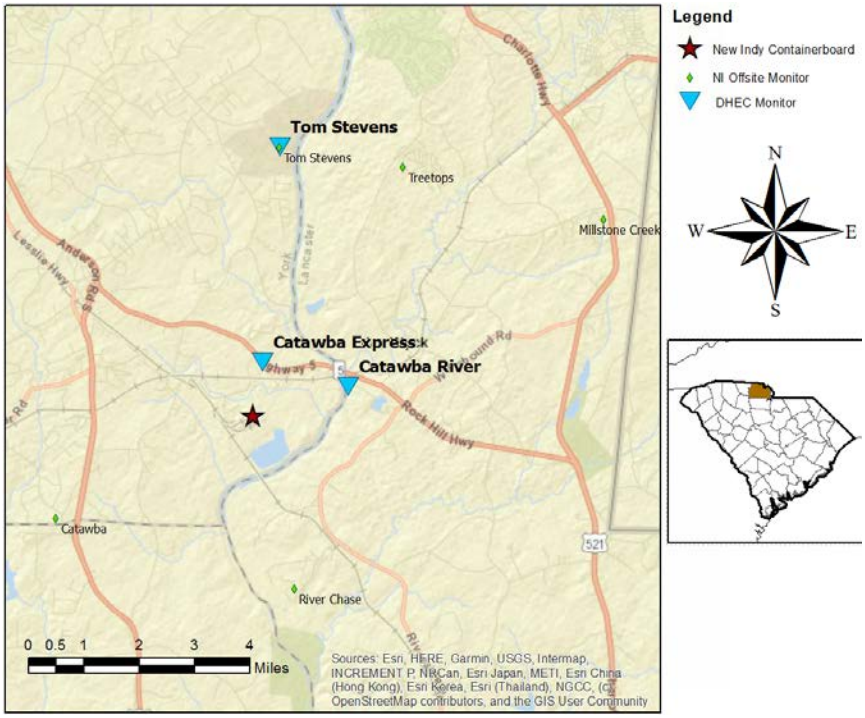
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	1648	0 - 10 ppb	1.73 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.

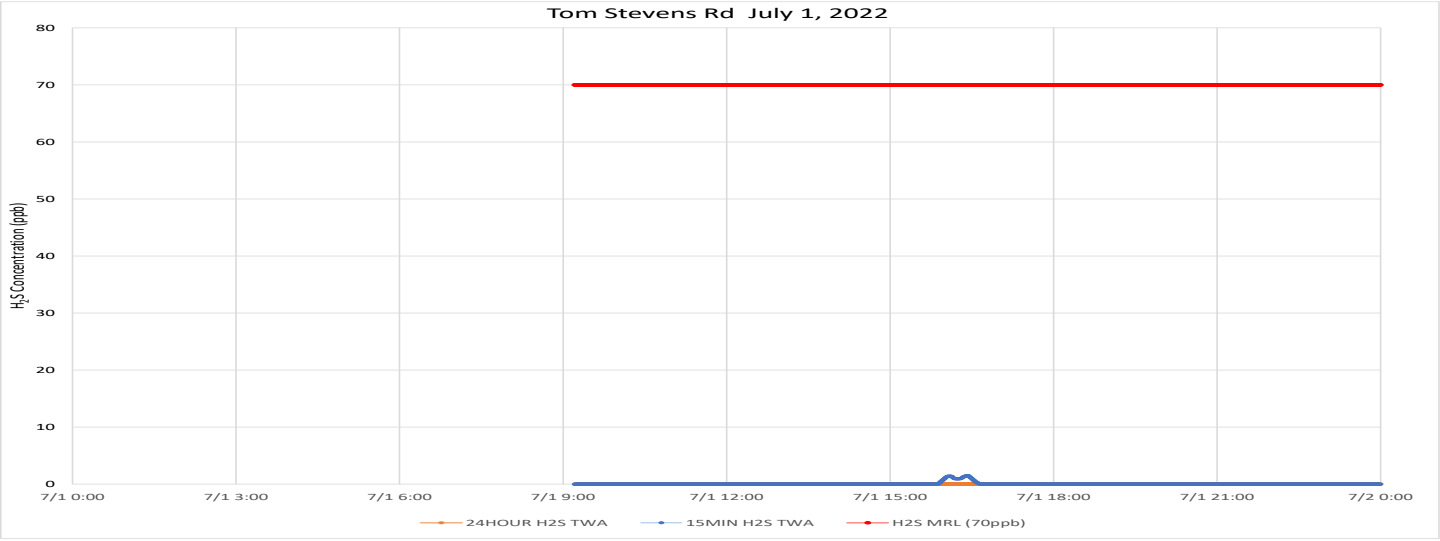
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

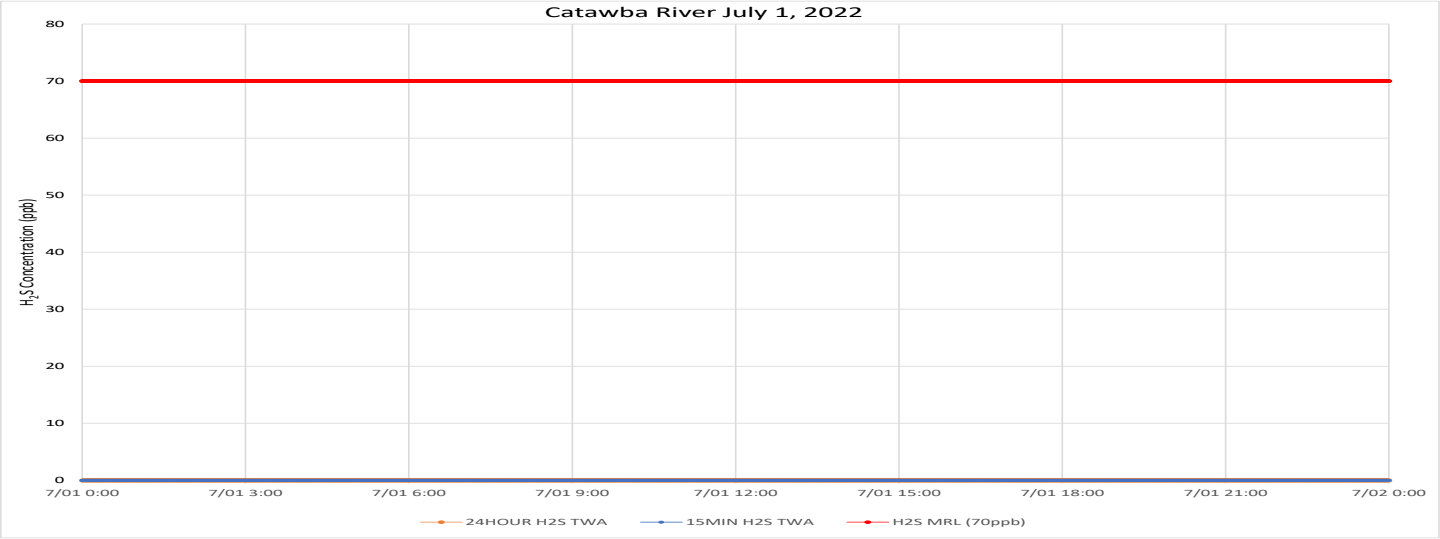


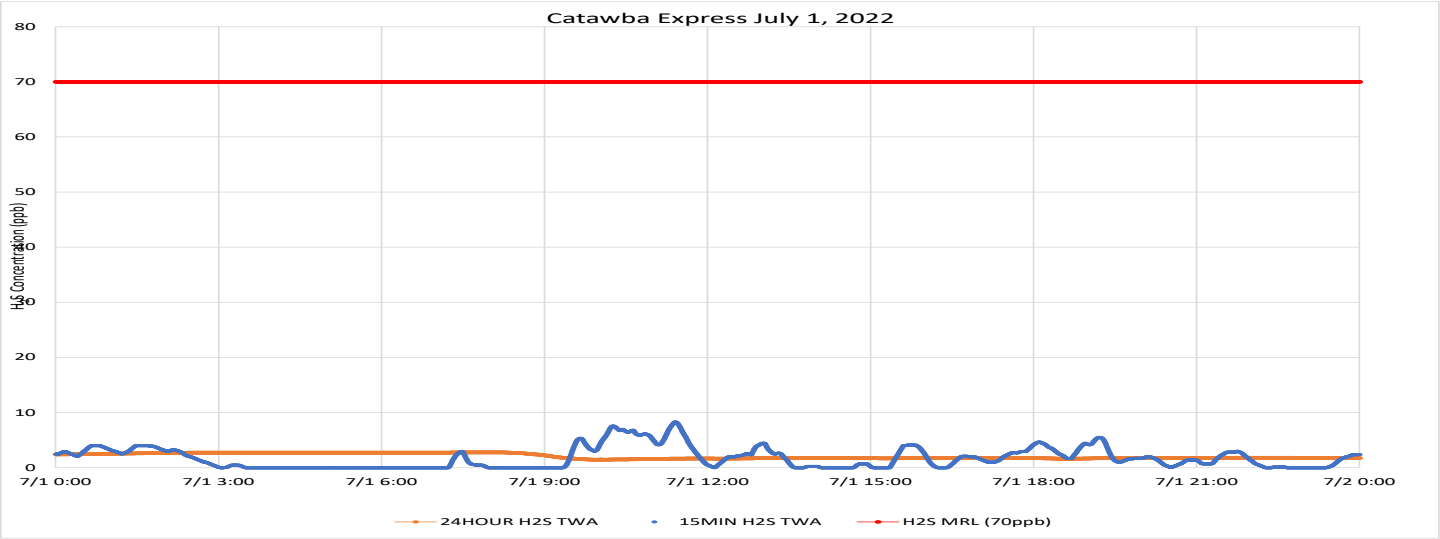
H_2S in South Carolina

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

Winds were calm through daybreak, intermittently during the day, and in the late evening. When detected, winds were from southeast to south southwest.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/2/22 12:00 AM** ***To:*** **7/2/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	594	0 - 4 ppb	0.32 ppb	70 ppb

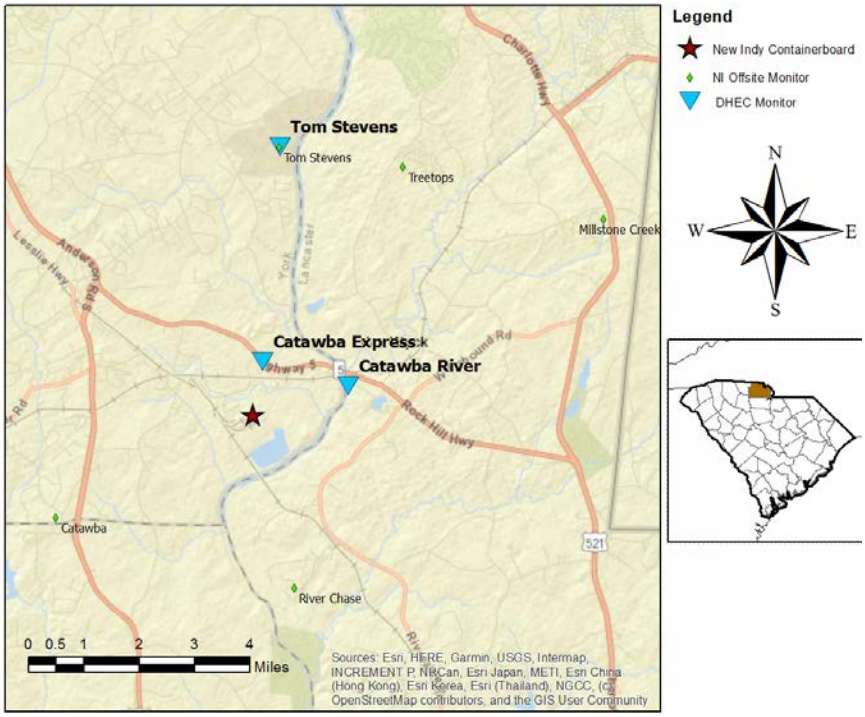
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	158	0 - 2 ppb	0.07 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.

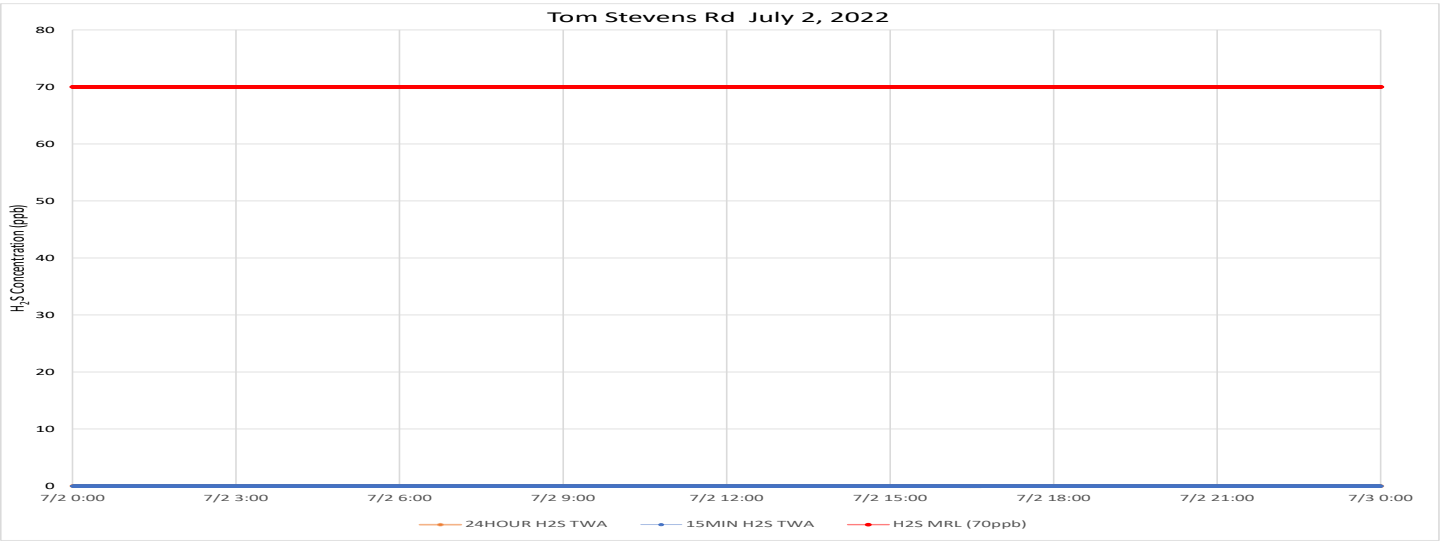
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

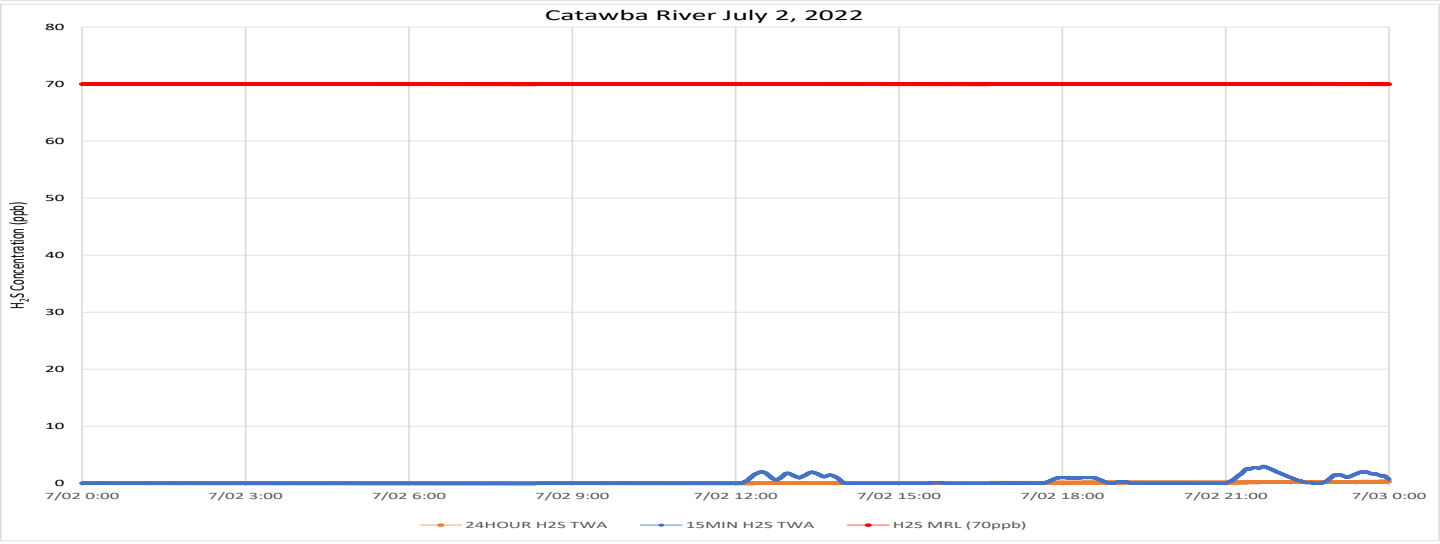


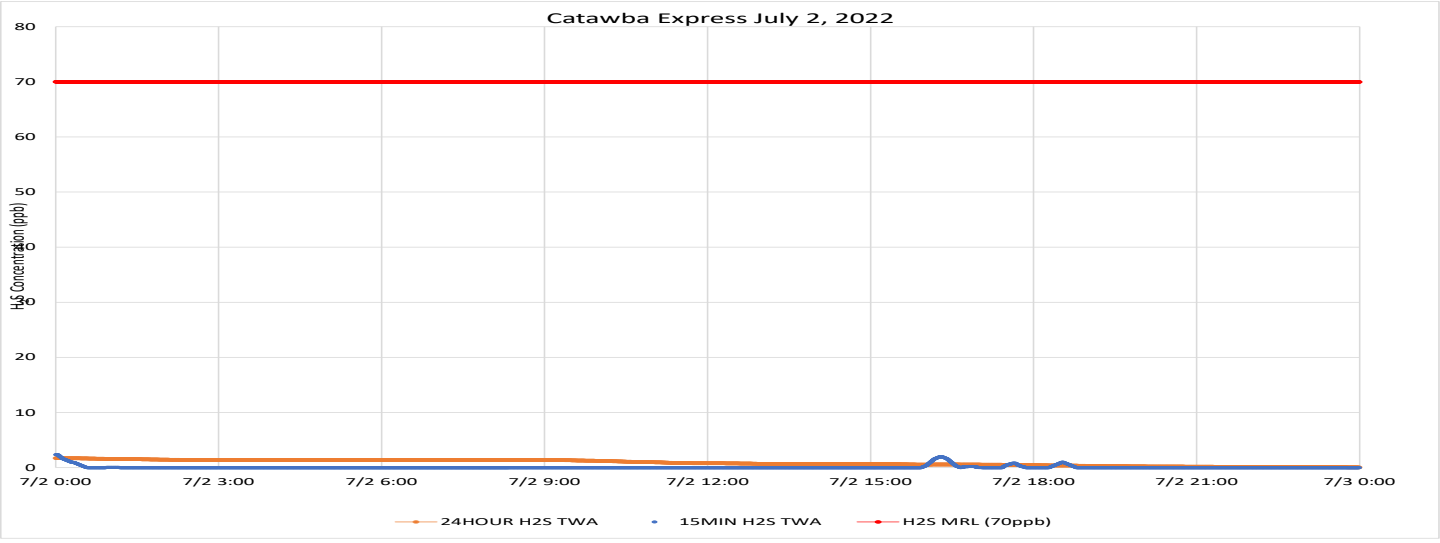
H_2S in South Carolina

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

Winds were calm most of the day. When detected between late morning and late evening, wind was from the south southwest to west.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/3/22 12:00 AM** ***To:*** **7/3/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	701	0 - 6 ppb	0.55 ppb	70 ppb

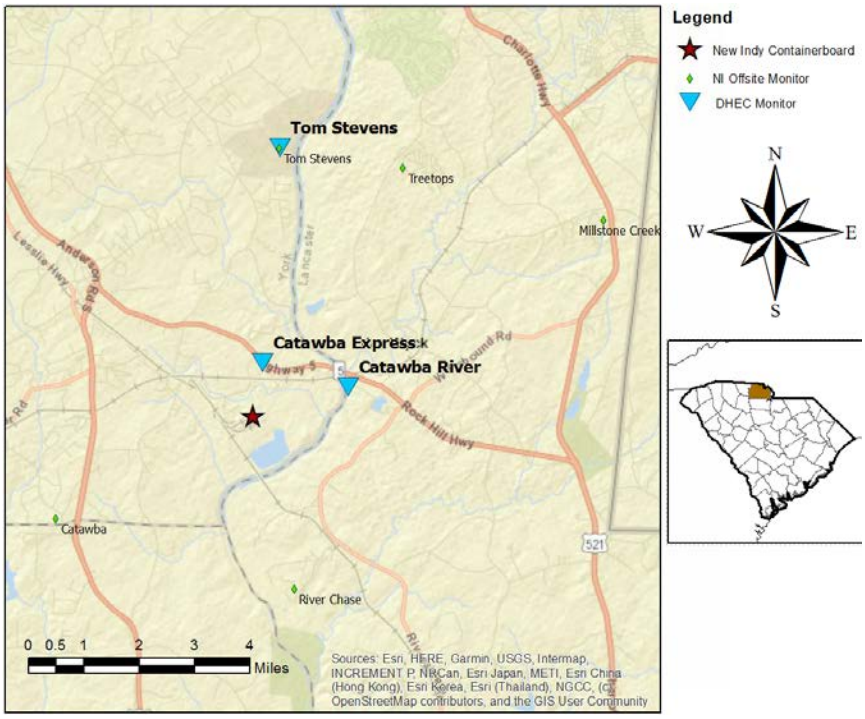
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	351	0 - 12 ppb	0.45 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.

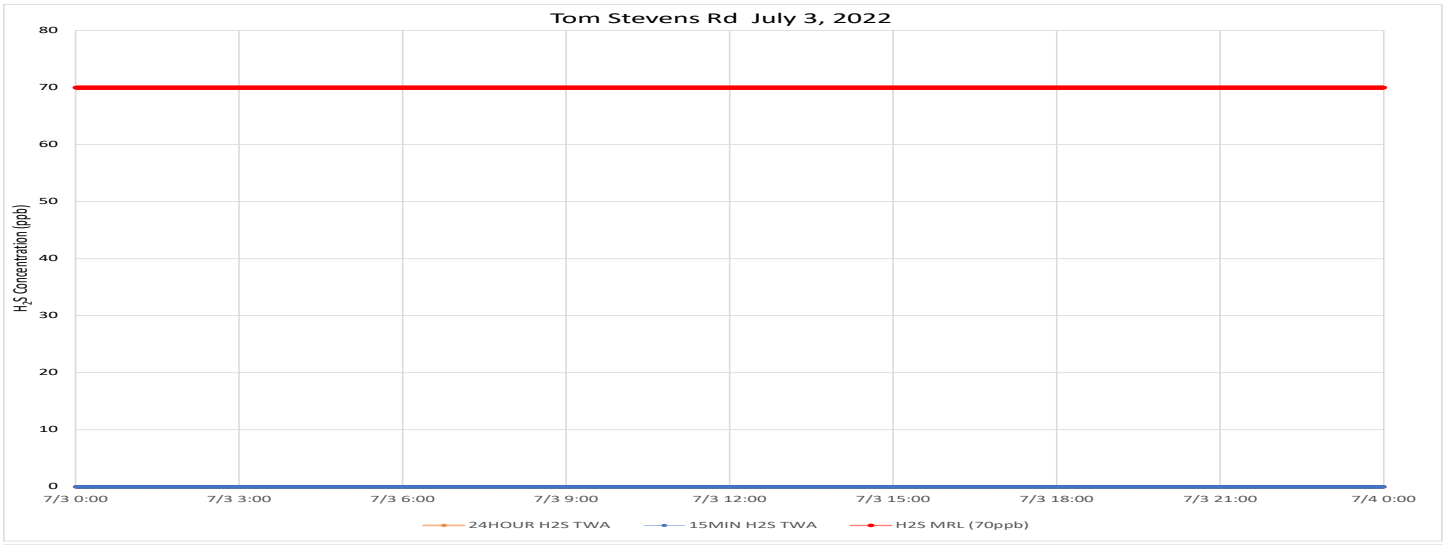
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

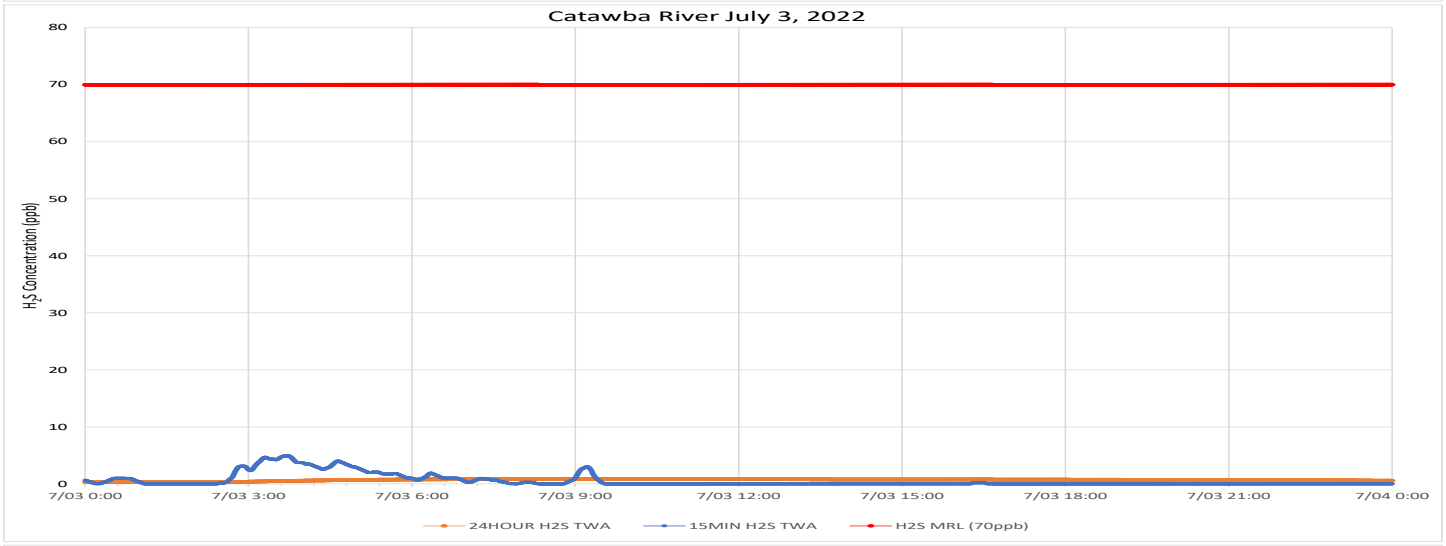


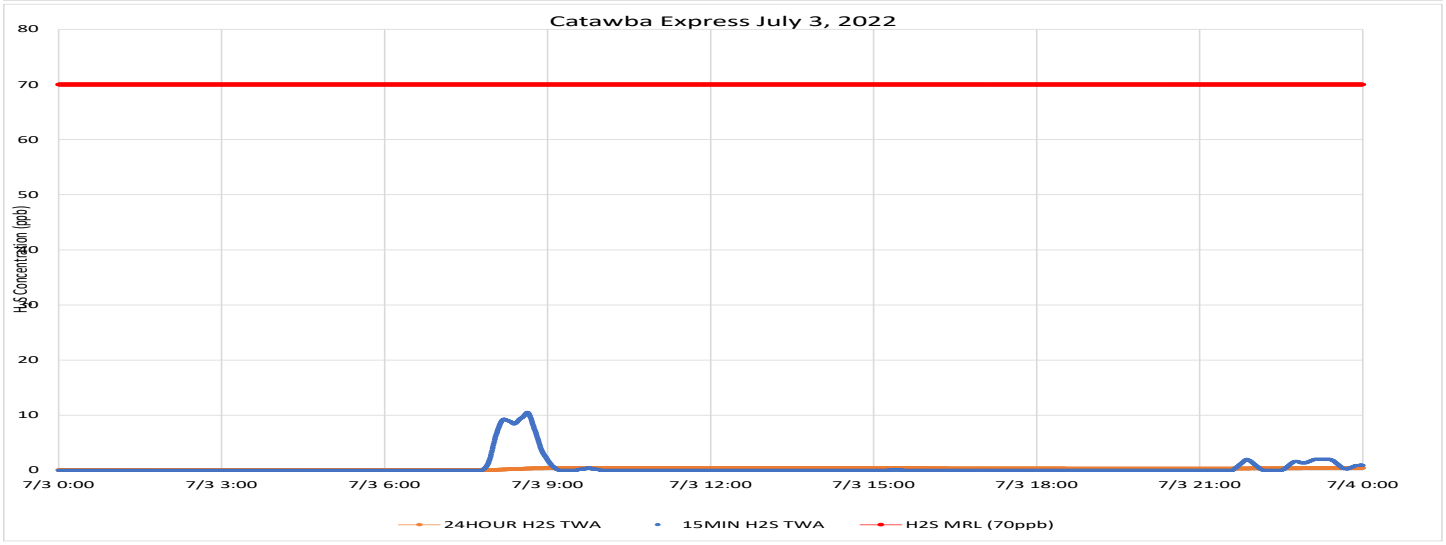
H_2S in South Carolina

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

Winds were calm most of the day. When detected, primarily between late morning and late evening, wind directions were highly variable , coming from northwest ,through the northeast quadrant and from the south southeast at different times.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/4/22 12:00 AM** ***To:*** **7/4/22 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	26	0 - 2 ppb	0.02 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	72	0 - 4 ppb	0.05 ppb	70 ppb

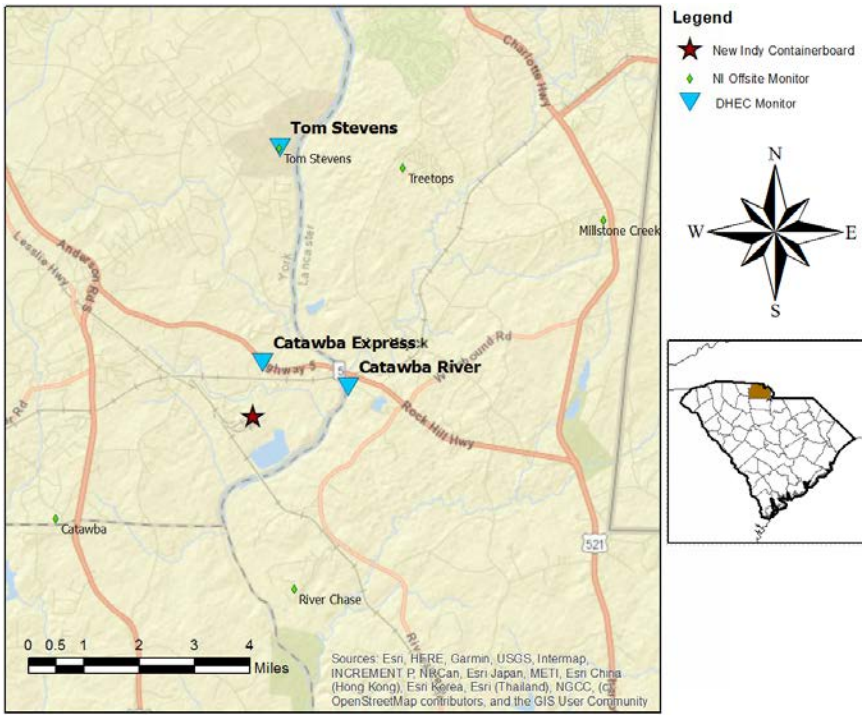
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	612	0 - 9 ppb	0.59 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.

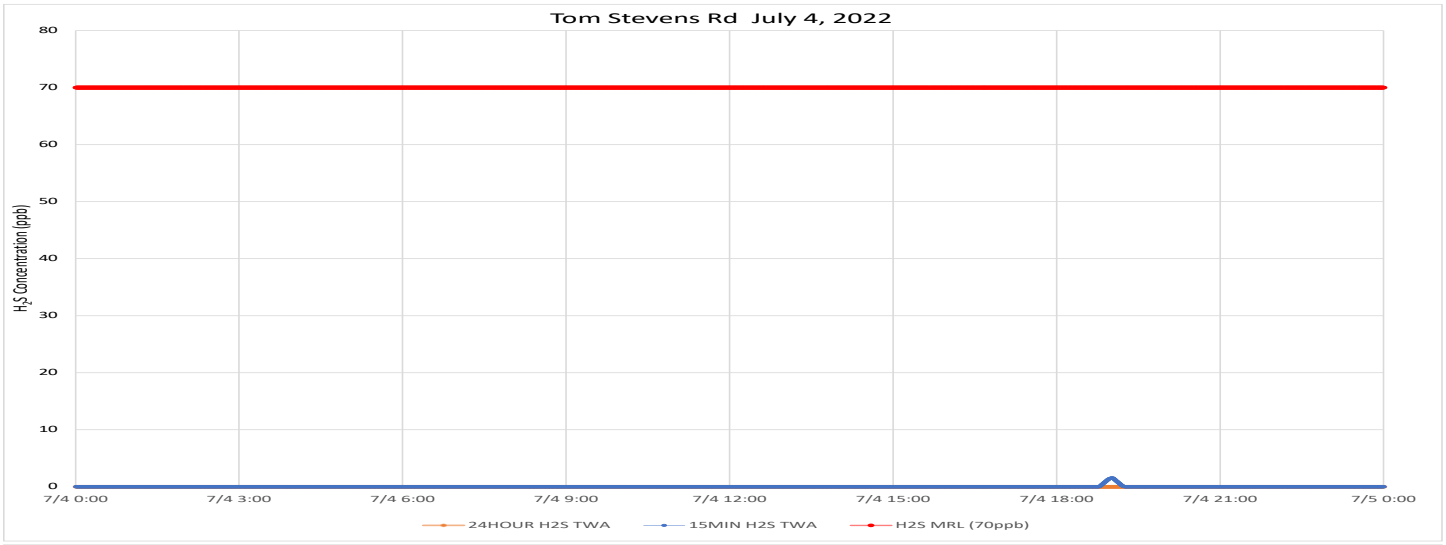
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

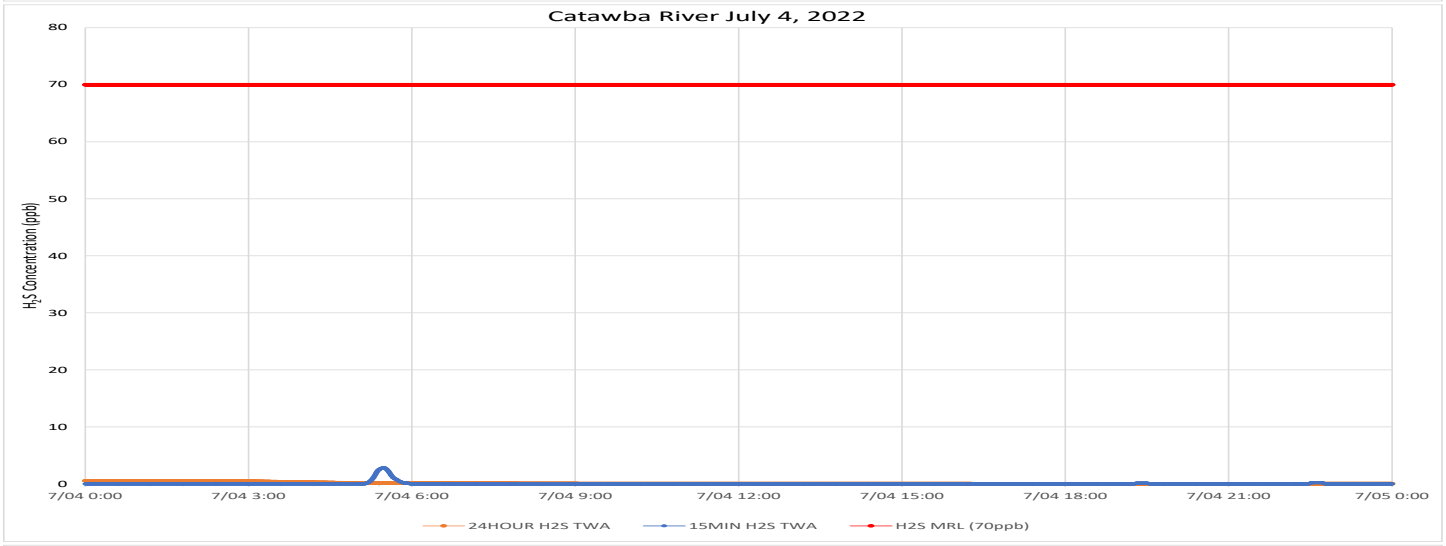


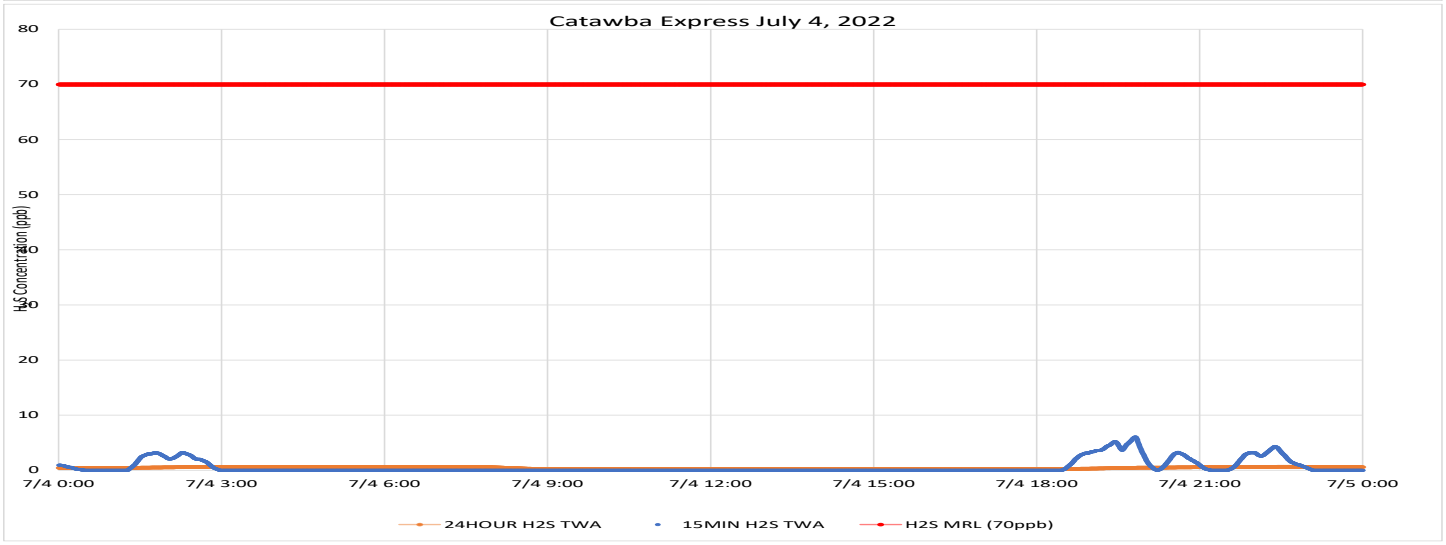
H_2S in South Carolina

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

Winds were calm most of the day. When detected, primarily between late morning and late evening, wind directions were highly variable , coming from northwest ,through the northeast quadrant and from the south southeast at different times.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/5/22 12:00 AM** ***To:*** **7/5/22 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	148	0 - 3 ppb	0.09 ppb	70 ppb

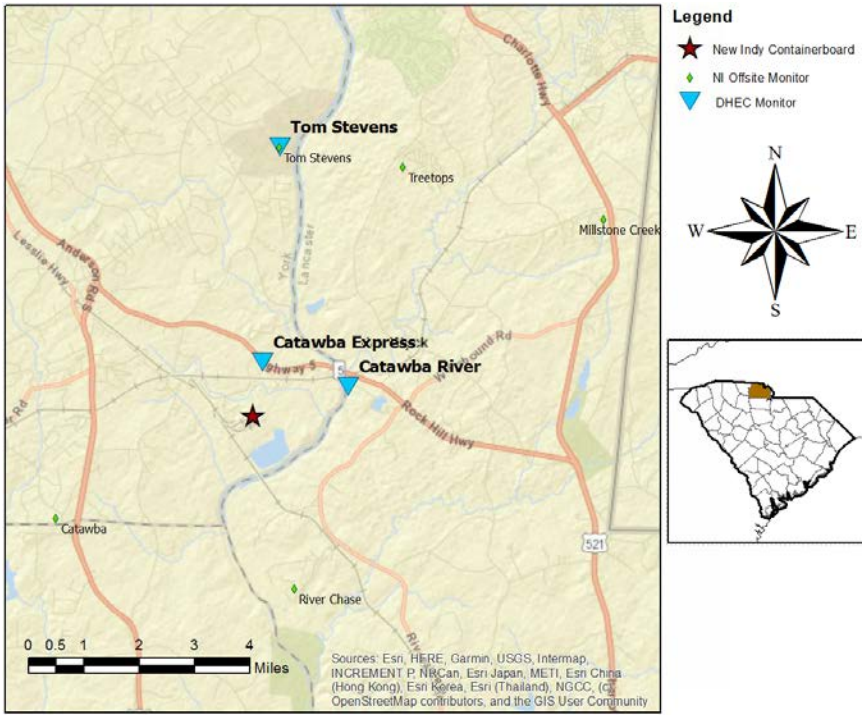
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	127	0 - 5 ppb	0.08 ppb	70 ppb

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	1188	0 - 7 ppb	0.92 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.

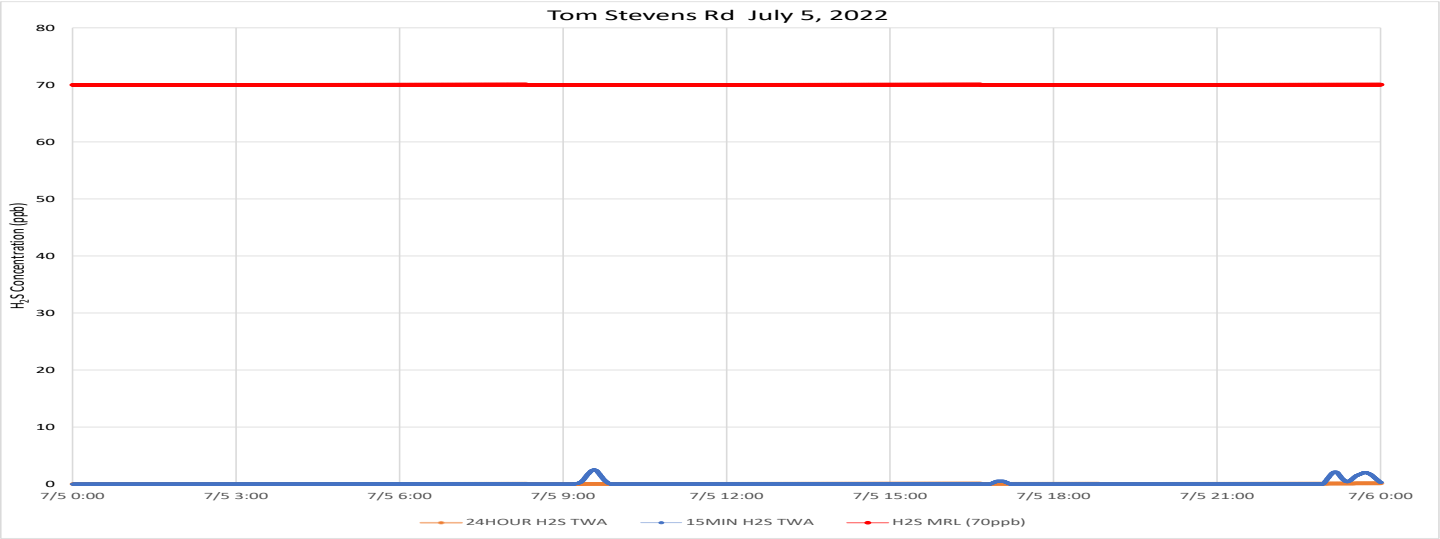
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

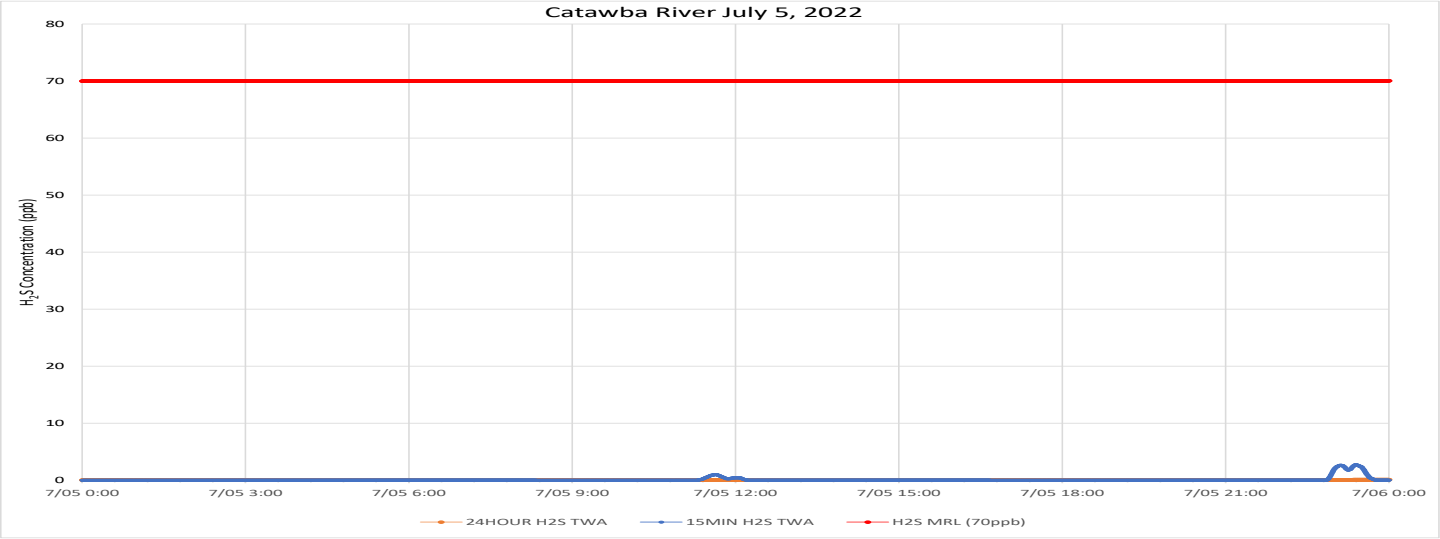


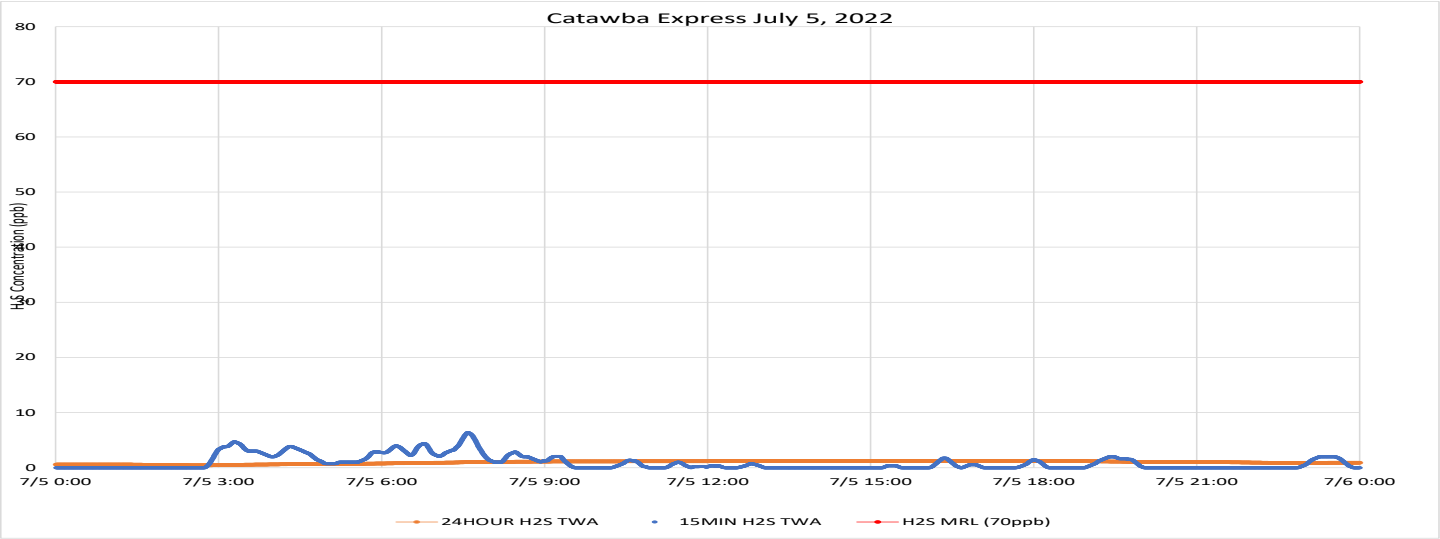
H_2S in South Carolina

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

Winds were calm early morning and for various short periods throughout the day. Wind was primarily from the south southwest to southwest, with the exception of periods during localized rain events.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/6/22 12:00 AM** ***To:*** **7/6/22 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	9	0 - 1 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 3	H2S	No	2880	344	0 - 5 ppb	0.26 ppb	70 ppb

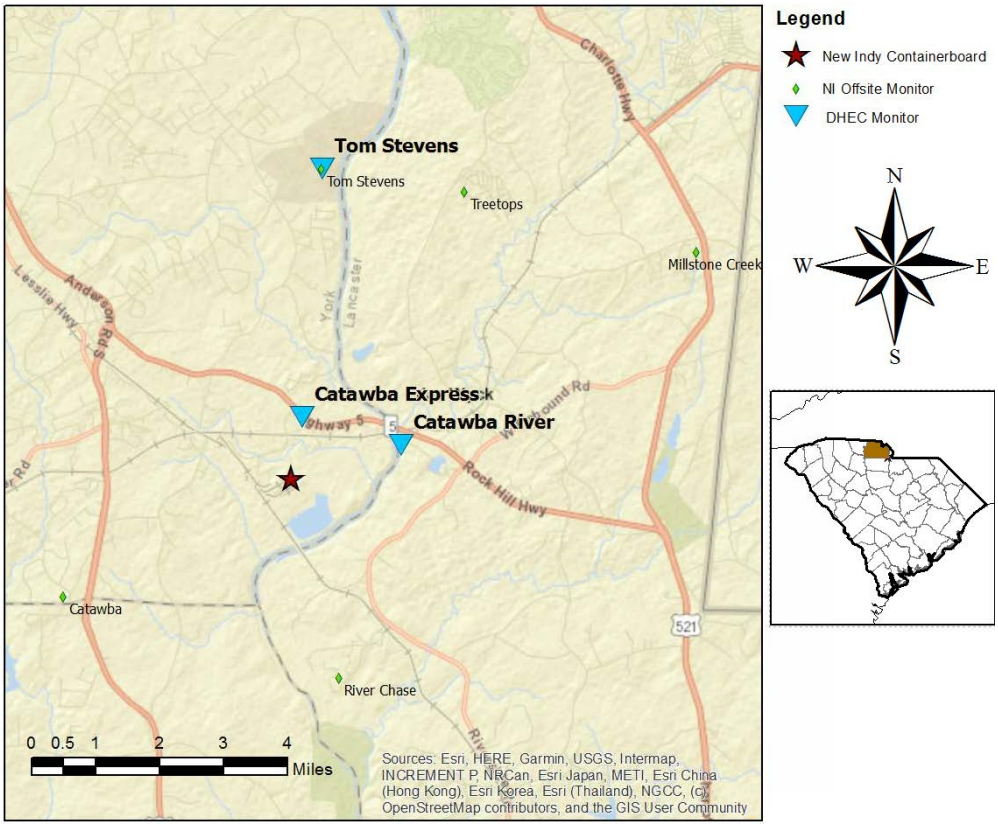
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	383	0 - 4 ppb	0.27 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.

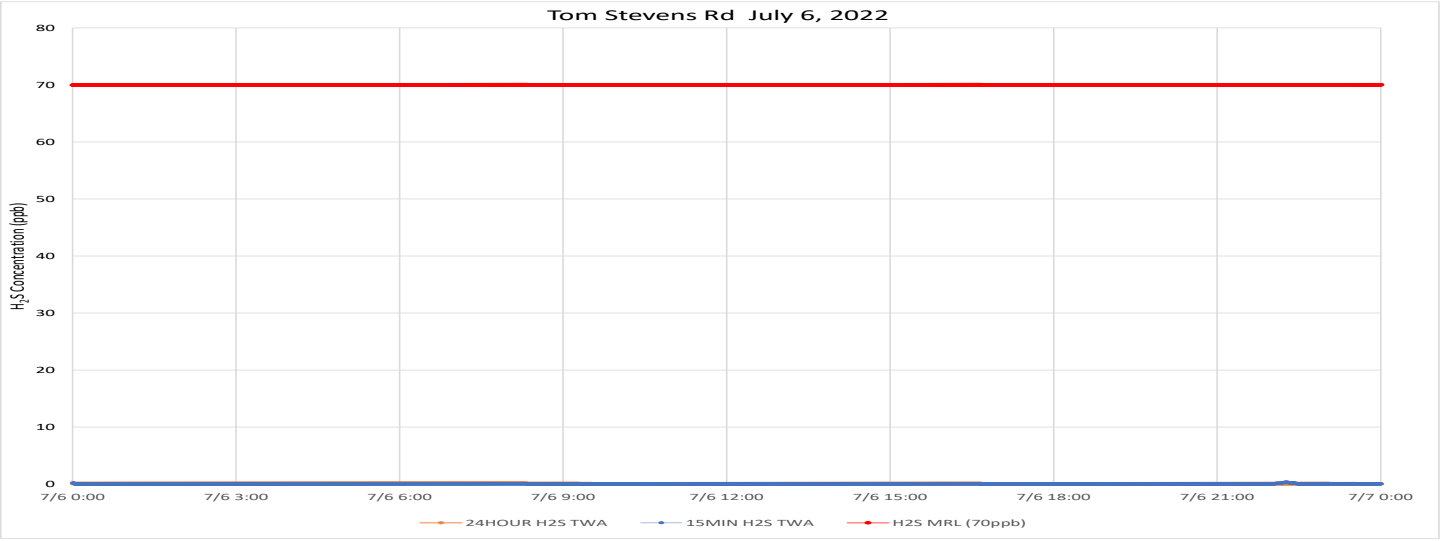
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

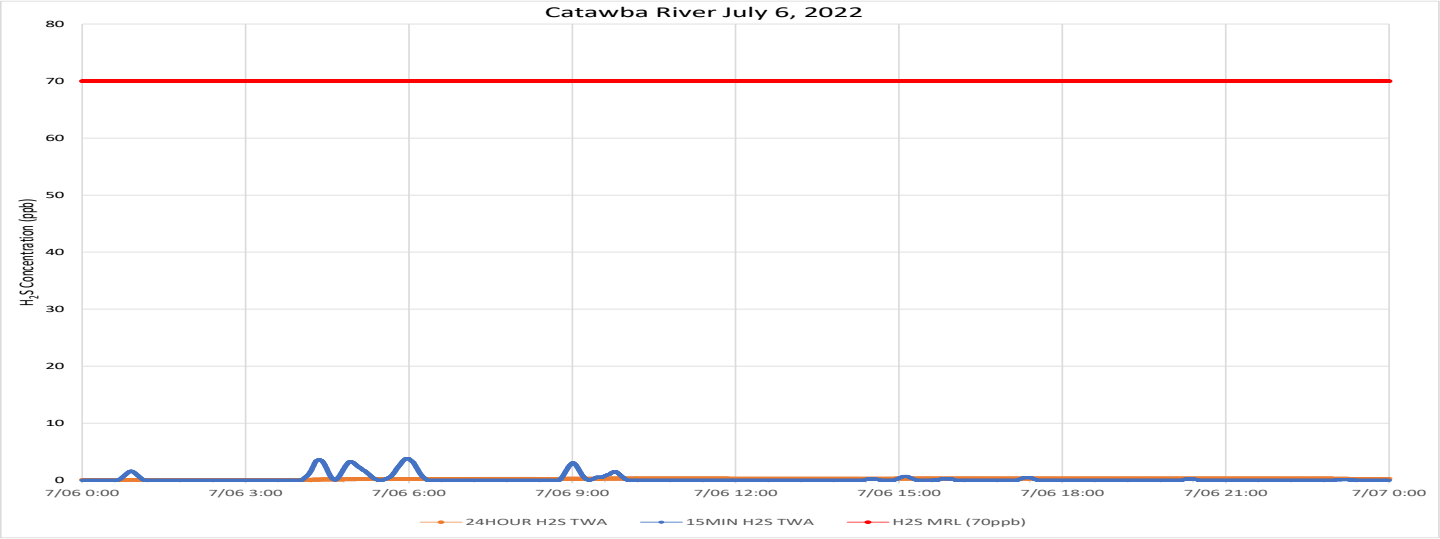


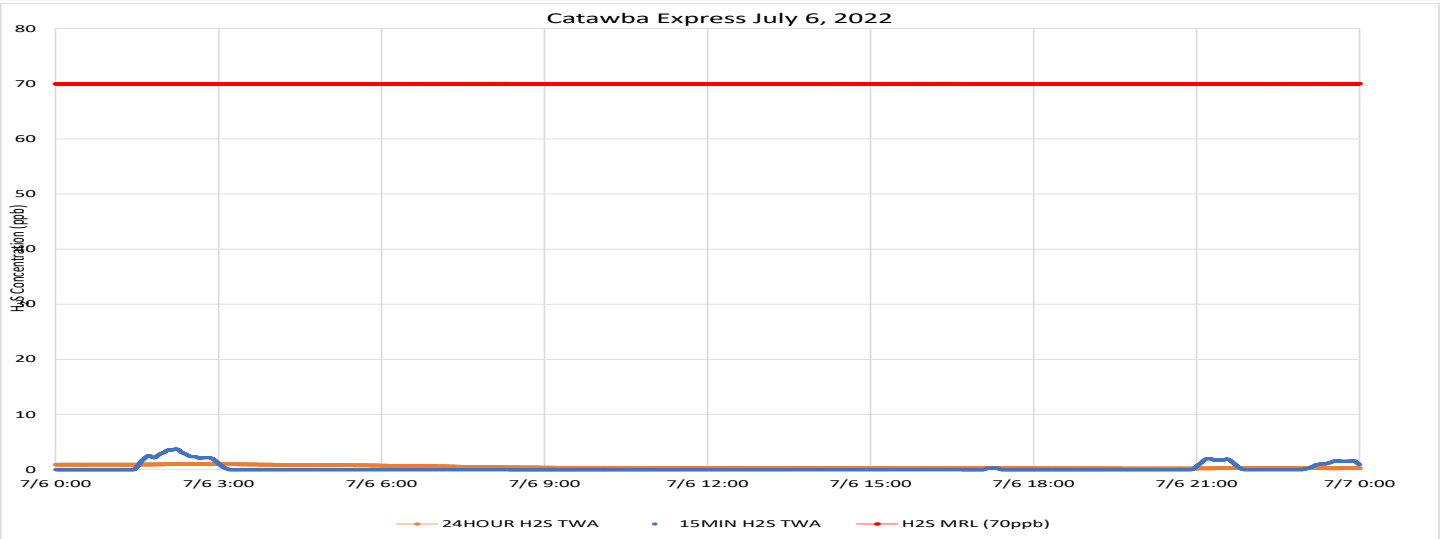
H_2S in South Carolina

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

Winds were generally from the south southwest to west southwest throughout the period except for several calm intervals and several periods during localized rain events when wind direction was highly variable.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/7/22 12:00 AM** ***To:*** **7/7/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	350	0 - 8 ppb	0.28 ppb	70 ppb

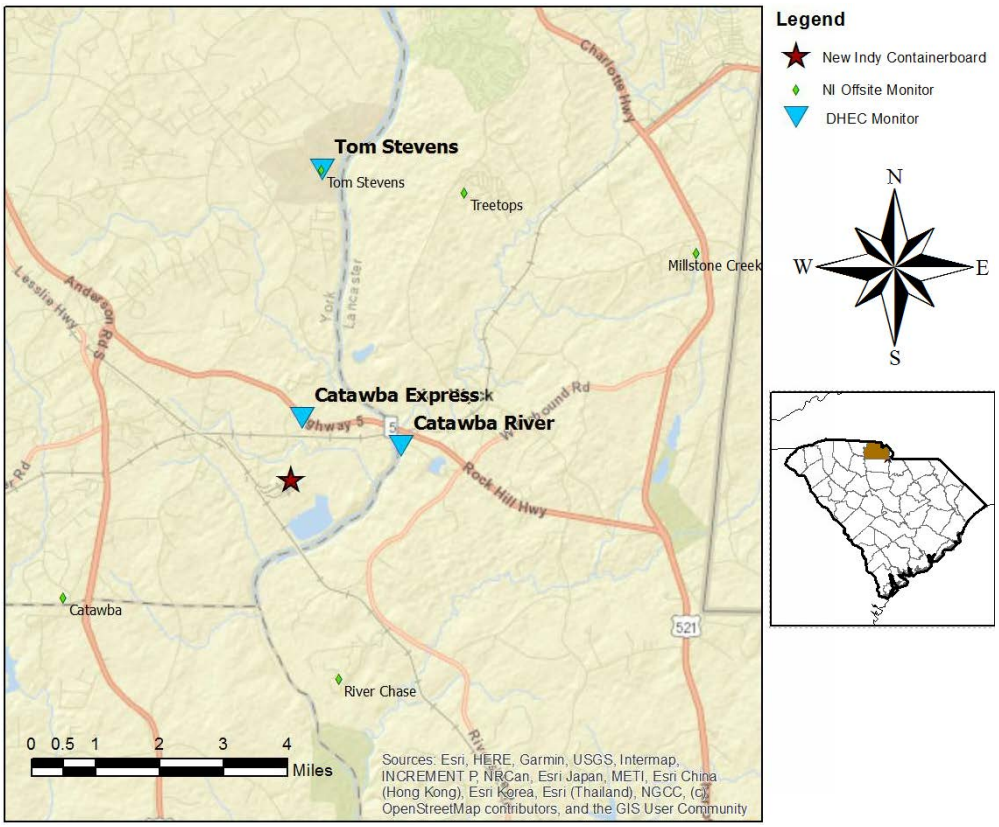
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	271	0 - 6 ppb	0.15 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.

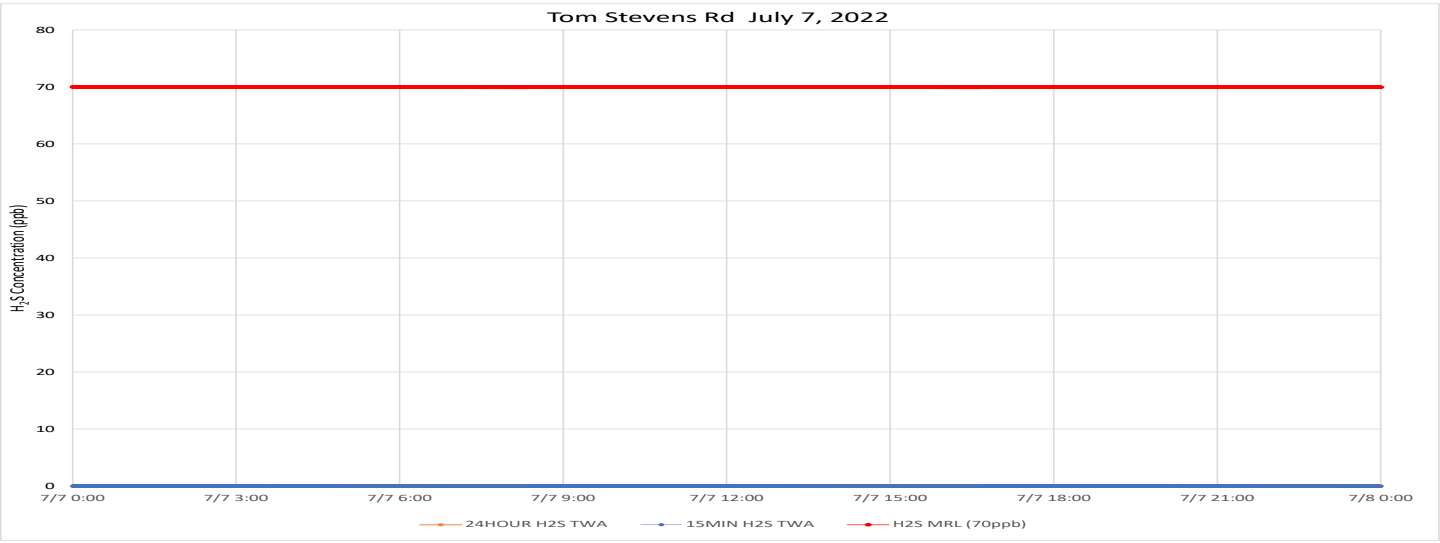
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

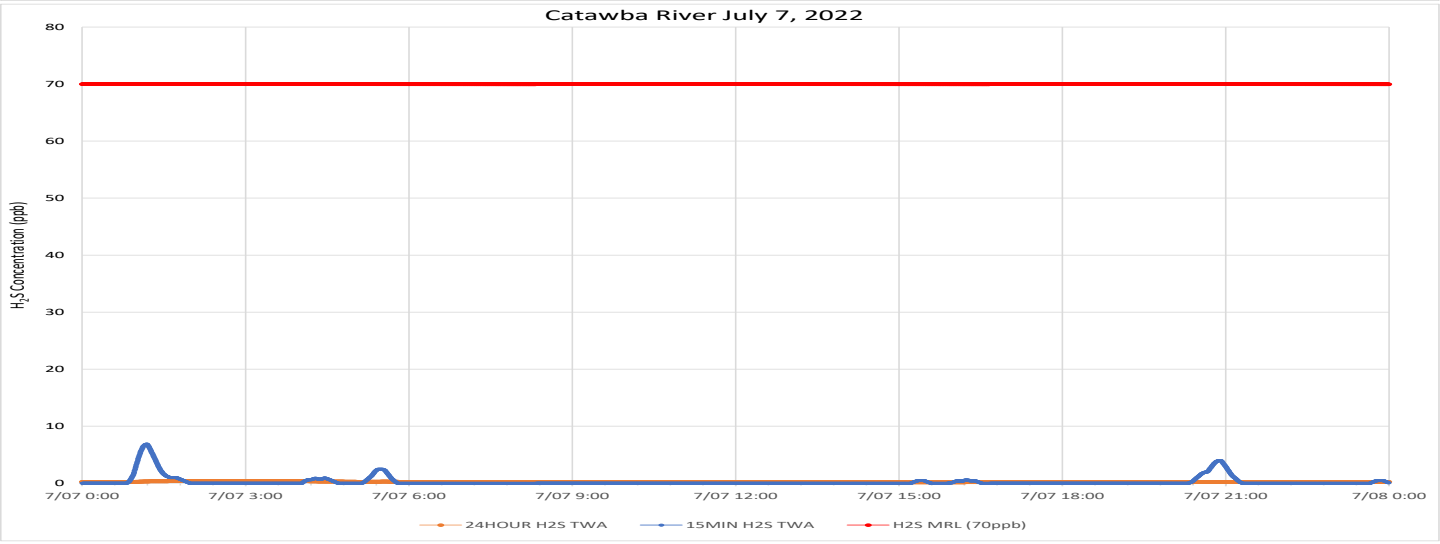


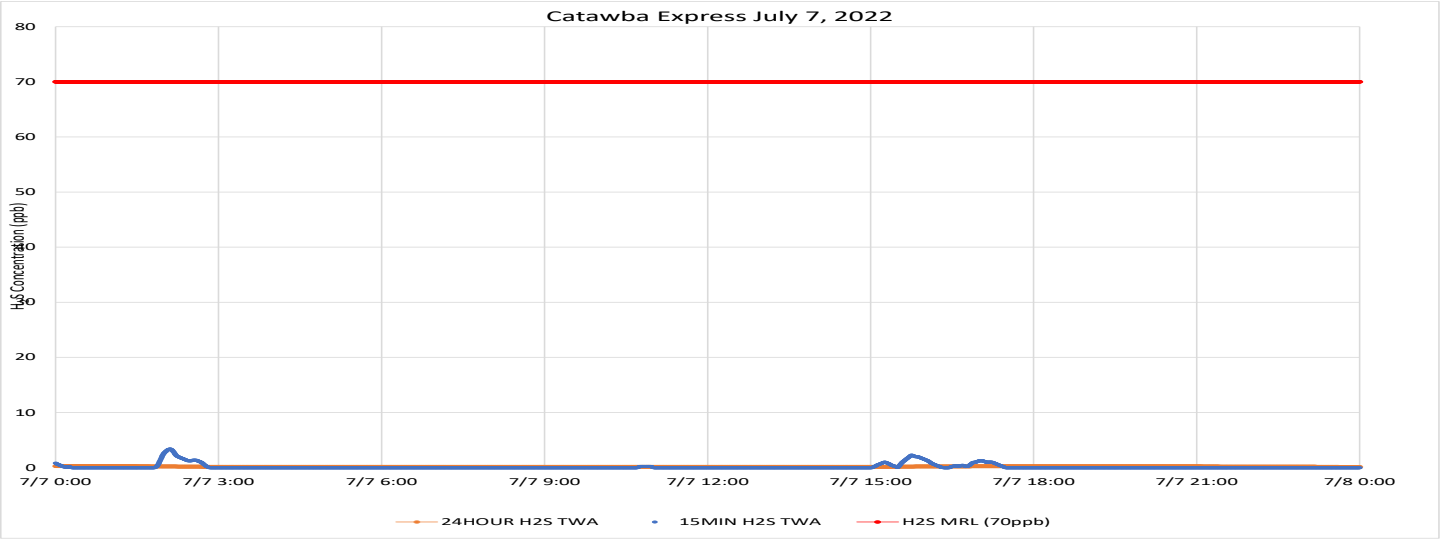
H_2S in South Carolina

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

Winds were generally from the south southwest to southwest until noon, becoming calm in the afternoon and shifting to coming more from the southwest to west in the late evening.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/8/22 12:00 AM** ***To:*** **7/8/22 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	58	0 - 3 ppb	0.04 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	575	0 - 5 ppb	0.41 ppb	70 ppb

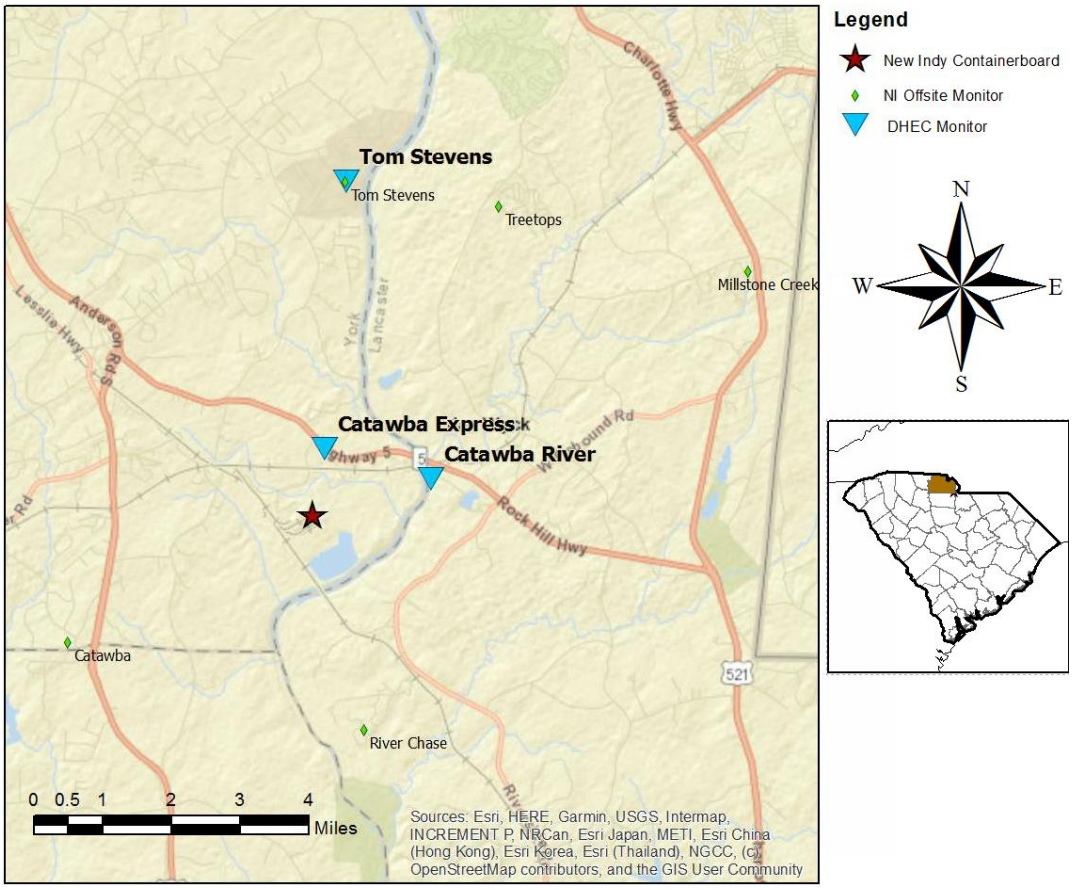
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	246	0 - 12 ppb	0.25 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.

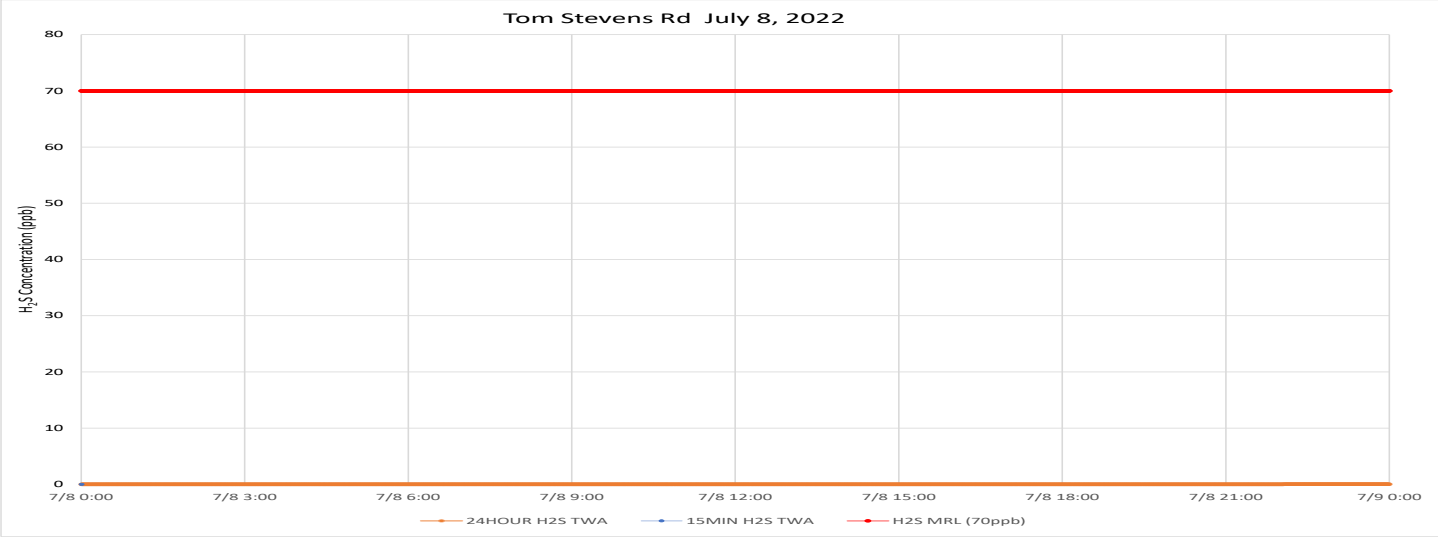
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

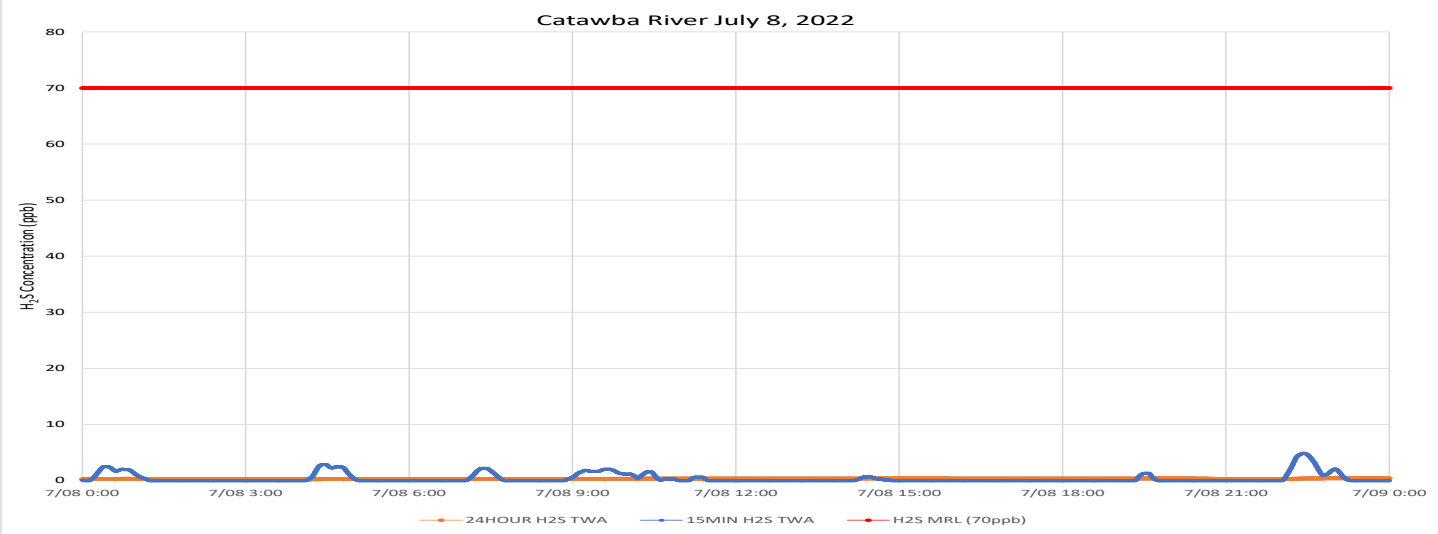


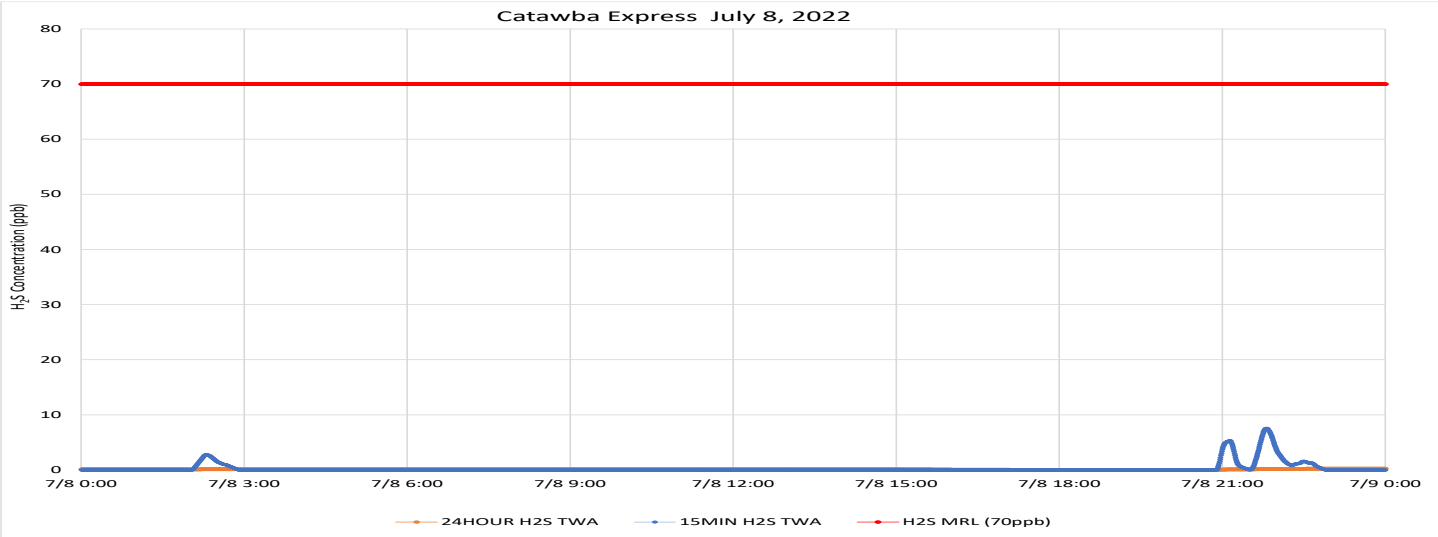
H_2S in South Carolina

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

Winds were generally from the south southwest to west southwest, shifting to northwest to north northwest for some periods in the late evening.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/9/22 12:00 AM** ***To:*** **7/9/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	799	0 - 20 ppb	0.8 ppb	70 ppb

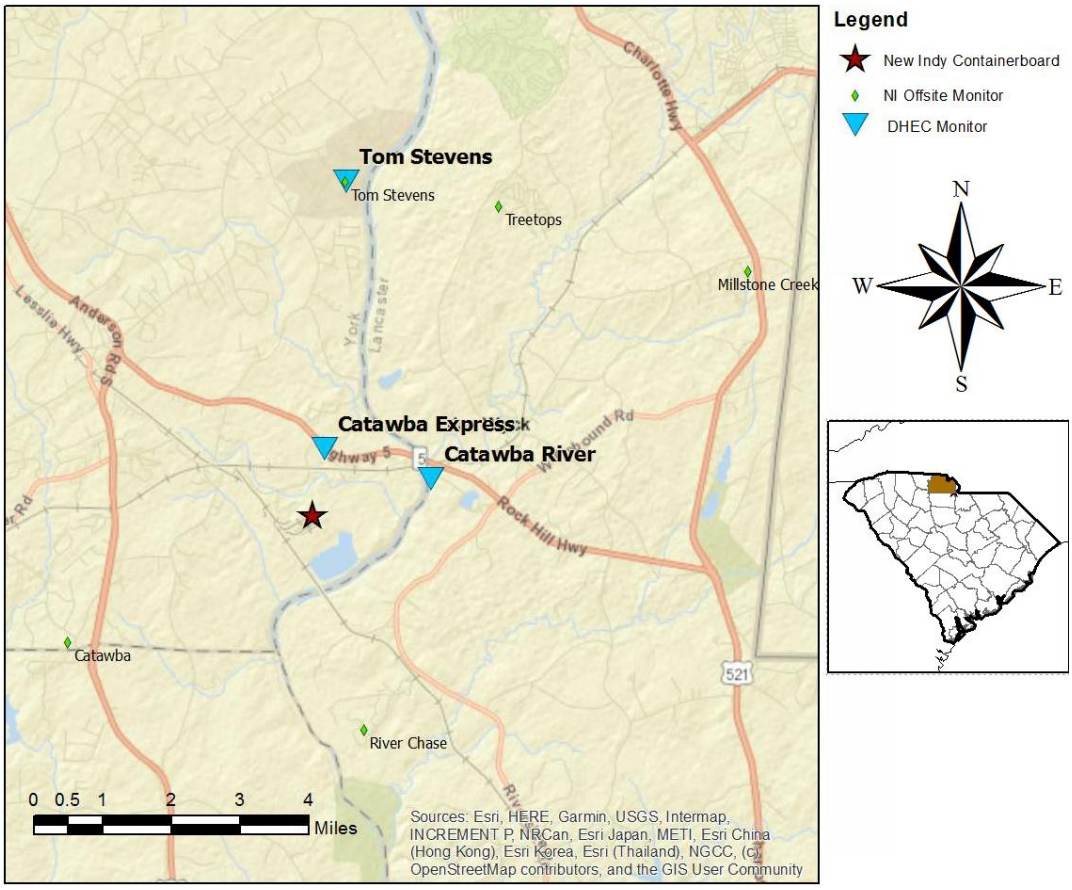
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	138	0 - 5 ppb	0.08 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.

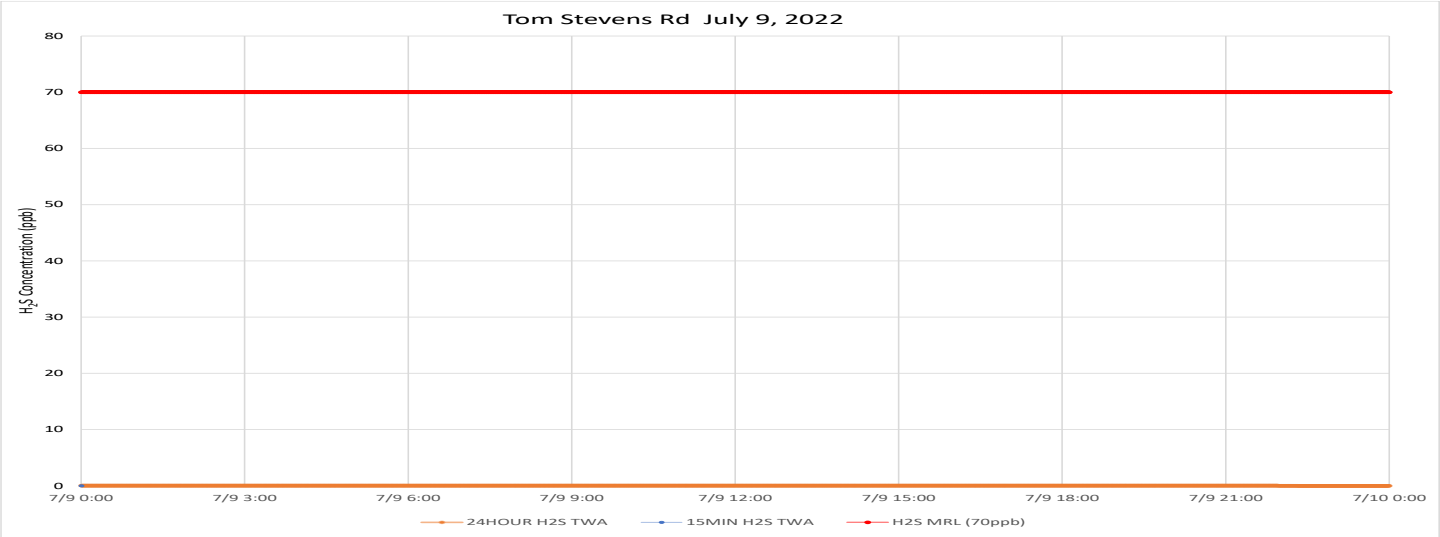
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

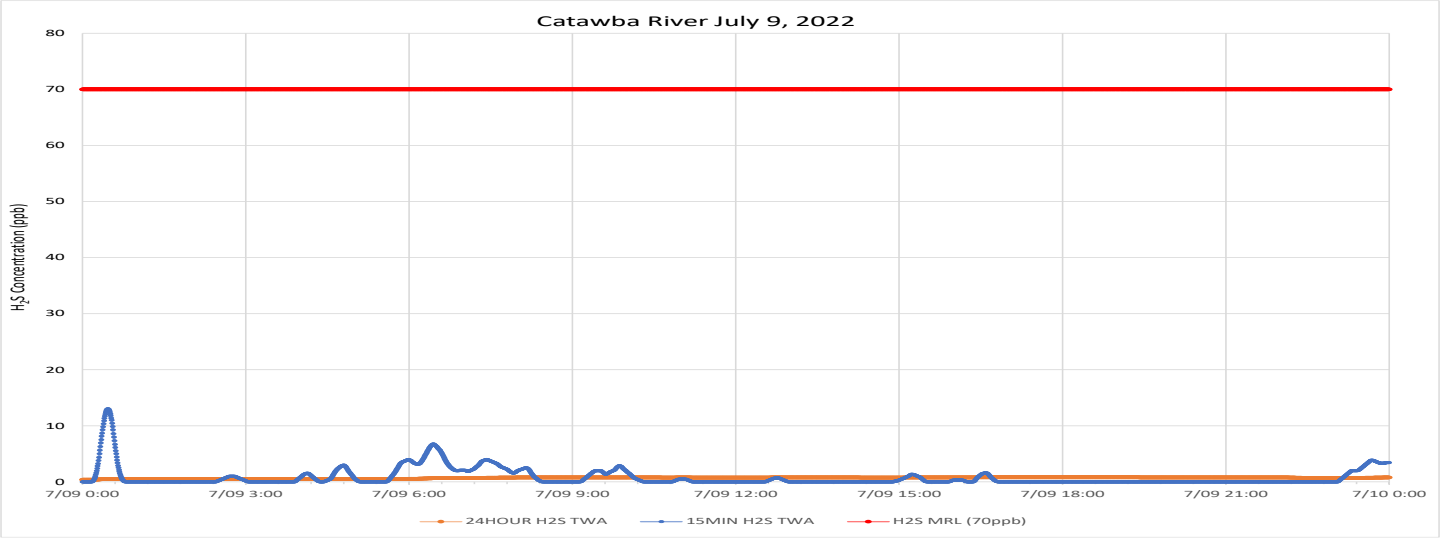


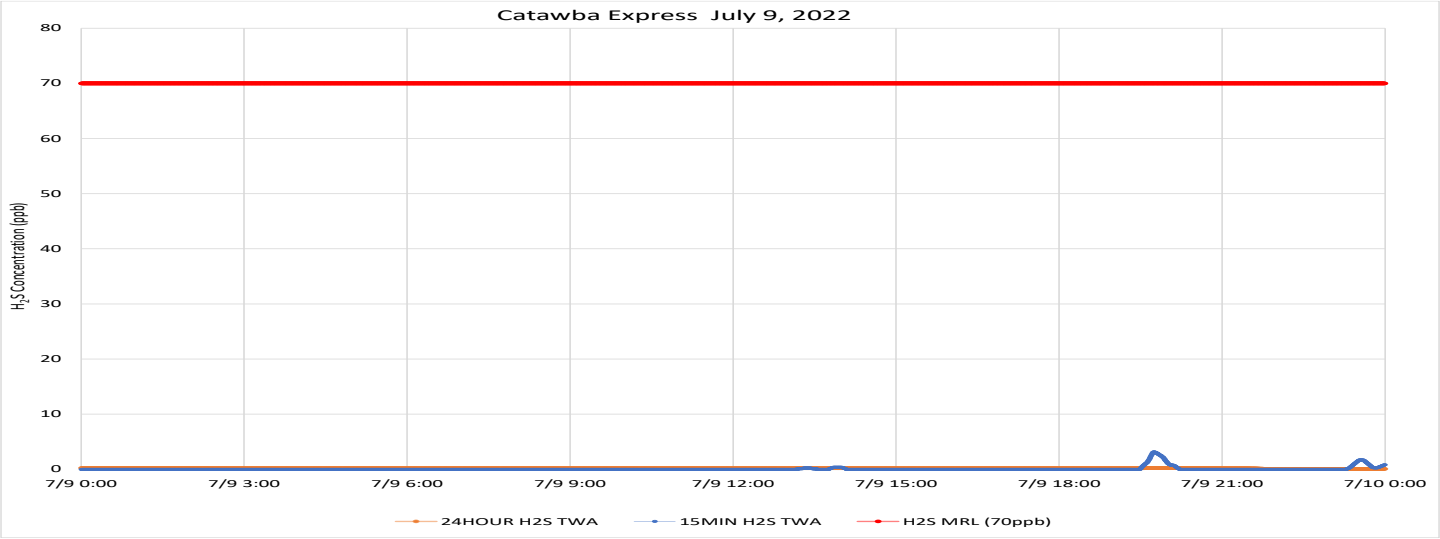
H_2S in South Carolina

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

Winds were primarily from the southwest throughout the period.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/10/22 12:00 AM** ***To:*** **7/10/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	119	0 - 3 ppb	0.07 ppb	70 ppb

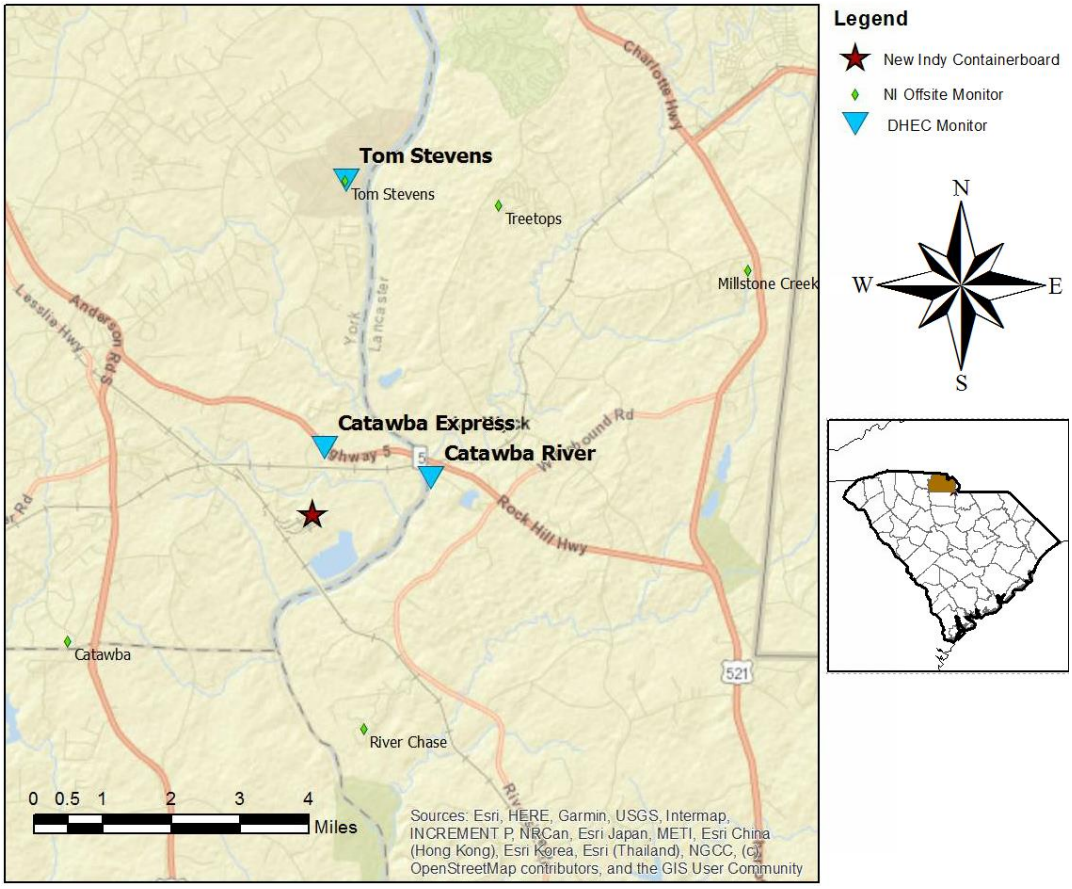
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	31	0 - 1 ppb	0.01 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.

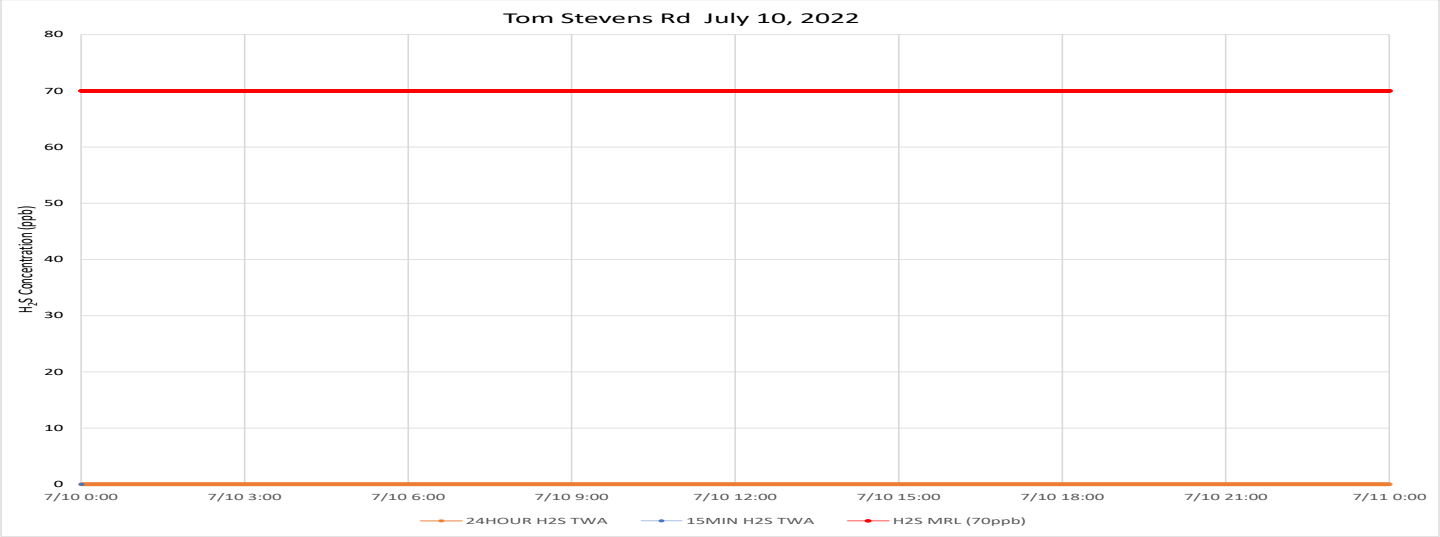
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

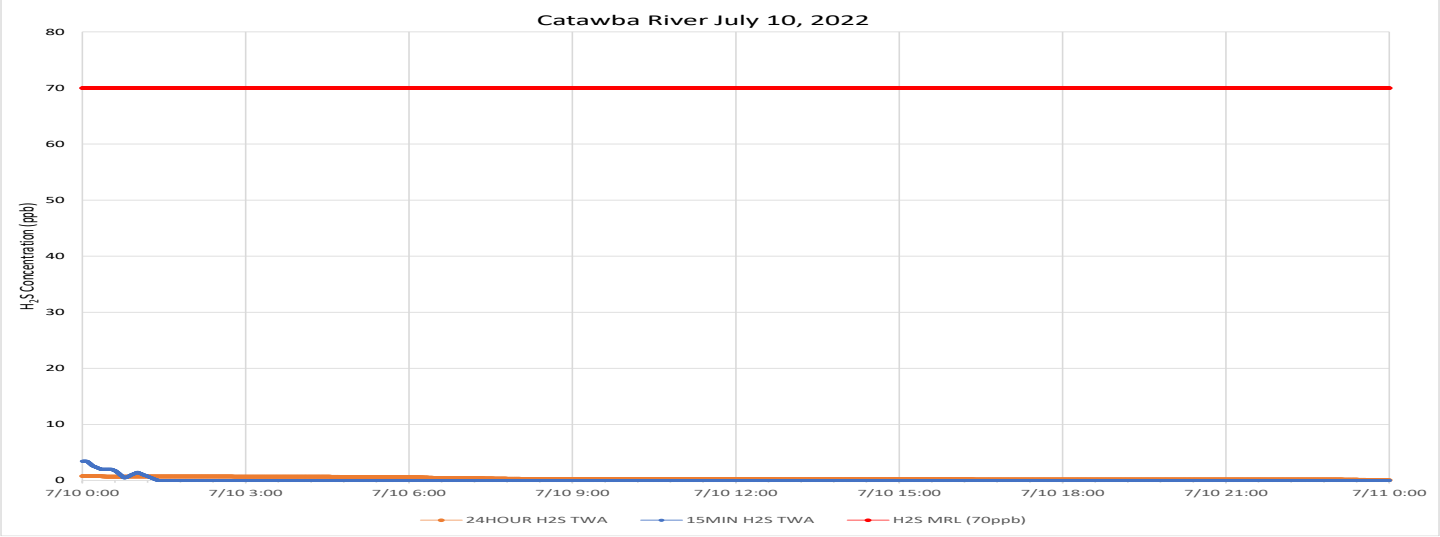


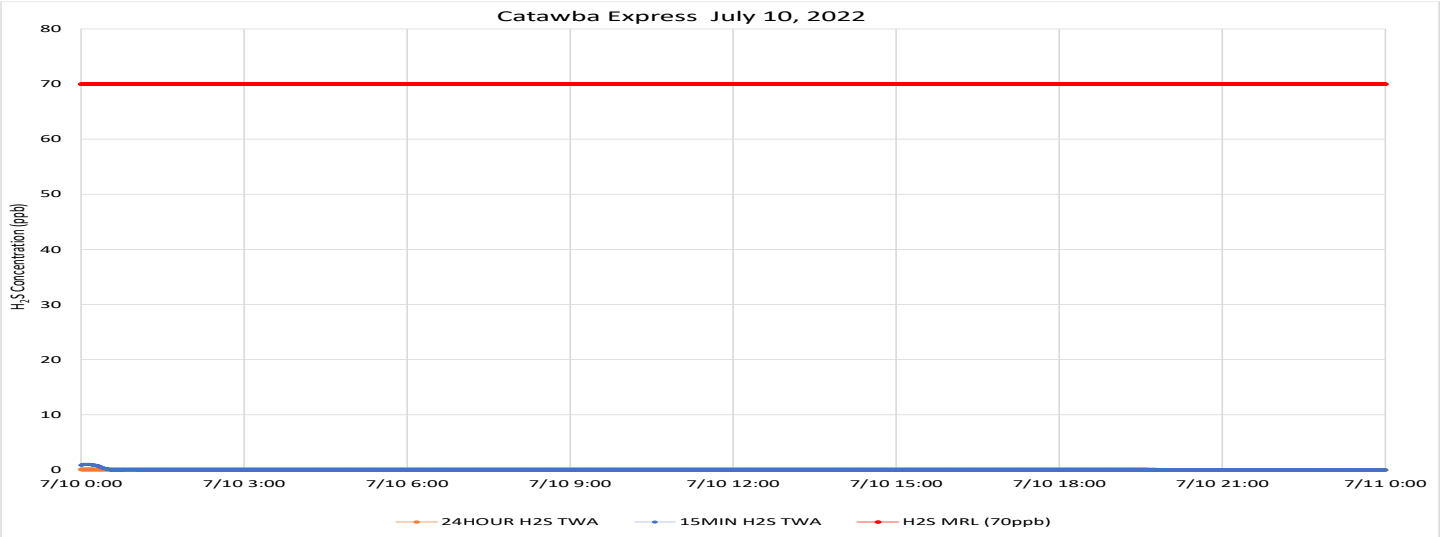
H_2S in South Carolina

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

Winds were generally light and variable during the period, with some calm periods in the early morning. When measurable, winds came from the north northeast to northeast.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/11/22 12:00 AM** ***To:*** **7/11/22 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	117	0 - 3 ppb	0.07 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2875	0	0 - 0 ppb	0 ppb	70 ppb

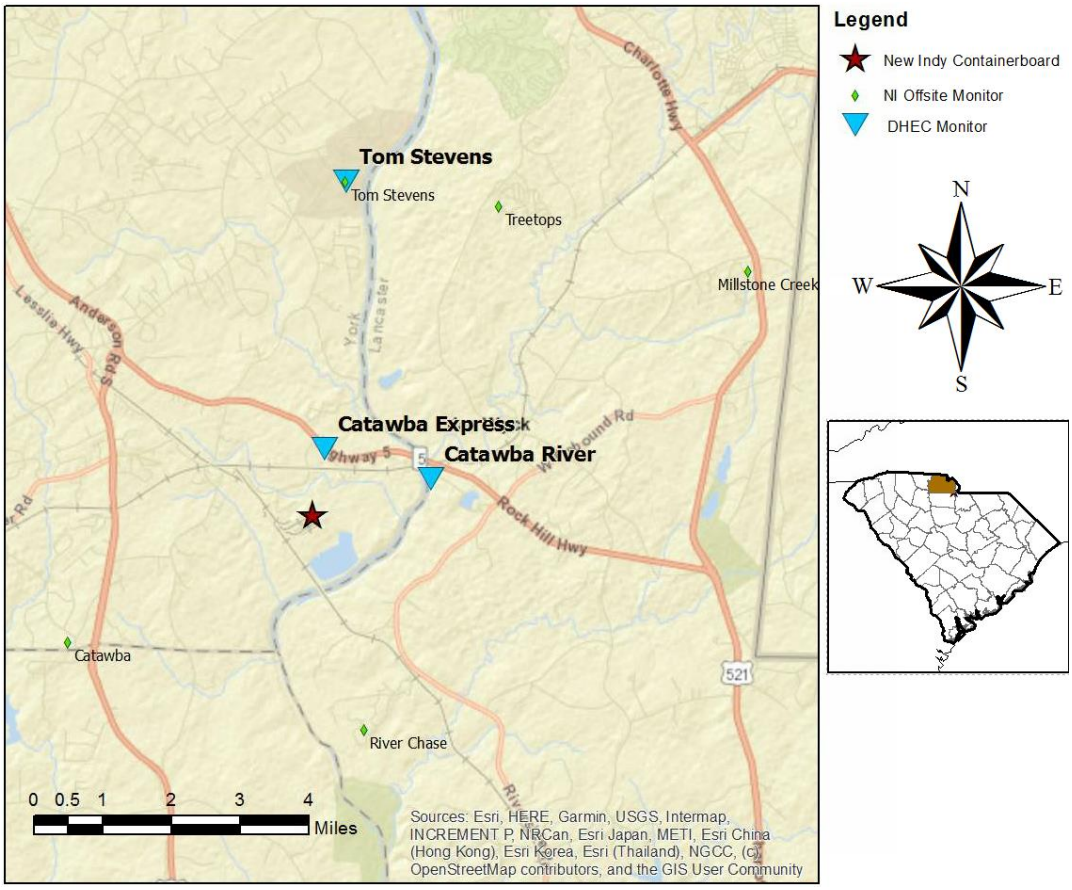
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	330	0 - 11 ppb	0.38 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.

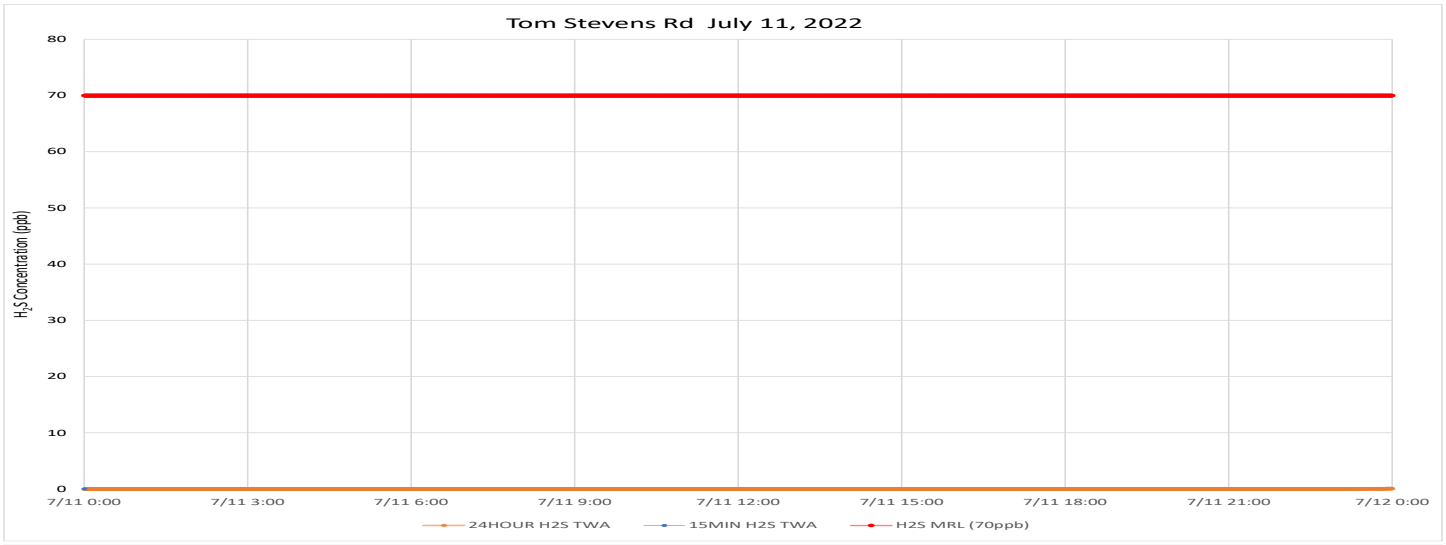
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

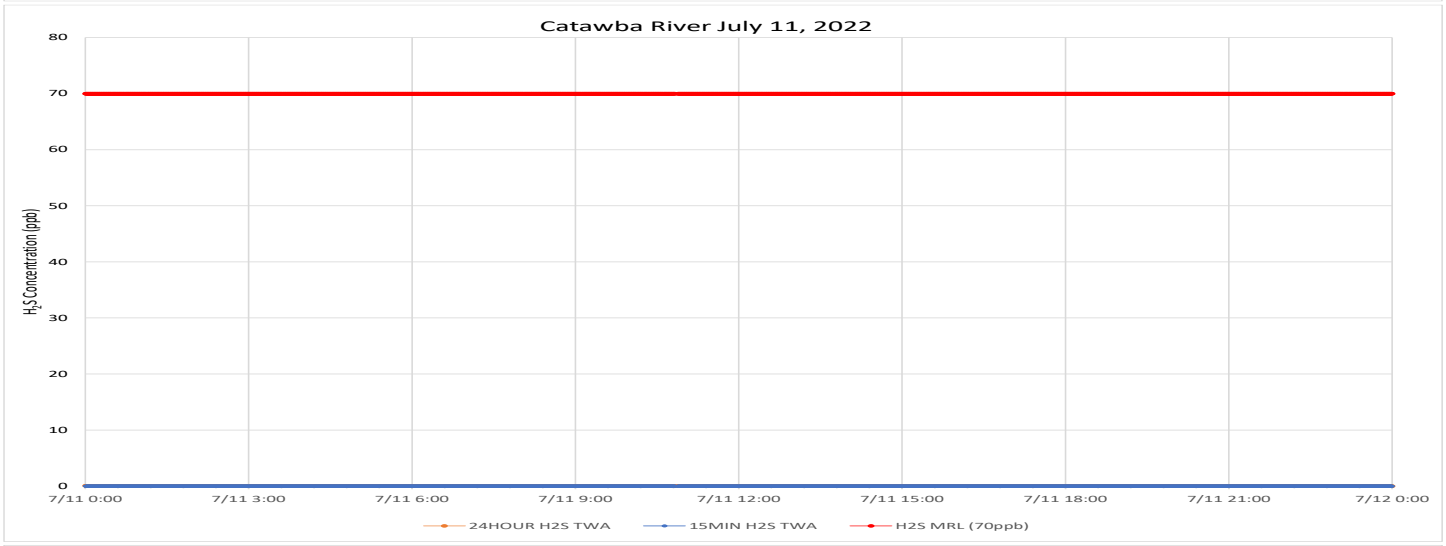


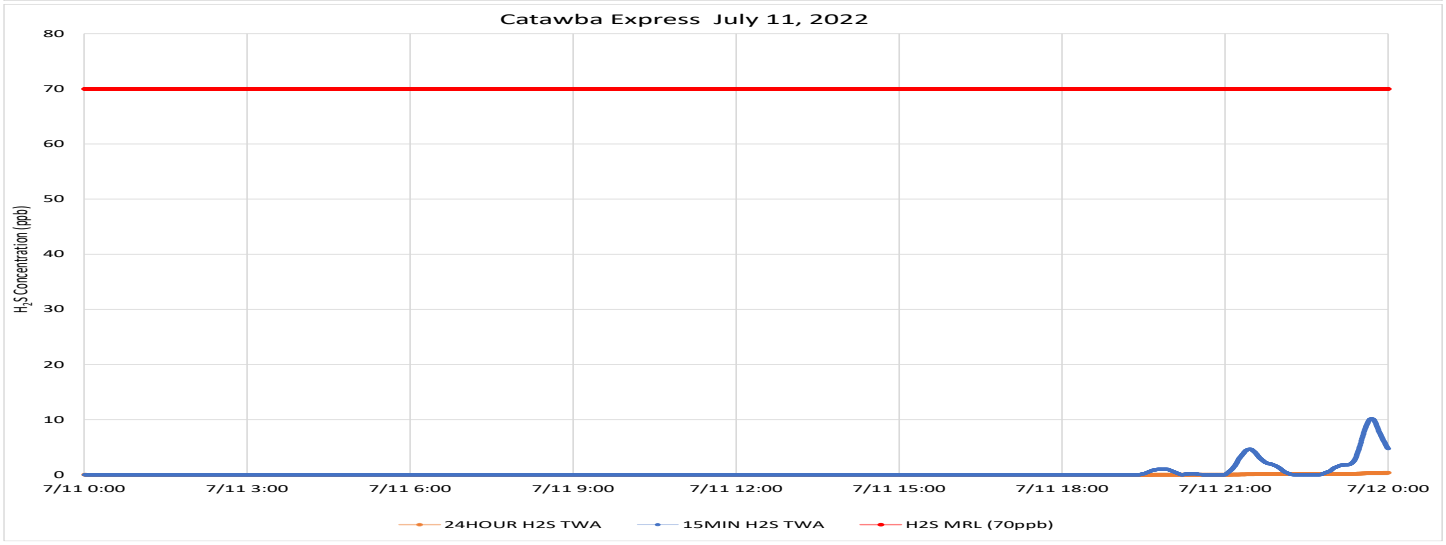
H_2S in South Carolina

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

Winds were generally light and variable during the period, with some calm periods in the late afternoon. When measurable, winds came from the north northeast to northeast, shifting to coming from the south southwest in the evening.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/12/22 12:00 AM** ***To:*** **7/12/22 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	94	0 - 2 ppb	0.05 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	166	0 - 3 ppb	0.1 ppb	70 ppb

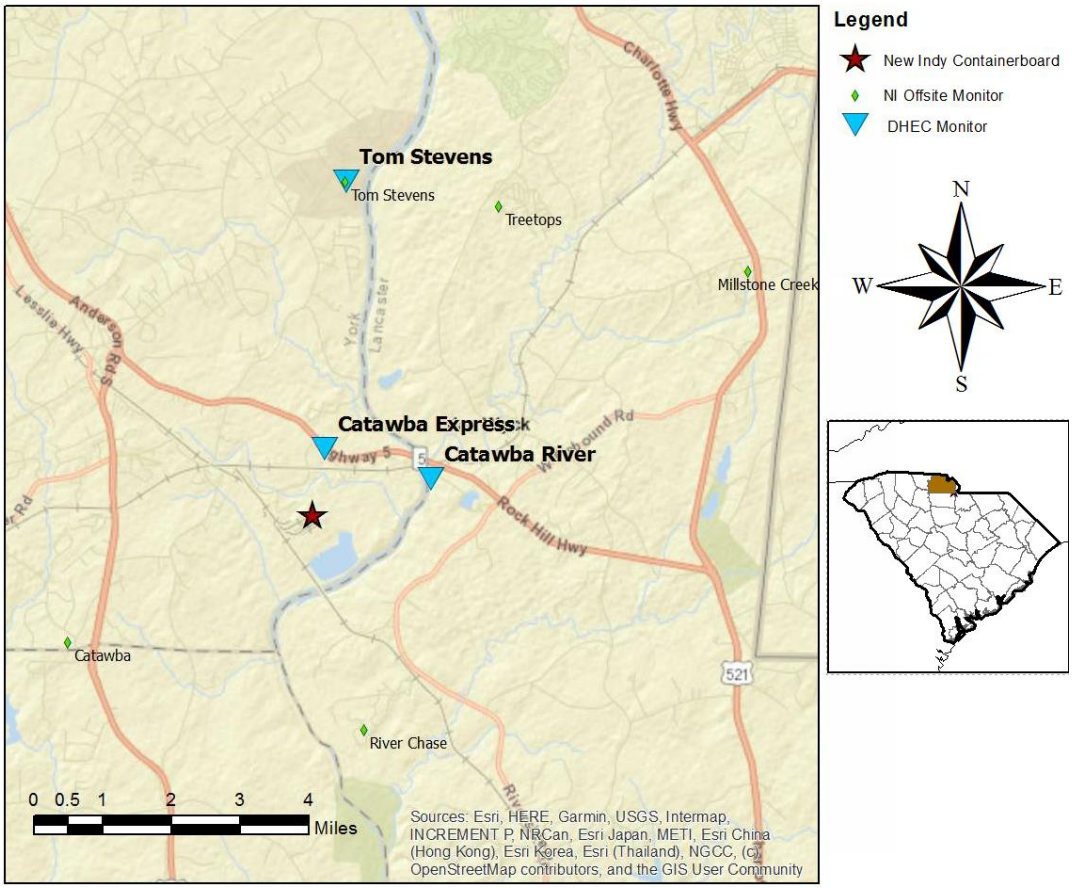
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	319	0 - 9 ppb	0.34 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.

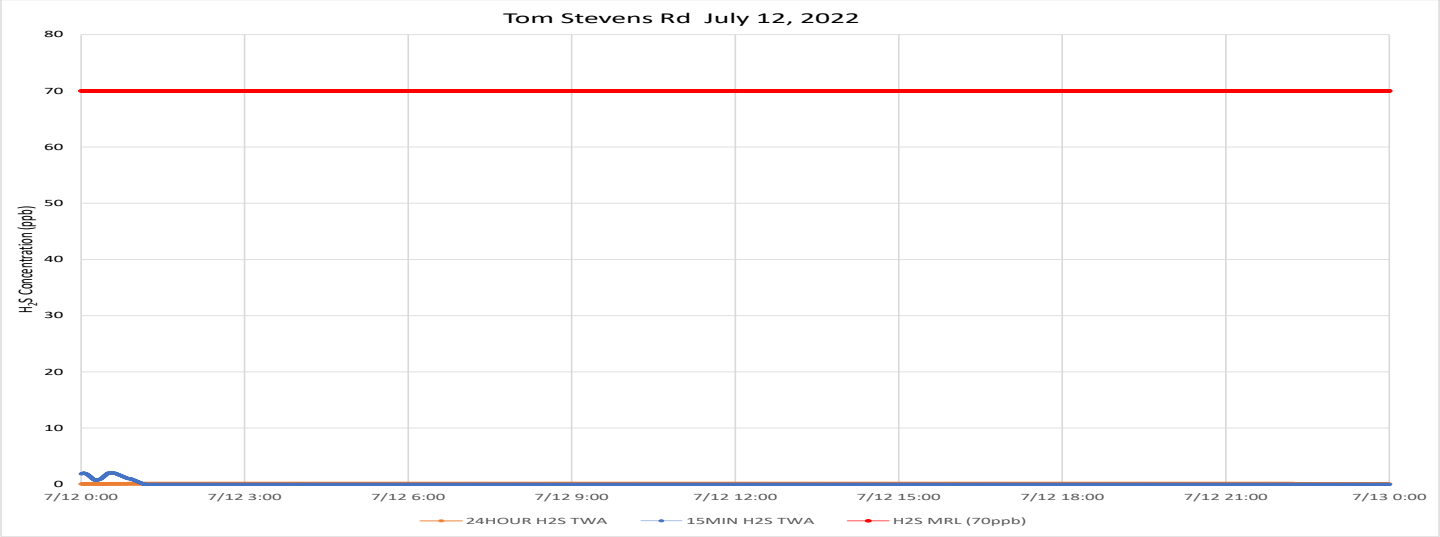
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

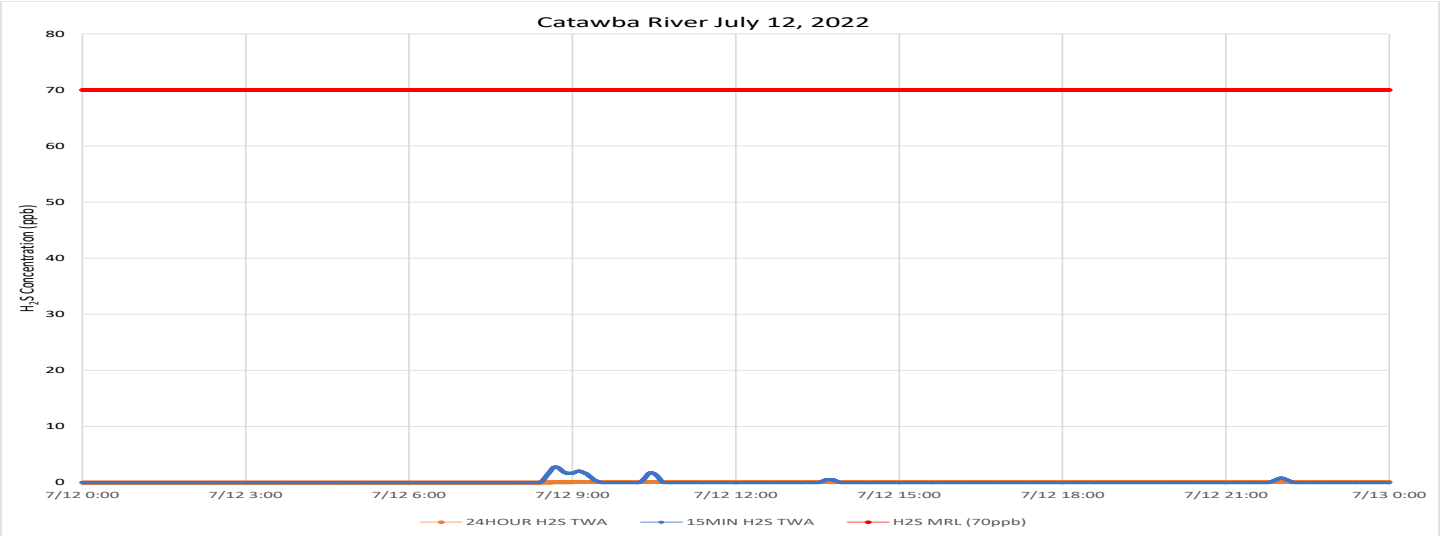


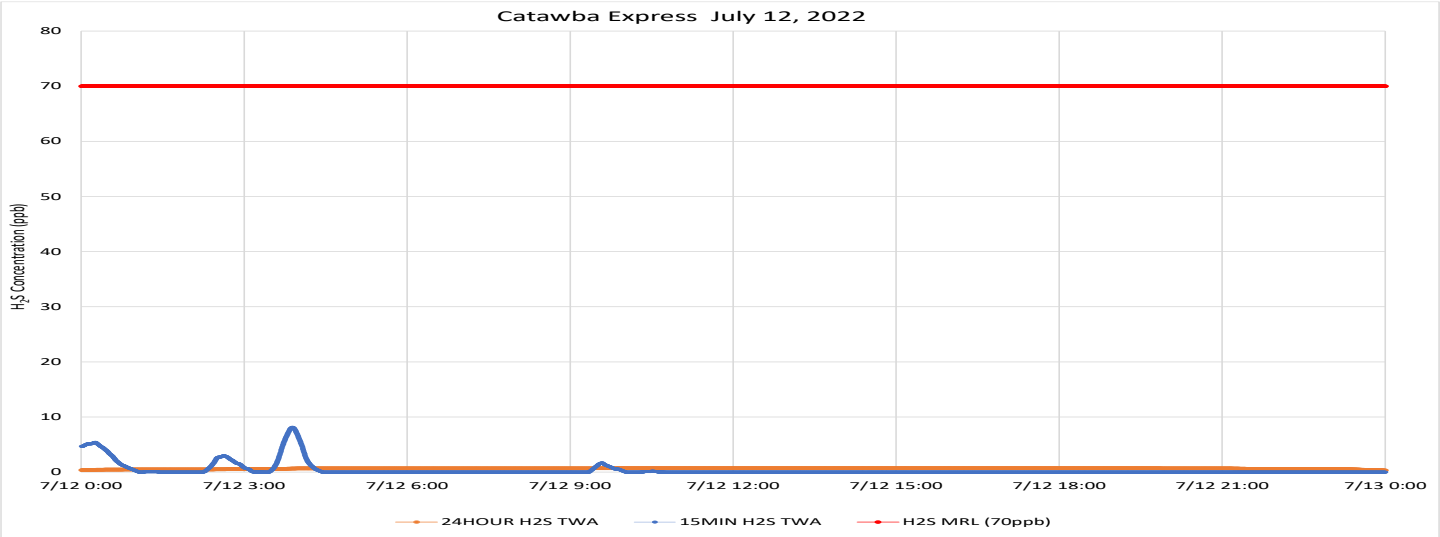
H_2S in South Carolina

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

Winds calm in the early morning hours and from the south southwest to west southwest for the remainder of the period.







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

Very short data interruptions (<10 minutes) were noted at each of three sites in the late afternoon. The gaps are indicated in the charts. All reported summary data 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: **H_2S in South Carolina**

From: **7/13/22 12:00 AM** ***To:*** **7/13/22 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	2866	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 3	H2S	No	2866	409	0 - 11 ppb	0.57 ppb	70 ppb

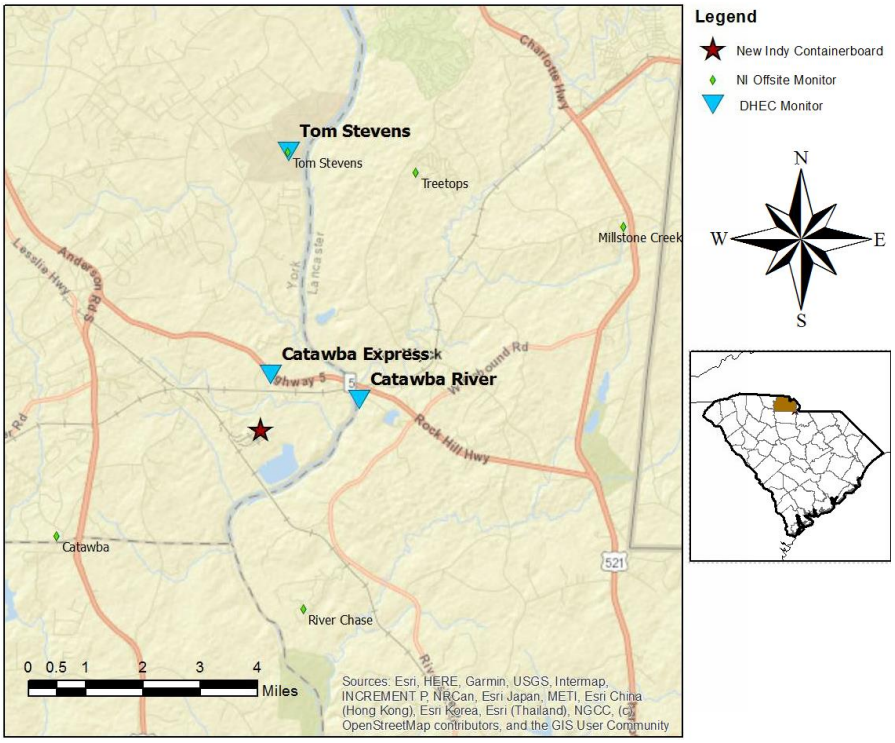
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2864	229	0 - 3 ppb	0.14 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.

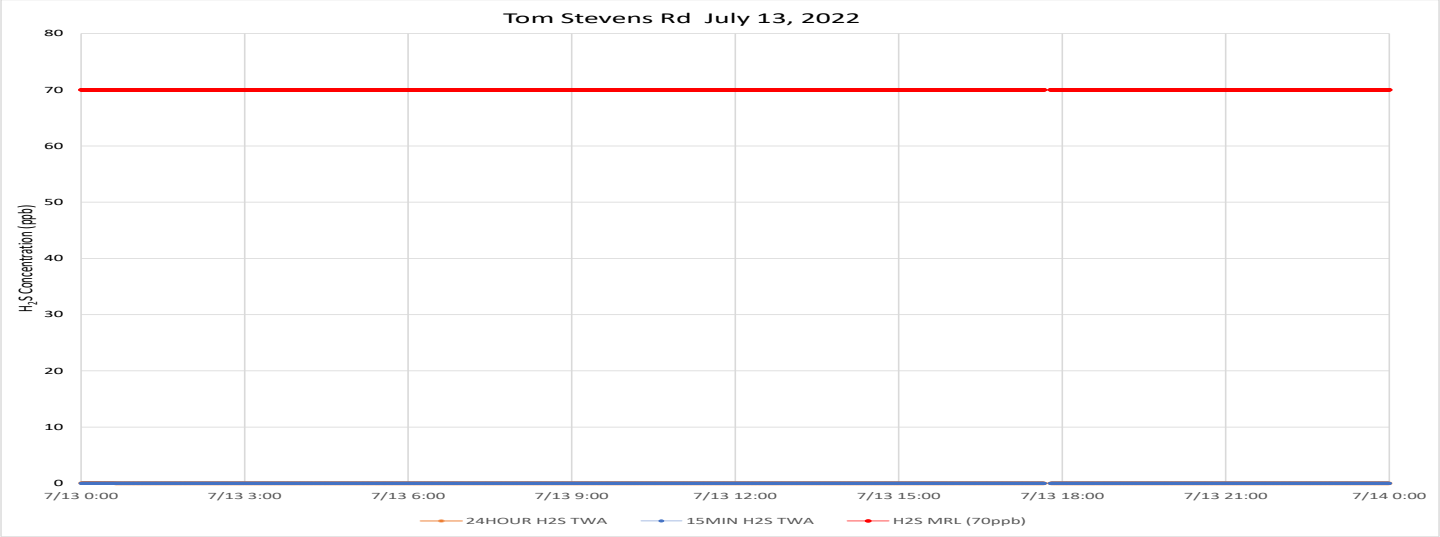
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

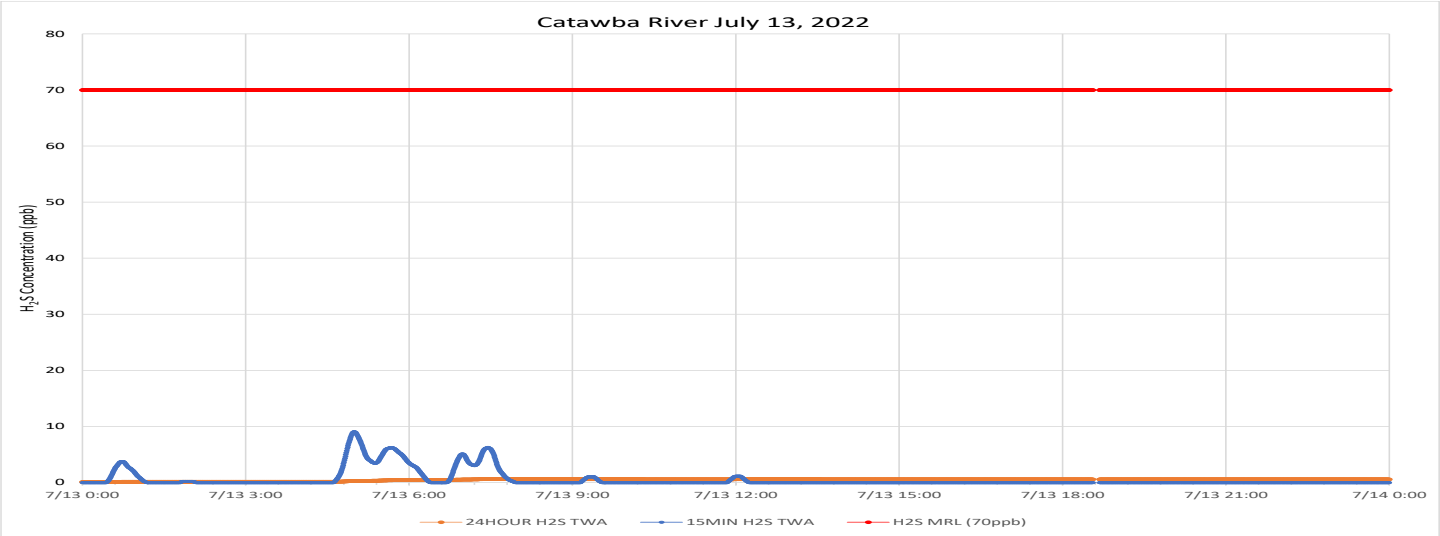


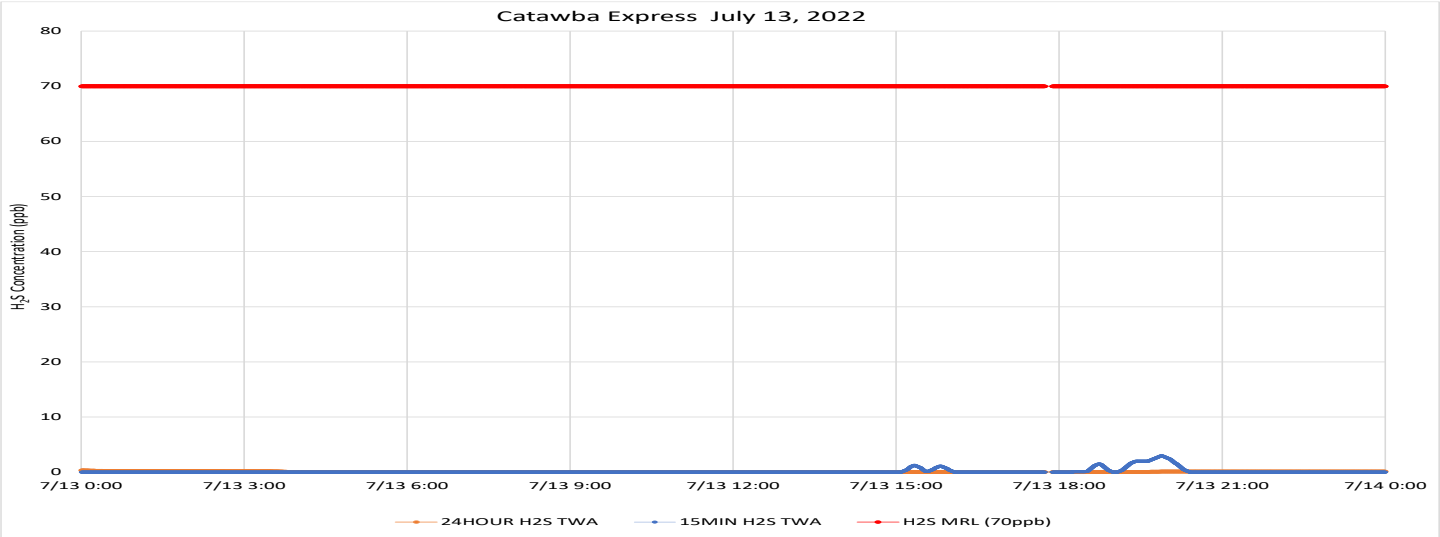
H_2S in South Carolina

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

During this period, winds came from the south southwest to west, shifting to coming from the southeast for several hours in the early evening.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/14/22 12:00 AM** ***To:*** **7/14/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	976	0 - 11 ppb	1.41 ppb	70 ppb

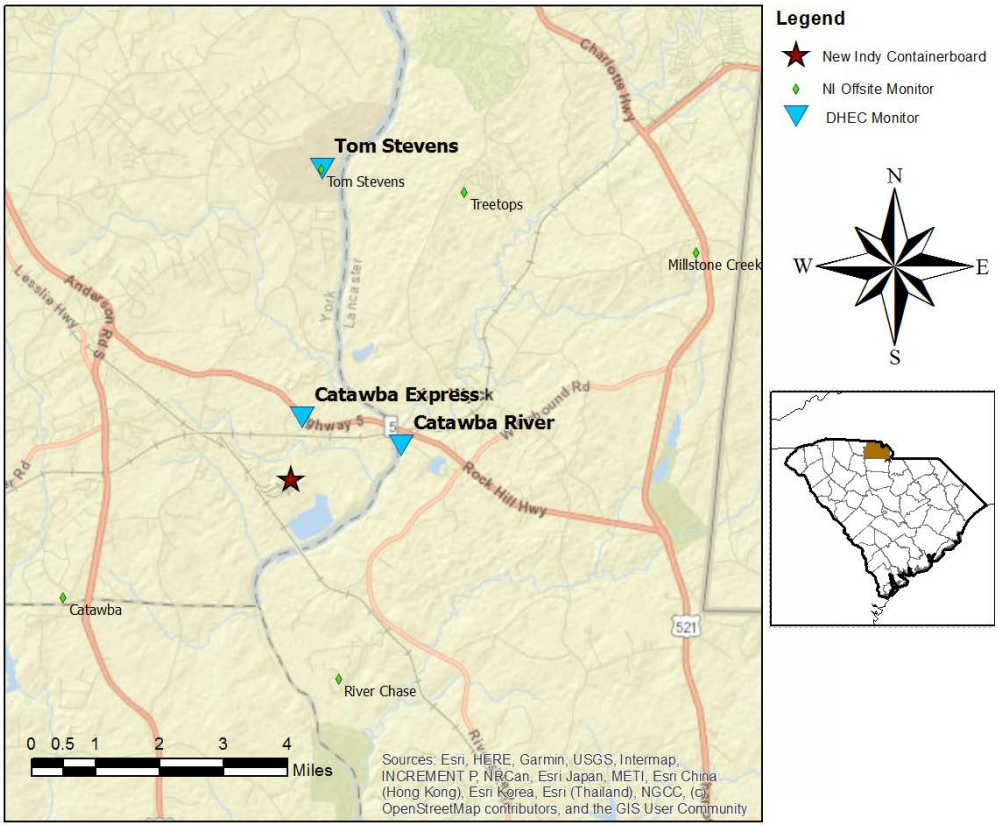
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2875	7	0 - 1 ppb	0 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.

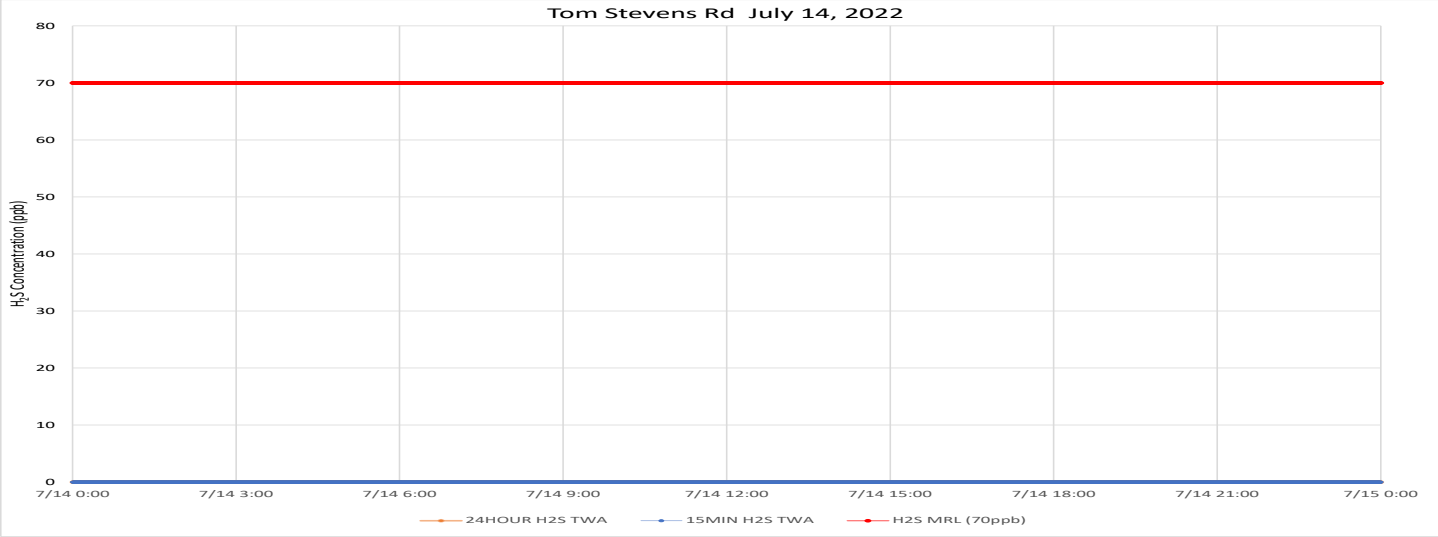
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

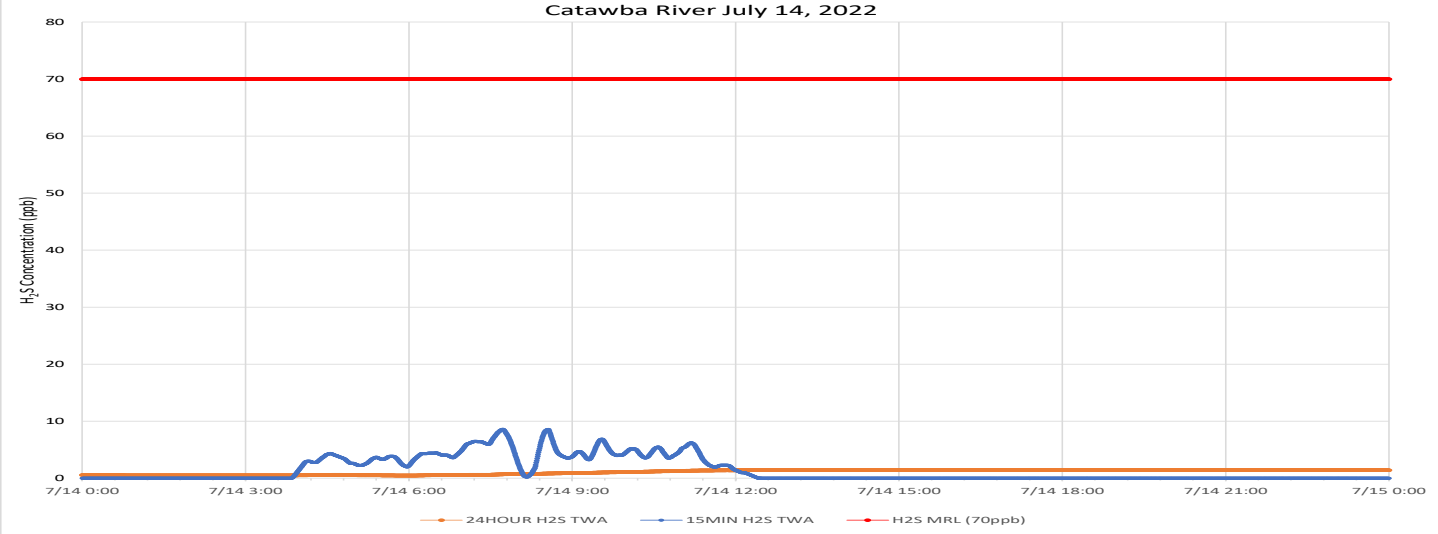


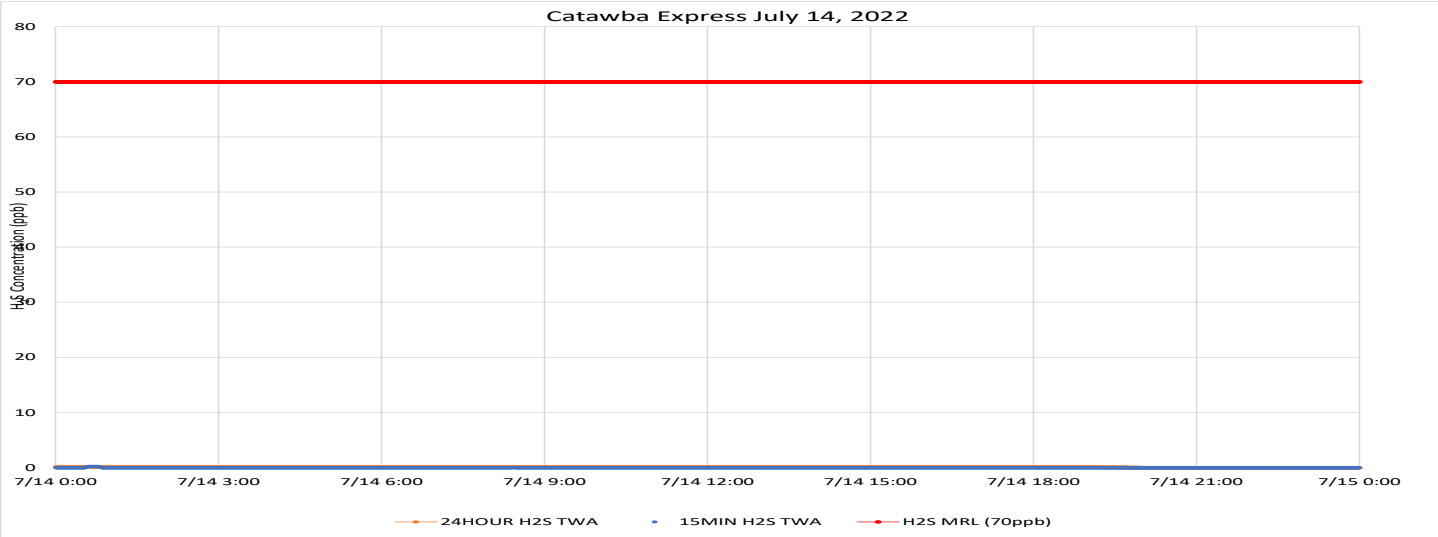
H_2S in South Carolina

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

Winds variable this period, coming from southwest to west southwest before dawn, from the northwest early morning, from the northeast around midday, and again from the southwest to close out the period.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/15/22 12:00 AM** ***To:*** **7/15/22 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	1	0 - 1 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 3	H2S	No	2880	906	0 - 16 ppb	1.75 ppb	70 ppb

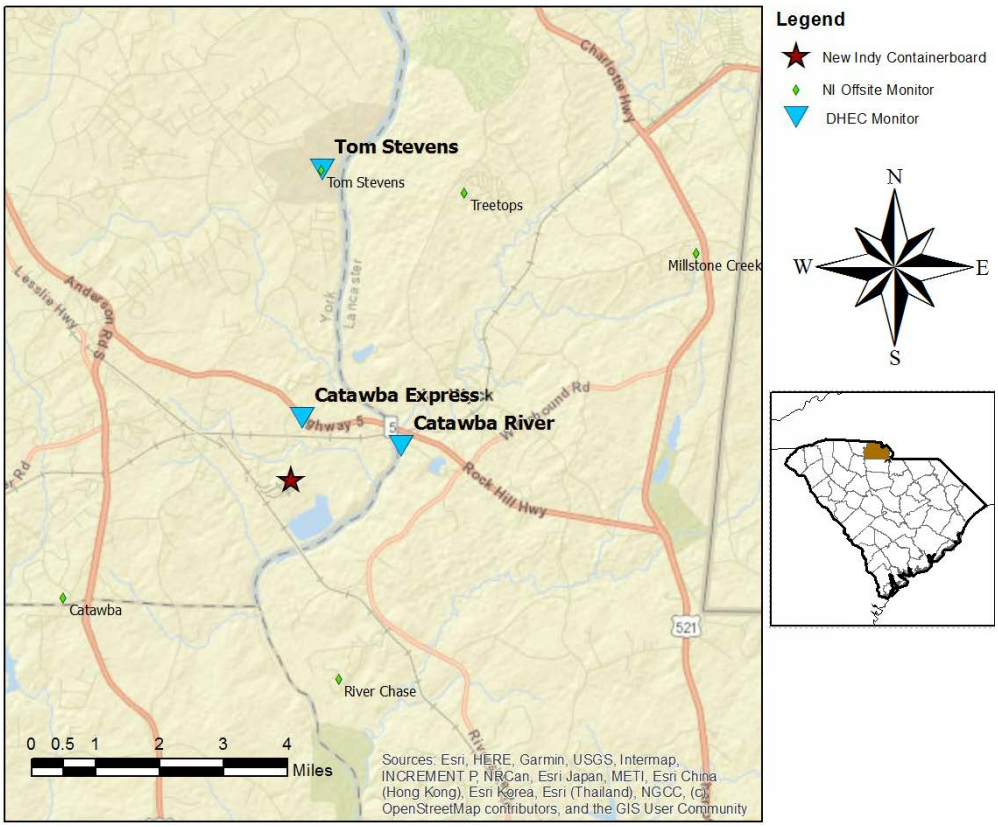
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	962	0 - 16 ppb	1.15 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.

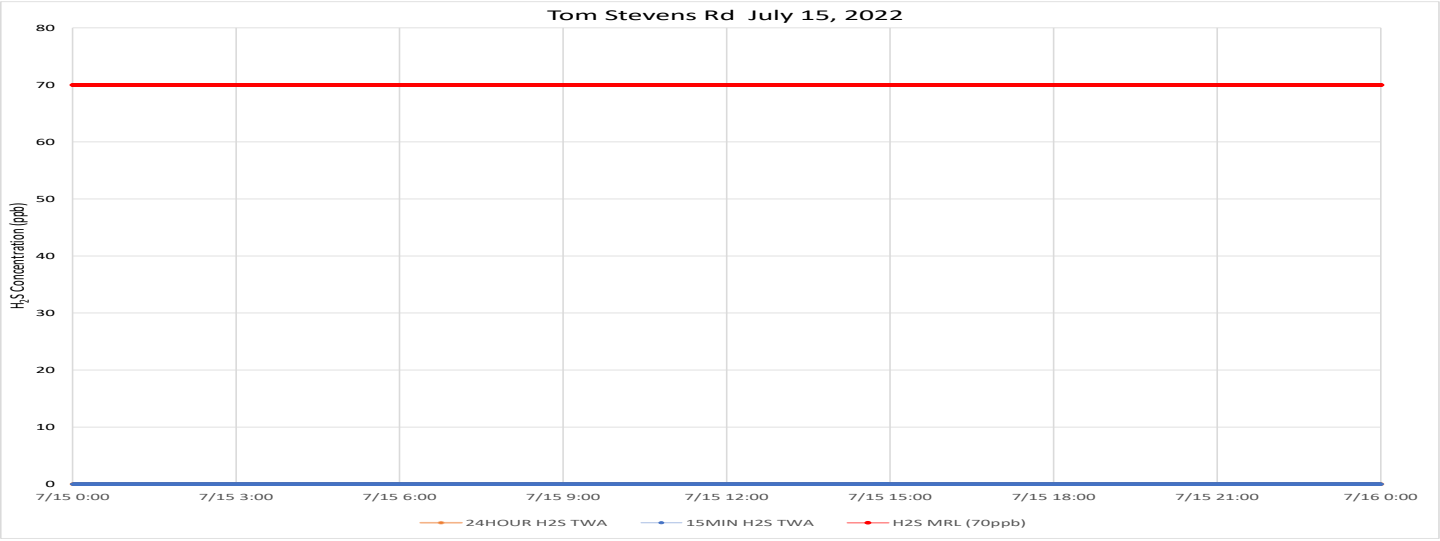
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

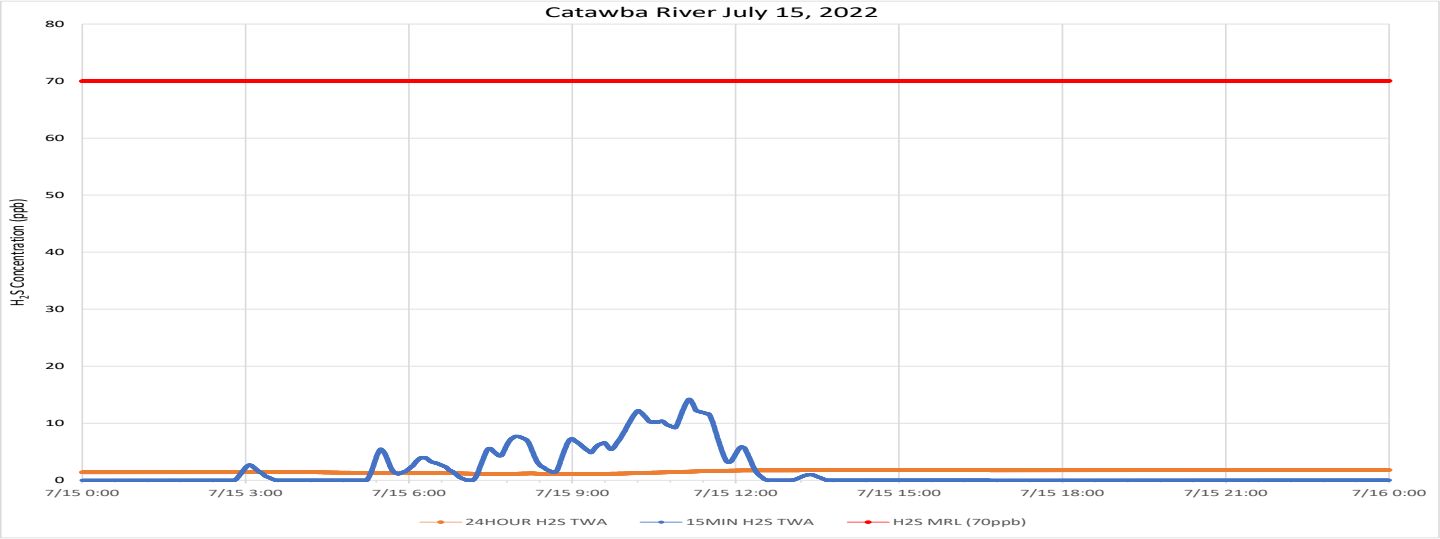


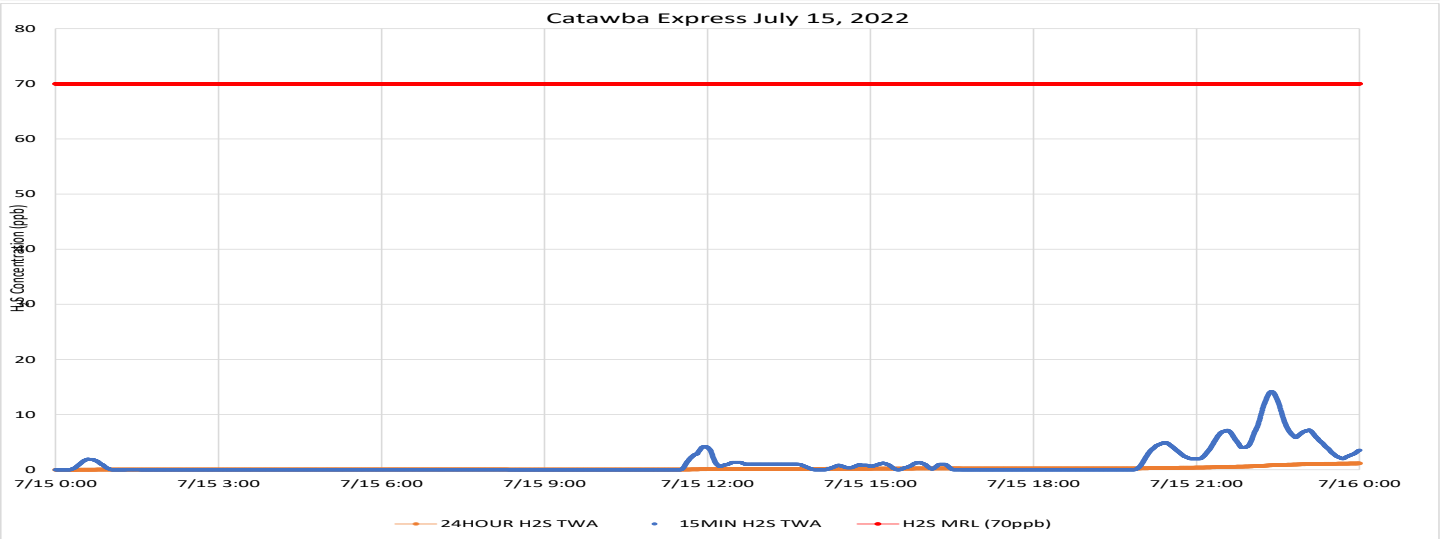
H_2S in South Carolina

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

Winds were from the southwest to west southwest in the early morning hours, becoming calm through midday. Winds were light and variable the remainder of the period , coming from the southeast to west southwest.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/16/22 12:00 AM** ***To:*** **7/16/22 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	266	0 - 4 ppb	0.15 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	110	0 - 3 ppb	0.06 ppb	70 ppb

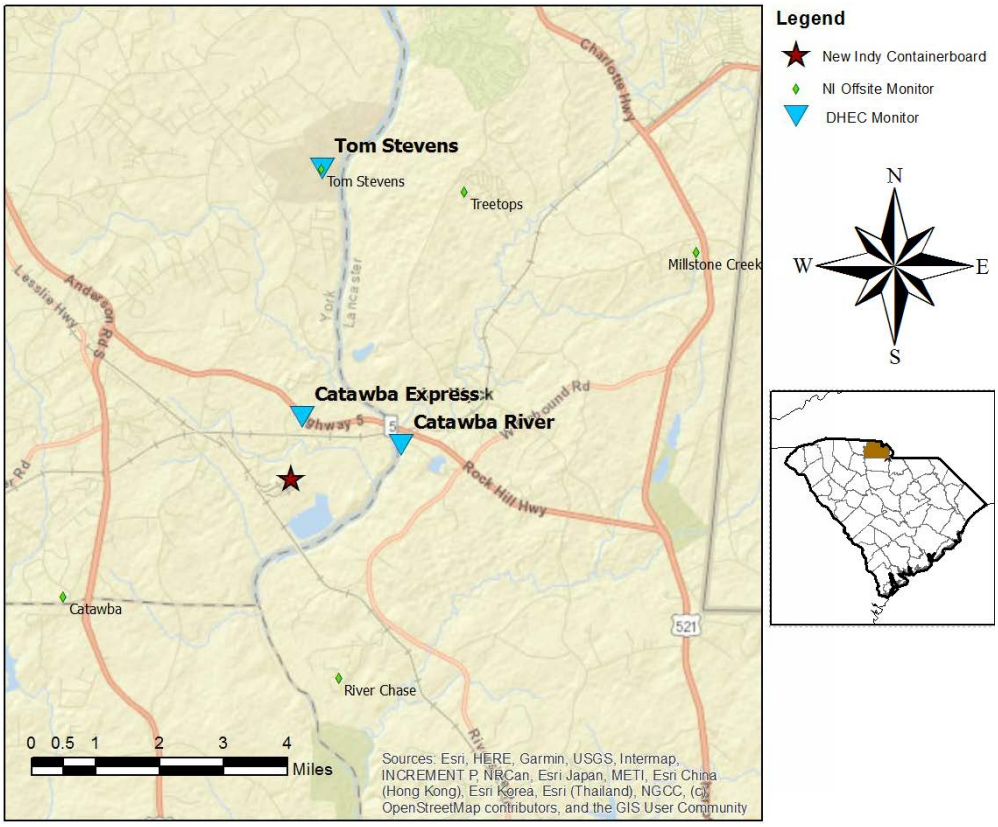
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	1156	0 - 10 ppb	1.25 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.

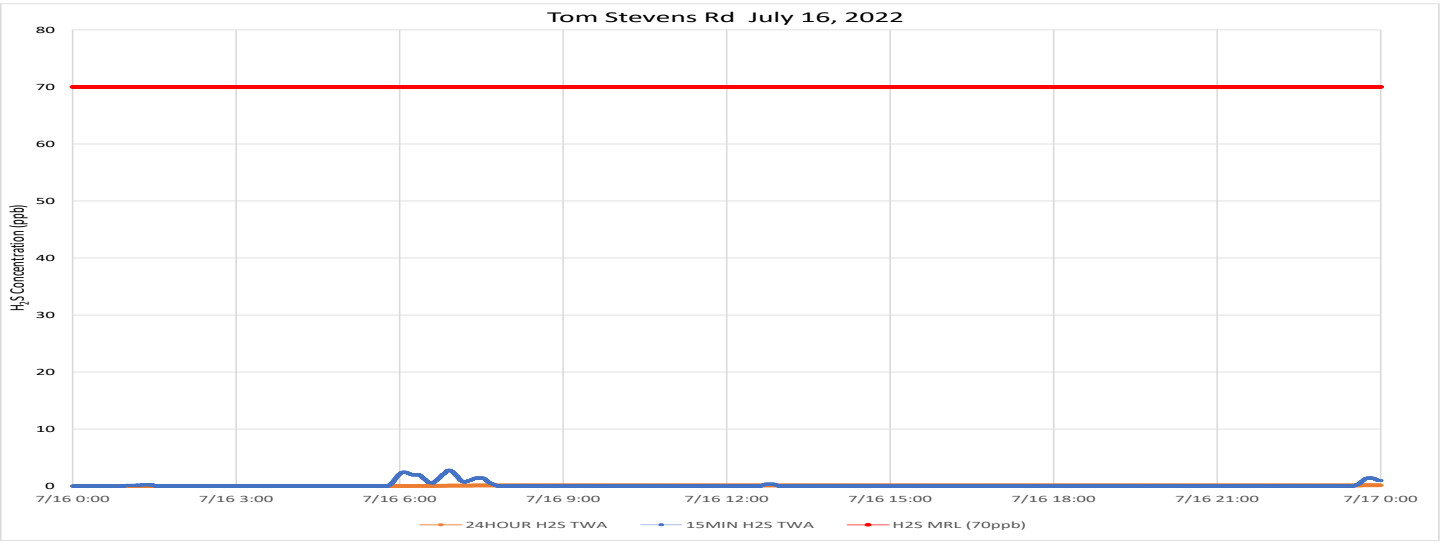
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

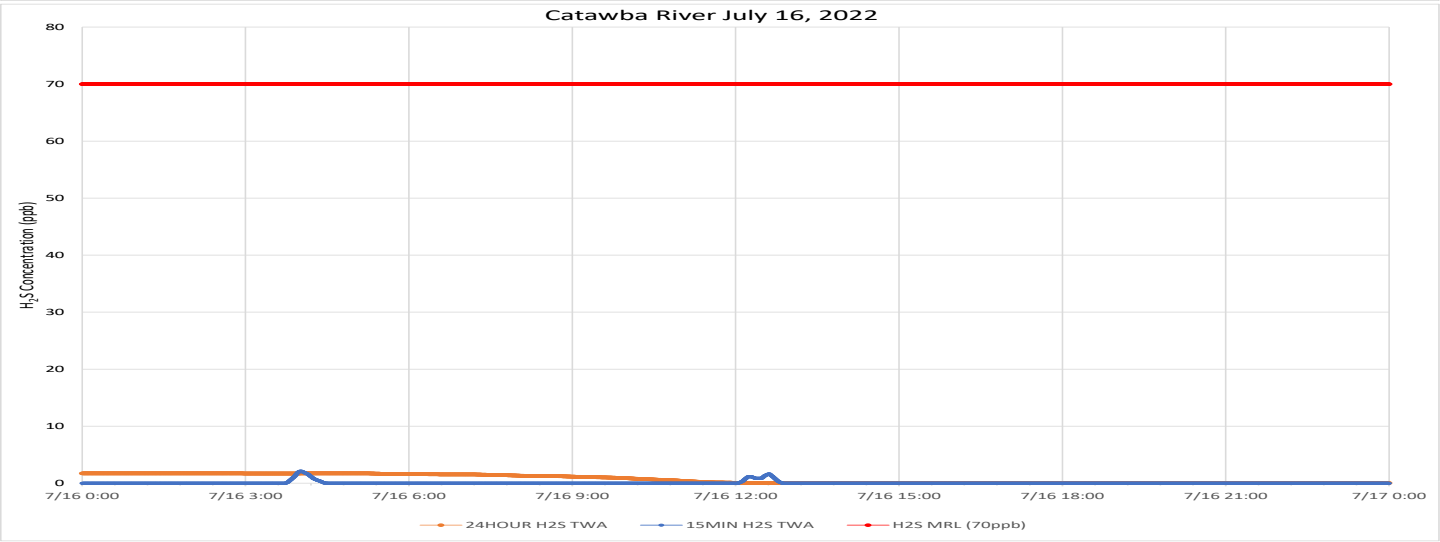


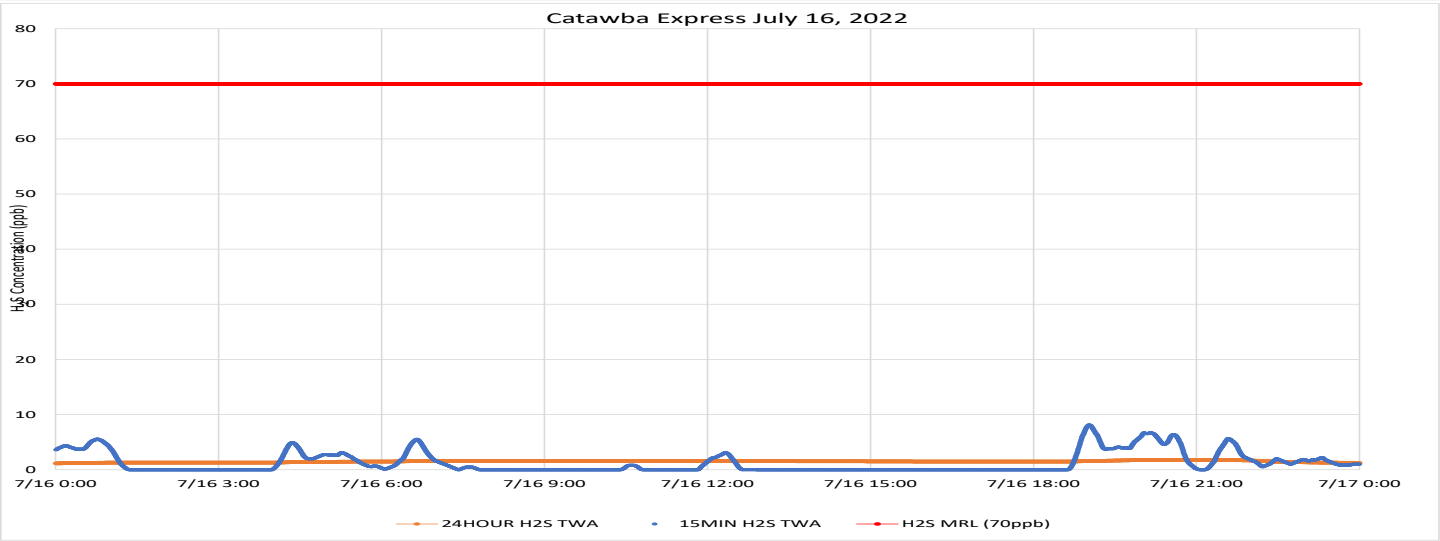
H_2S in South Carolina

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

Winds were from the south southwest to west throughout the period except for a short period of wind from the northeast in the late afternoon.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/17/22 12:00 AM** ***To:*** **7/17/22 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	930	0 - 5 ppb	0.87 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	177	0 - 5 ppb	0.12 ppb	70 ppb

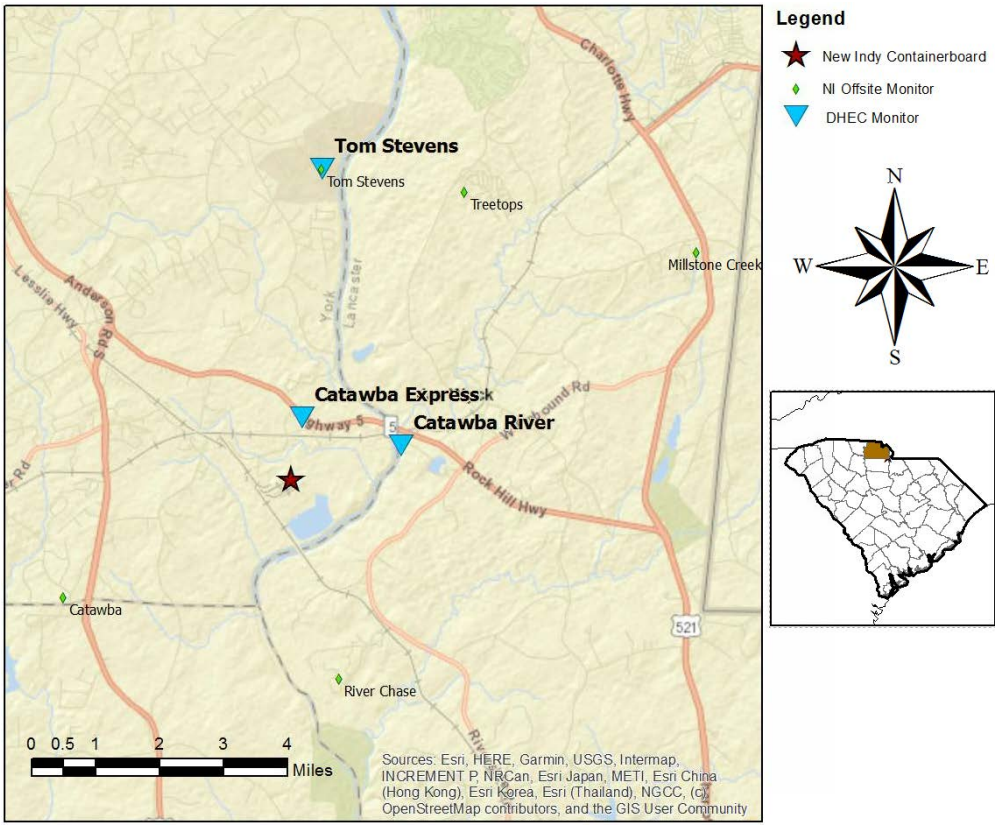
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	1273	0 - 7 ppb	1.07 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.

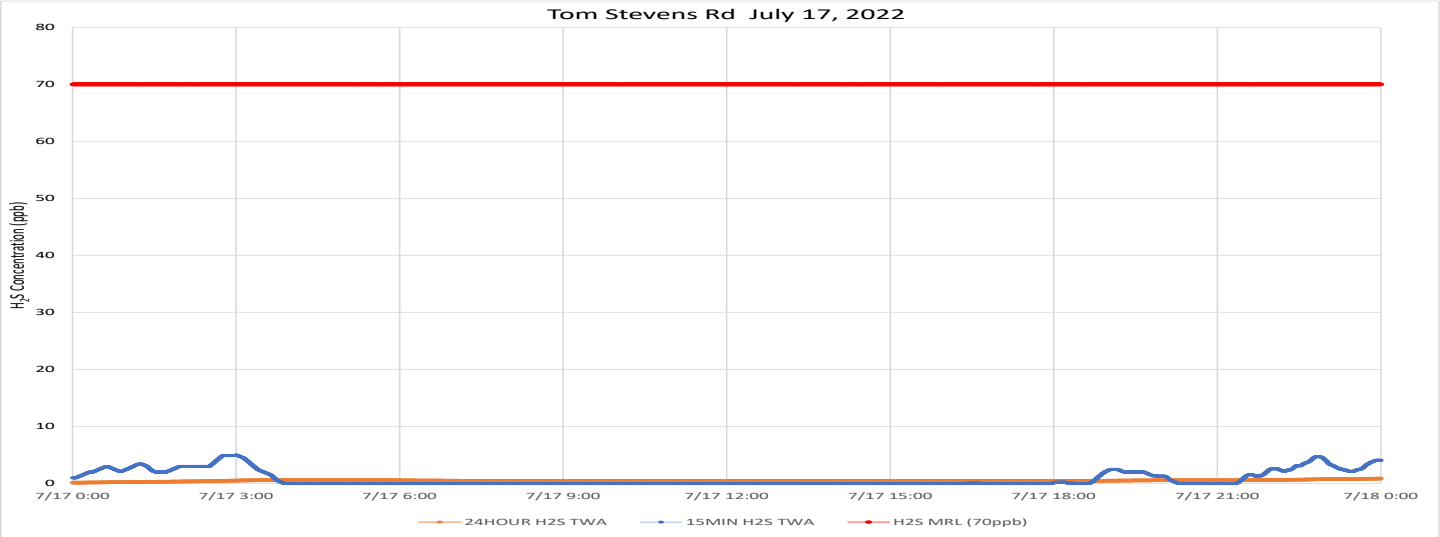
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

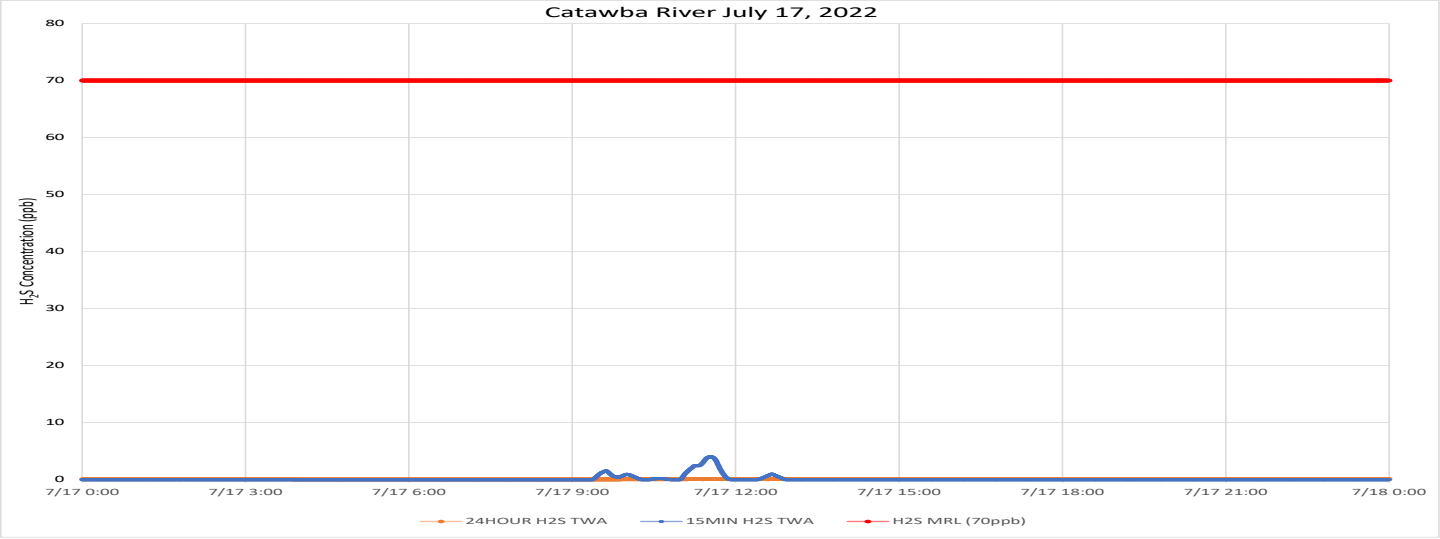


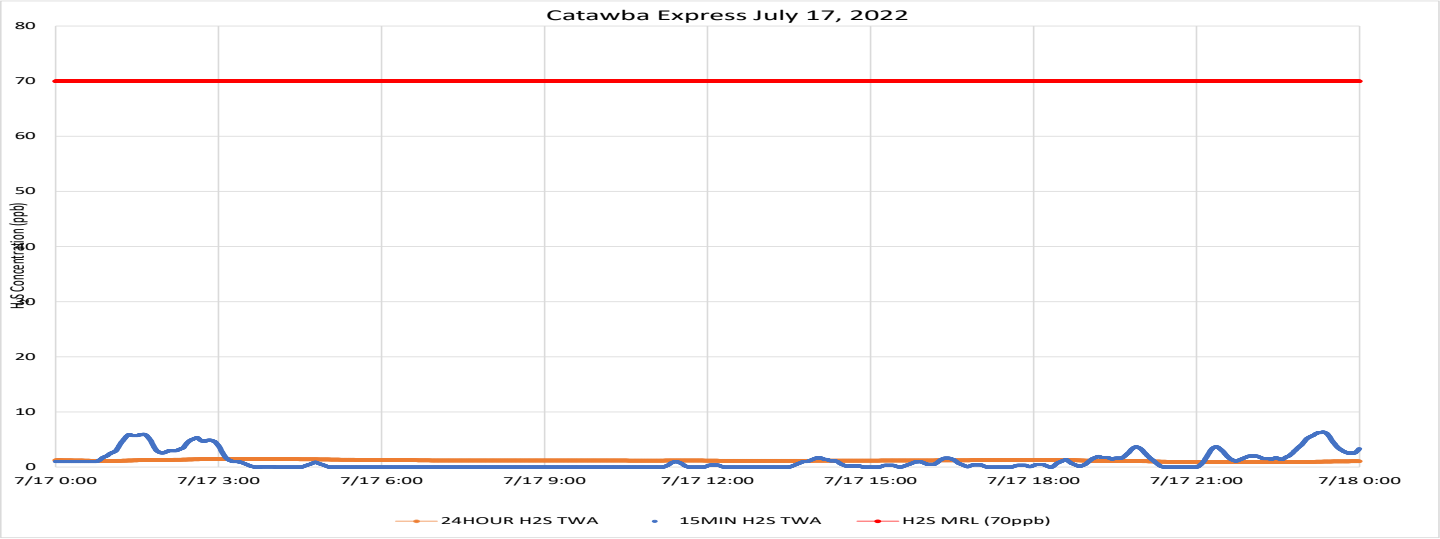
H_2S in South Carolina

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

Winds were from the south southwest to southwest throughout the period.







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

There was an approximately 2-hour data interruption at the Catawba Express site as noted in the table and illustrated on the graph. All reported summary data 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: **H_2S in South Carolina**

From: **7/18/22 12:00 AM** ***To:*** **7/18/22 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	693	0 - 5 ppb	0.57 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	260	0 - 6 ppb	0.2 ppb	70 ppb

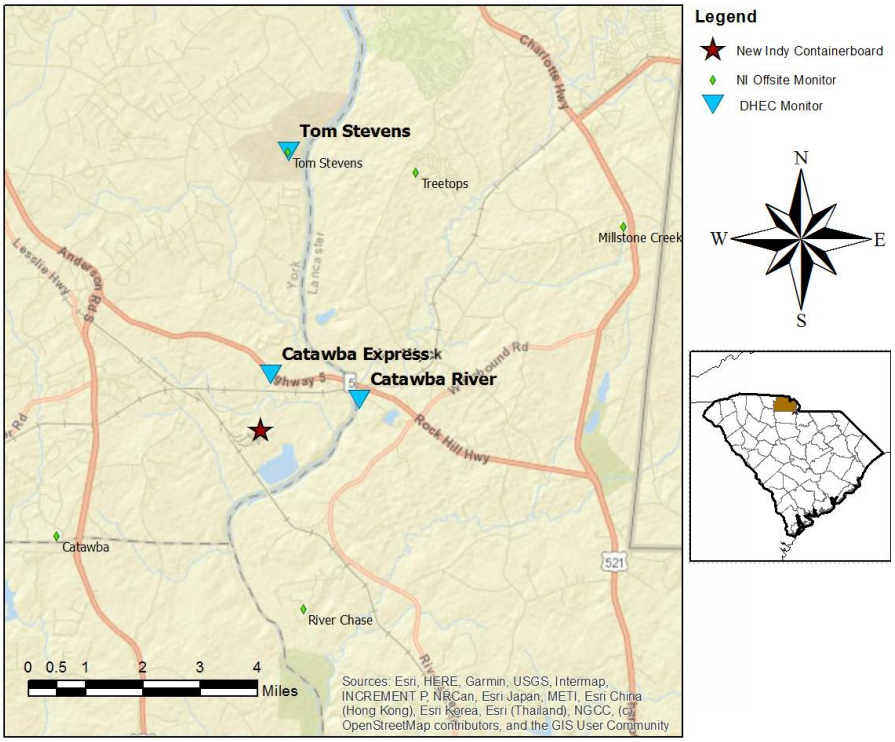
Catawba Express 0000-0650,0909-2399

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Partial Period Average	ATSDR MRL
SPM Flex 2	H2S	No	3194	1925	0 - 9 ppb	2.5 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.

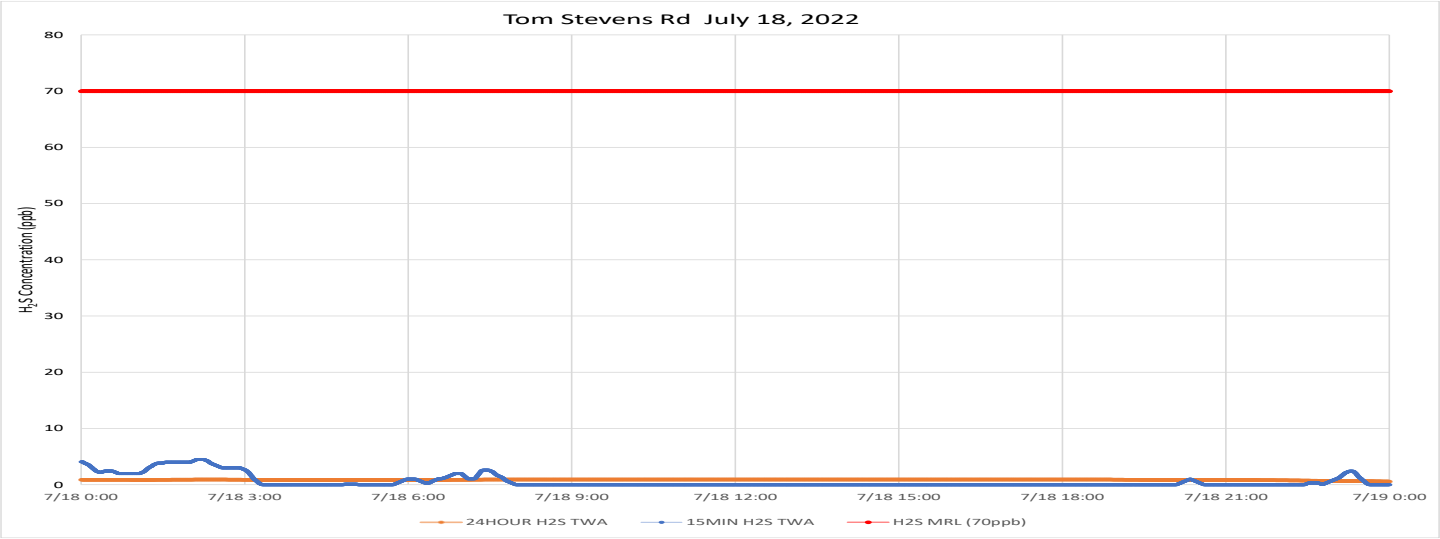
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

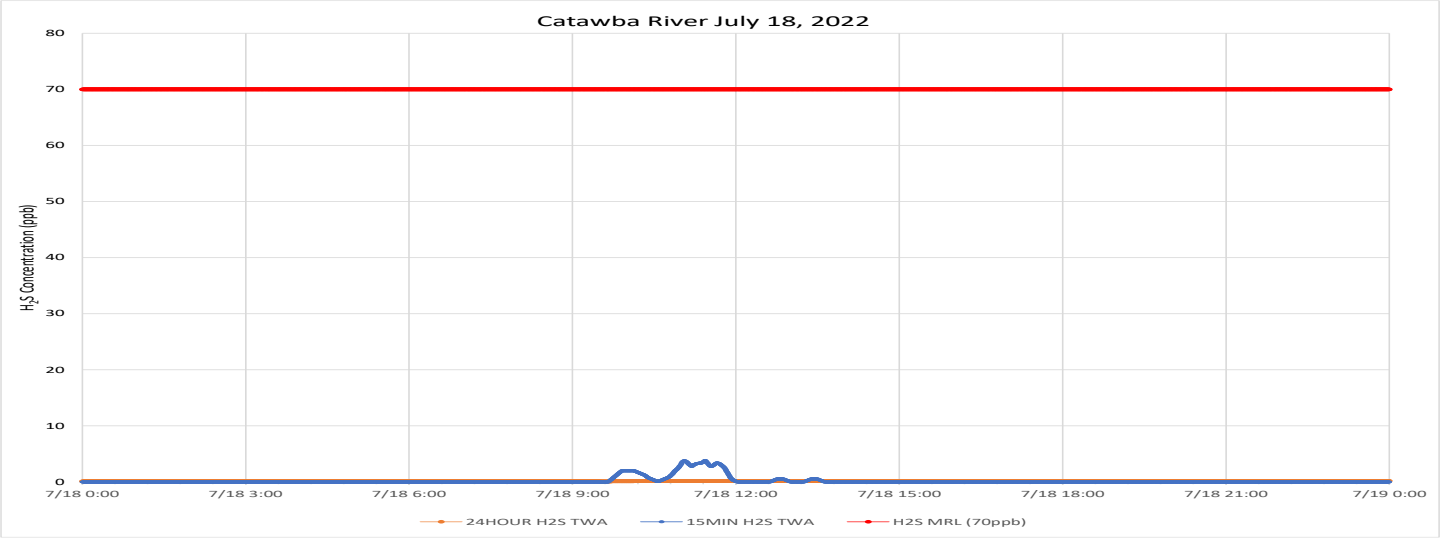


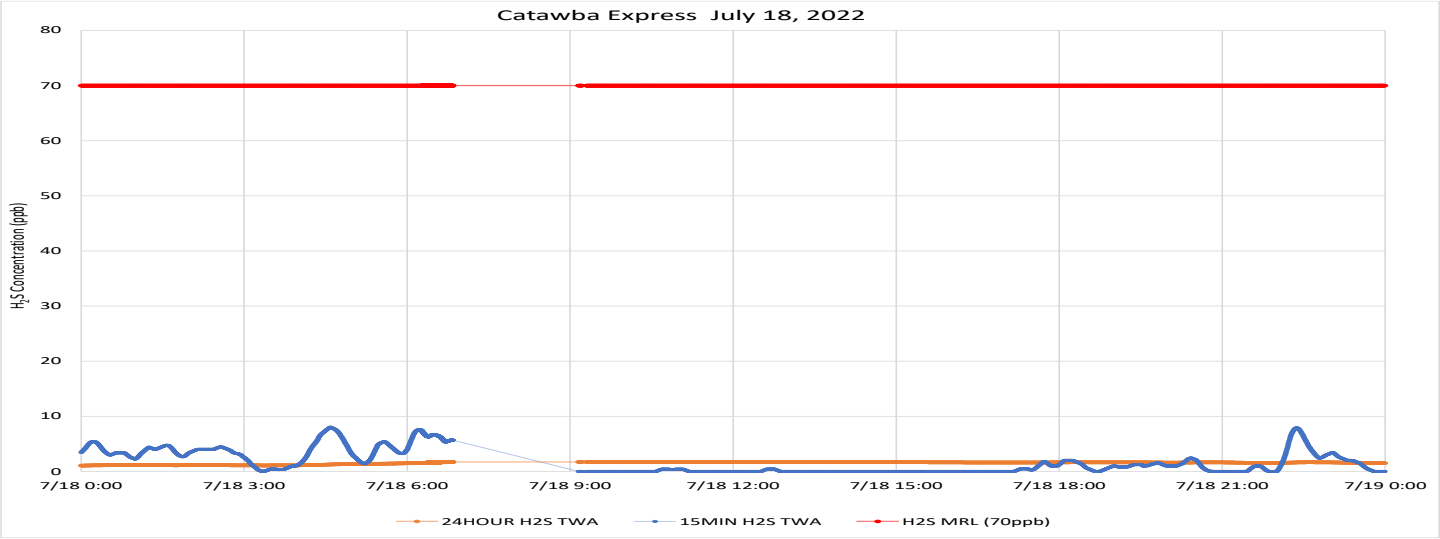
H_2S in South Carolina

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

During this period, winds came from the south southwest to west southwest.







Notes: Time is Eastern Standard Time H_2S – 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: **H_2S in South Carolina**

From: **7/19/22 12:00 AM** ***To:*** **7/19/22 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	41	0 - 3 ppb	0.03 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	1189	0 - 15 ppb	1.22 ppb	70 ppb

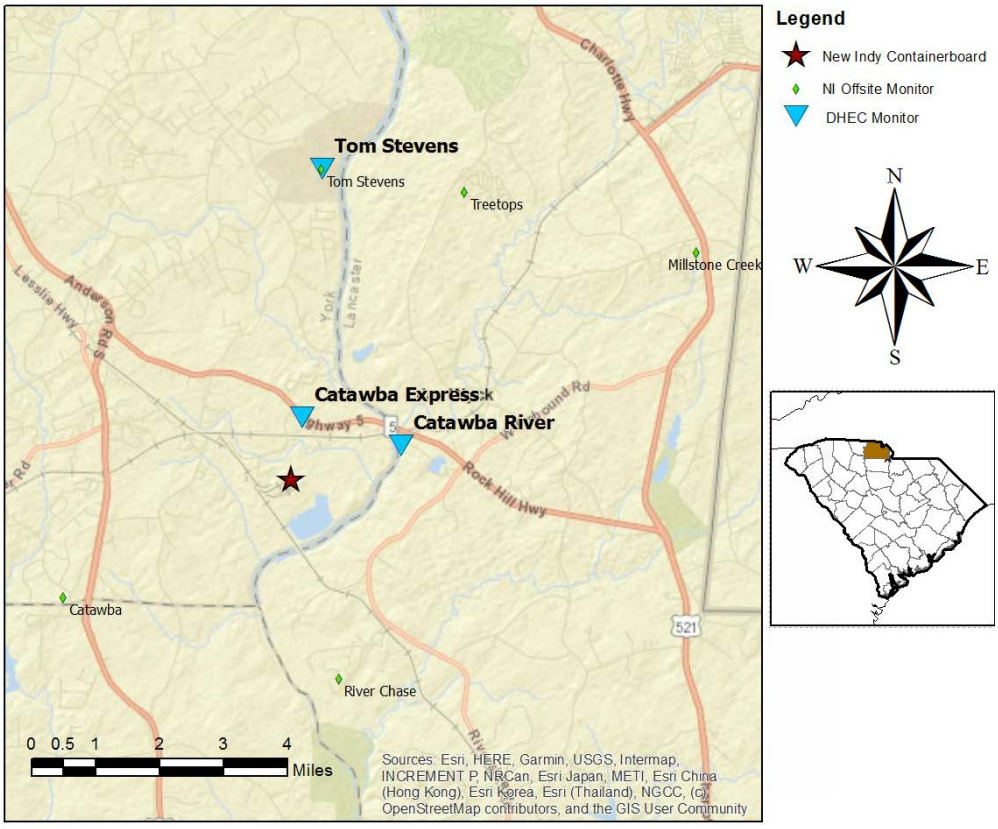
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	116	0 - 4 ppb	0.11 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.

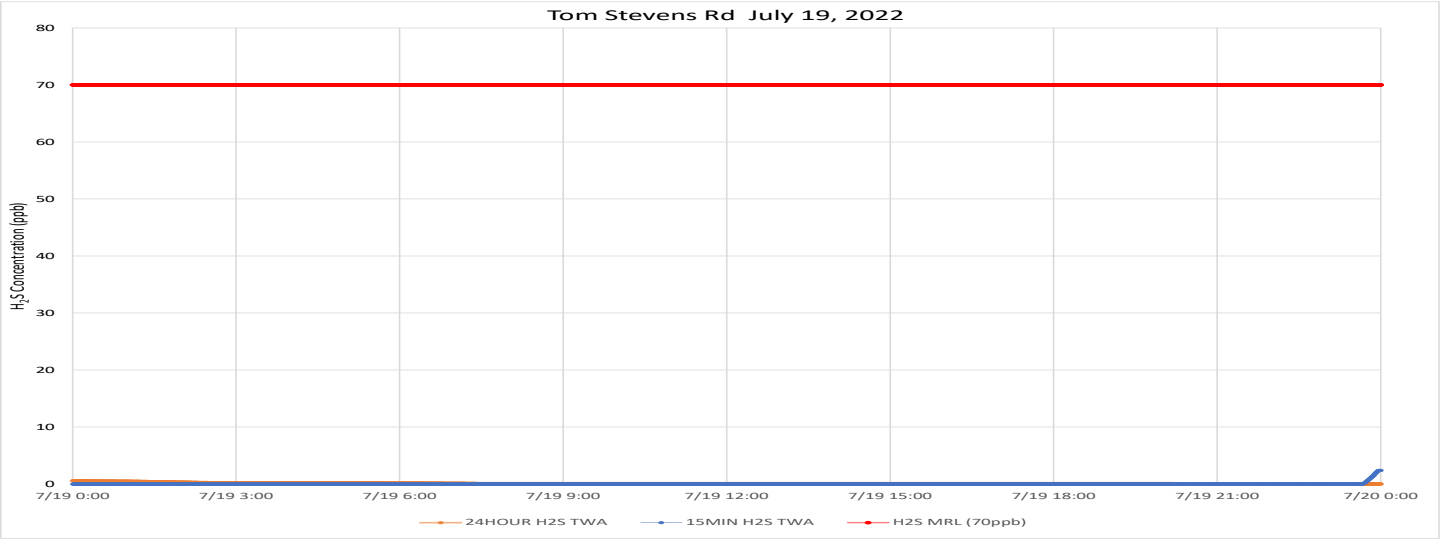
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

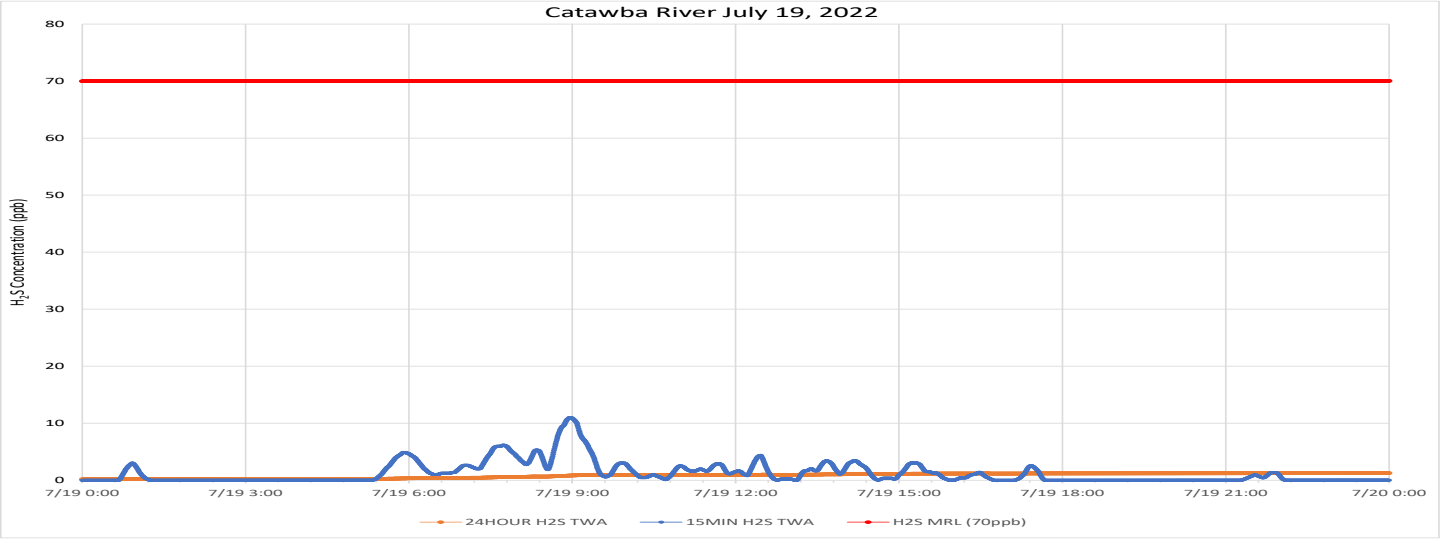


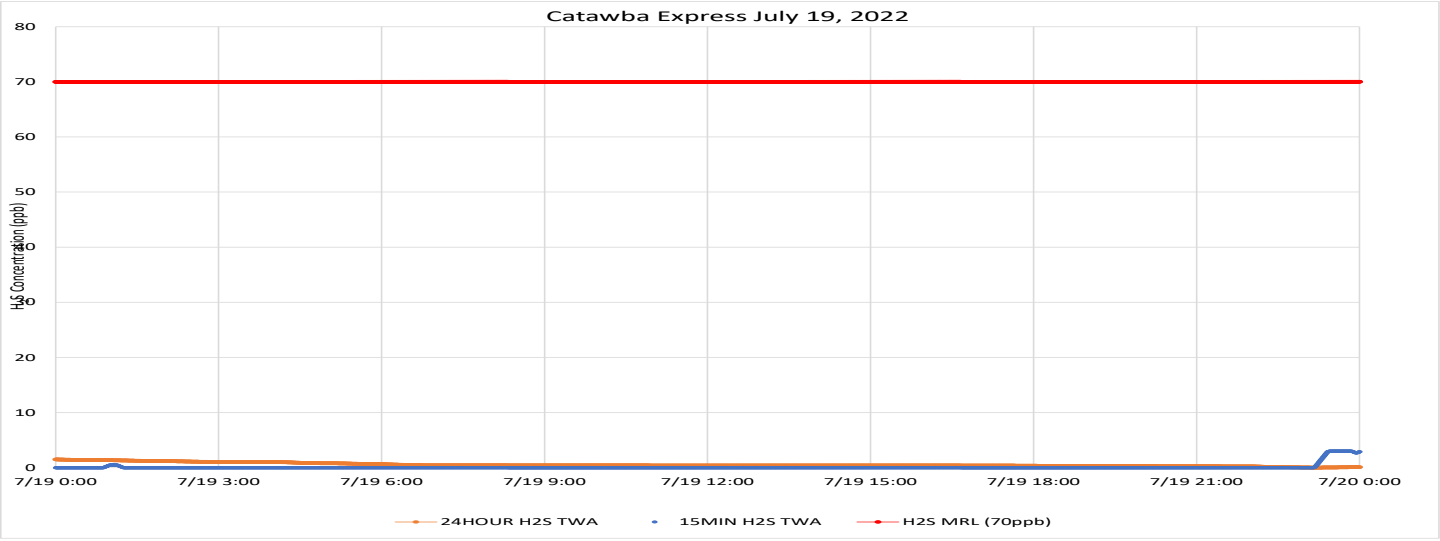
H_2S in South Carolina

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

Winds were generally from the south southwest to west throughout the period. During the midday hours , winds were lighter, more variable, and occasionally more from the west northwest.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/20/22 12:00 AM** ***To:*** **7/20/22 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	6883	562	0 - 3 ppb	0.15 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	651	0 - 9 ppb	0.57 ppb	70 ppb

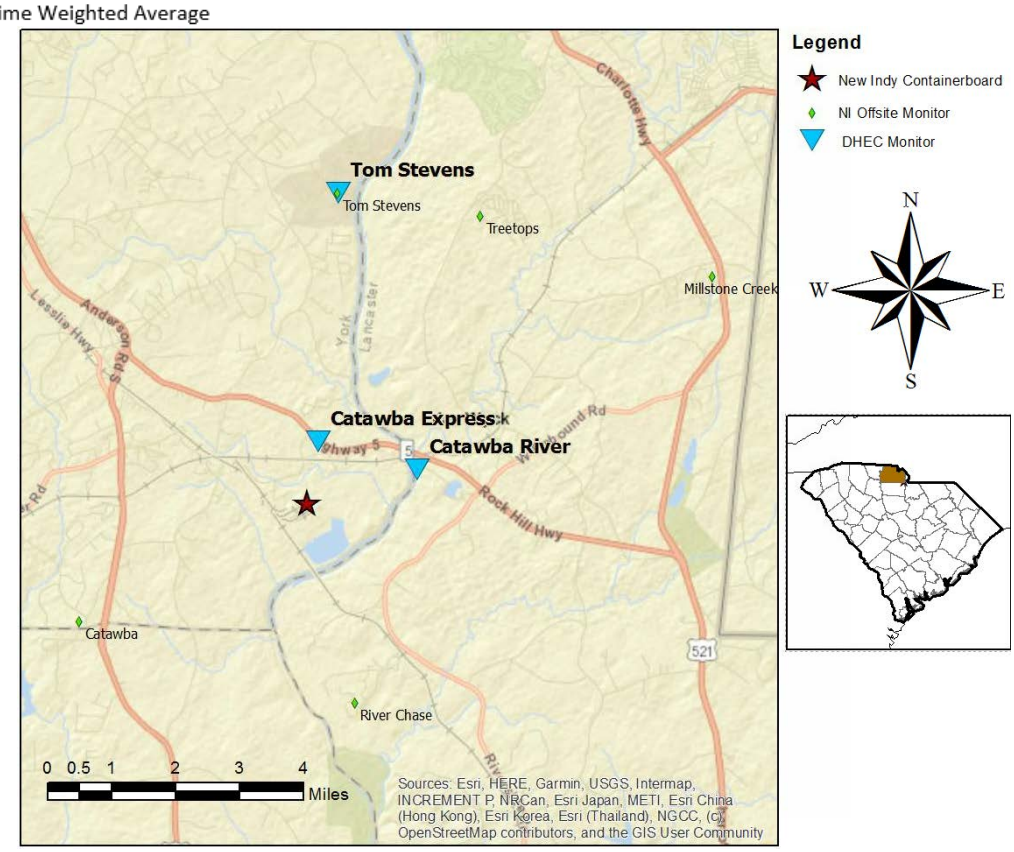
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	192	0 - 6 ppb	0.16 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.

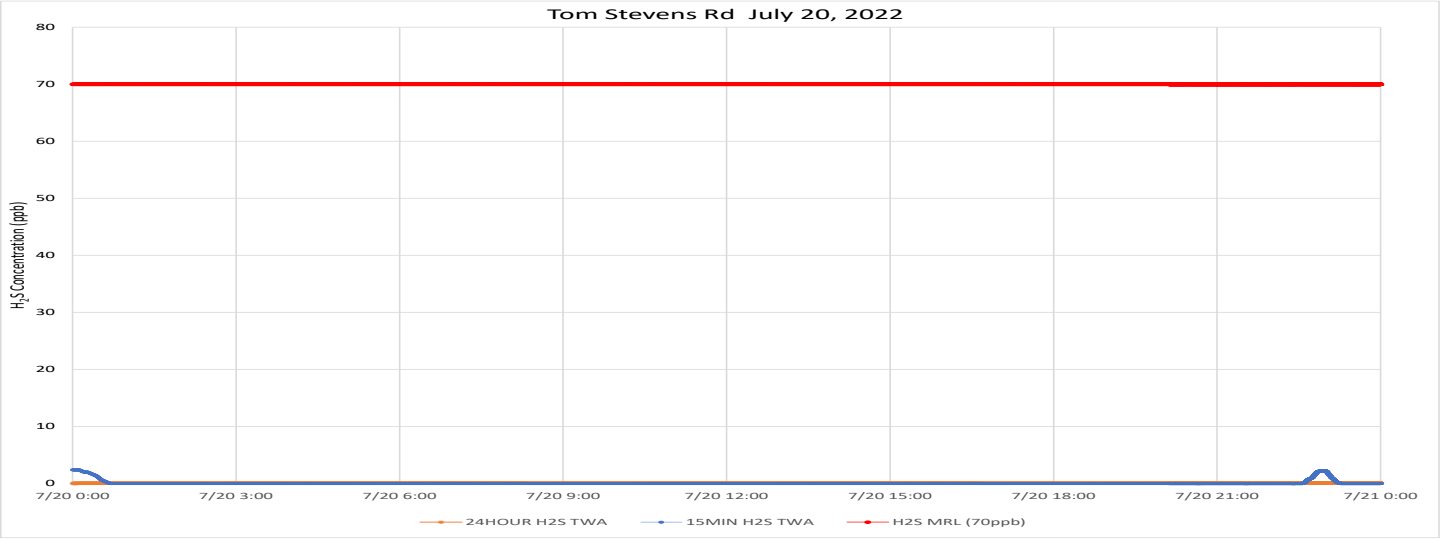
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

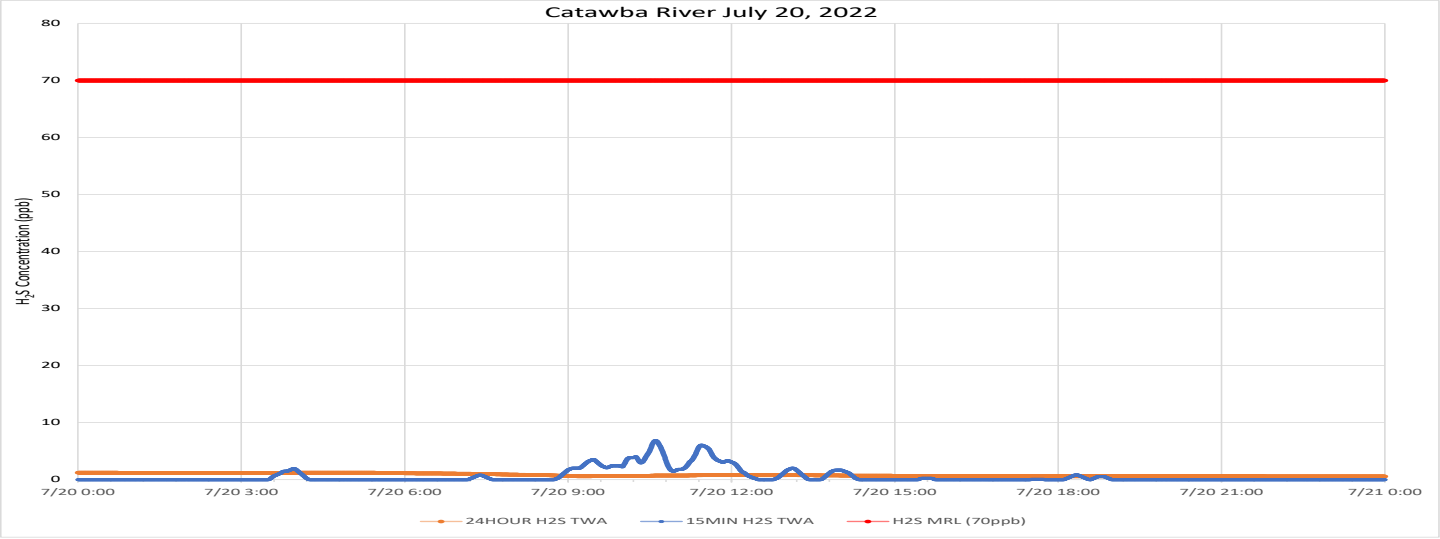


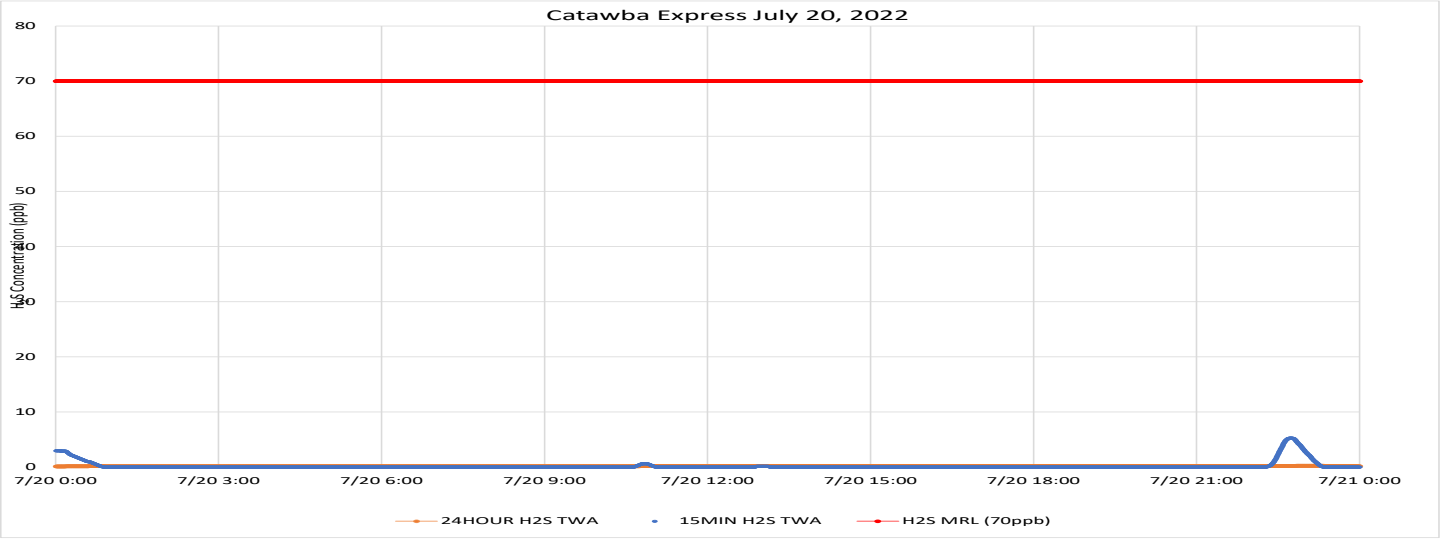
H_2S in South Carolina

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

Winds were consistently from the south southwest to west throughout the period







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/21/22 12:00 AM** ***To:*** **7/21/22 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	15282	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 3	H2S	No	2880	470	0 - 4 ppb	0.29 ppb	70 ppb

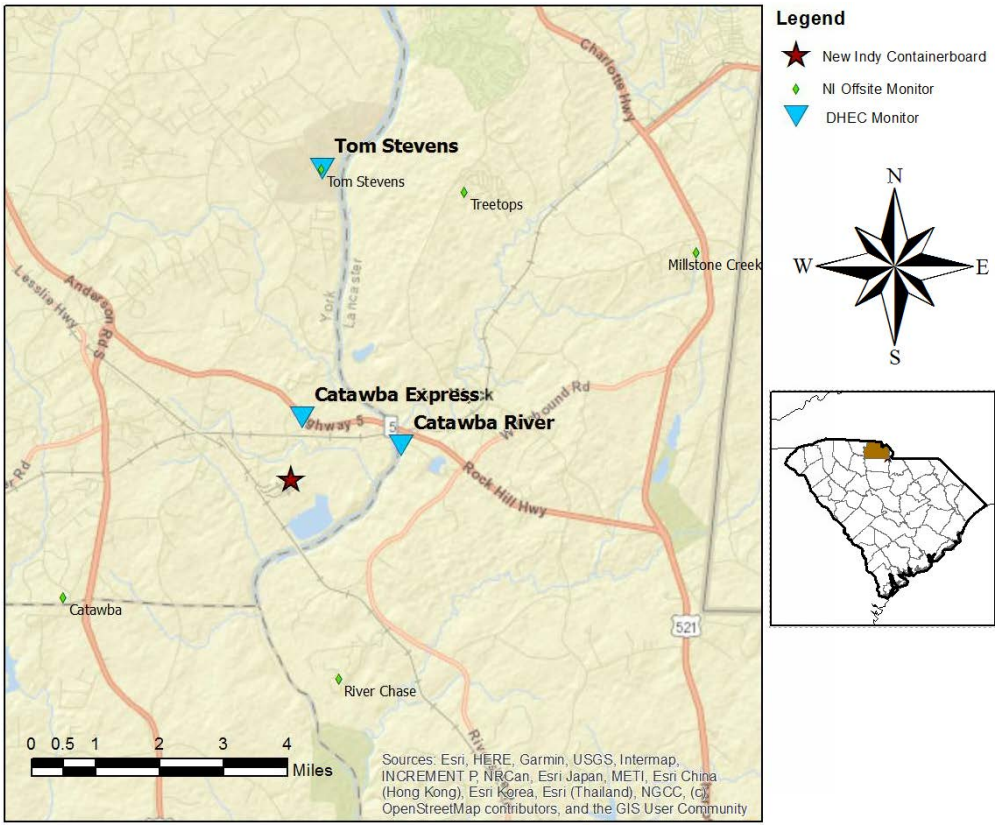
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	128	0 - 3 ppb	0.06 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.

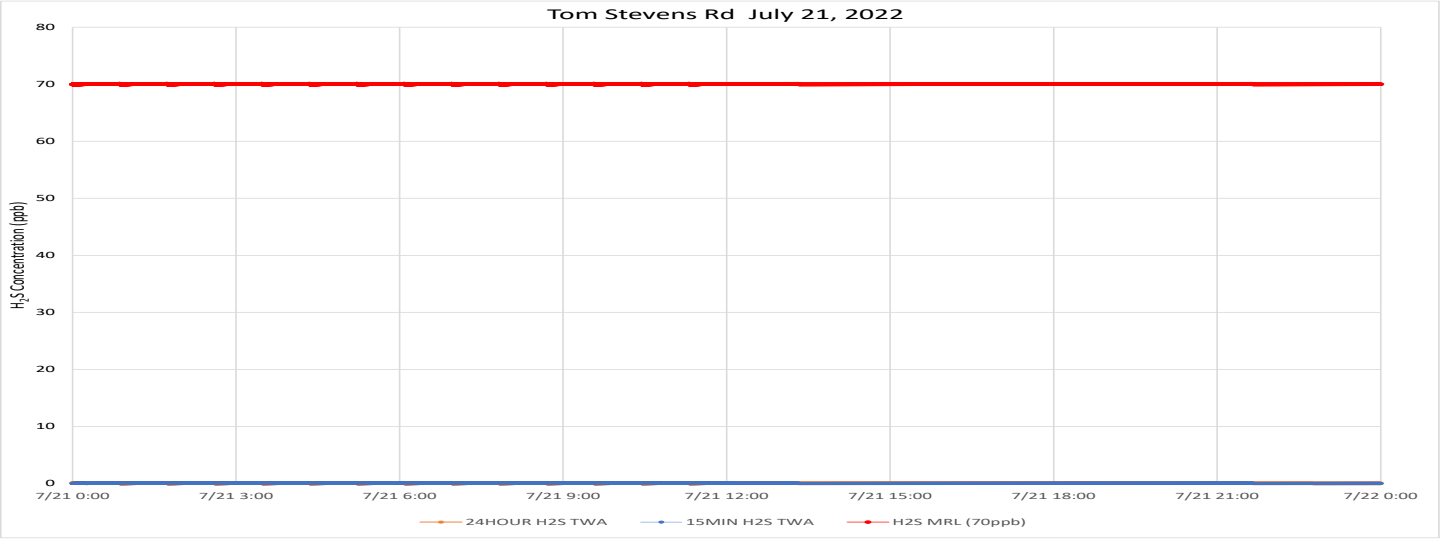
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

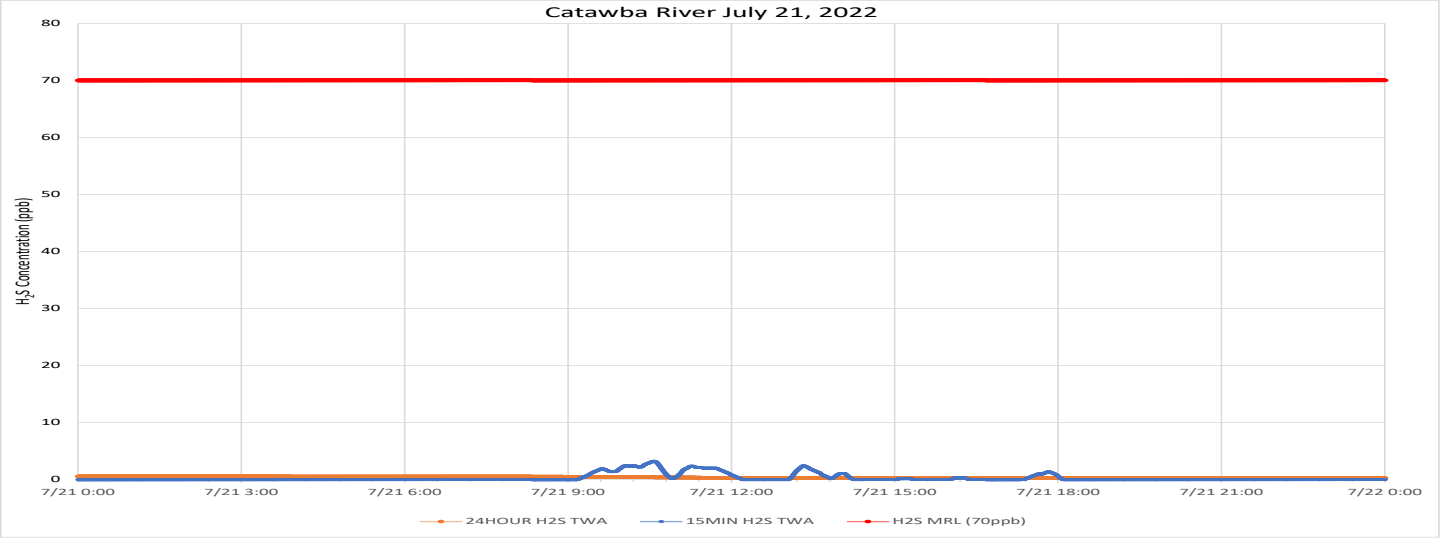


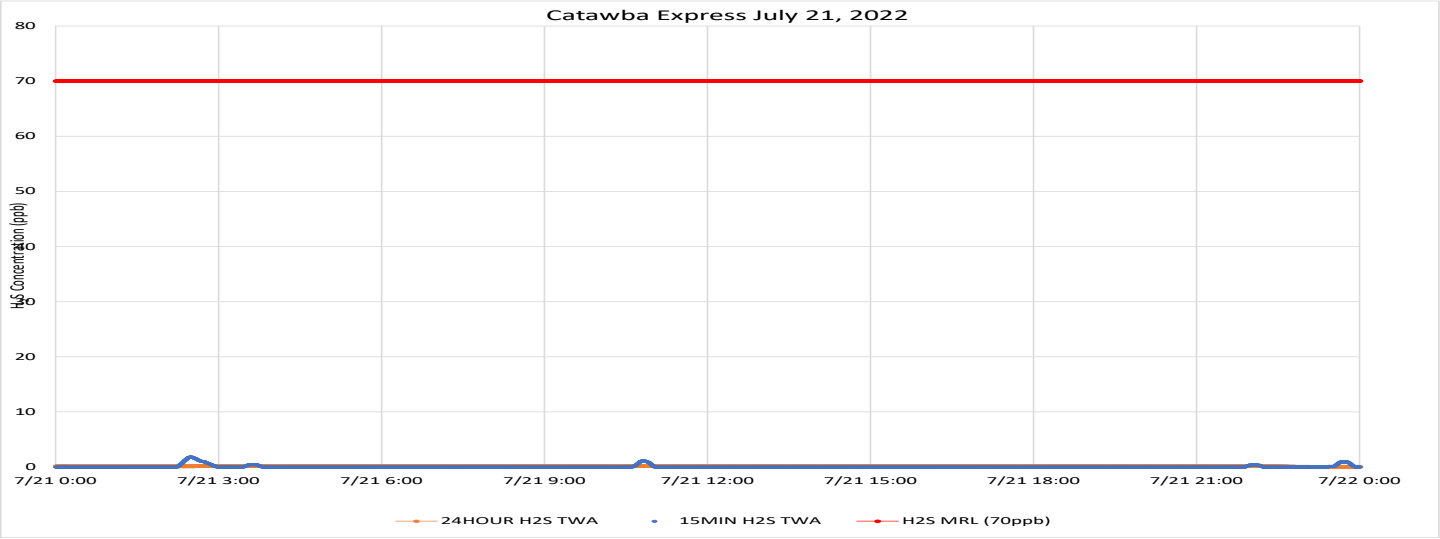
H_2S in South Carolina

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

Winds were consistently from the south southwest to west southwest throughout the period







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/22/22 12:00 AM** ***To:*** **7/22/22 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	485	0 - 6 ppb	0.36 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	361	0 - 14 ppb	0.5 ppb	70 ppb

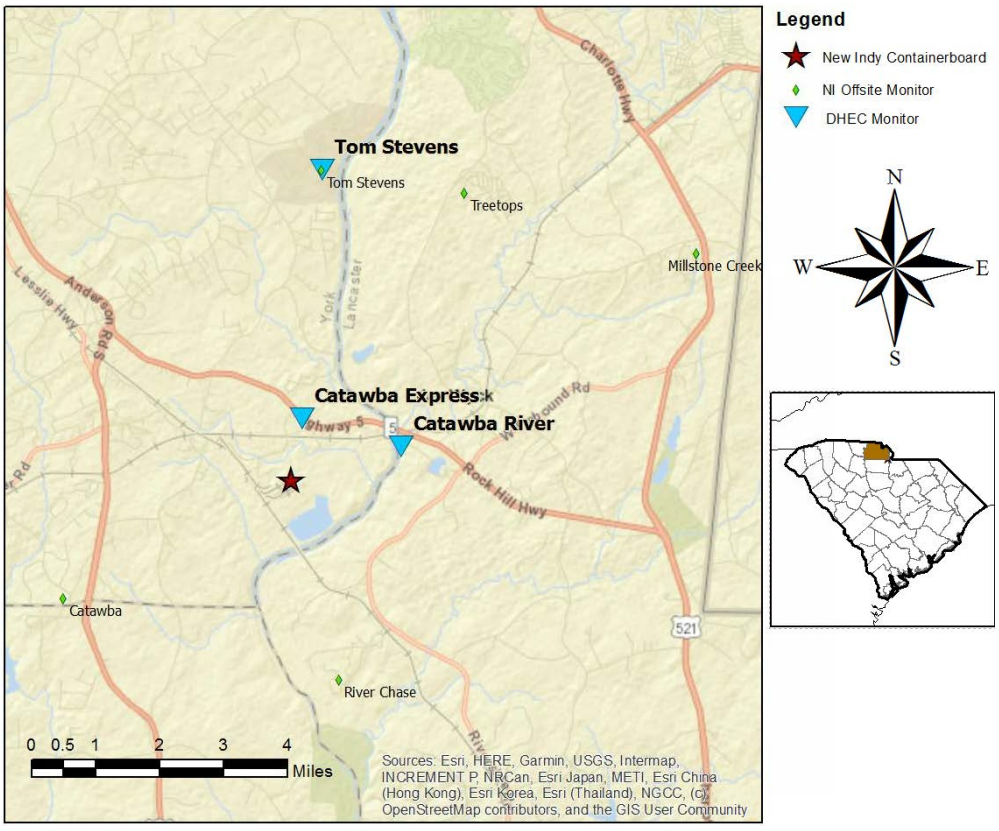
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	479	0 - 26 ppb	1 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.

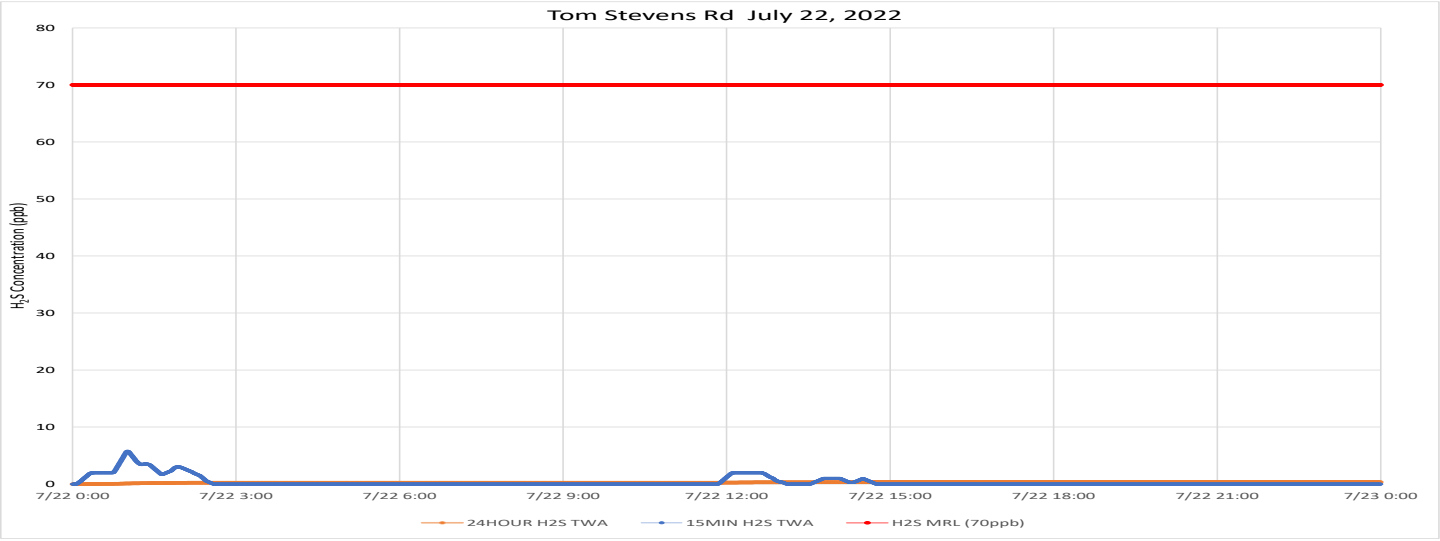
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

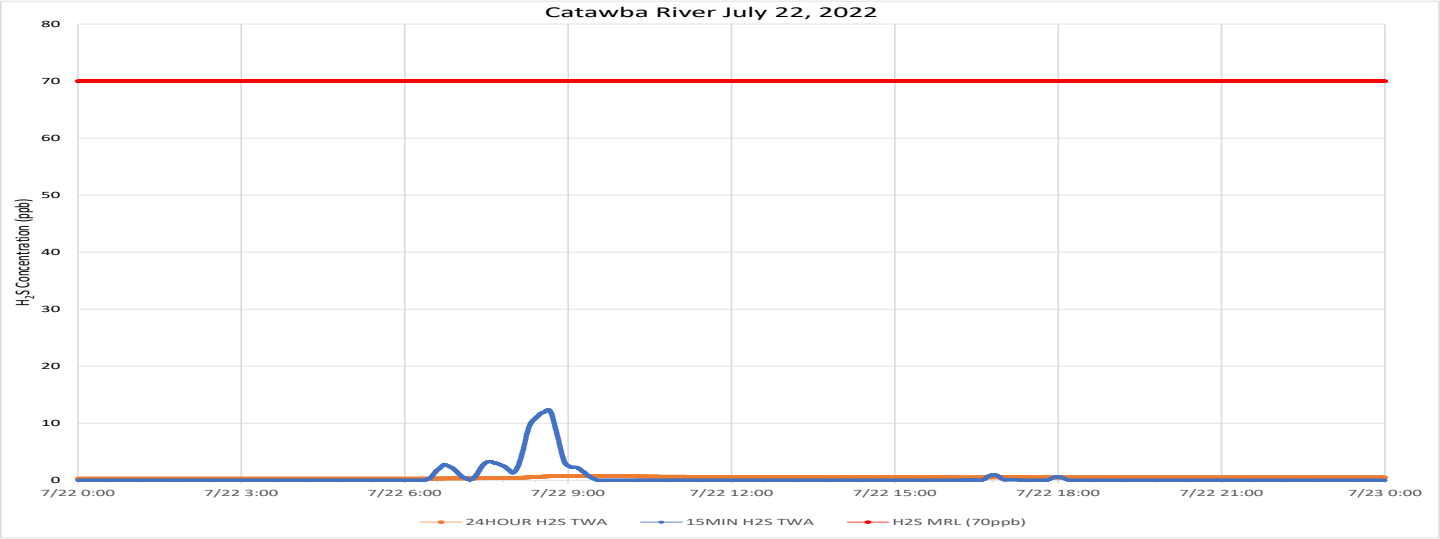


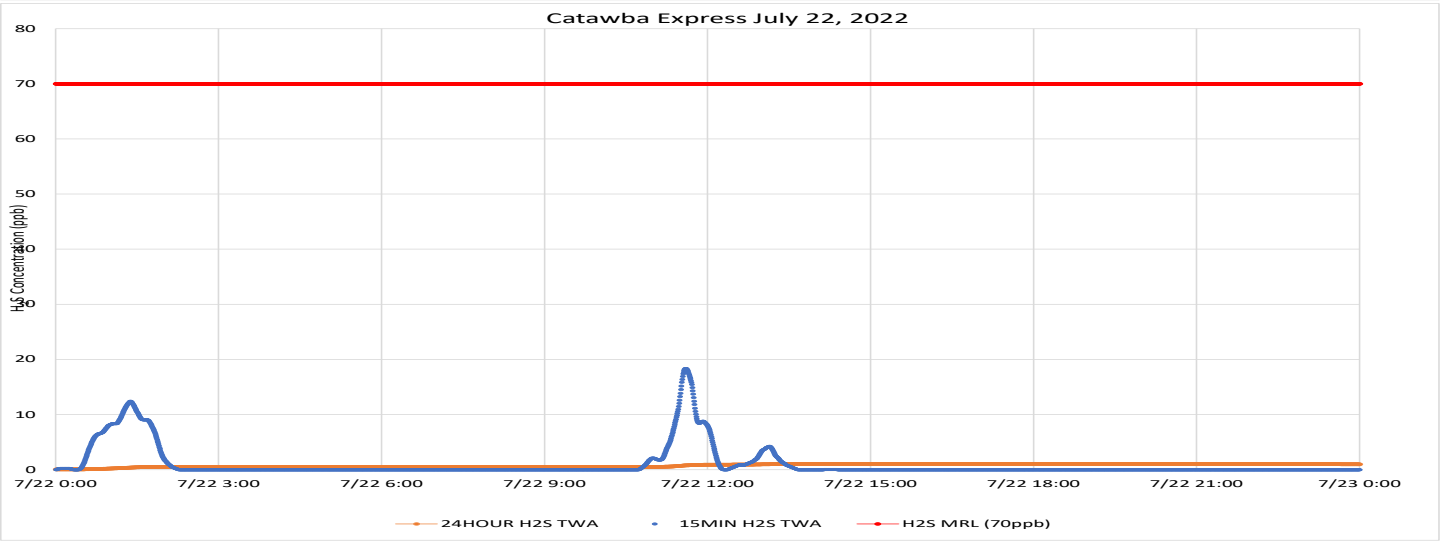
H_2S in South Carolina

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

Winds were consistently from the south southwest to west southwest through daybreak , becoming calm to light through the day, and freshening again from the south southwest to west southwest for the evening.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/23/22 12:00 AM** ***To:*** **7/23/22 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	428	0 - 5 ppb	0.32 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	492	0 - 6 ppb	0.46 ppb	70 ppb

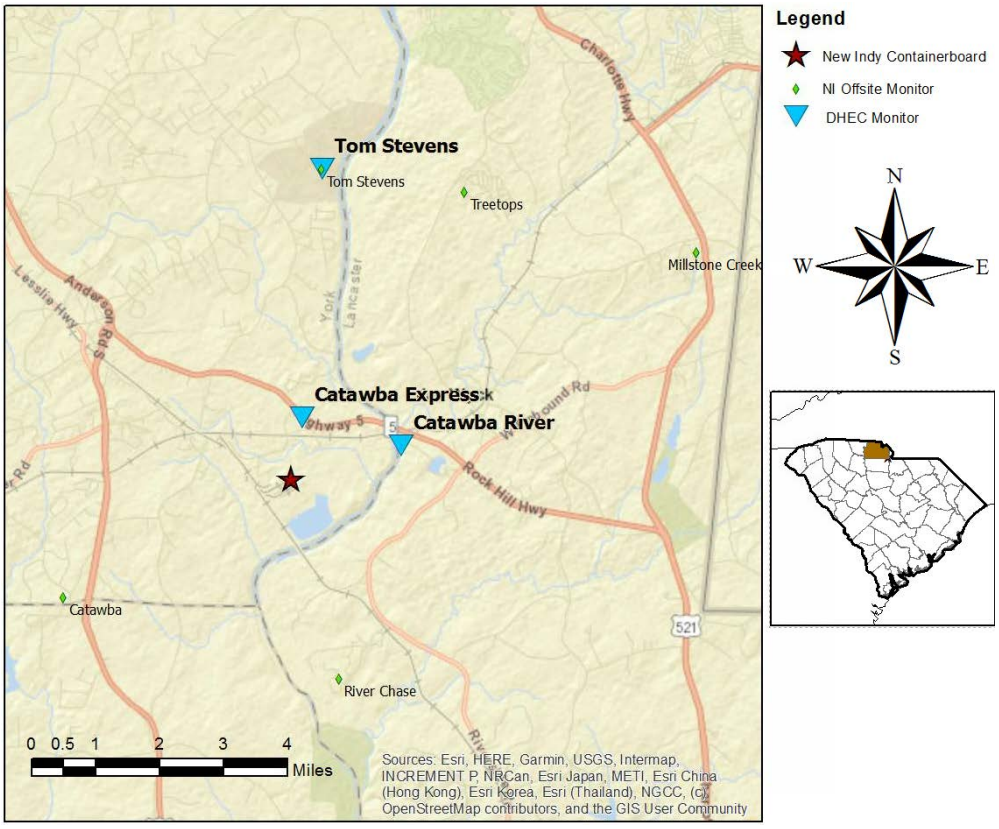
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	1098	0 - 6 ppb	0.75 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.

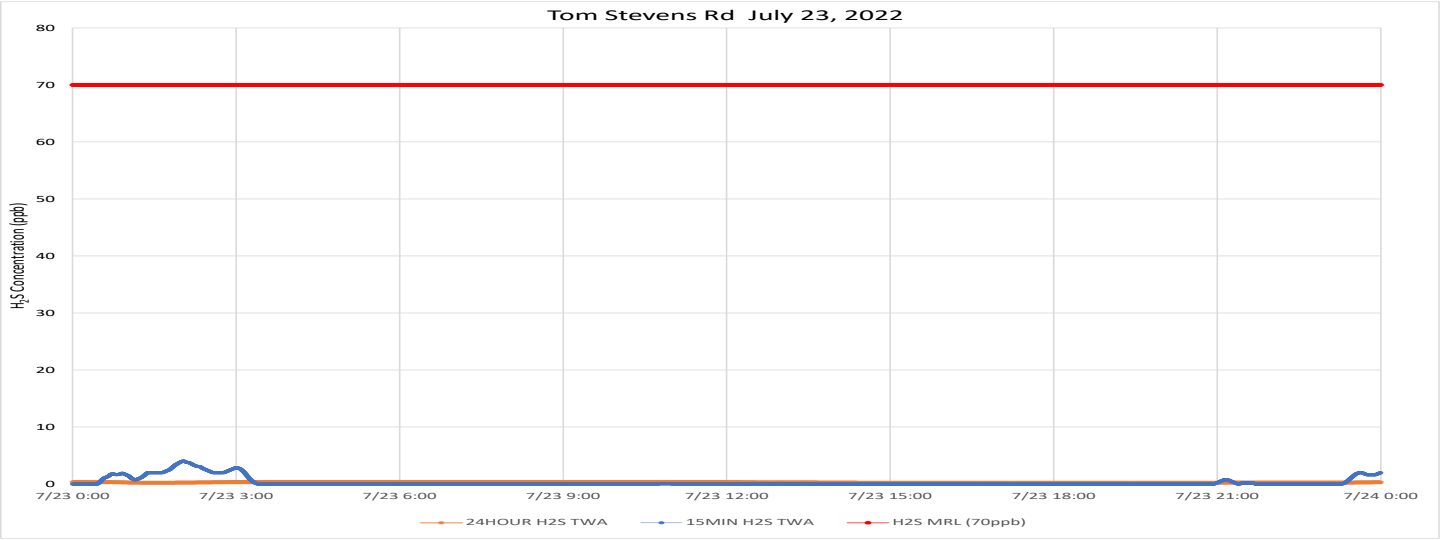
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

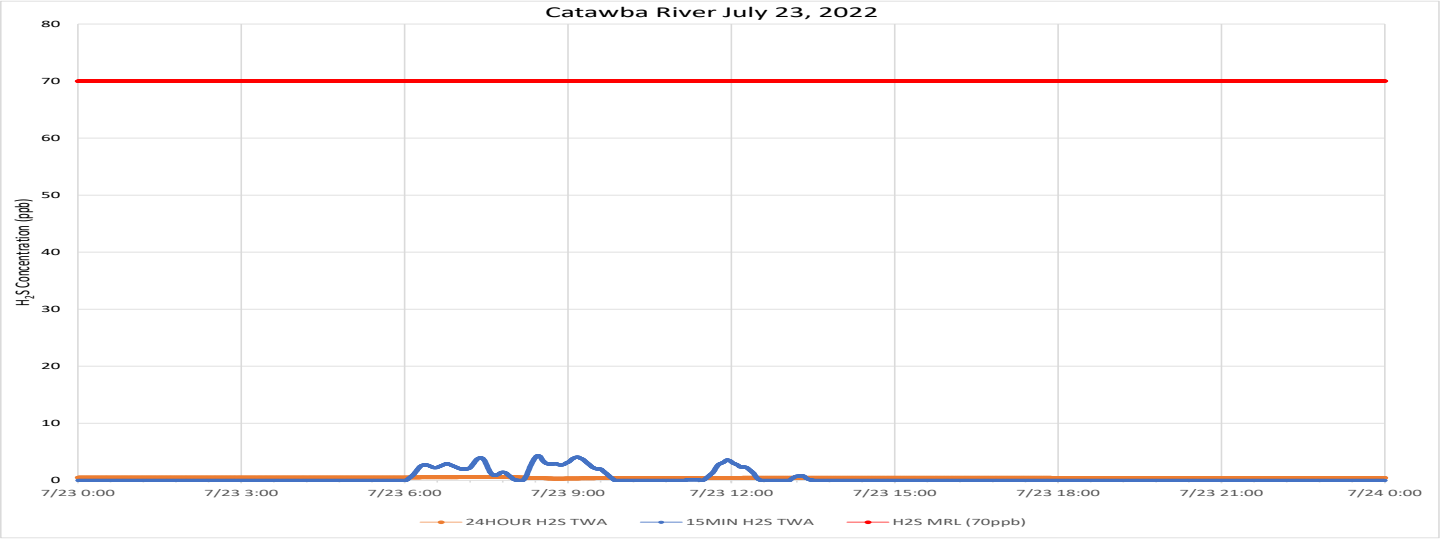


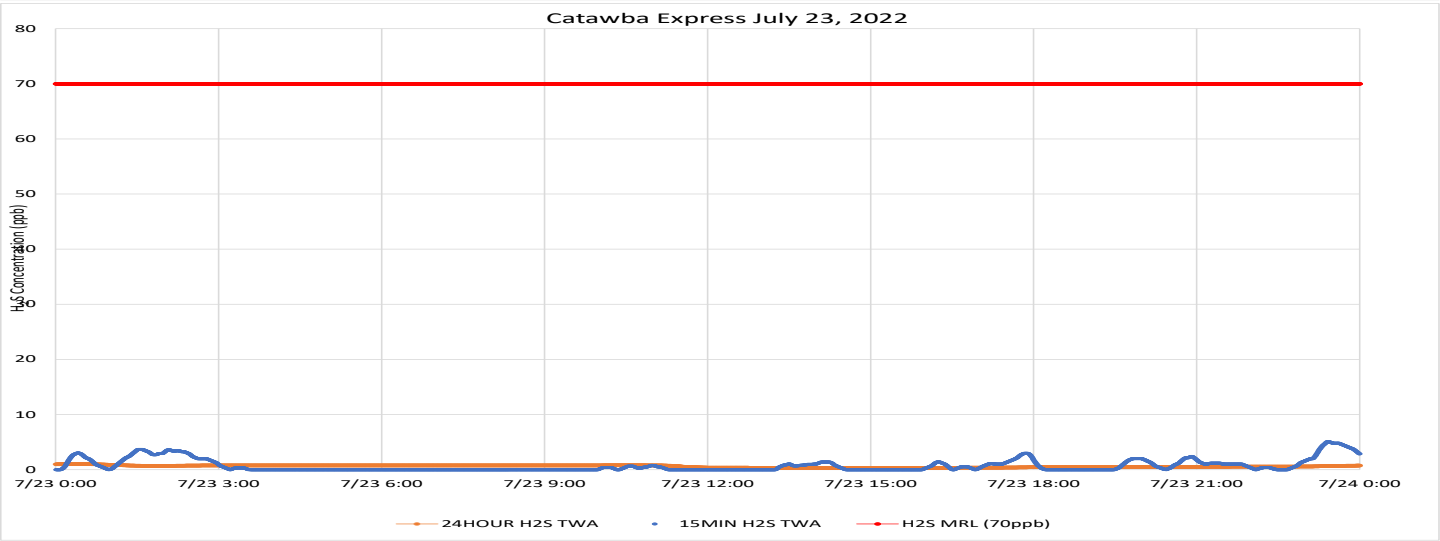
H_2S in South Carolina

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

Winds were consistently from the southwest quadrant (south to west) throughout the period, with some light to calm periods during the daylight hours.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/24/22 12:00 AM** ***To:*** **7/24/22 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	556	0 - 4 ppb	0.37 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	194	0 - 3 ppb	0.08 ppb	70 ppb

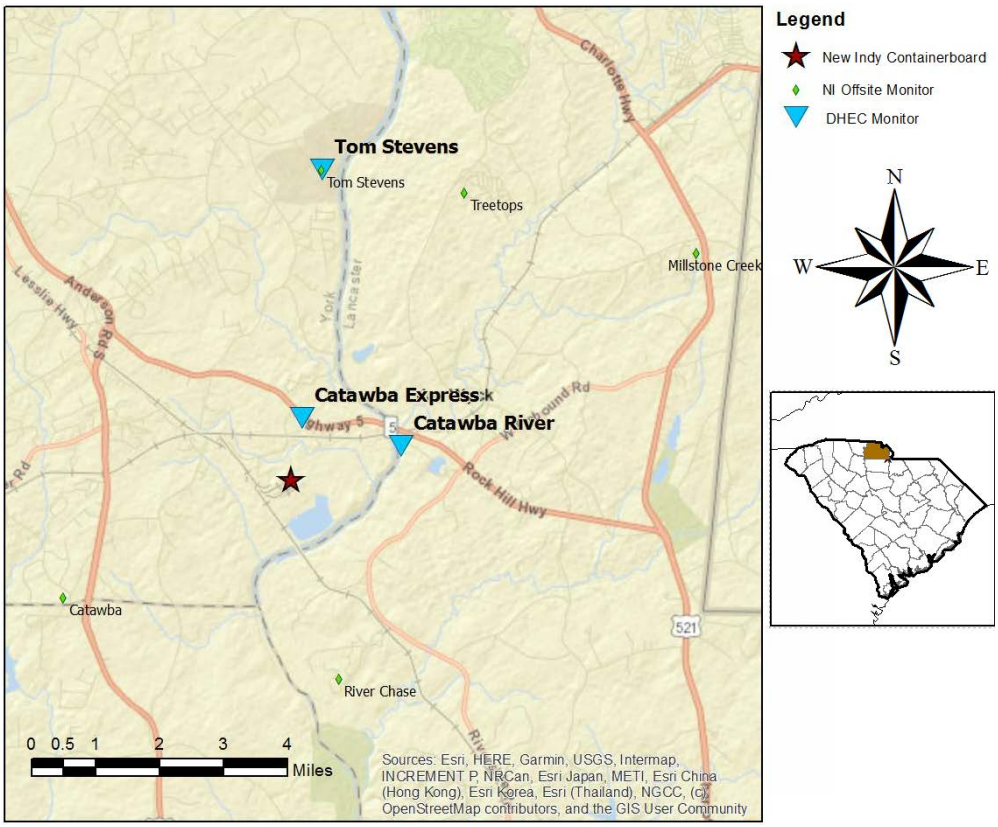
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	1078	0 - 17 ppb	1.7 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.

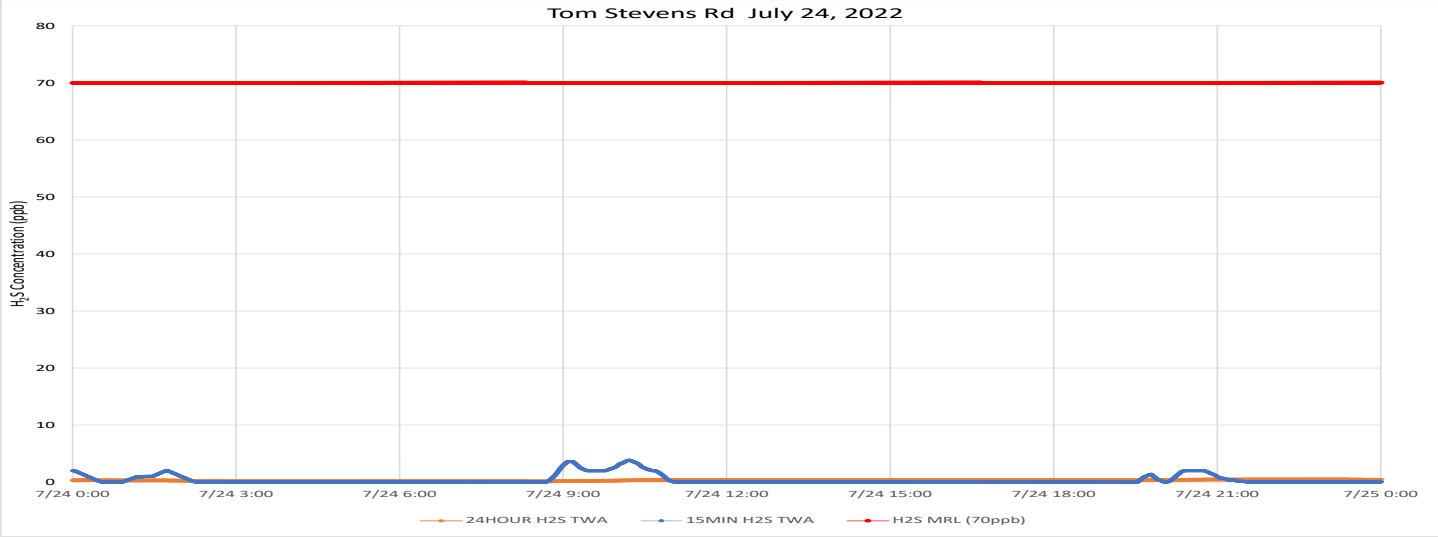
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

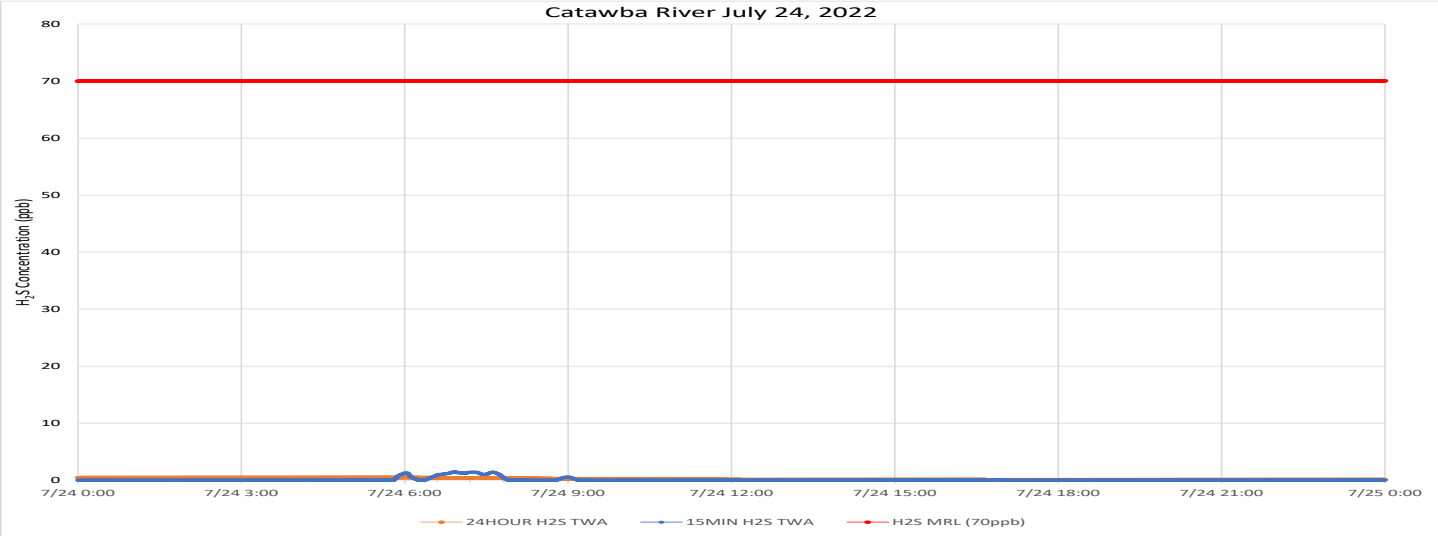


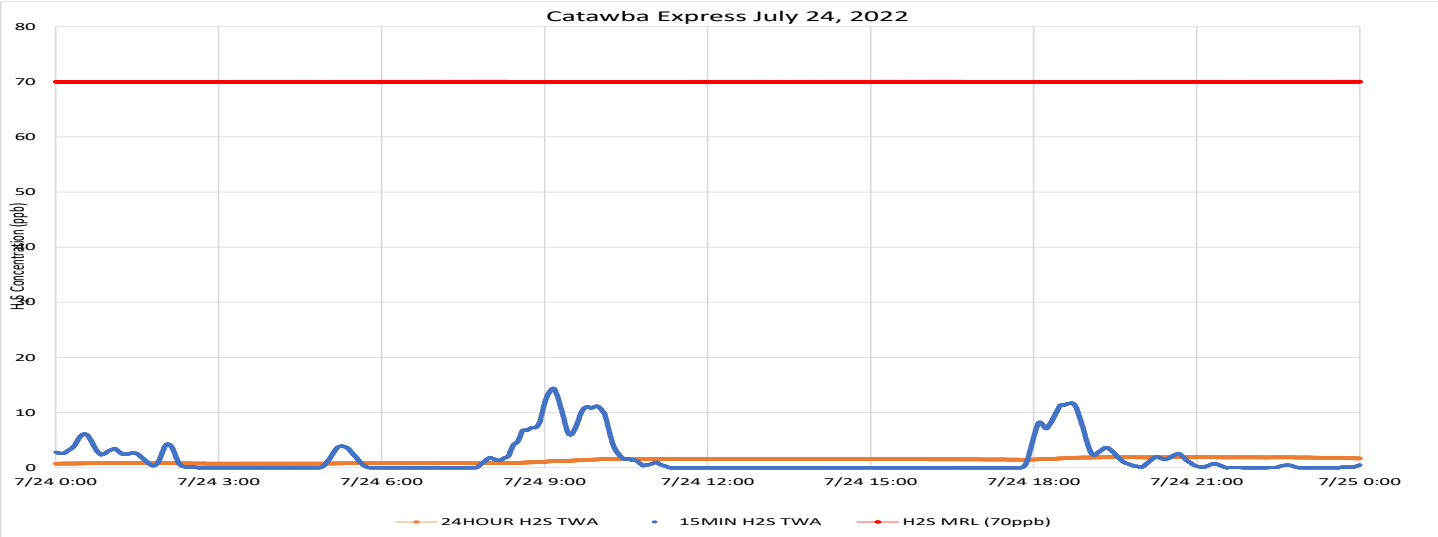
H_2S in South Carolina

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

Winds were calm in the hours around daybreak and from south southeast around sundown but were generally from the south to west southwest for the most of the period.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/25/22 12:00 AM** ***To:*** **7/25/22 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	198	0 - 4 ppb	0.17 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

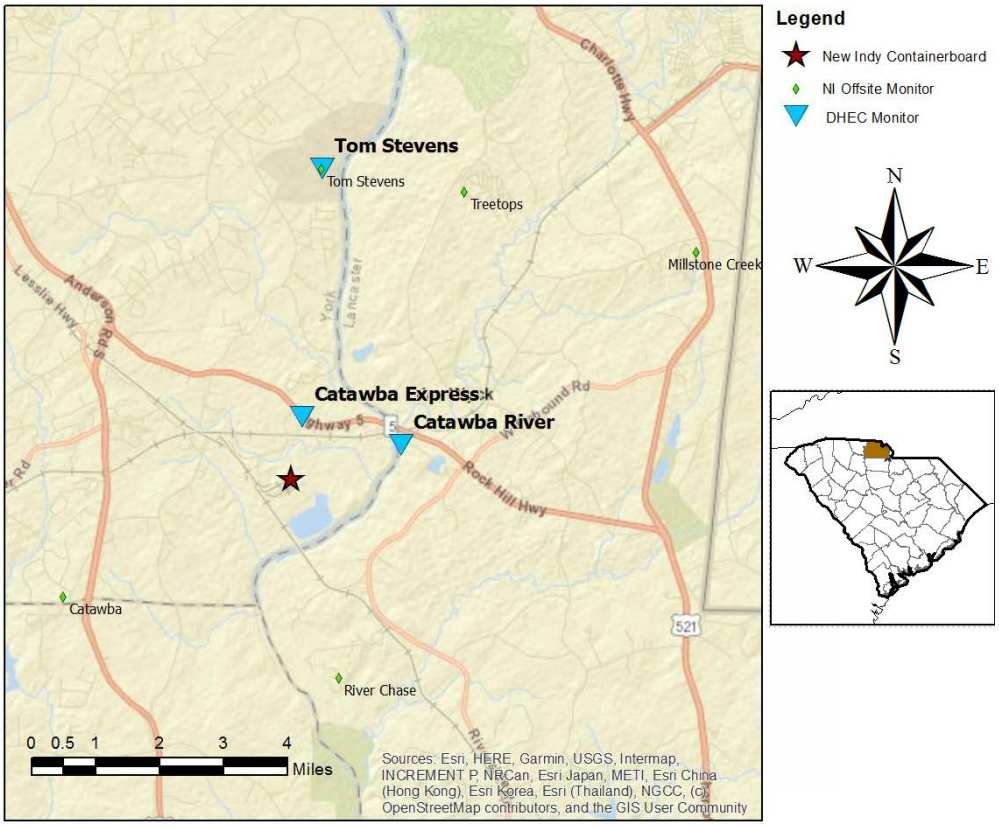
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	1001	0 - 10 ppb	0.82 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.

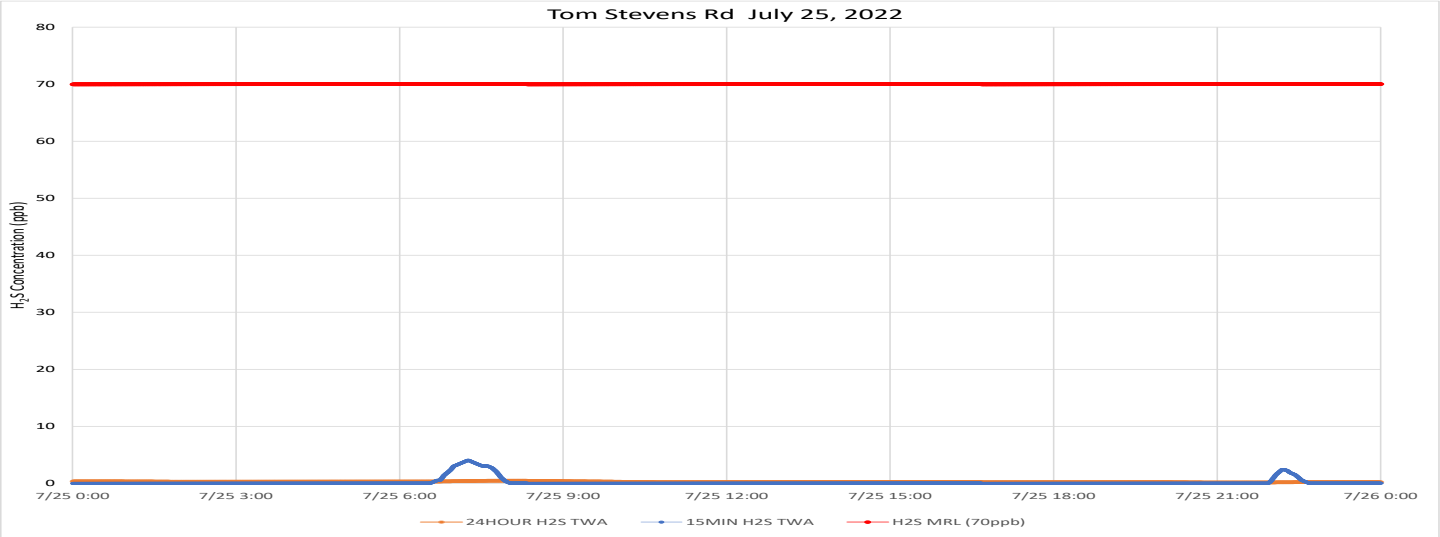
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

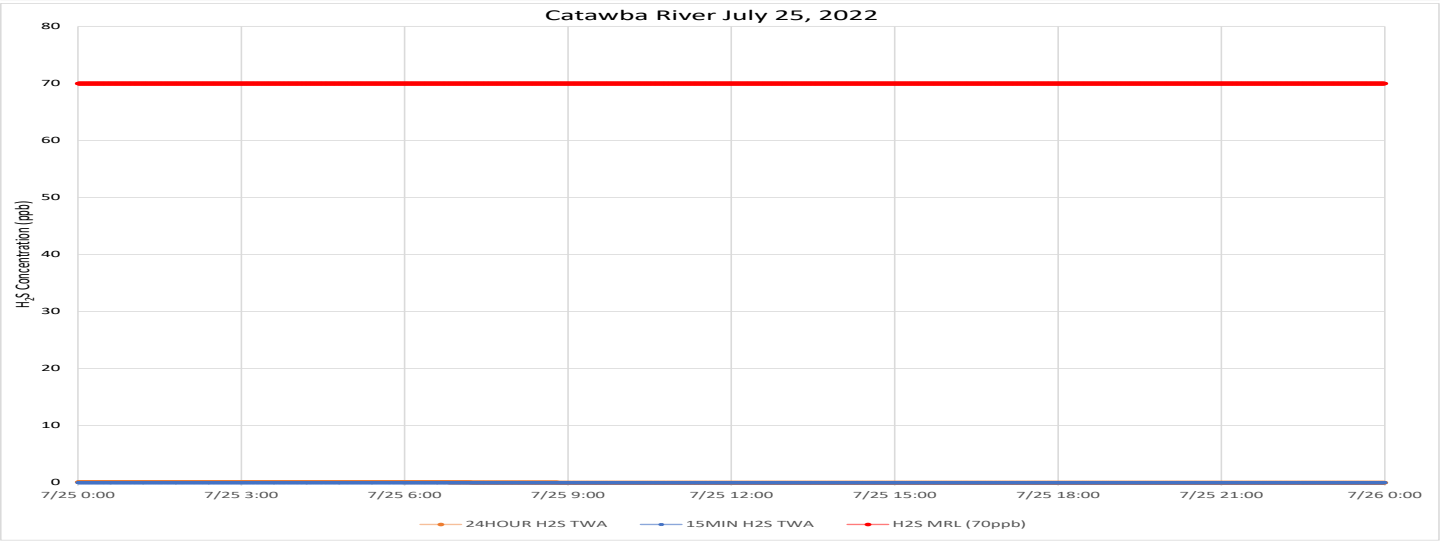


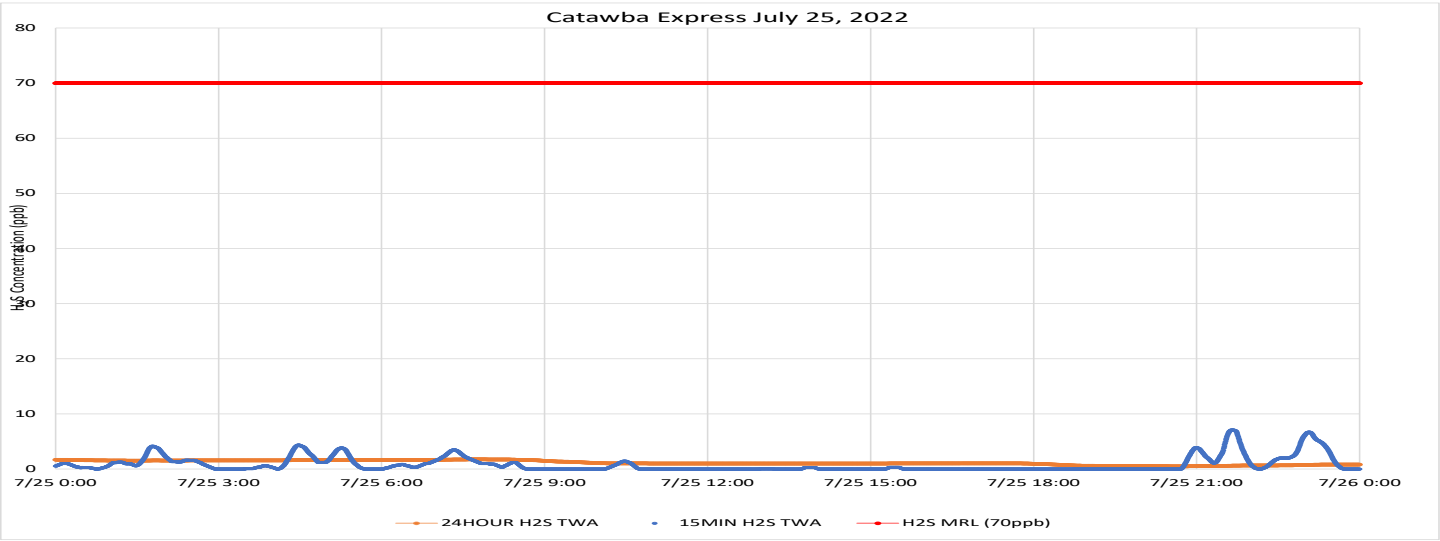
H_2S in South Carolina

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

Winds were consistently from the south to southwest during this period.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/26/22 12:00 AM** ***To:*** **7/26/22 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	73	0 - 5 ppb	0.06 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	332	0 - 10 ppb	0.36 ppb	70 ppb

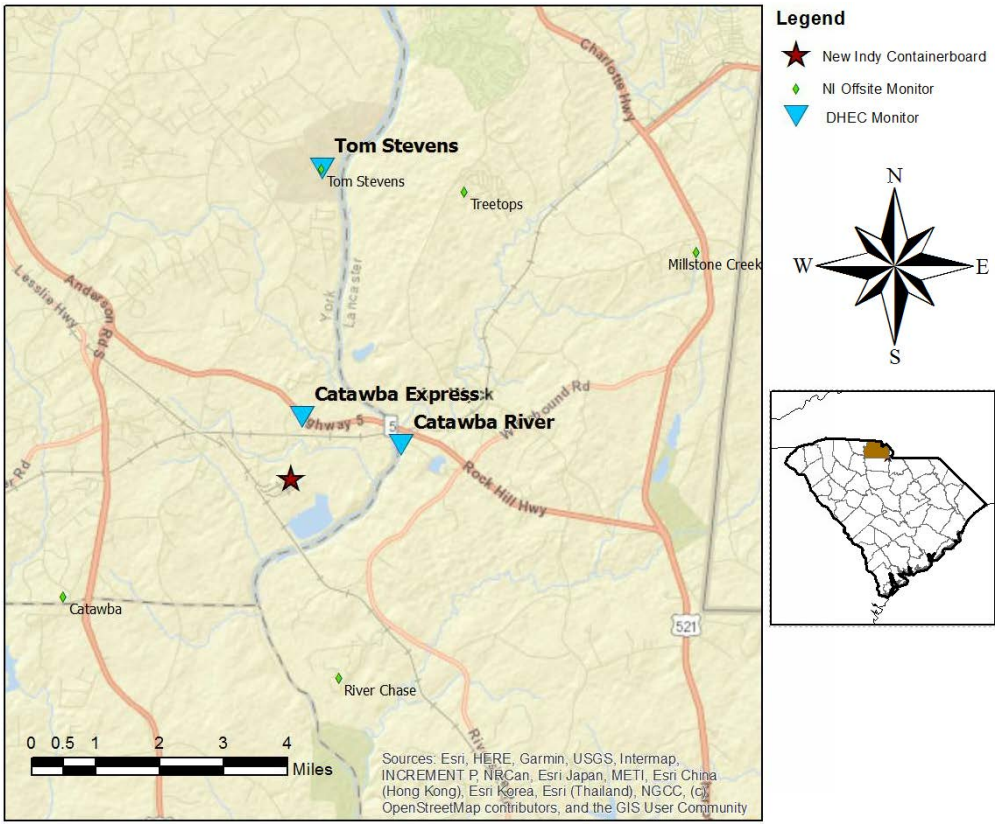
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	962	0 - 17 ppb	1.67 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.

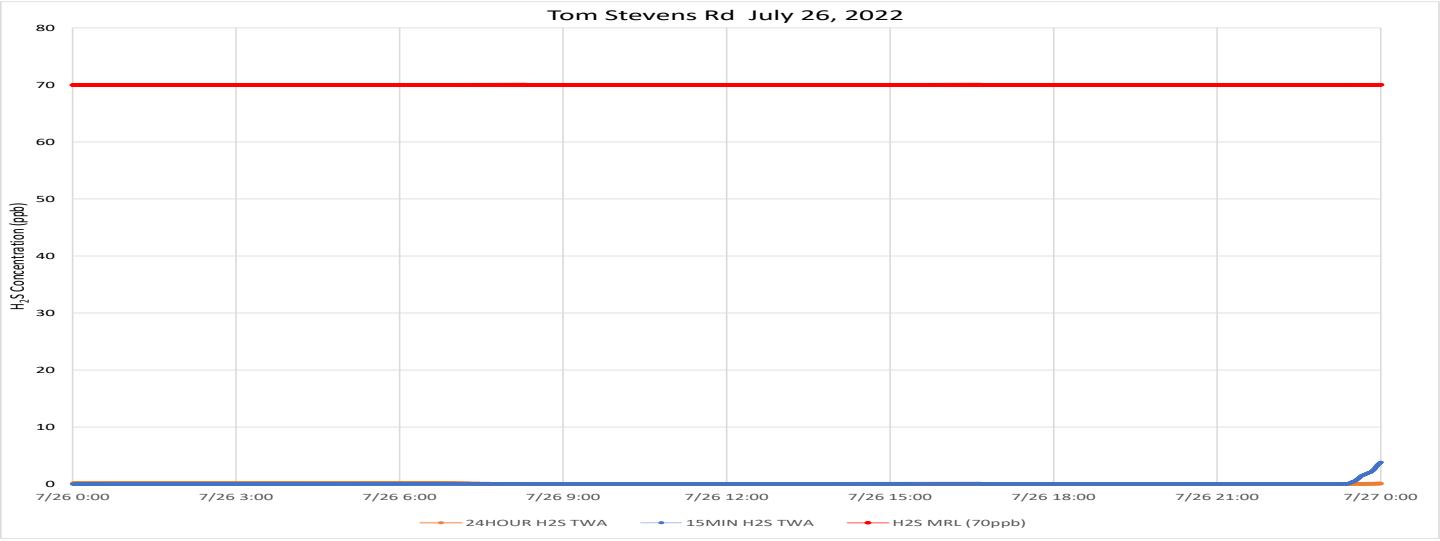
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

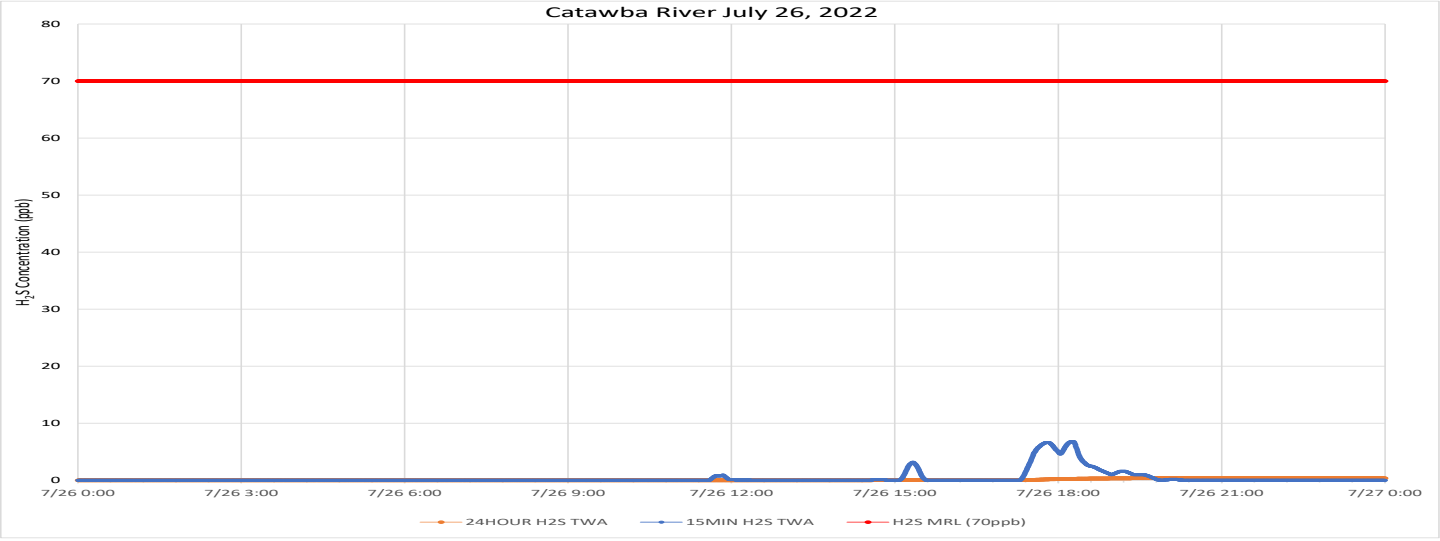


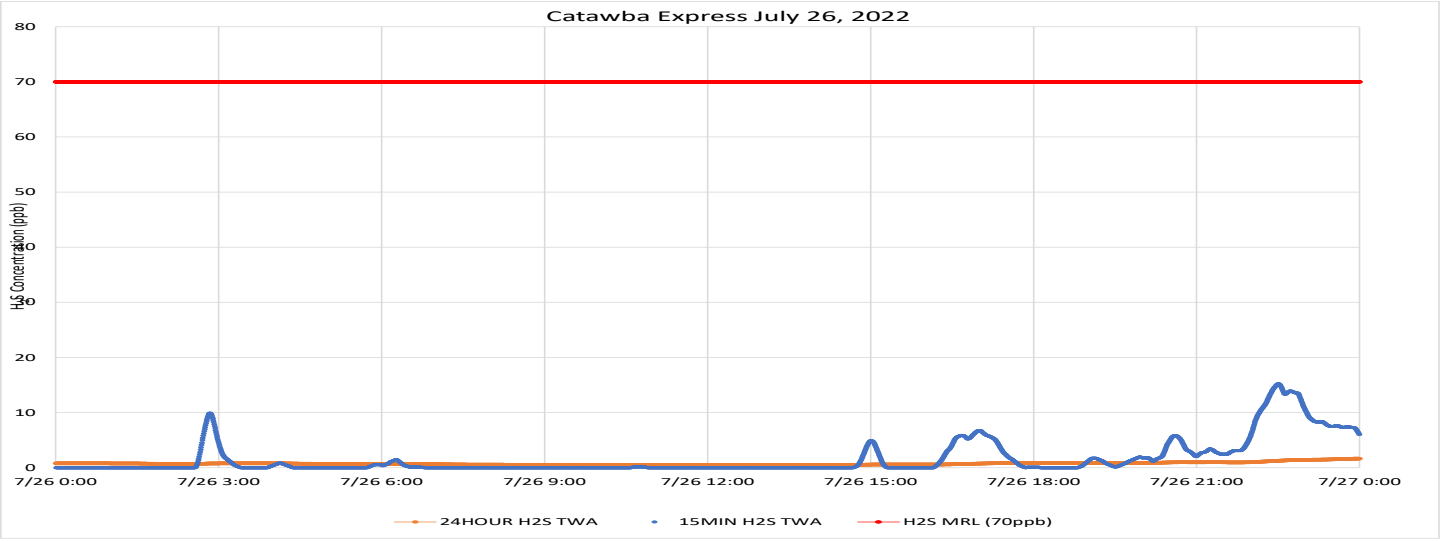
H_2S in South Carolina

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

Except for some afternoon westerly shifts, winds were consistently from the south southwest to southwest during this period.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/27/22 12:00 AM** ***To:*** **7/27/22 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	318	0 - 5 ppb	0.3 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	810	0 - 7 ppb	0.69 ppb	70 ppb

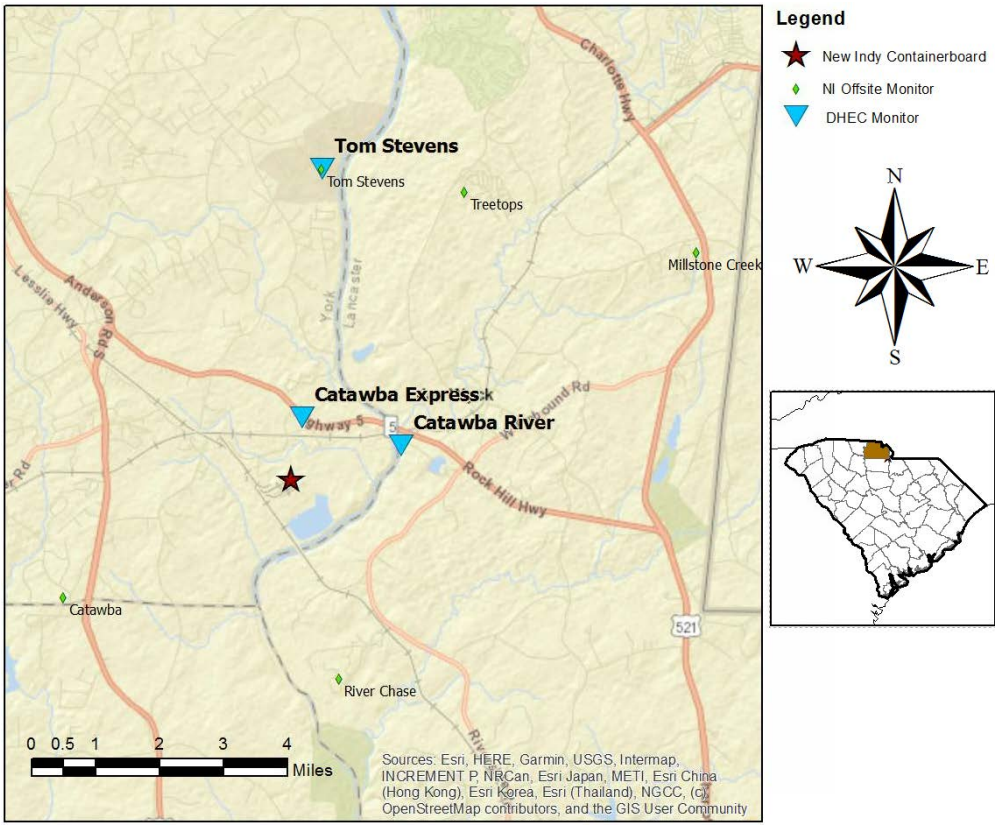
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	210	0 - 5 ppb	0.17 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.

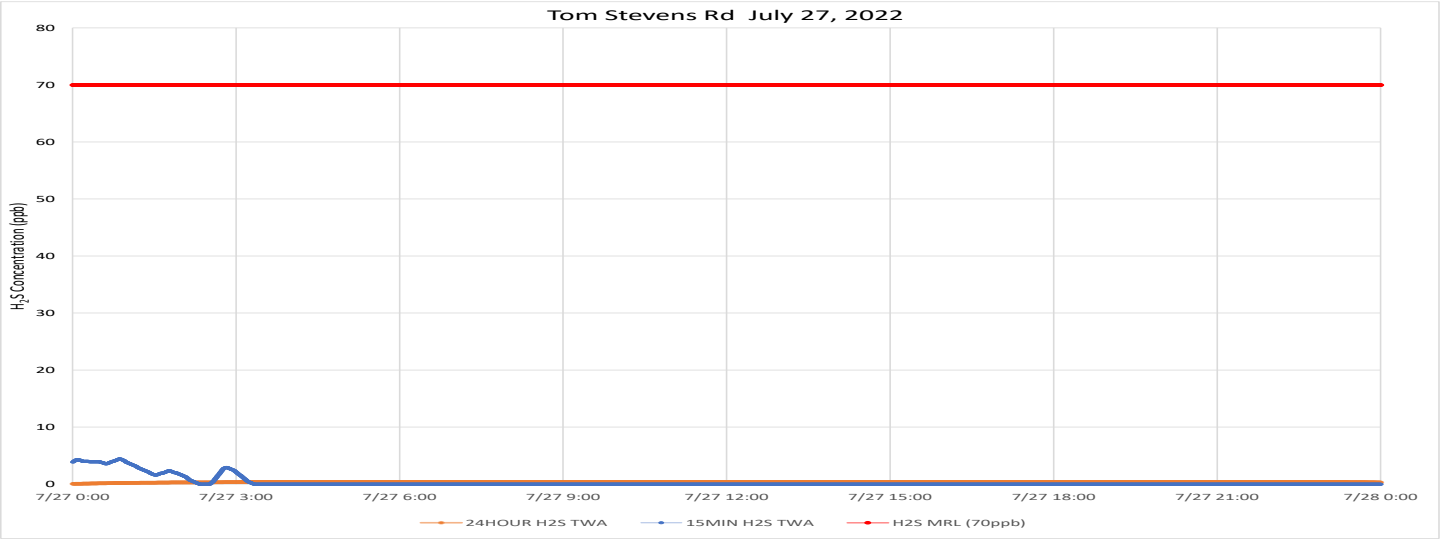
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

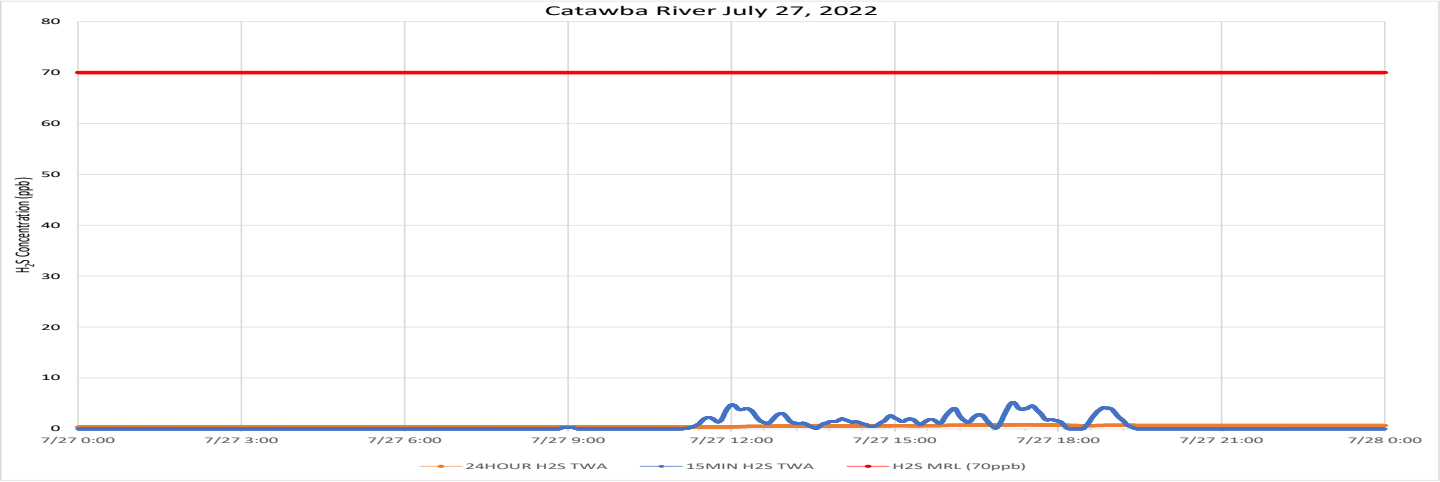


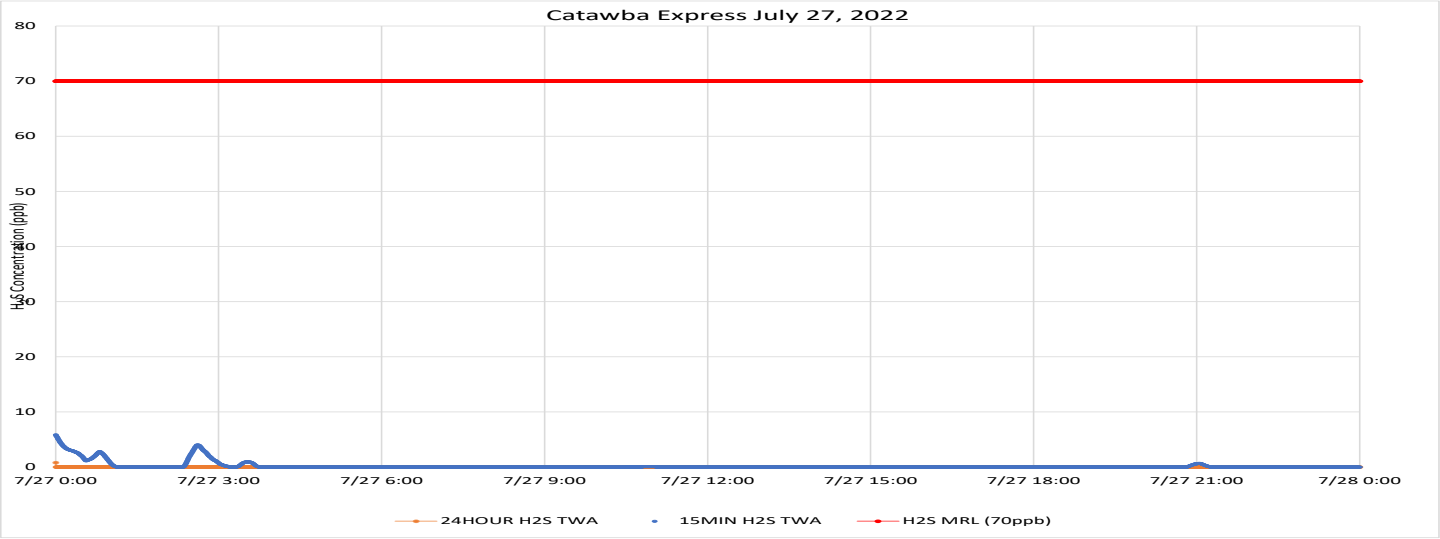
H_2S in South Carolina

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

Winds were consistently from the south southwest to west southwest during this period. Winds were stronger during the daylight hours.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/28/22 12:00 AM** ***To:*** **7/28/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	600	0 - 9 ppb	0.58 ppb	70 ppb

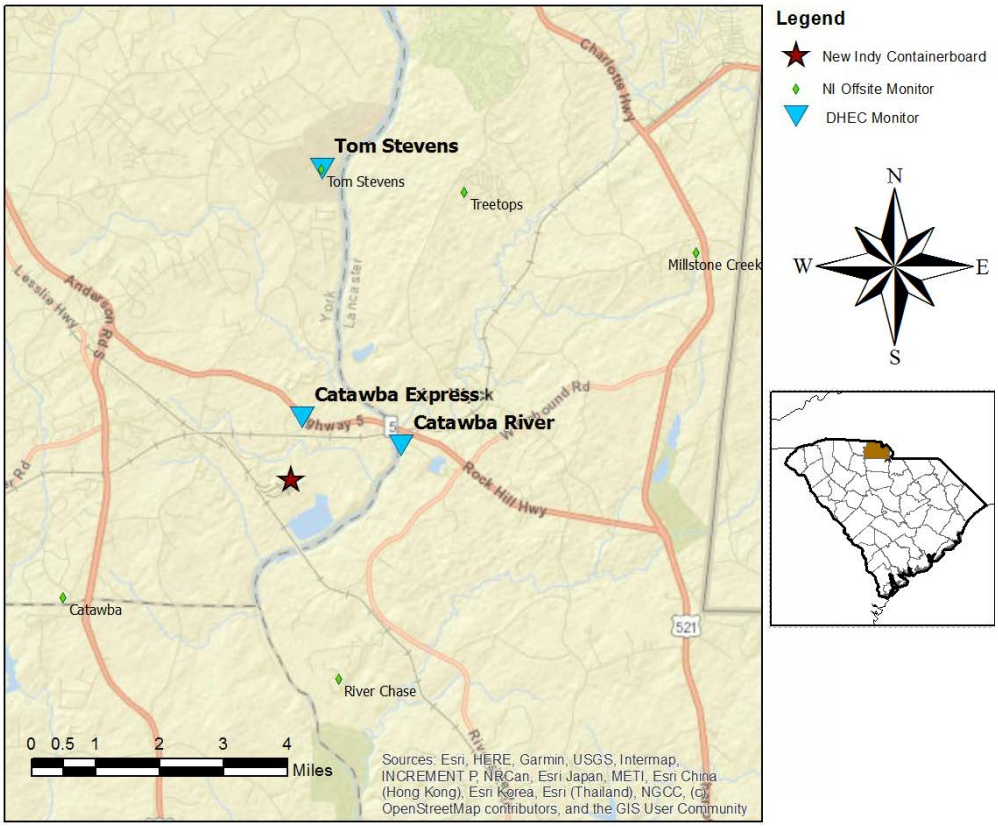
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	50	0 - 2 ppb	0.02 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.

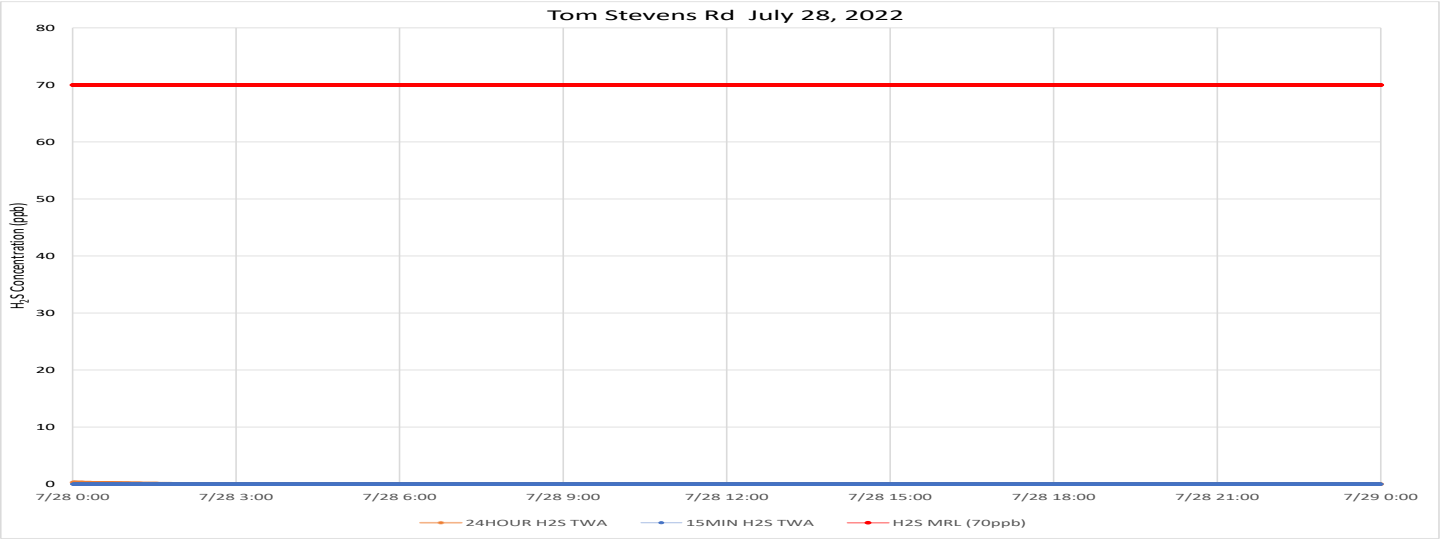
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

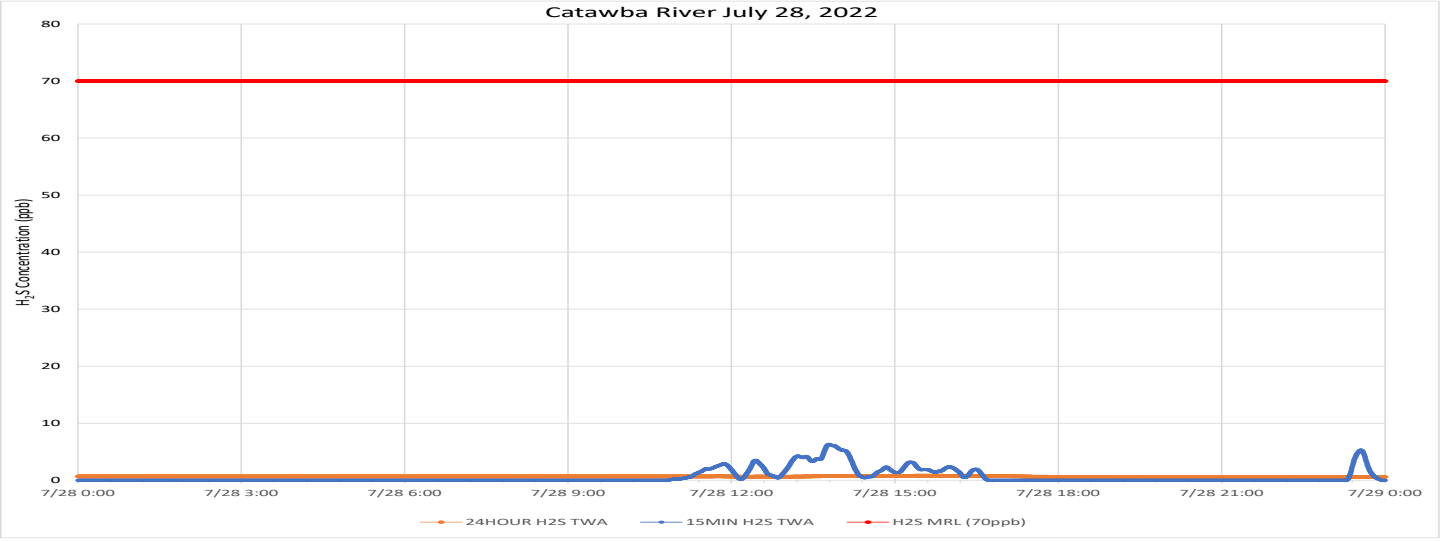


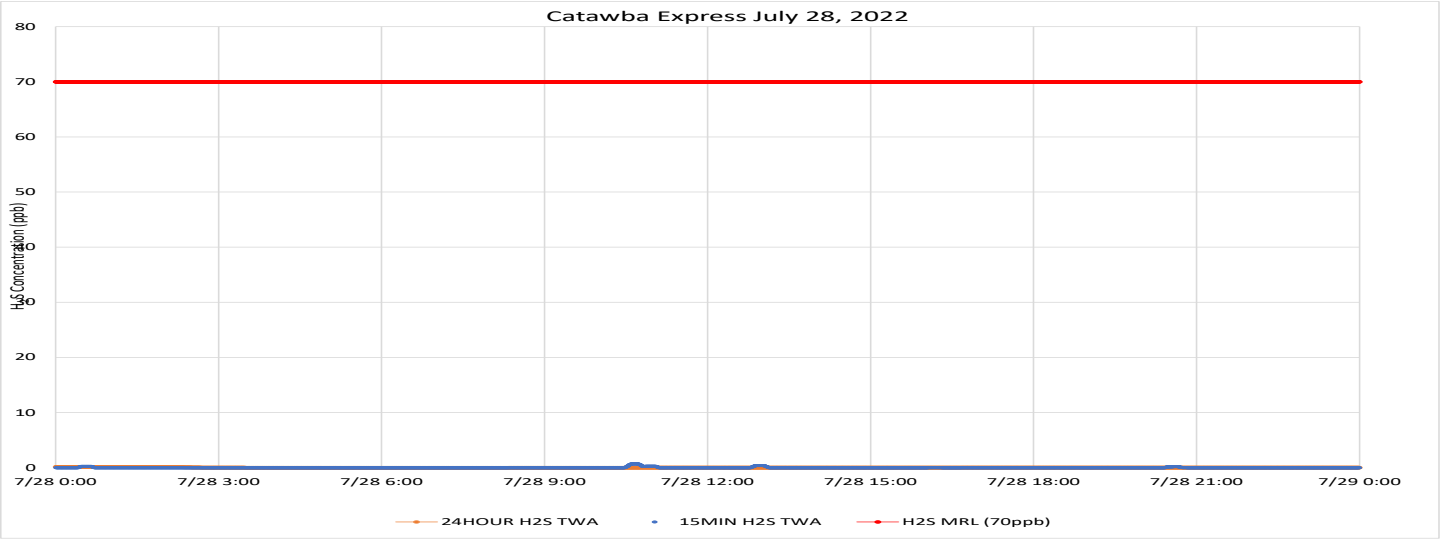
H_2S in South Carolina

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

Winds were consistently from the south southwest to west southwest during this period. Winds were stronger during late morning through early evening.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/29/22 12:00 AM** ***To:*** **7/29/22 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	112	0 - 3 ppb	0.06 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	921	0 - 26 ppb	1.19 ppb	70 ppb

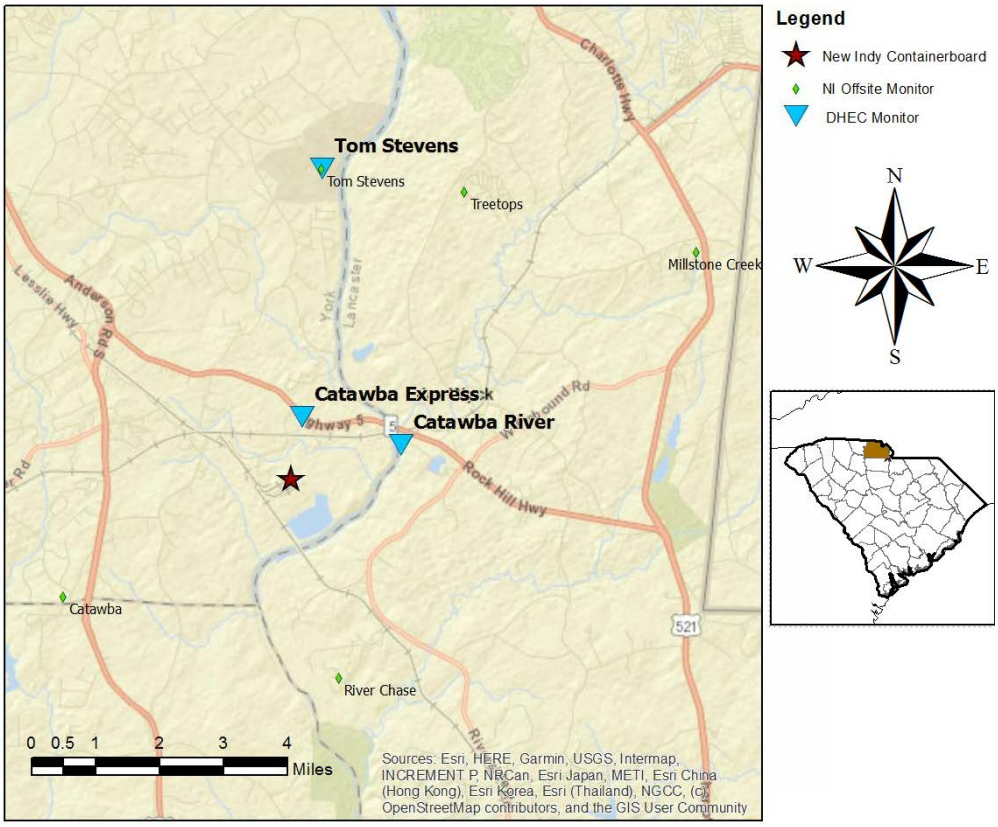
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	109	0 - 17 ppb	0.23 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.

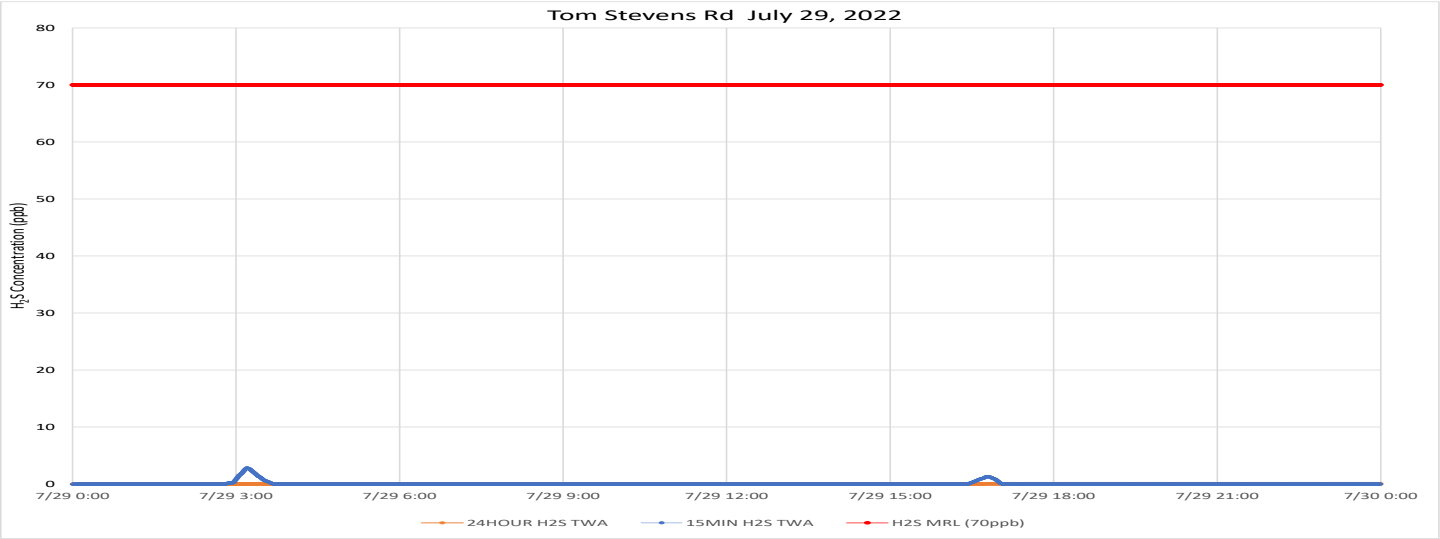
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

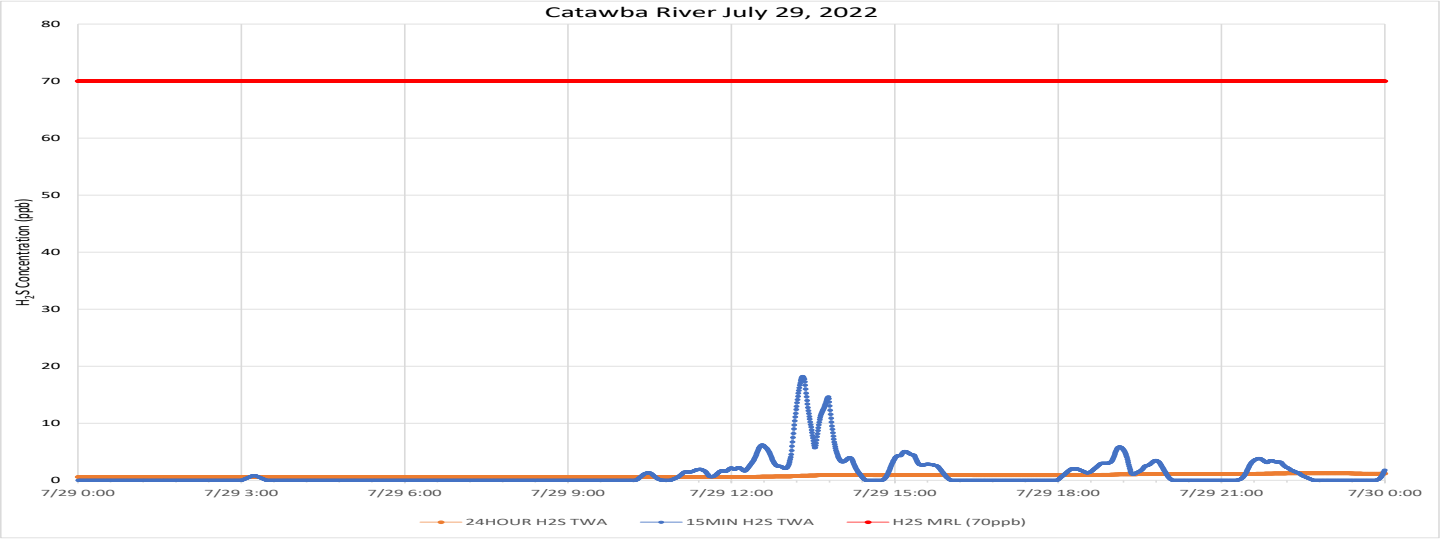


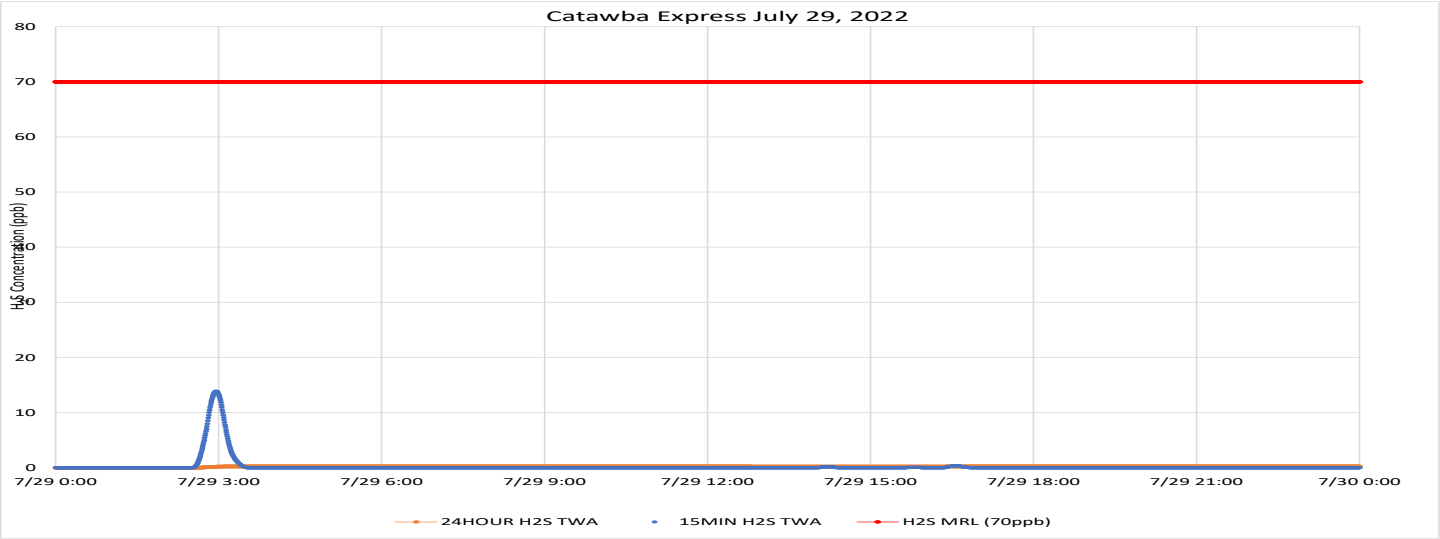
H_2S in South Carolina

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

Winds were calm to light and variable in the early morning hours. During the day and into the evening, winds were primarily from the south southwest to west with a few short periods with wind coming from the west to northwest.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/30/22 12:00 AM** ***To:*** **7/30/22 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	131	0 - 3 ppb	0.07 ppb	70 ppb

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	398	0 - 5 ppb	0.3 ppb	70 ppb

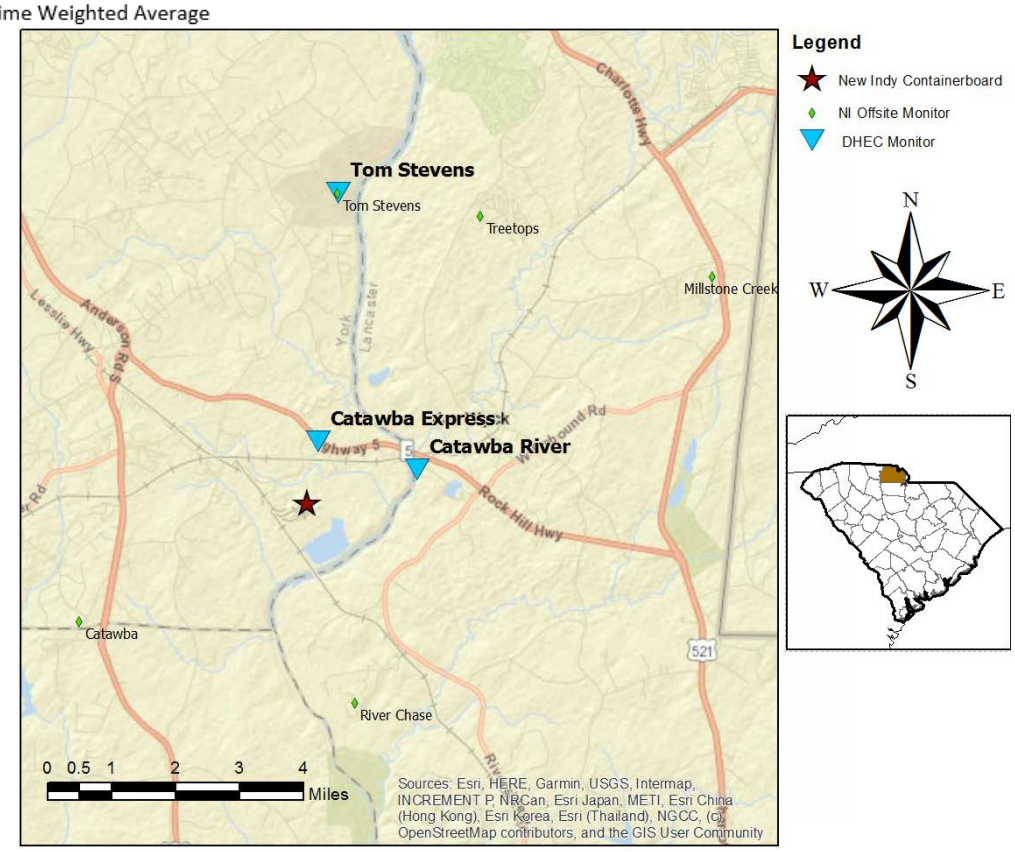
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	680	0 - 7 ppb	0.53 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.

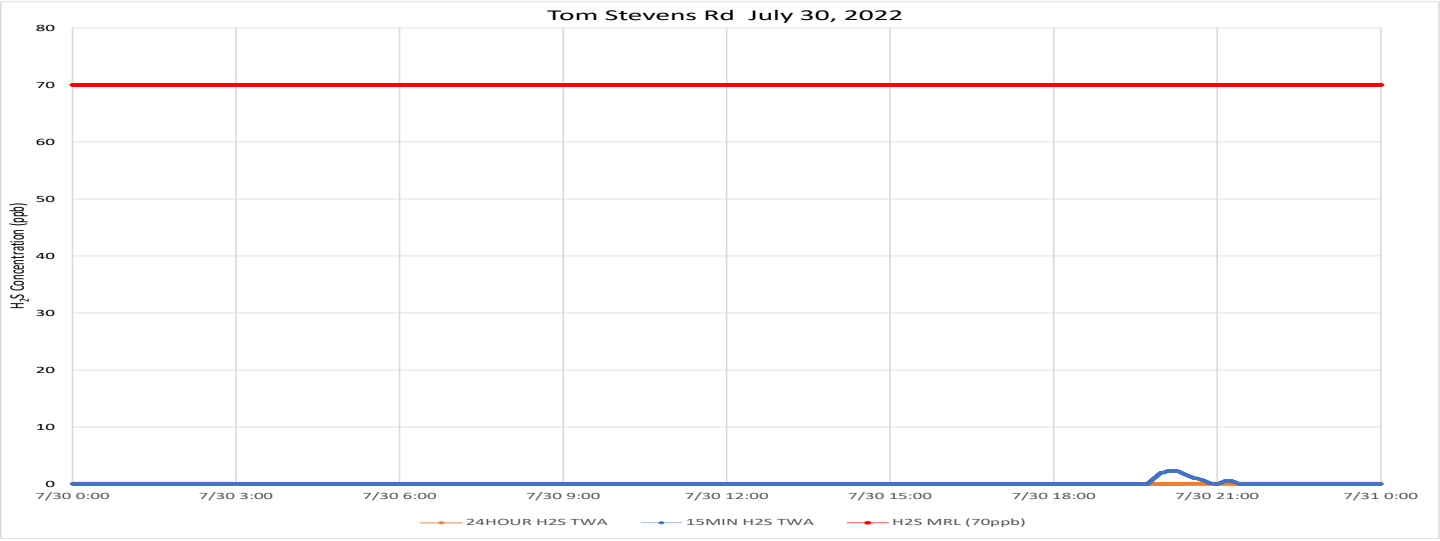
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

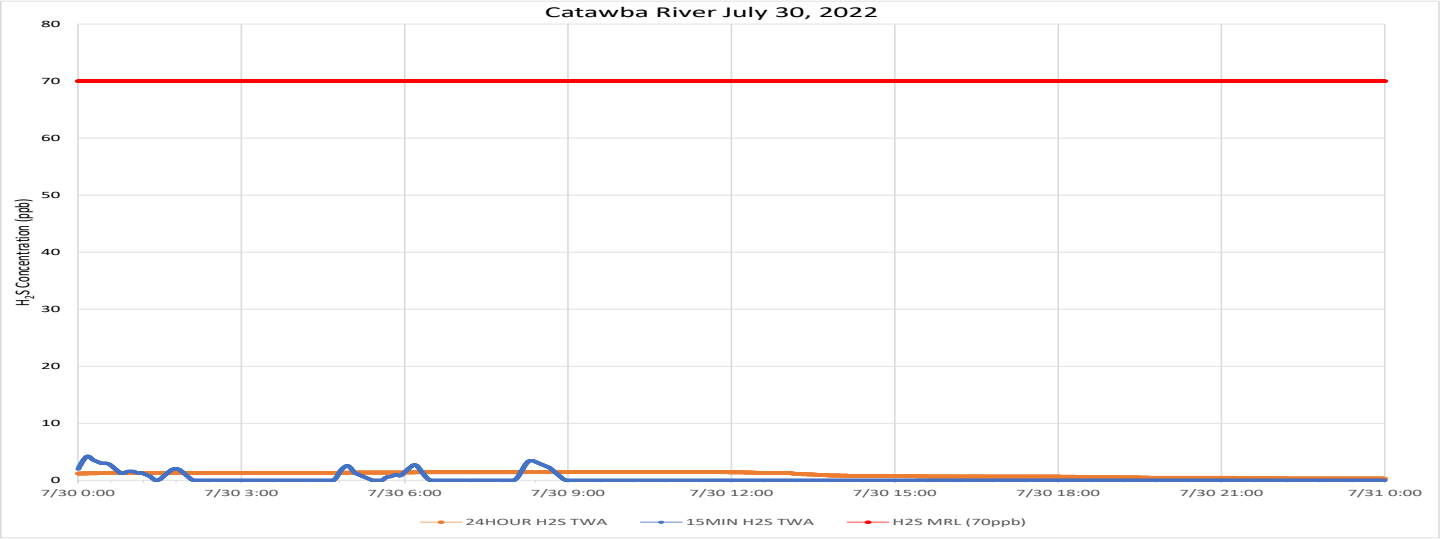


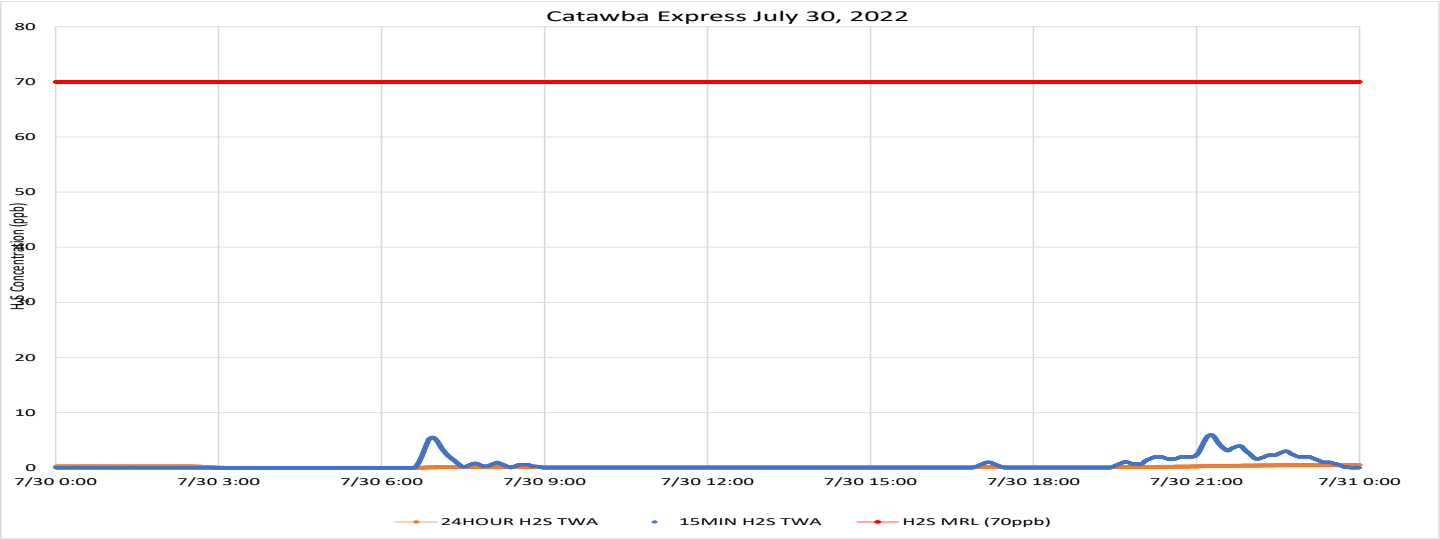
H_2S in South Carolina

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

Winds were calm to light and variable for much of the period. In the early morning hours, measurable winds were from the southwest. After daybreak, measurable winds were from the north northeast to northeast.







Notes: Time is Eastern Daylight Time H_2S – 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: **H_2S in South Carolina**

From: **7/31/22 12:00 AM** ***To:*** **7/31/22 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

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	916	0 - 6 ppb	0.53 ppb	70 ppb

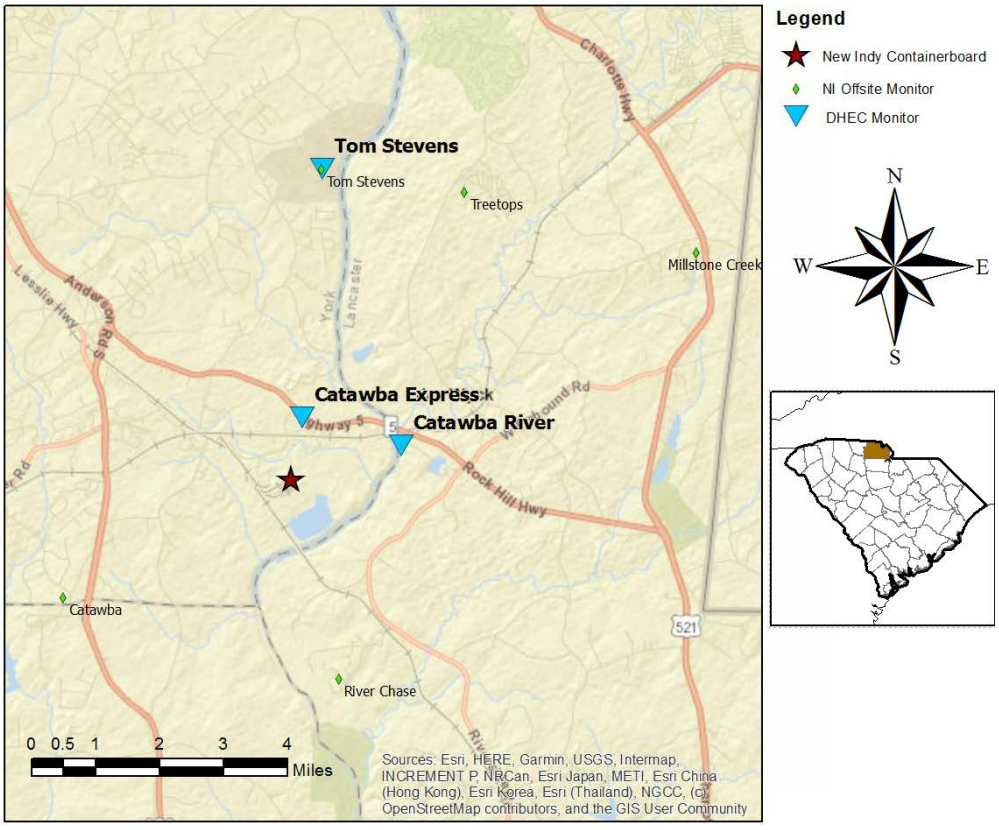
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	253	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.

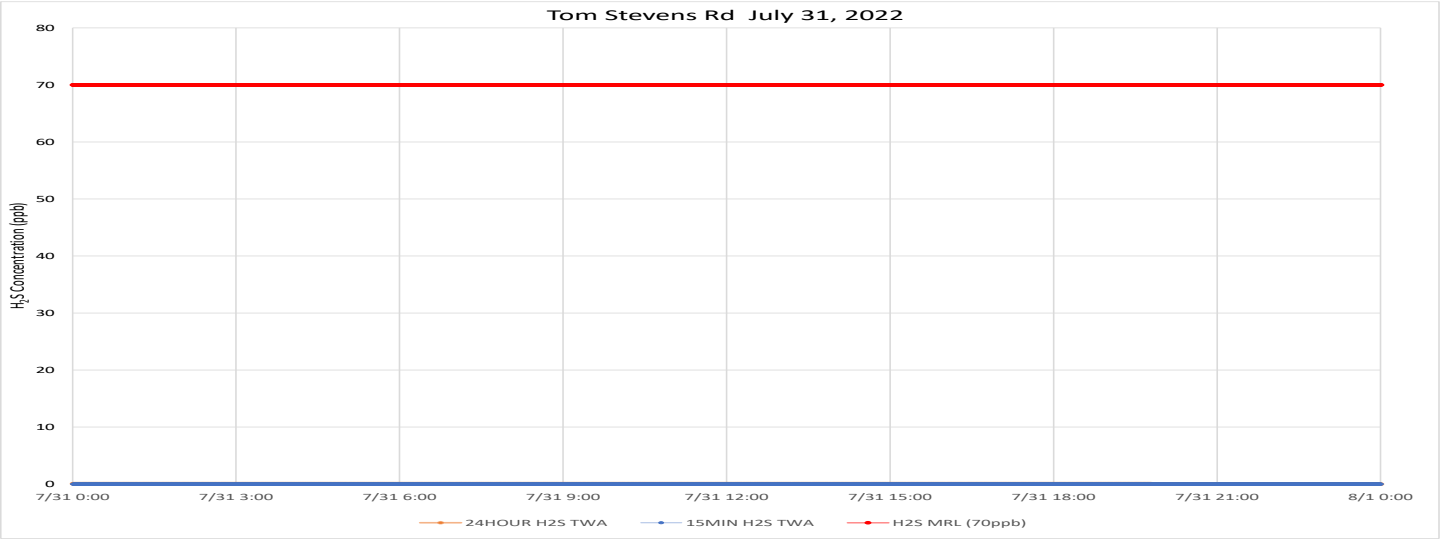
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

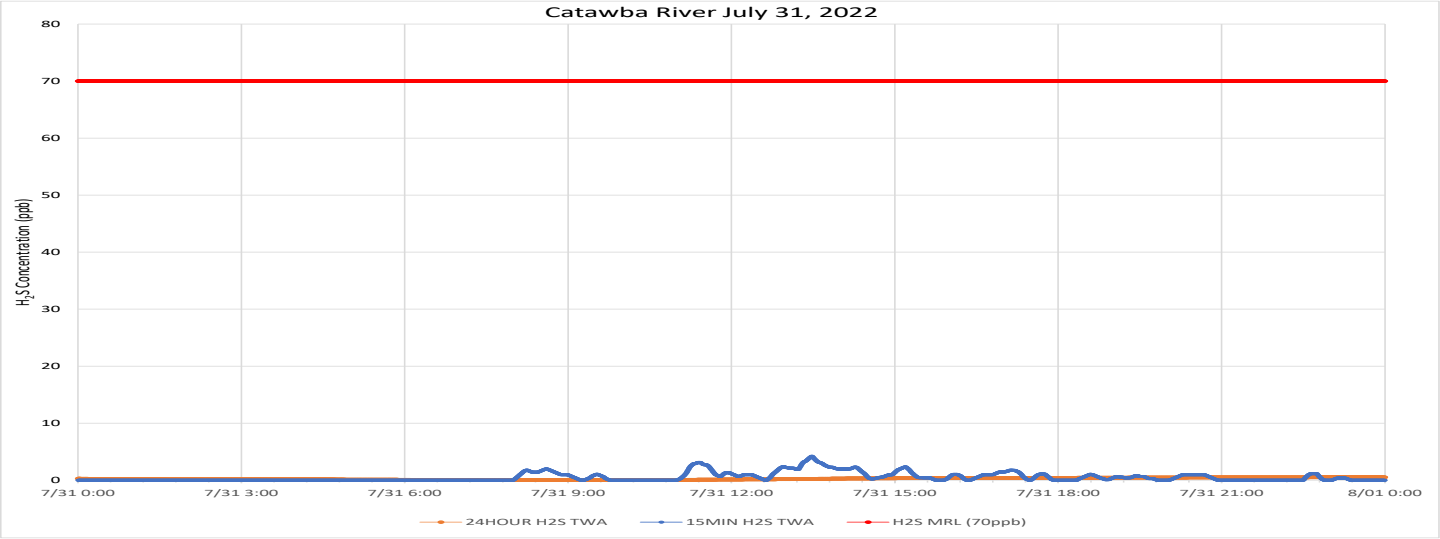


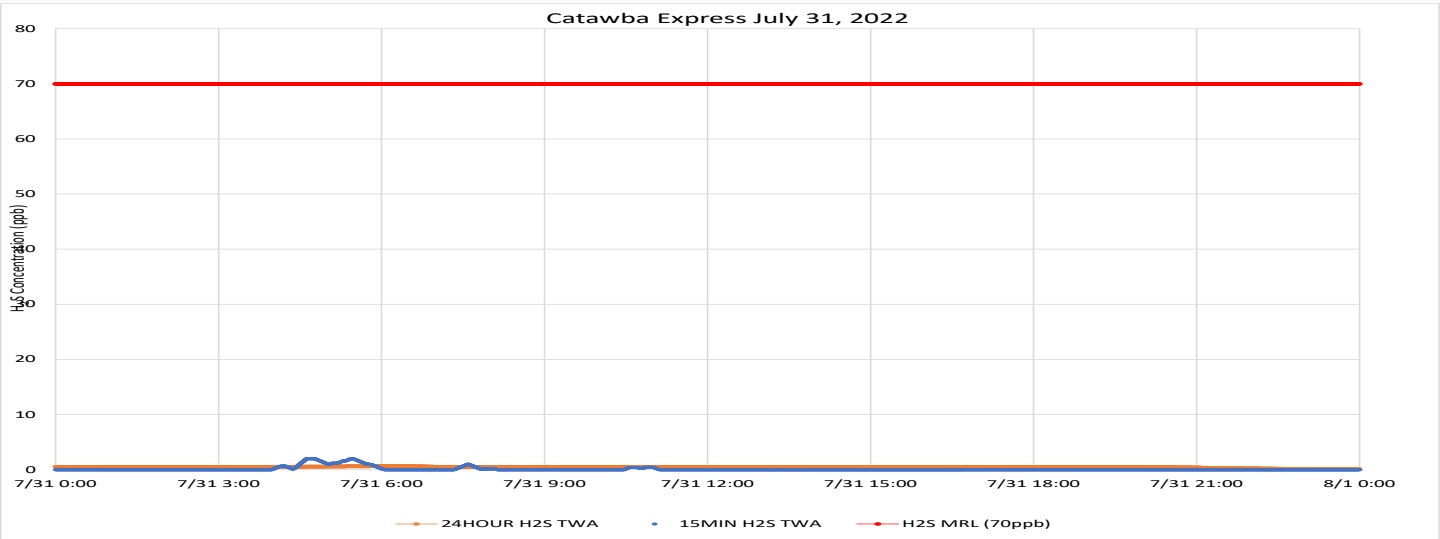
H_2S in South Carolina

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

Winds were calm to light and variable from the early morning hours until midday. The winds in the afternoon was from the southwest to west.







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