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

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

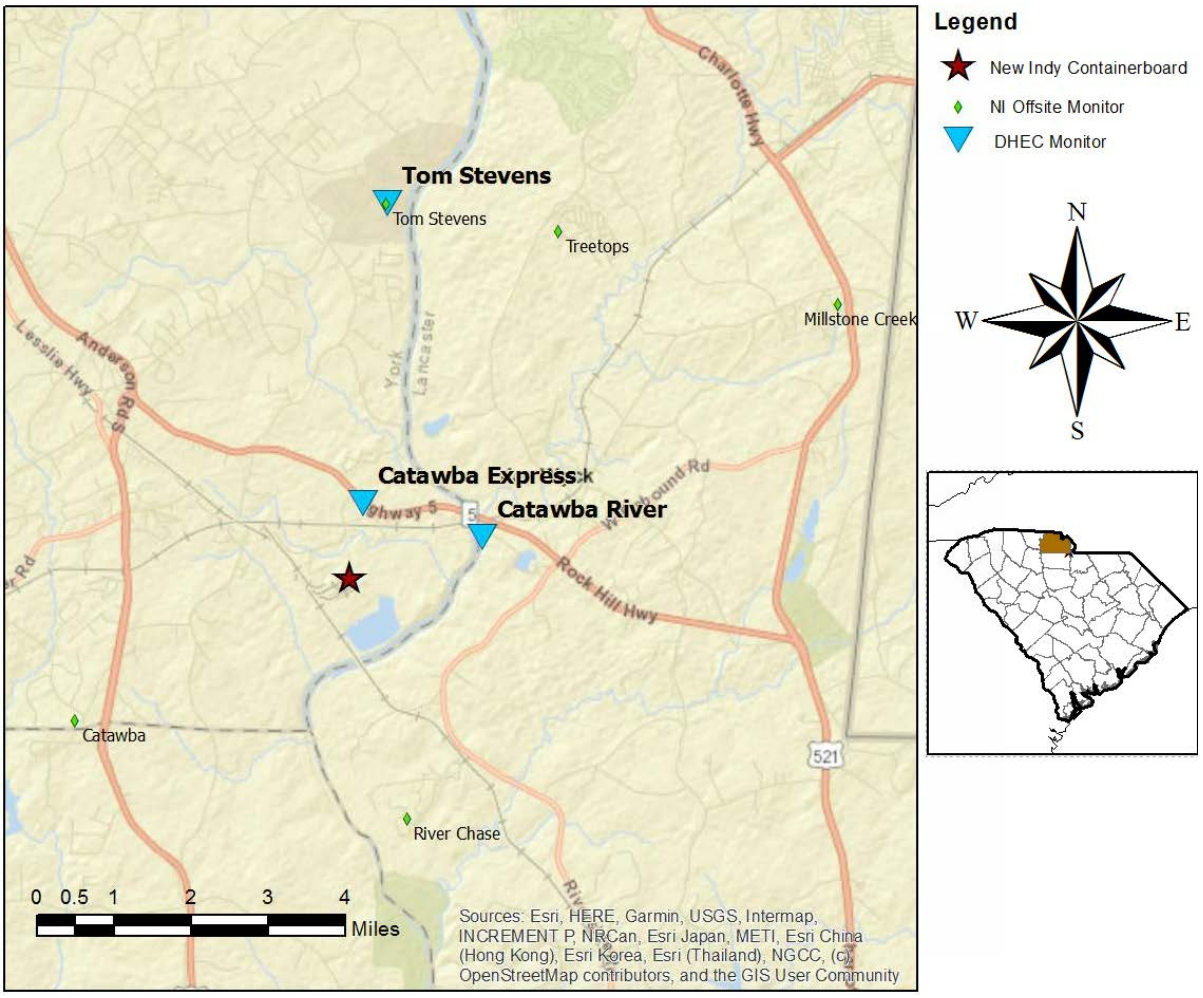
Catawba Express

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

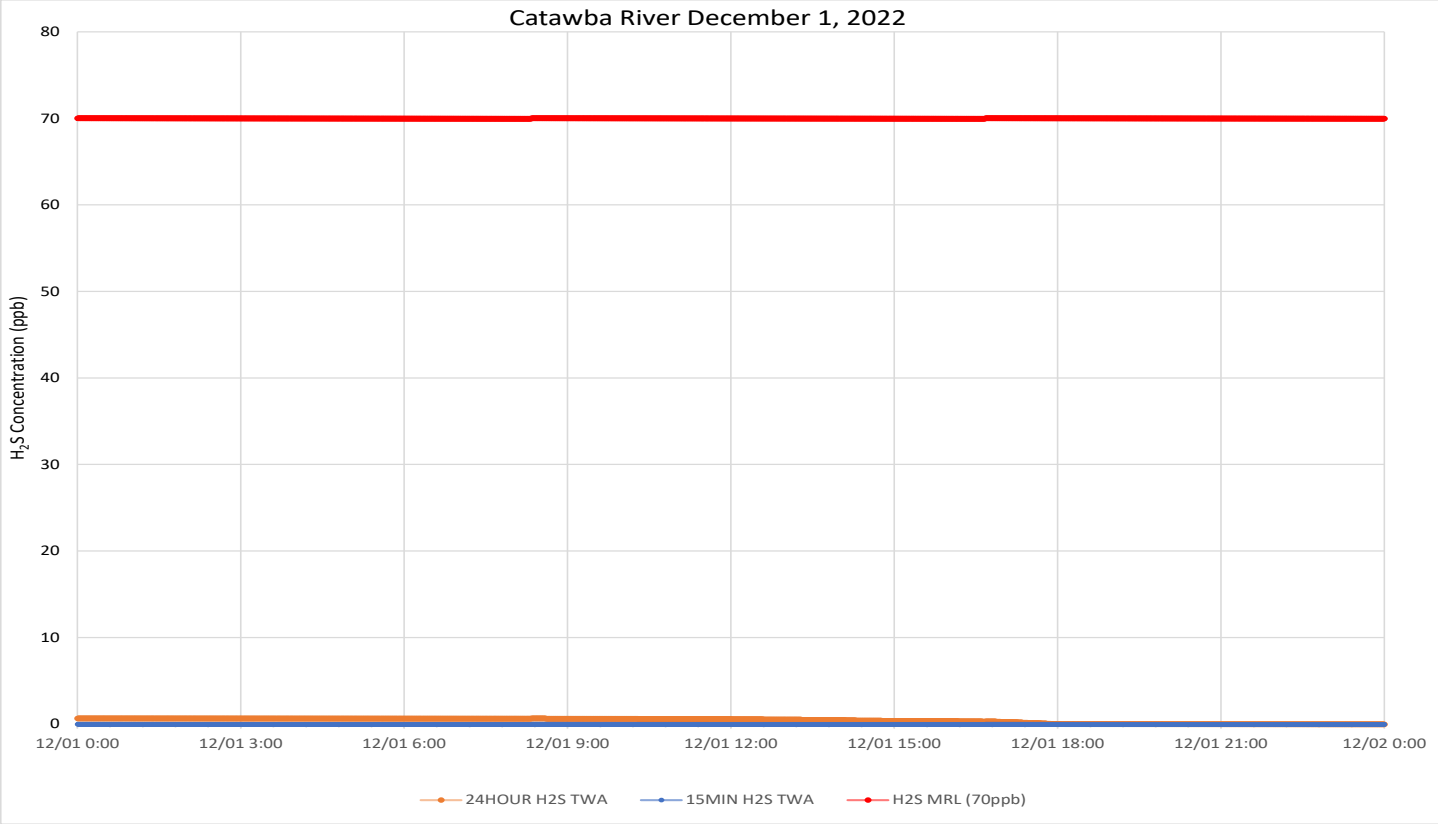
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

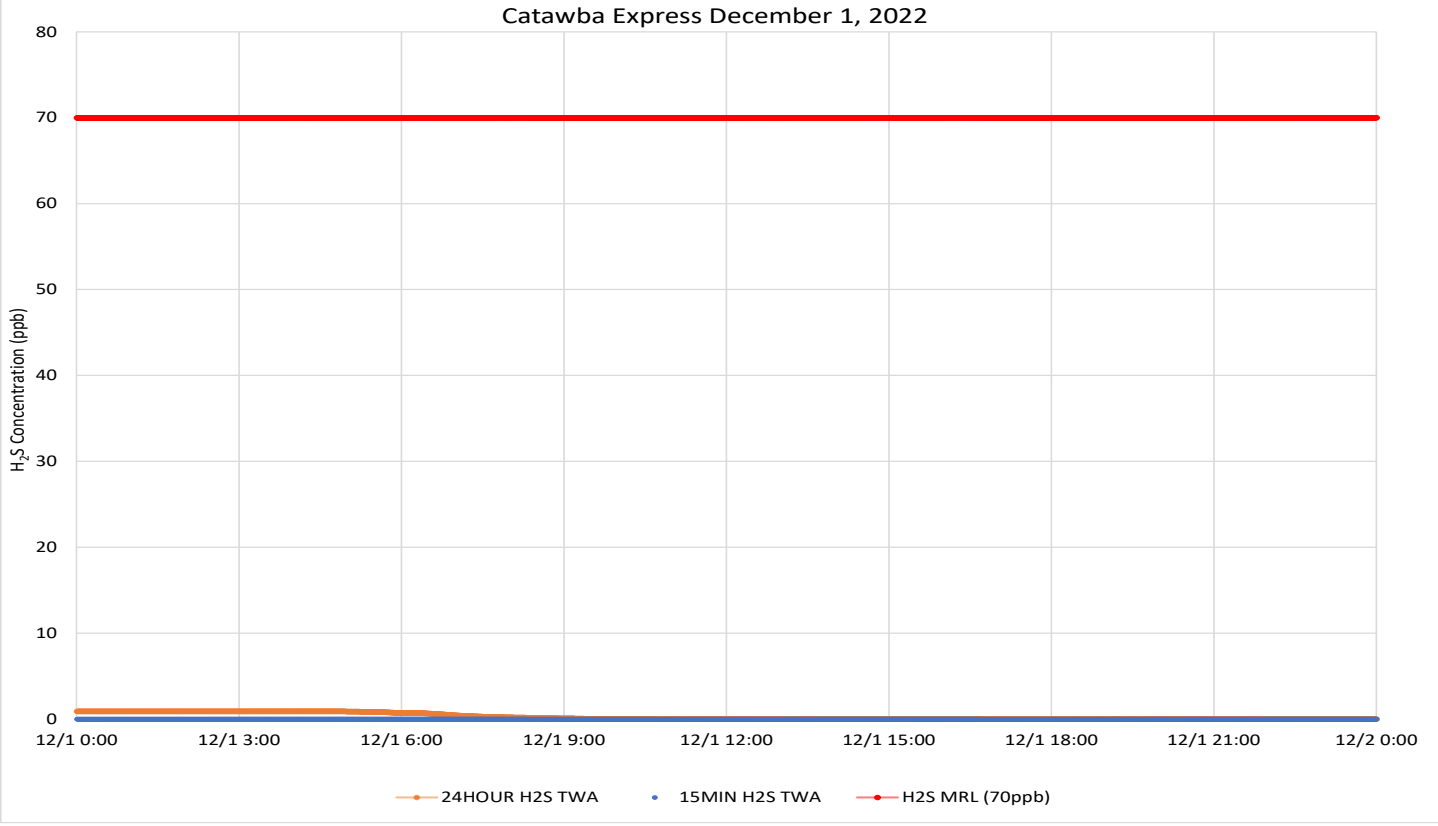


H_2S in South Carolina

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

Winds were from the north northwest to northeast through noon, became light and shifted to from the west in the early afternoon, and then became calm for the remainder of 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: **12/2/22 12:00 AM** ***To:*** **12/2/22 11:59 PM**

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	171	0 - 2 ppb	0.07 ppb	70 ppb

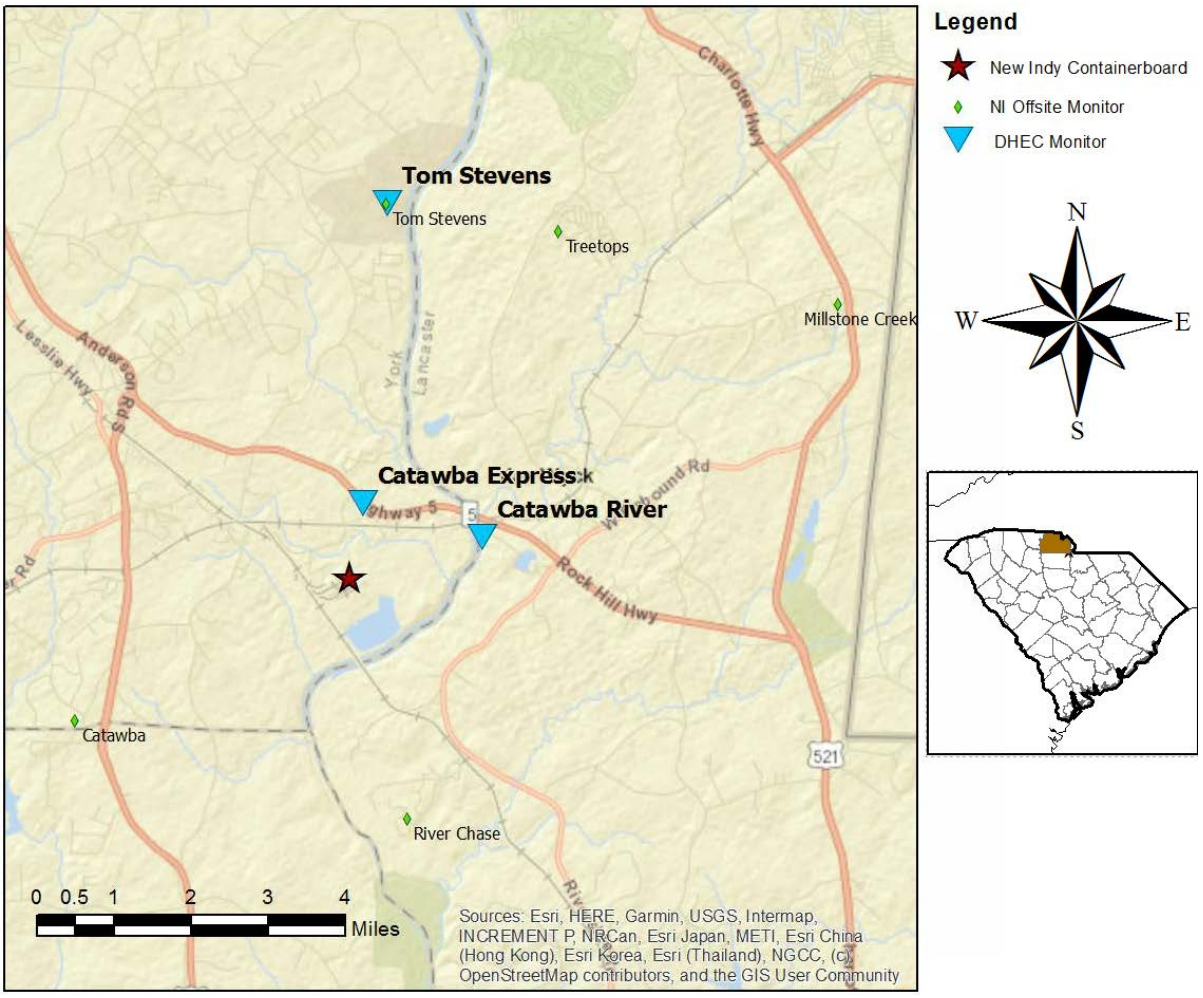
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	755	0 - 4 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.

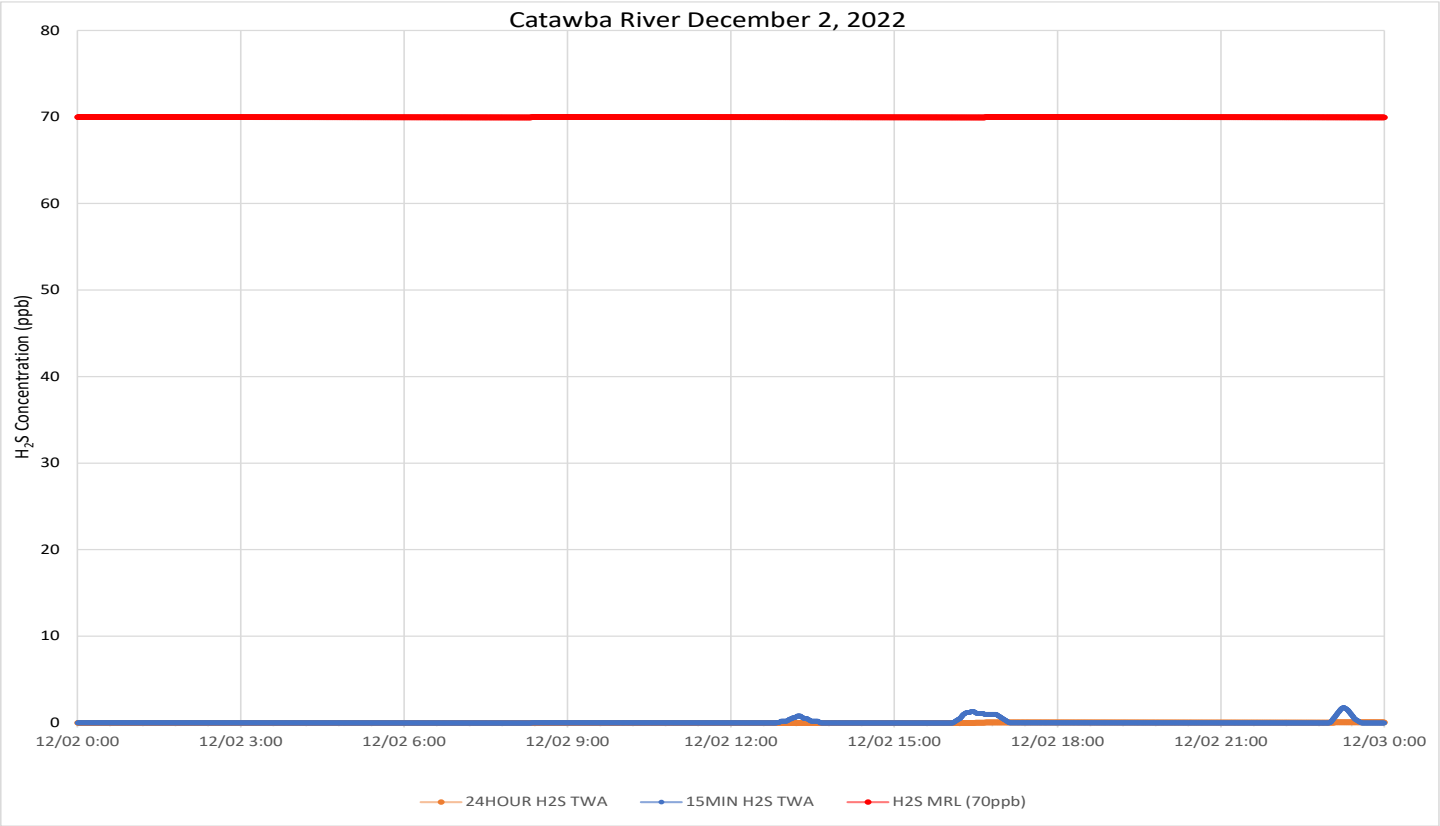
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

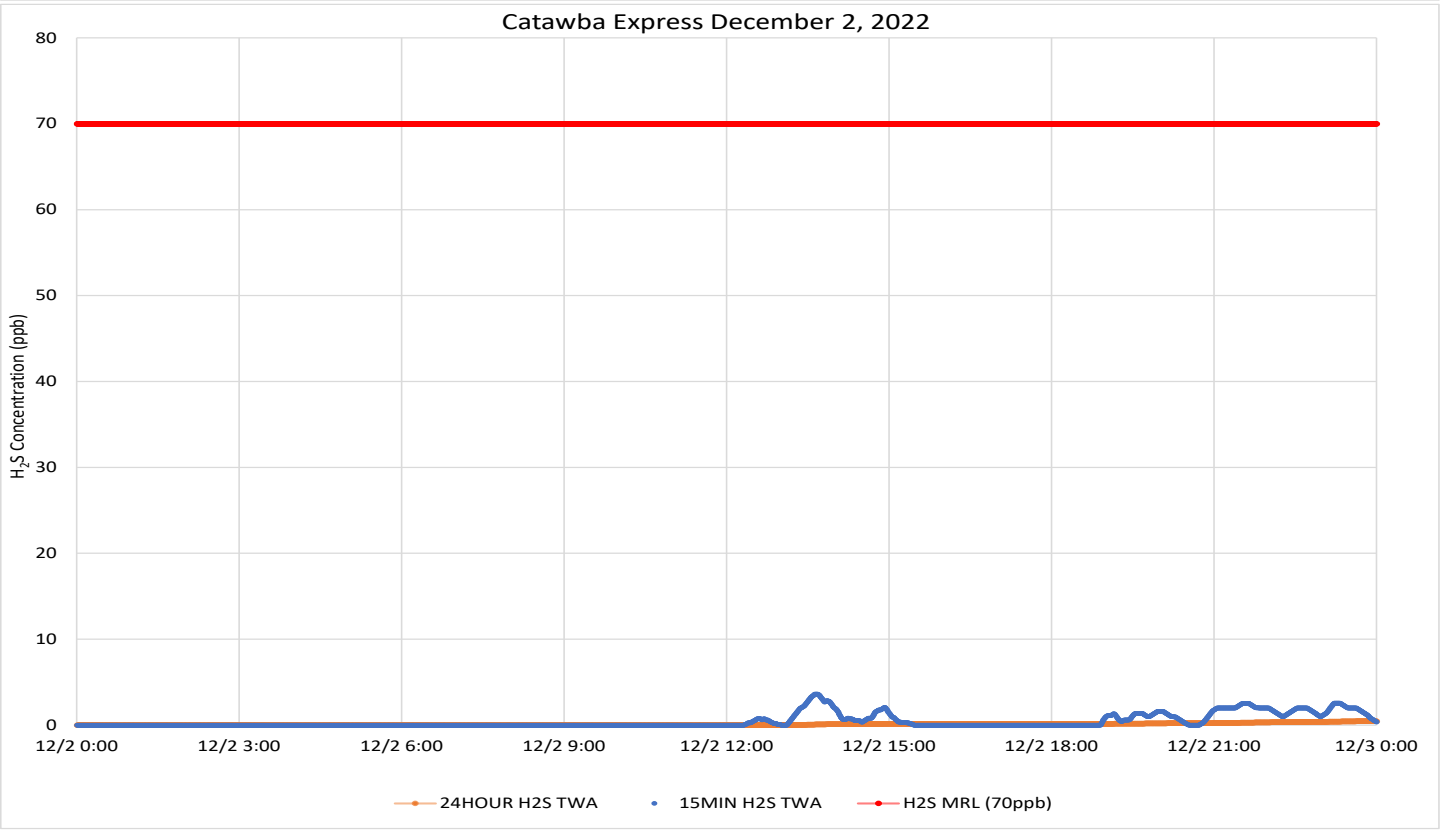


H_2S in South Carolina

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

Winds were calm for most of the period (22 of 24 hours). When detected in the morning, wind was indicated to be very light and moving from the north.





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: **12/3/22 12:00 AM** ***To:*** **12/3/22 11:59 PM**

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	729	0 - 8 ppb	0.64 ppb	70 ppb

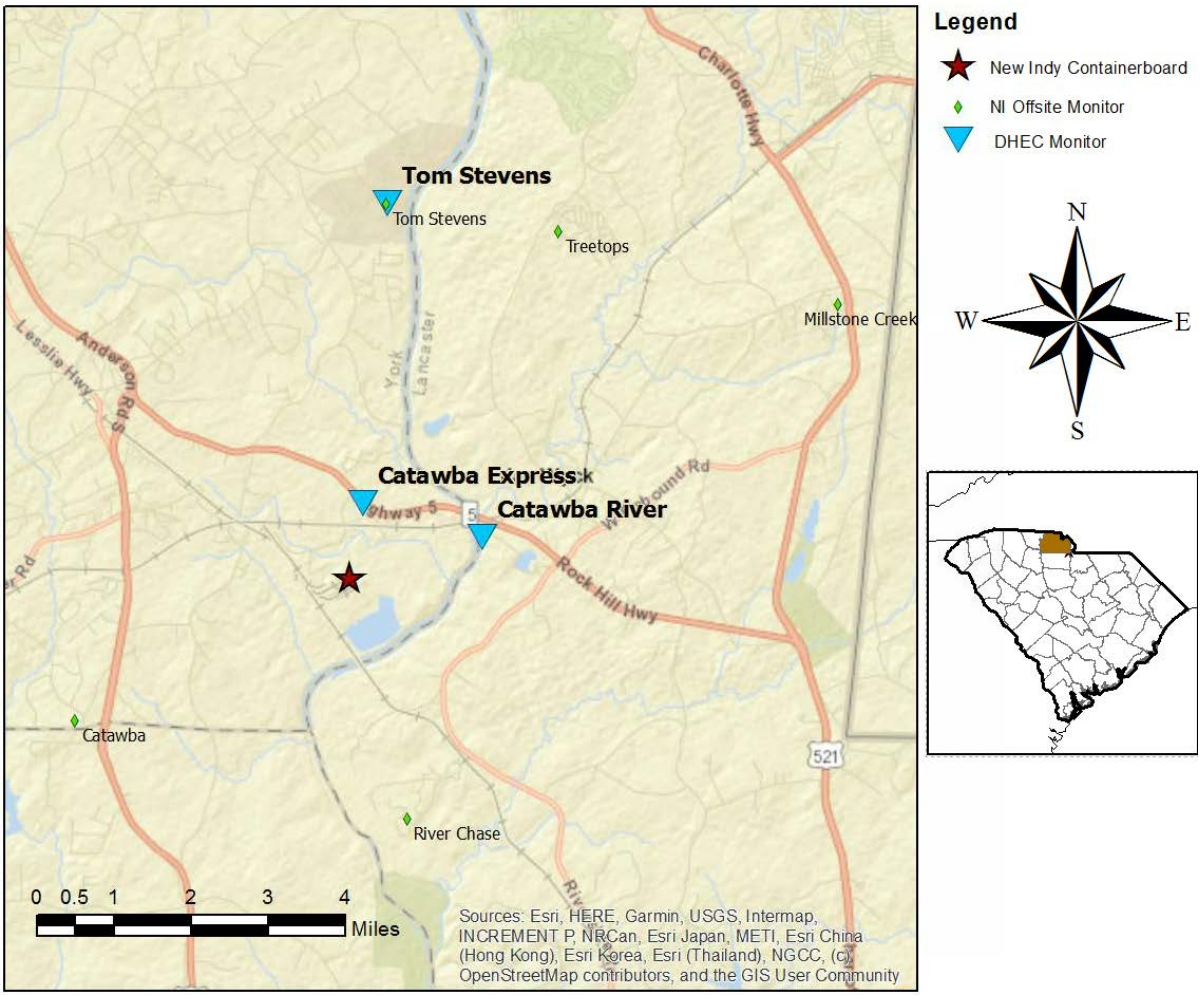
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	211	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.

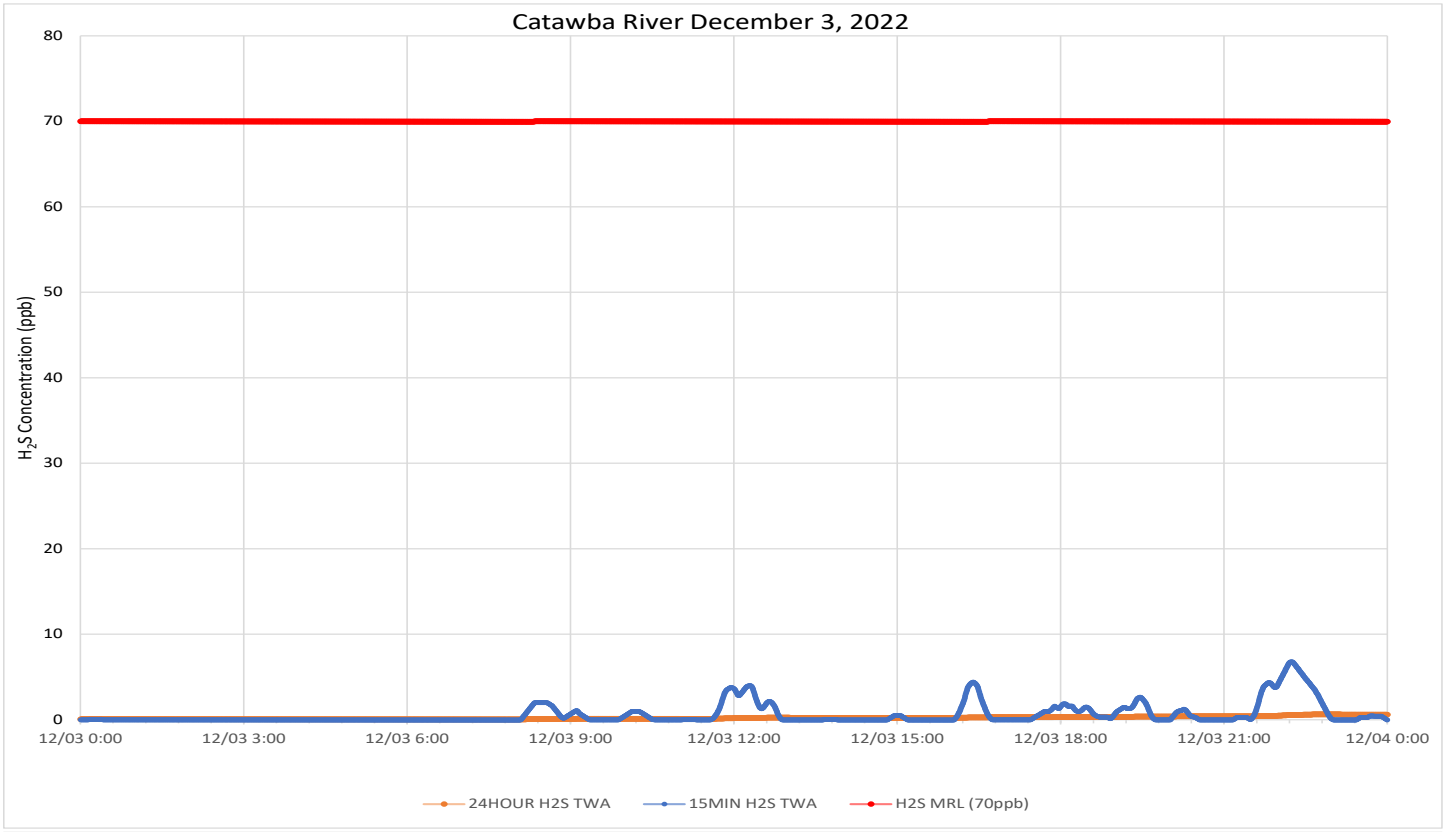
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

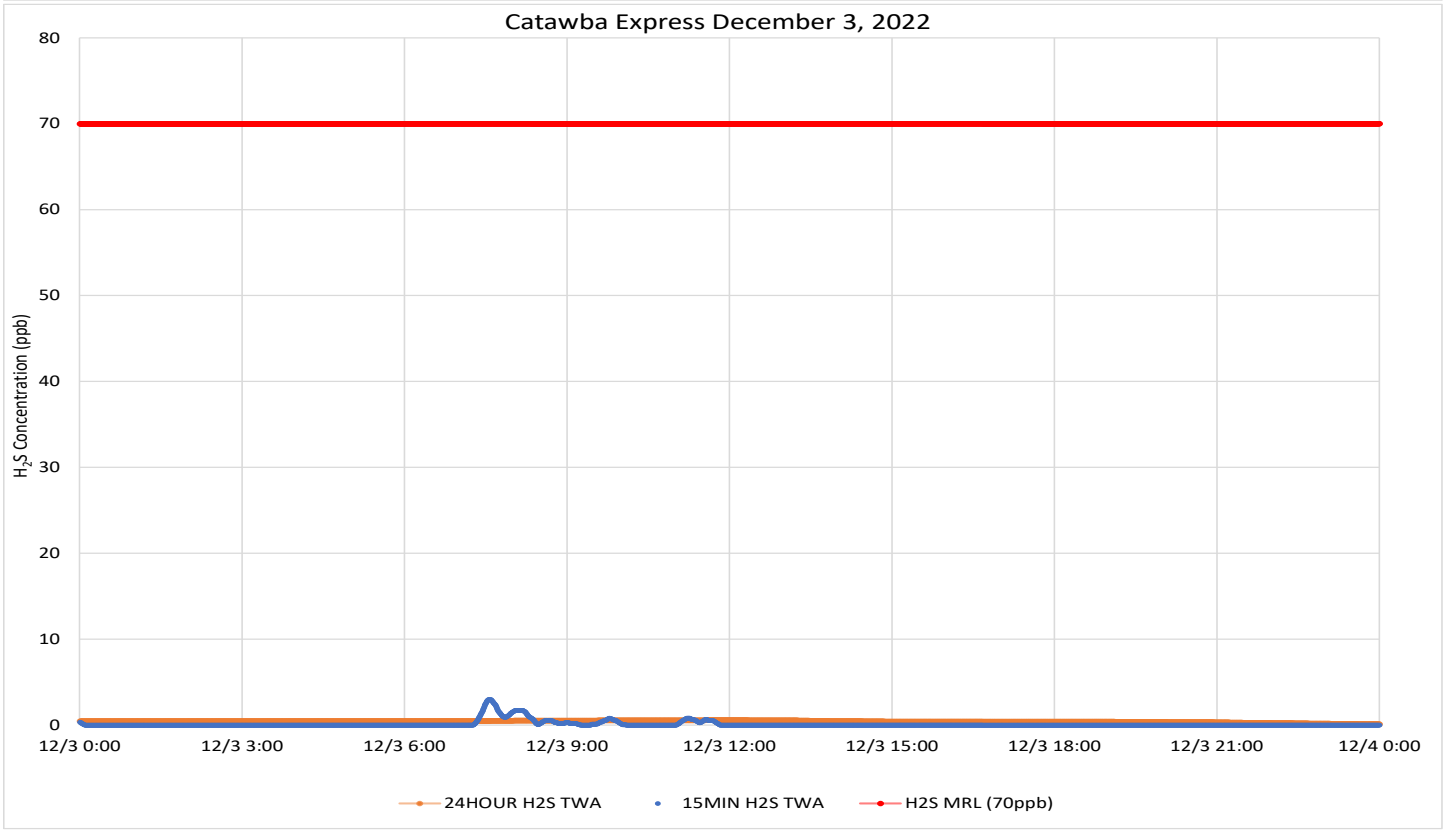


H_2S in South Carolina

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

Winds were calm during the early morning. After dawn, winds were from the south southwest, trending more southwest to west through the end of 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: **12/4/22 12:00 AM** ***To:*** **12/4/22 11:59 PM**

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	130	0 - 2 ppb	0.06 ppb	70 ppb

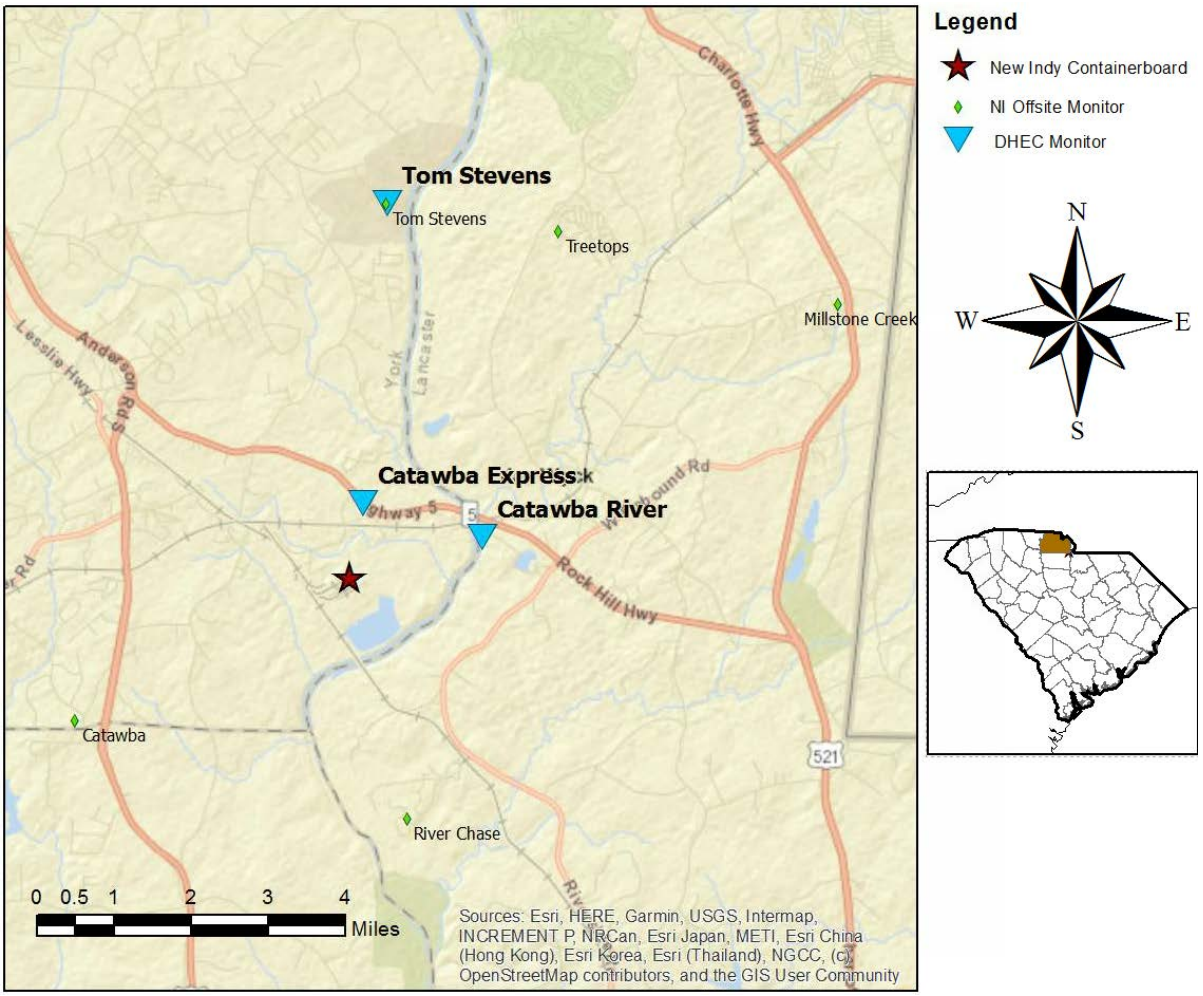
Catawba Express

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

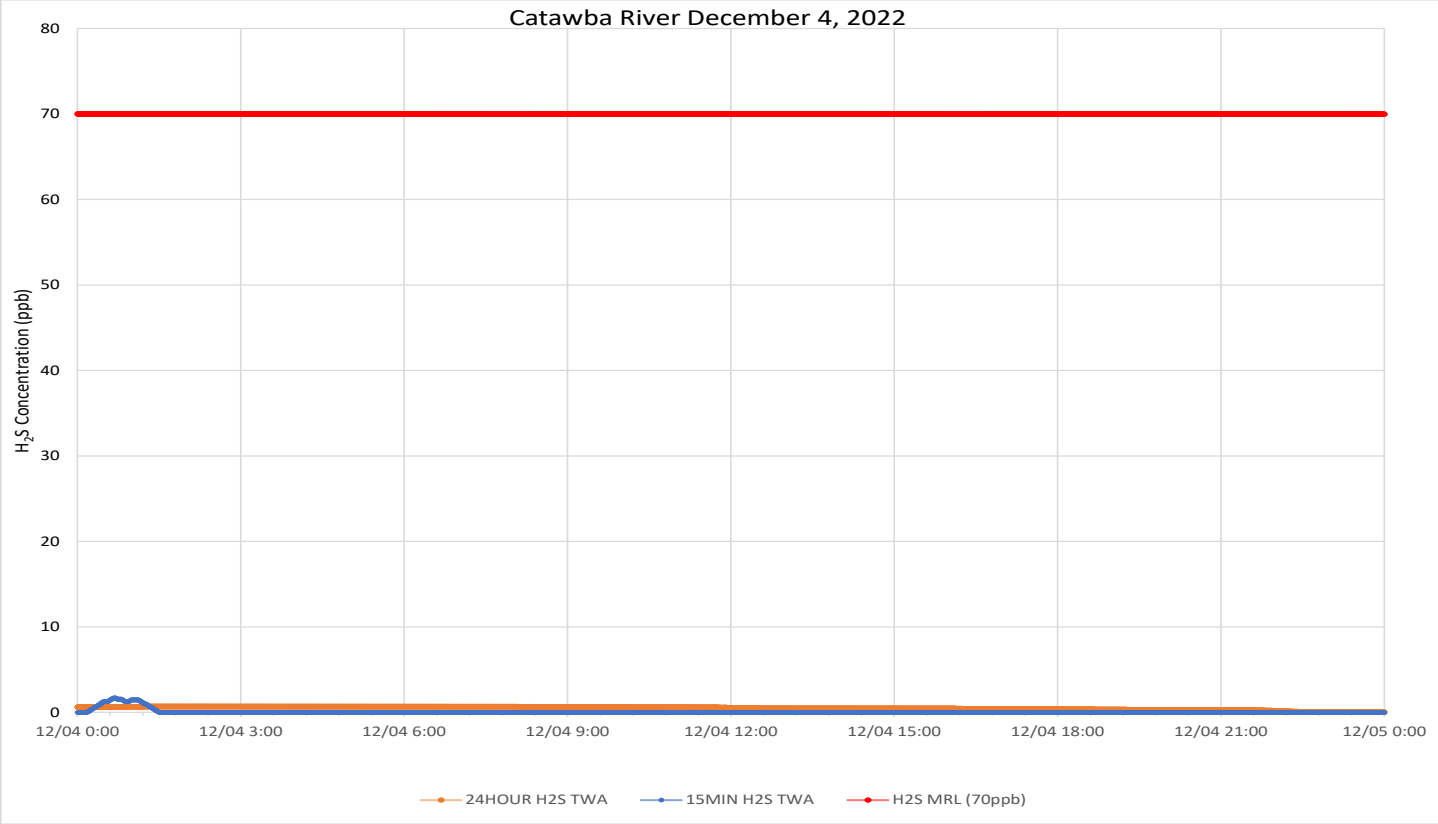
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

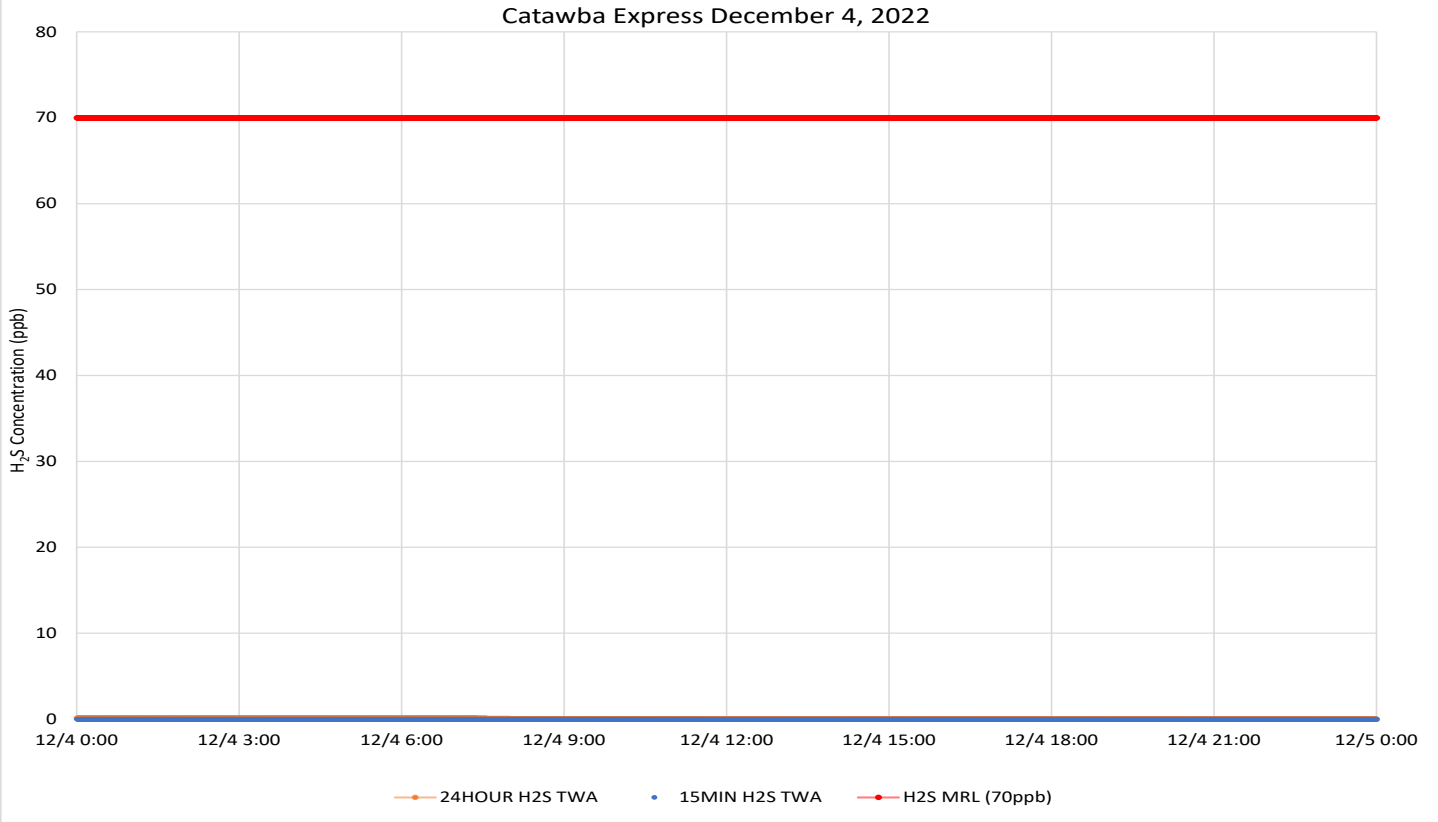


H_2S in South Carolina

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

Winds were light and variable to calm during the period. Wind shifted to the north northeast very early in the period and, when detected, remained coming from the north northeast to east northeast through the end of 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: **12/5/22 12:00 AM** ***To:*** **12/5/22 11:59 PM**

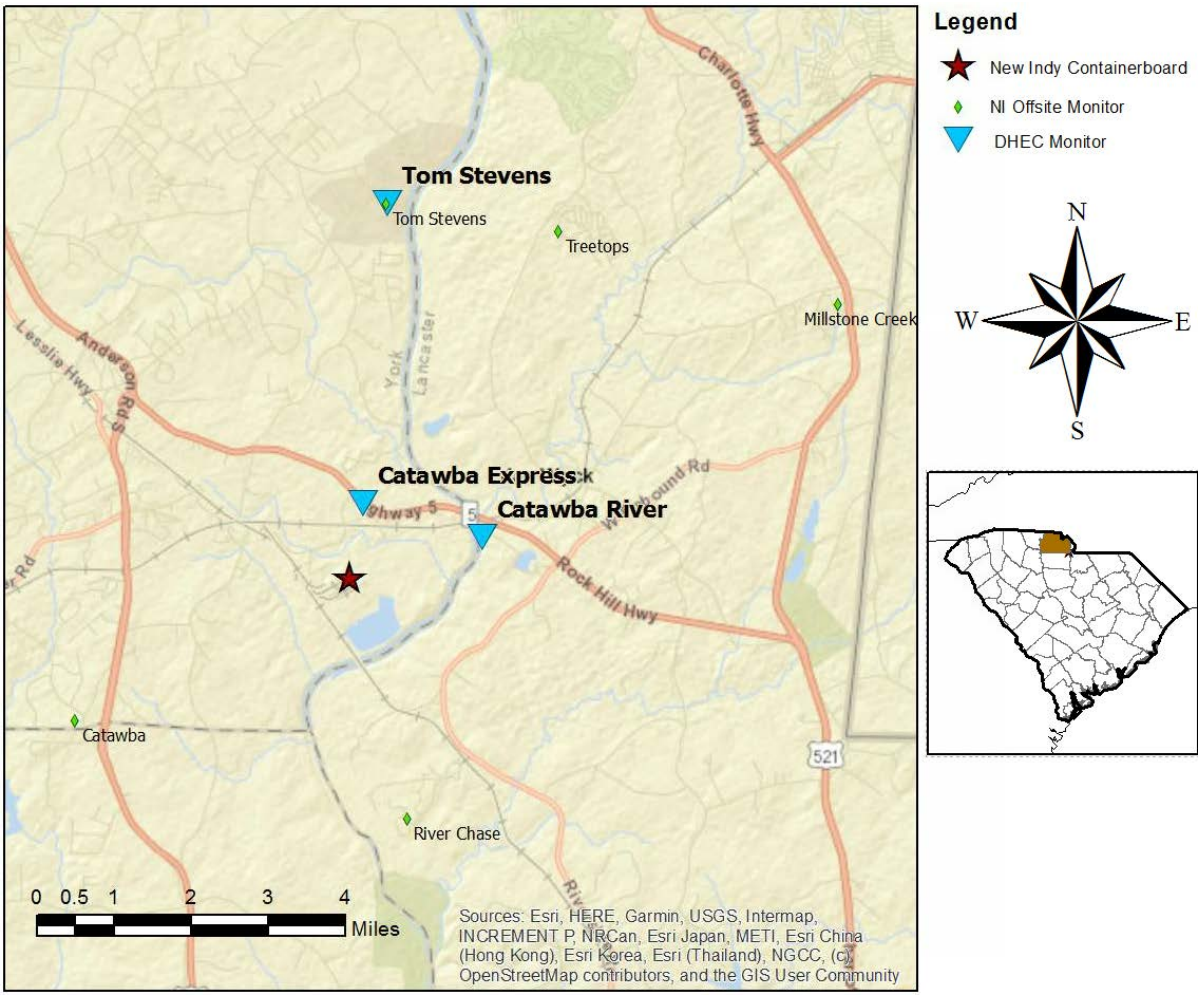
Catawba River							
Instrument	**Analyte**	**ATSDR MRL Exceedance?**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**ATSDR MRL**
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

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	25	0 - 3 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.

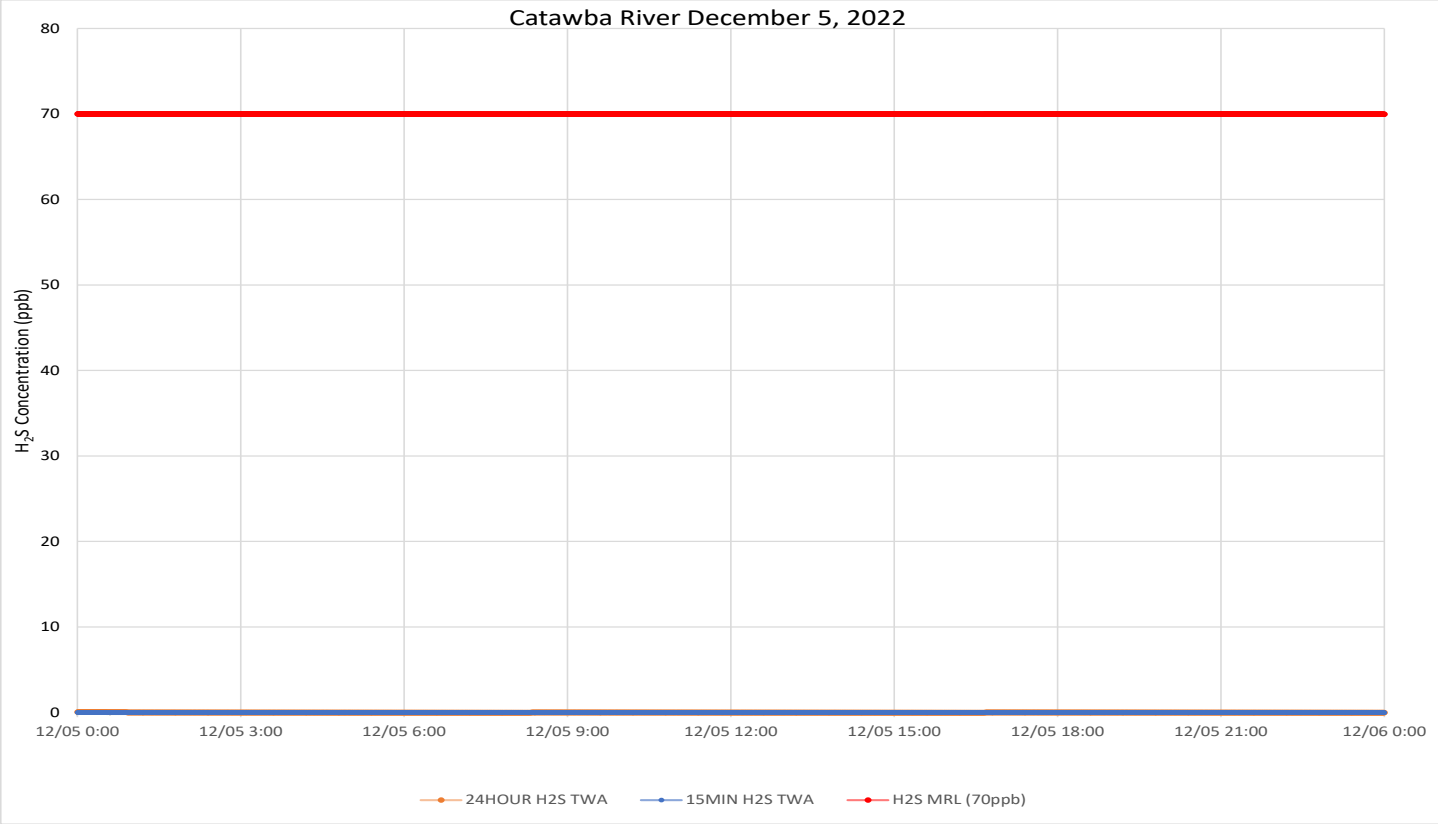
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

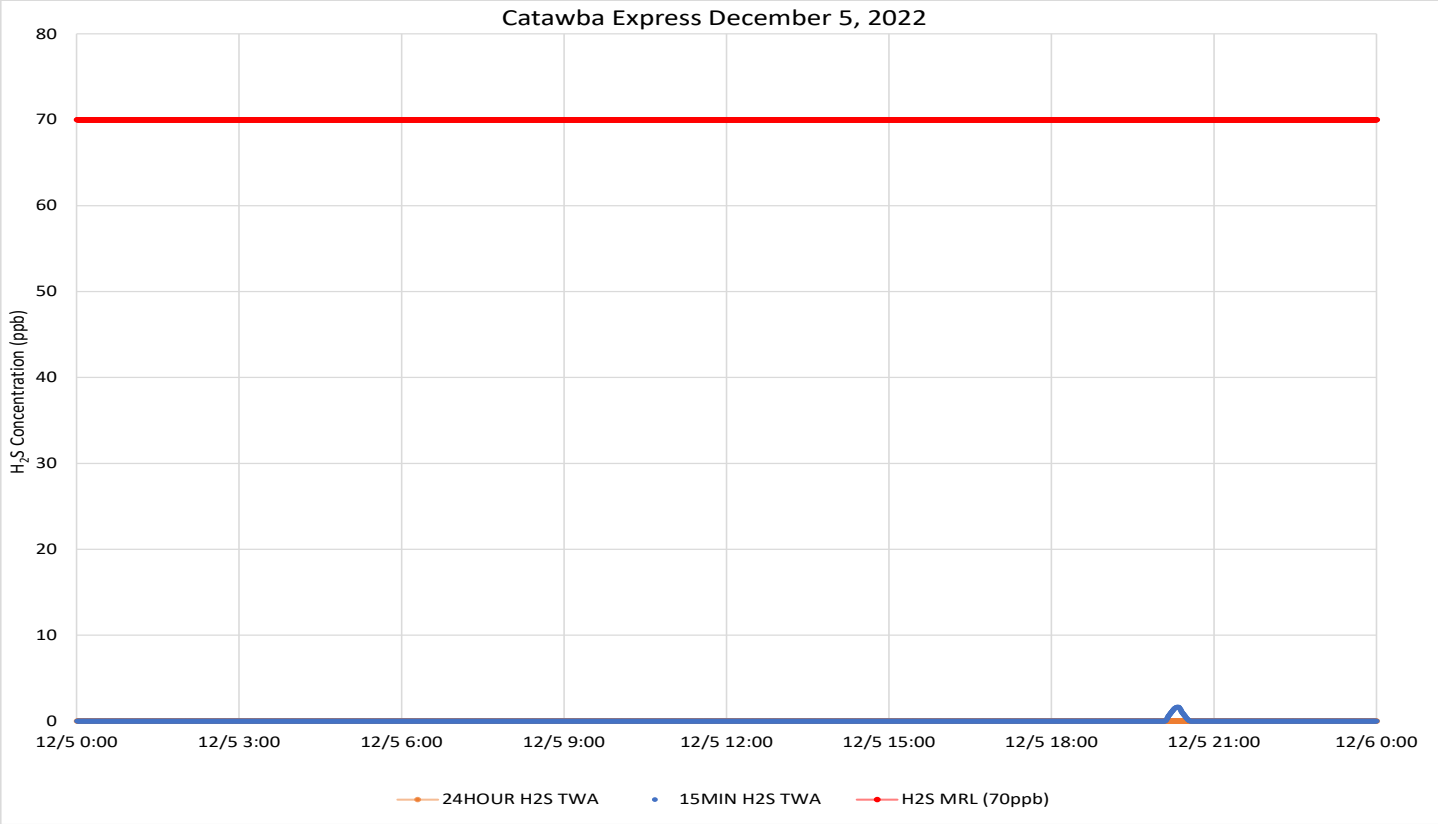


H_2S in South Carolina

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

Winds were light and variable and often calm during the period. When detected, wind was generally from the east northeast to northeast, except for several hours in the early afternoon when it was more from the east.





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: **12/6/22 12:00 AM** ***To:*** **12/6/22 11:59 PM**

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

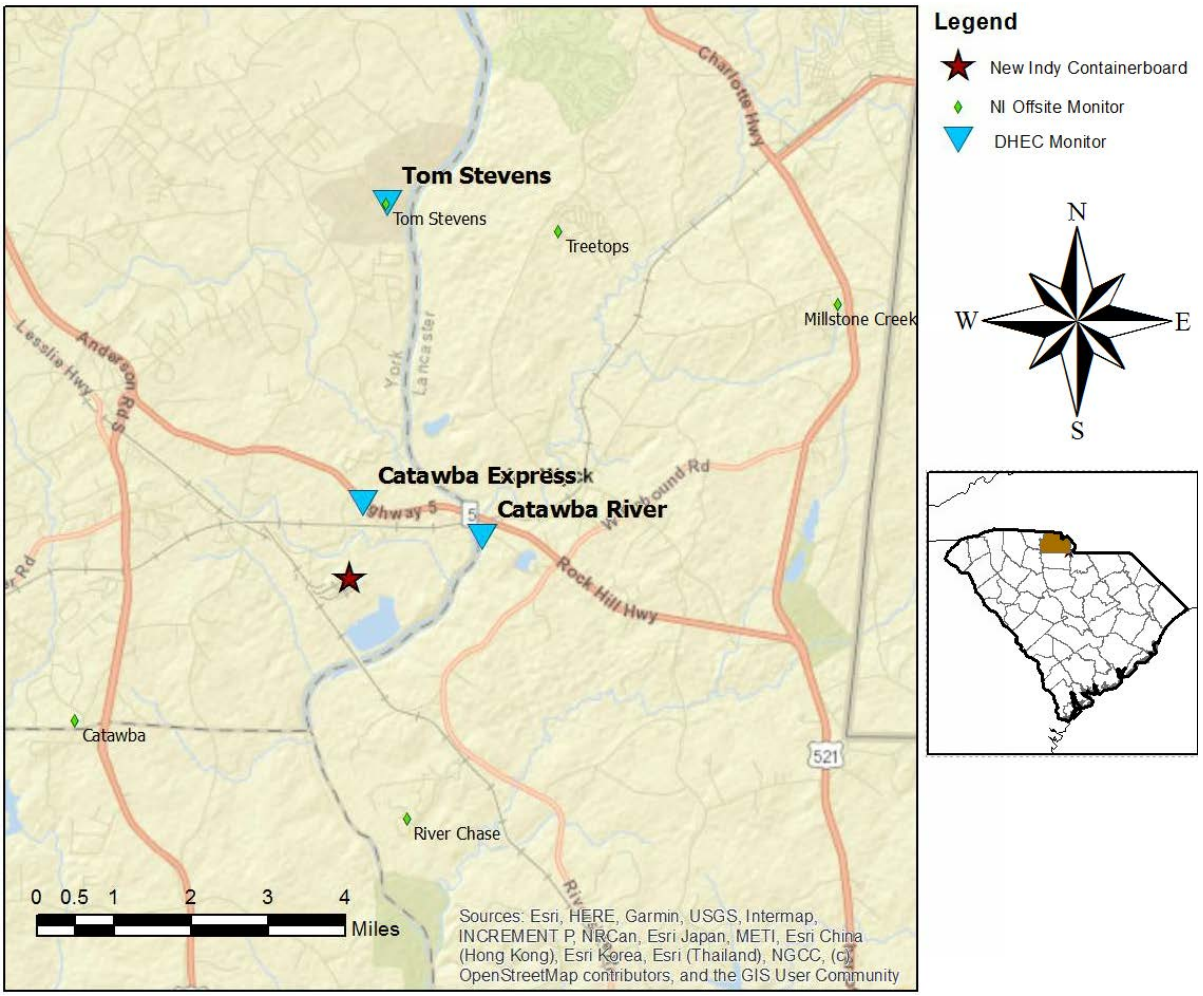
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	94	0 - 3 ppb	0.05 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.

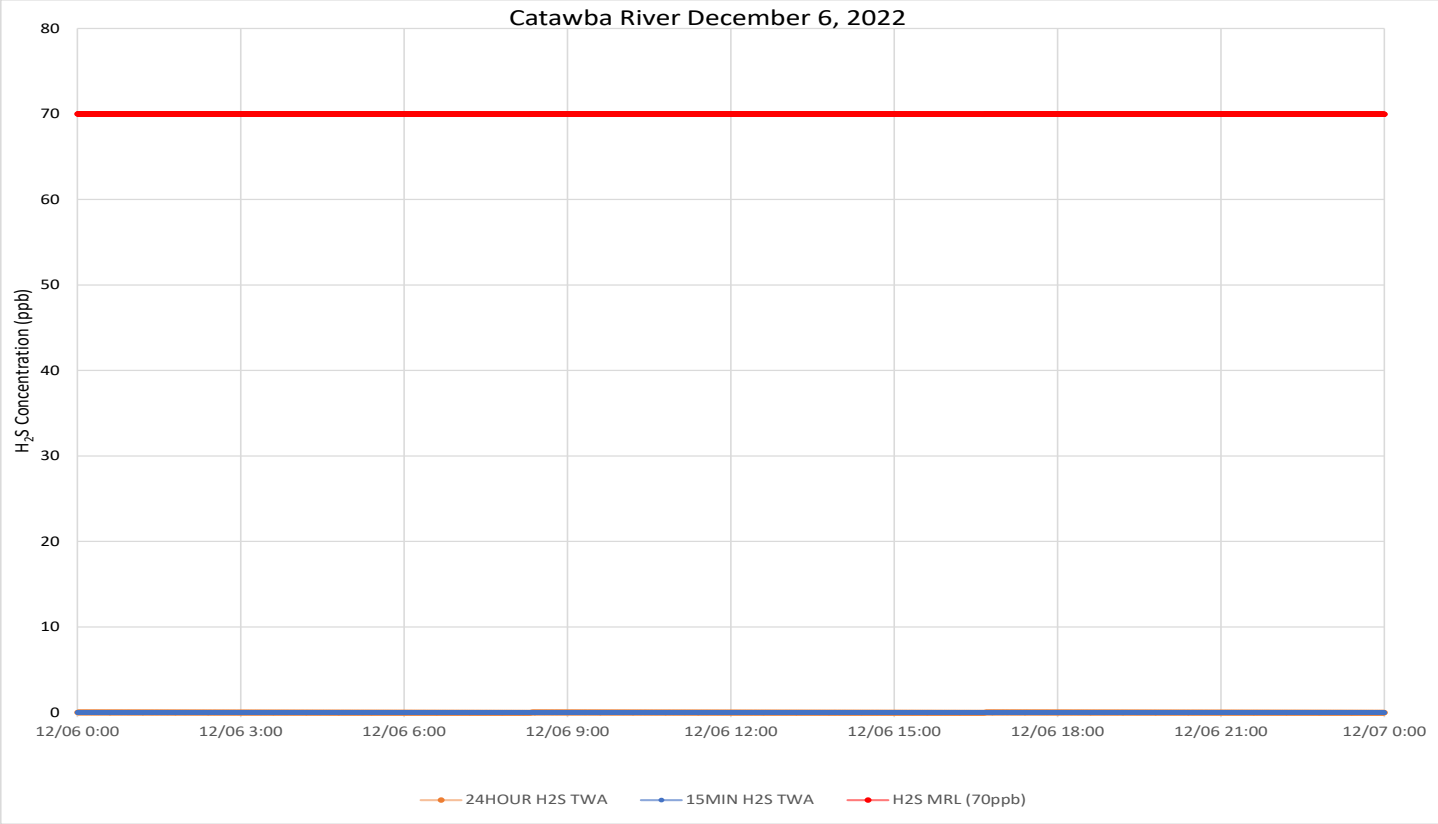
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

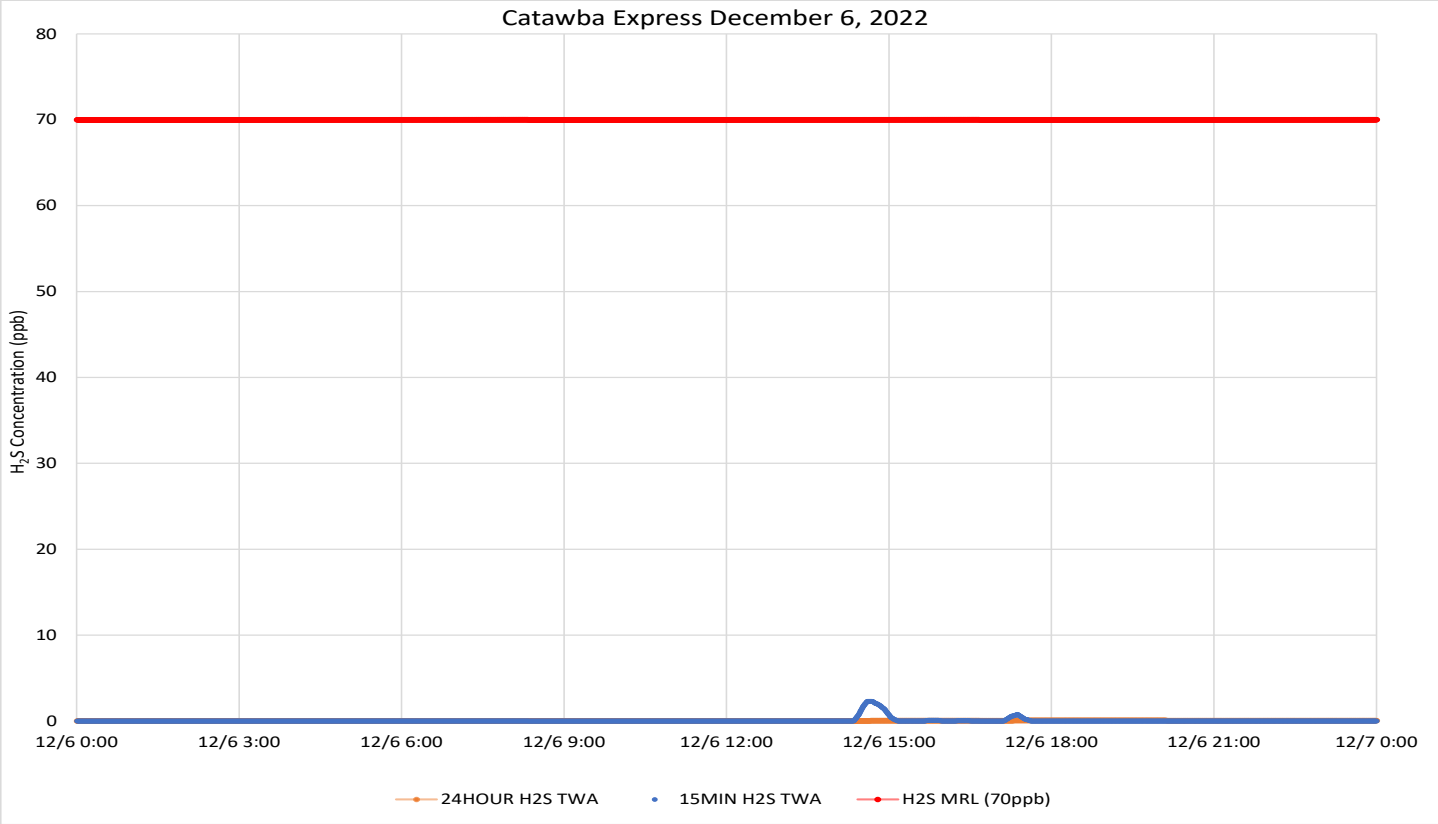


H_2S in South Carolina

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

Winds were light and variable and often calm (16 of 24 hours) during the period. When detected, wind was generally 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: **12/7/22 12:00 AM** ***To:*** **12/7/22 11:59 PM**

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	841	0 - 9 ppb	0.68 ppb	70 ppb

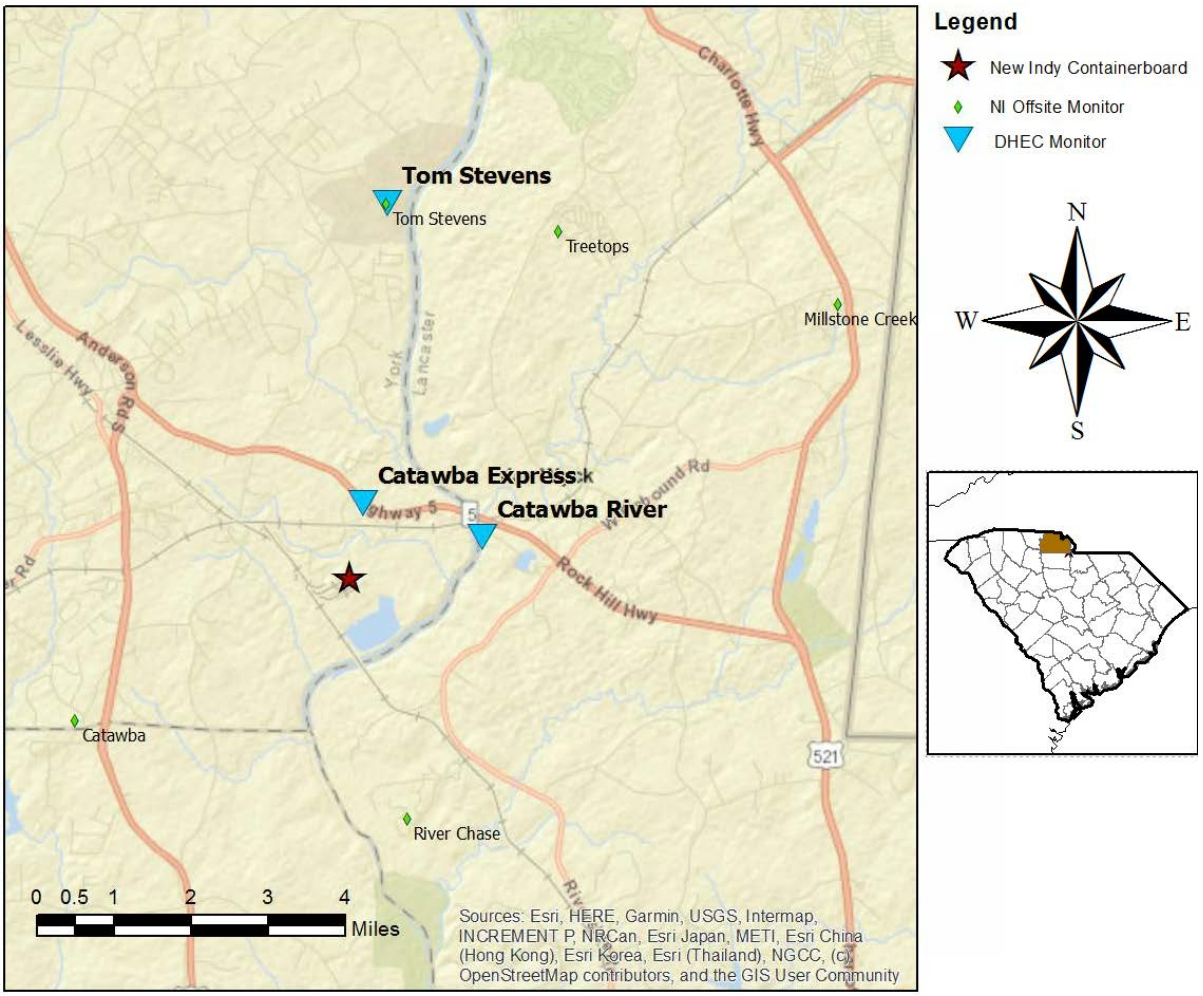
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	281	0 - 5 ppb	0.2 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.

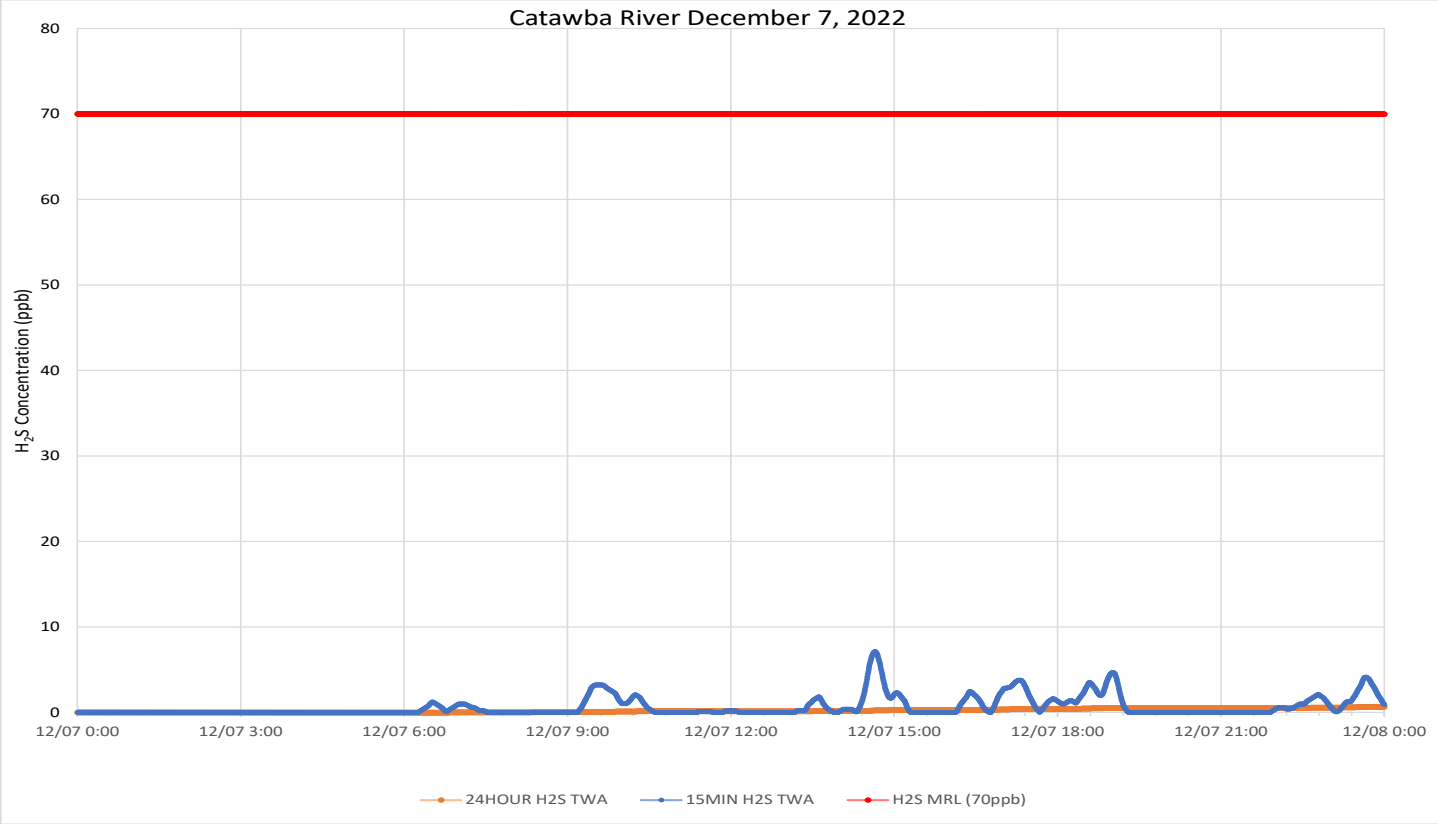
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

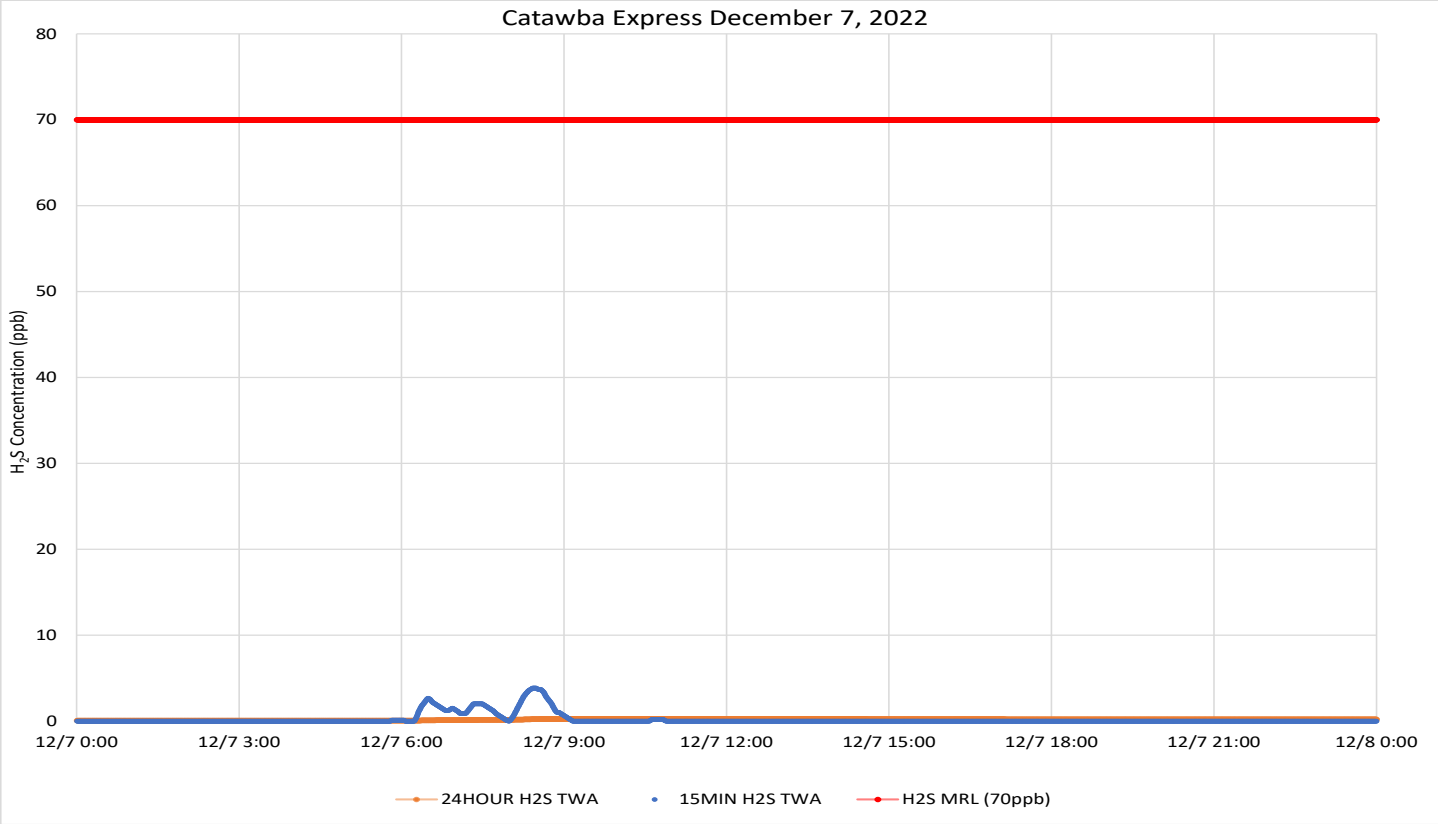


H_2S in South Carolina

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

Winds were light and variable to calm before dawn. Wind was from the south, trending 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

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: **12/8/22 12:00 AM** ***To:*** **12/8/22 11:59 PM**

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

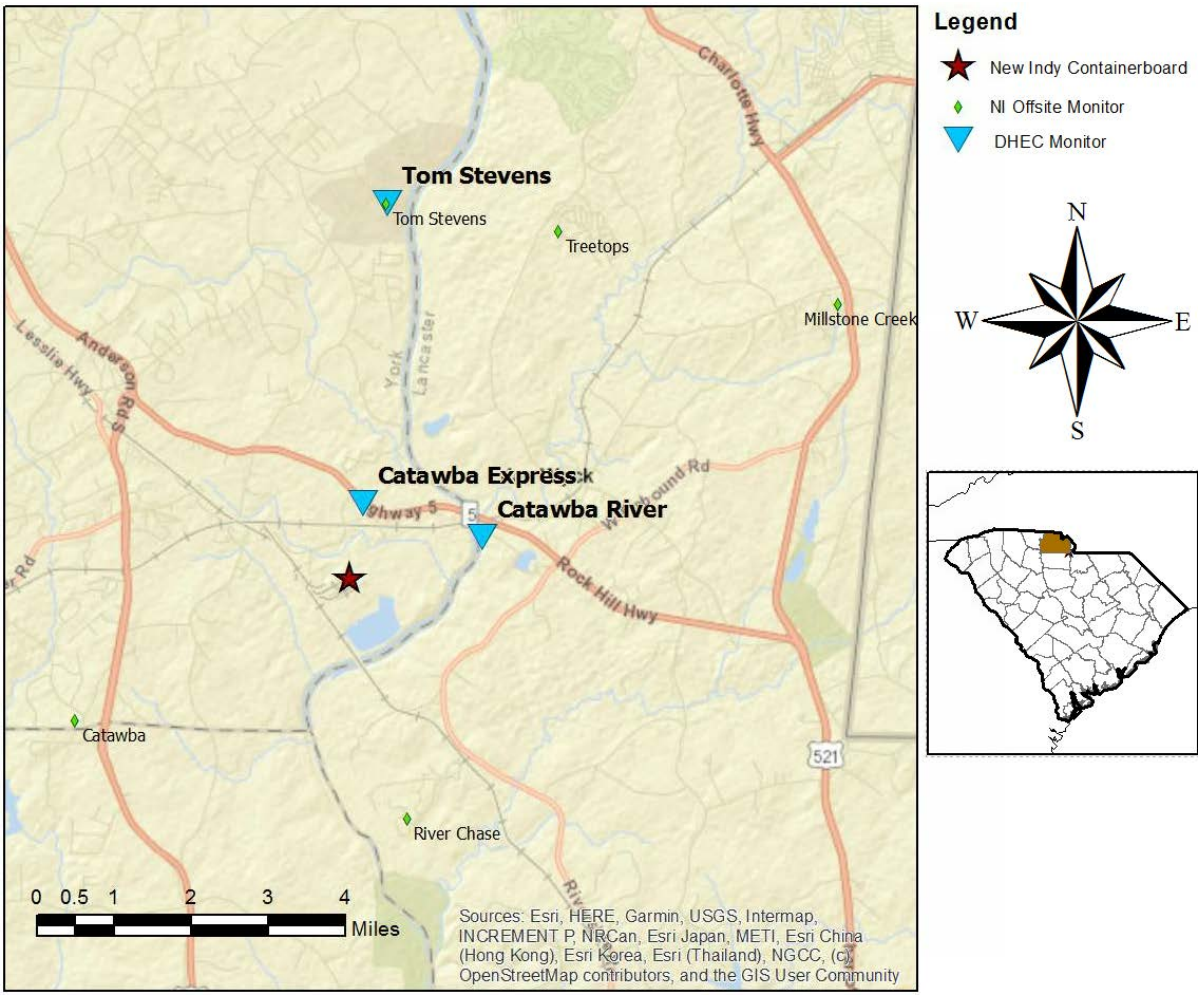
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	65	0 - 9 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.

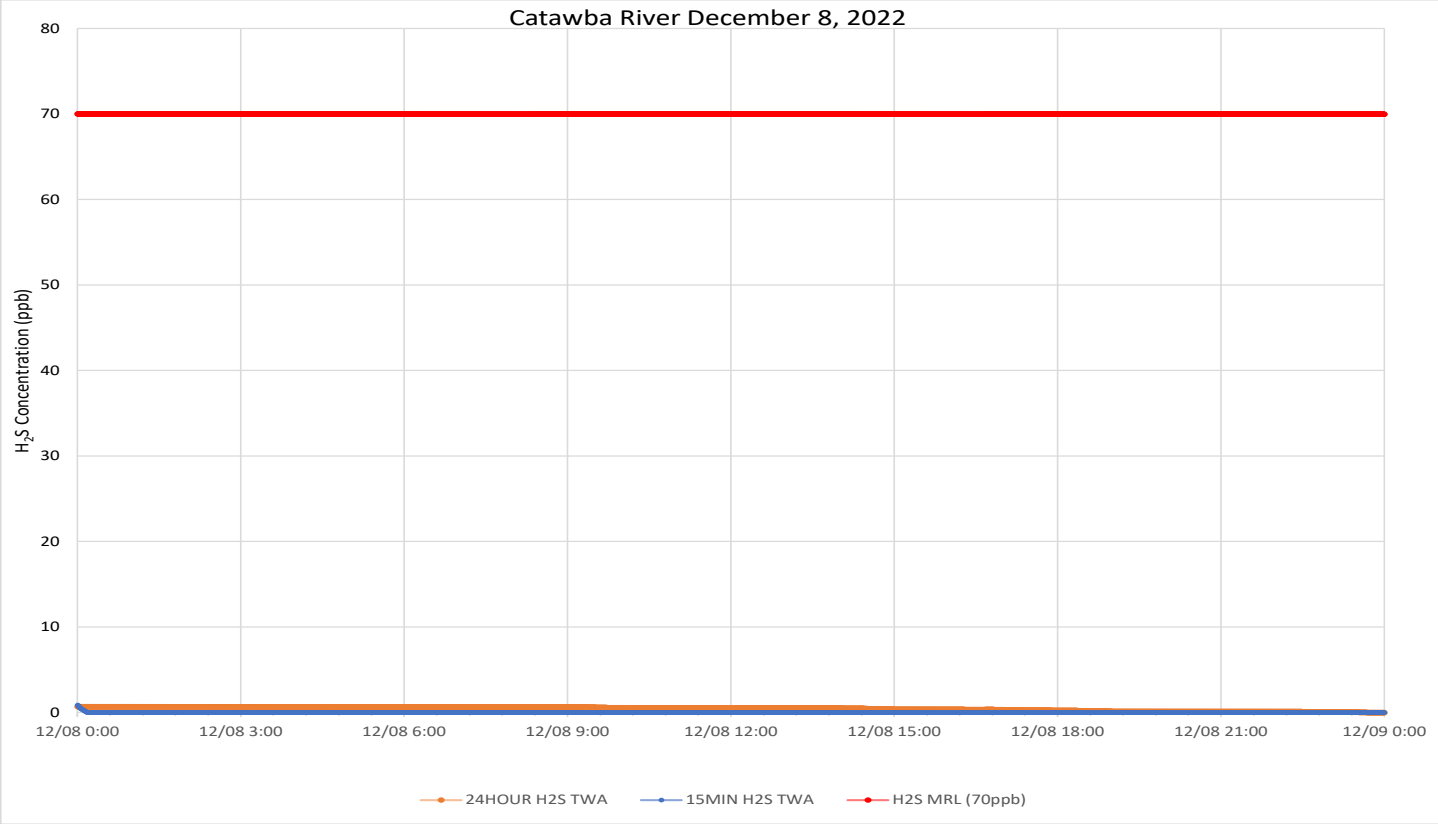
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

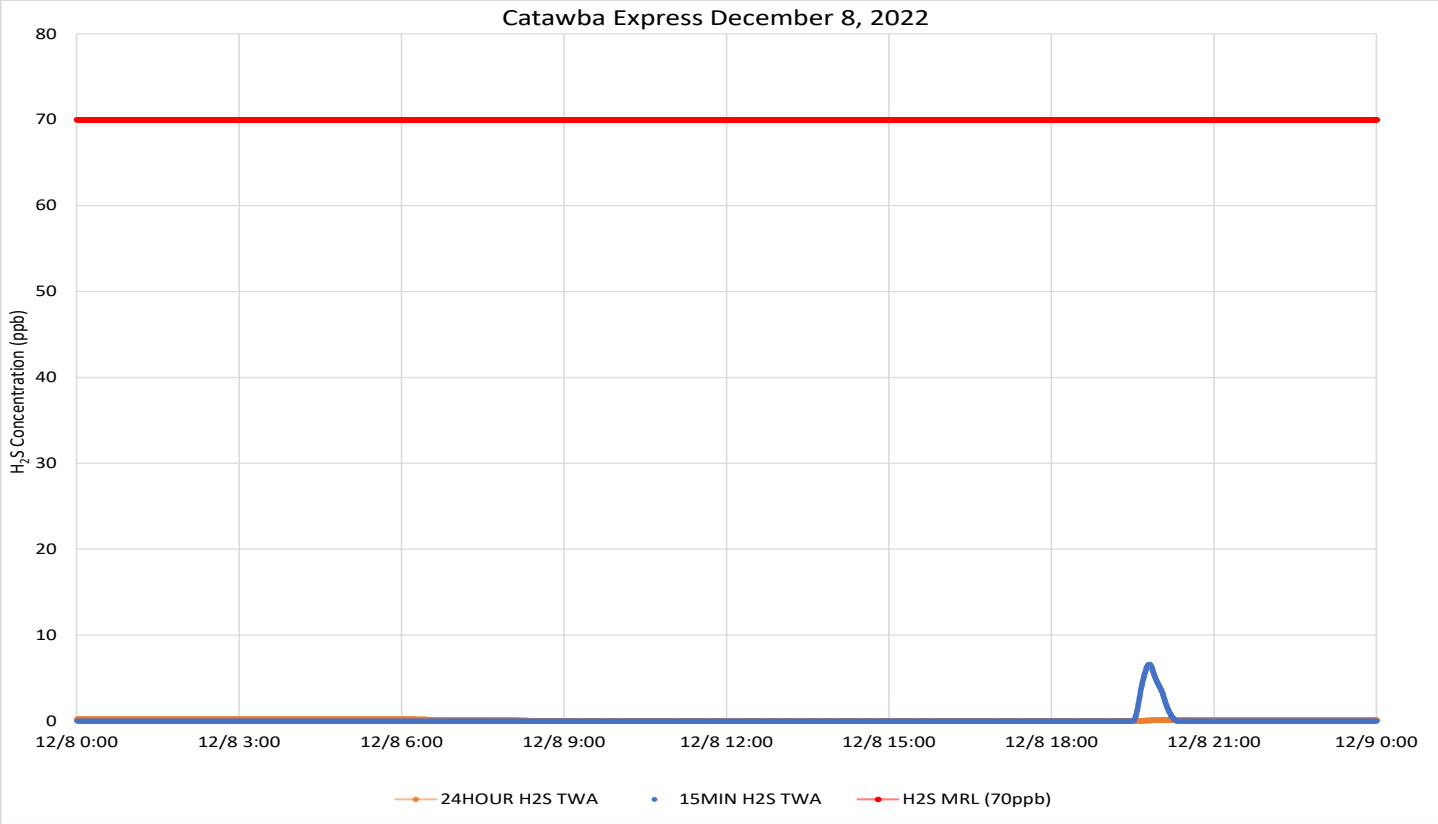


H_2S in South Carolina

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

Winds were light and highly variable to calm during the period. Wind was generally from the northwest in the early morning hours, from the northeast in the morning and from the southeast in the early evening.





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

Project Name: **H_2S in South Carolina**

From: **12/9/22 12:00 AM** ***To:*** **12/9/22 11:59 PM**

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

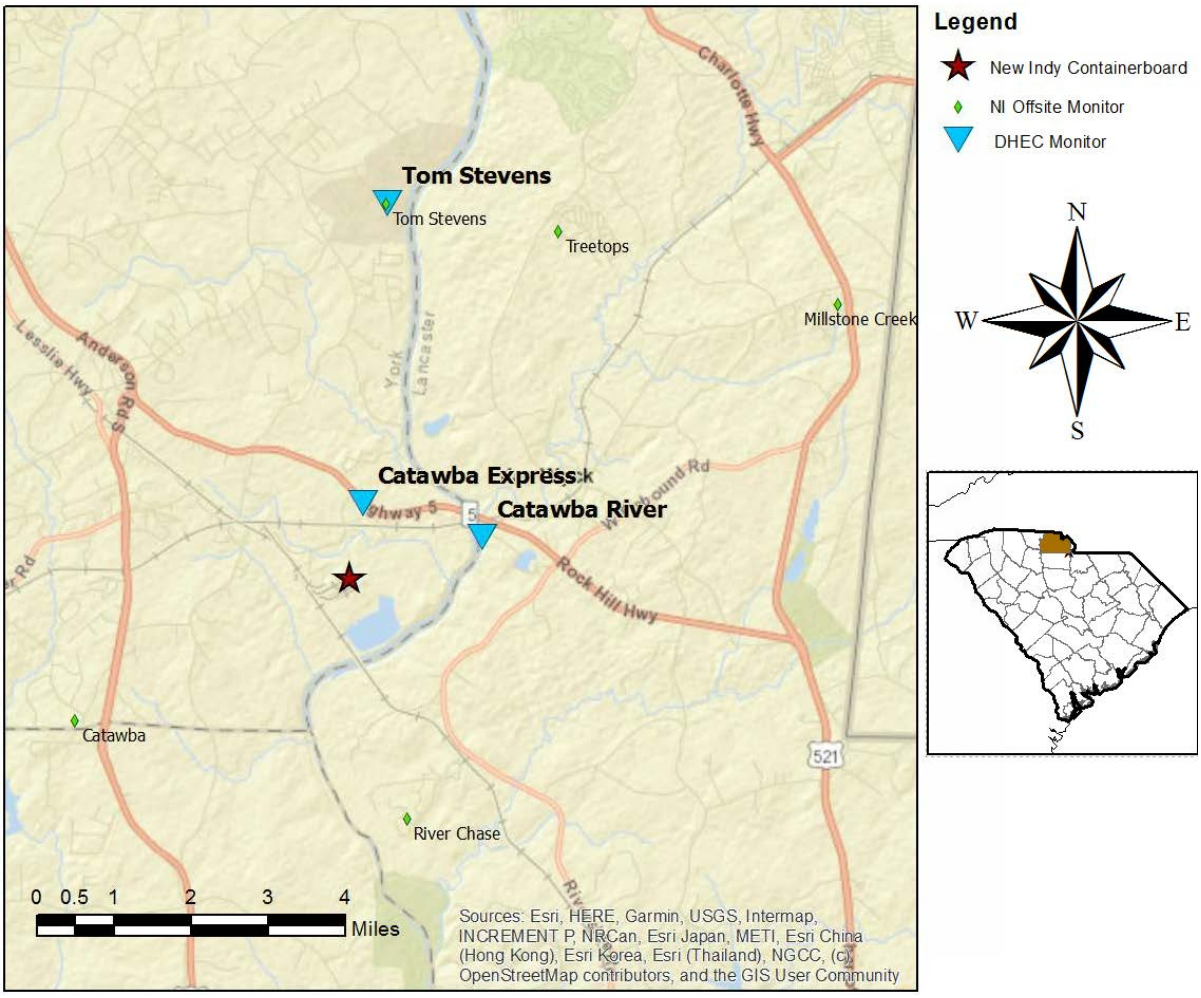
Catawba Express

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

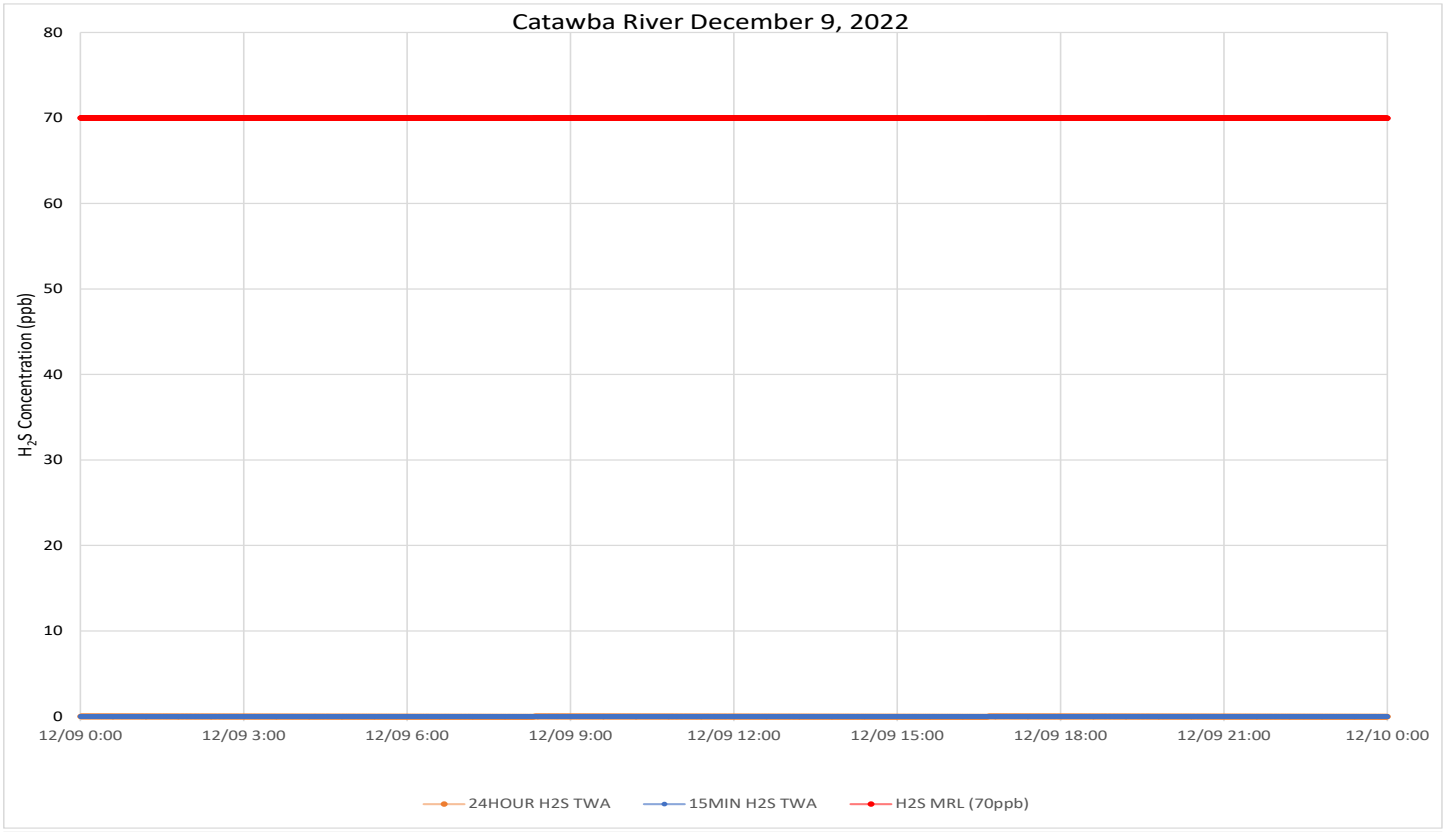
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

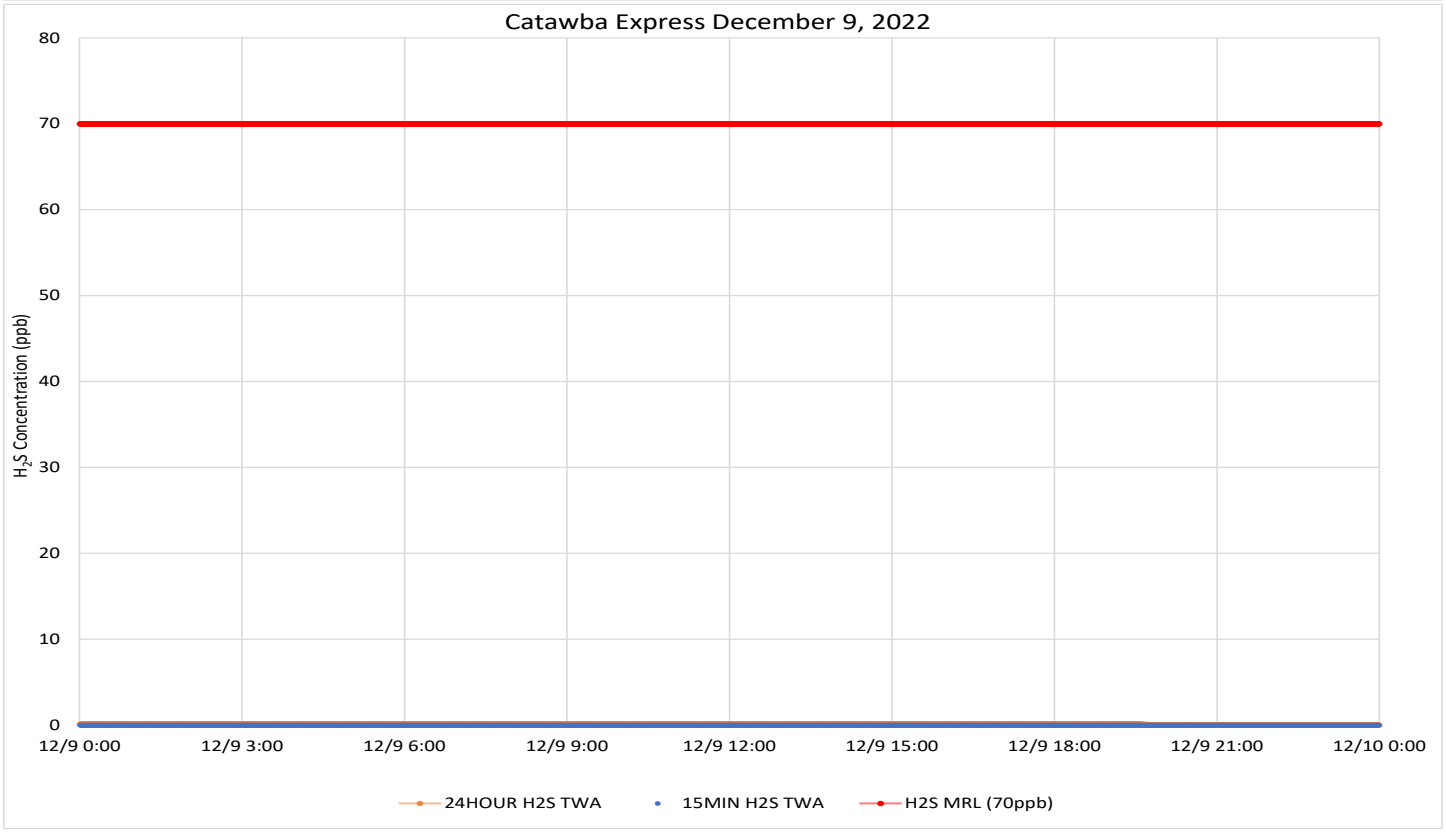


H_2S in South Carolina

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

Winds were light and highly variable to calm during the period. The few hours a wind direction was indicated, the air movement was from the northeast and east.





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

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

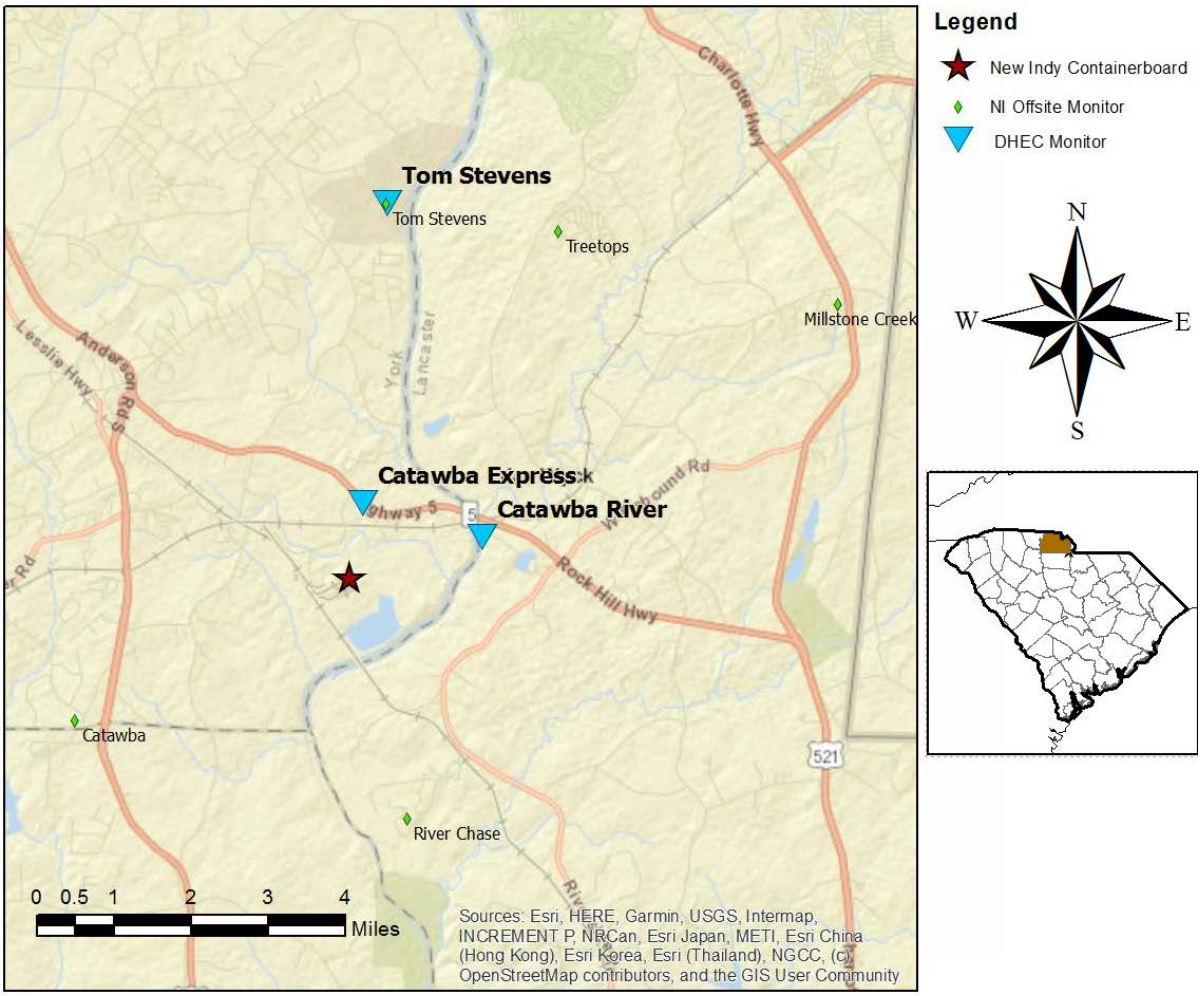
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	110	0 - 7 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.

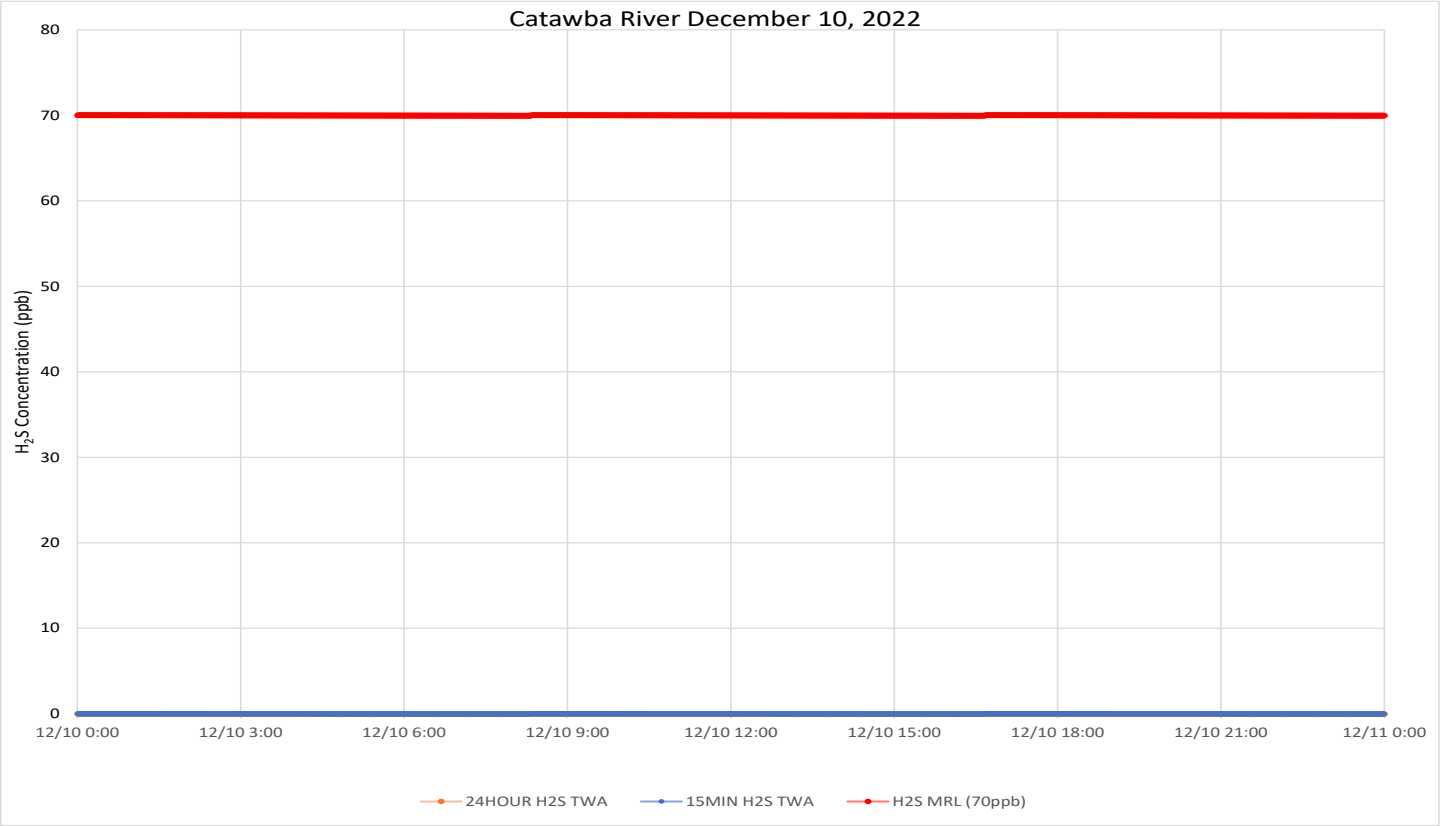
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

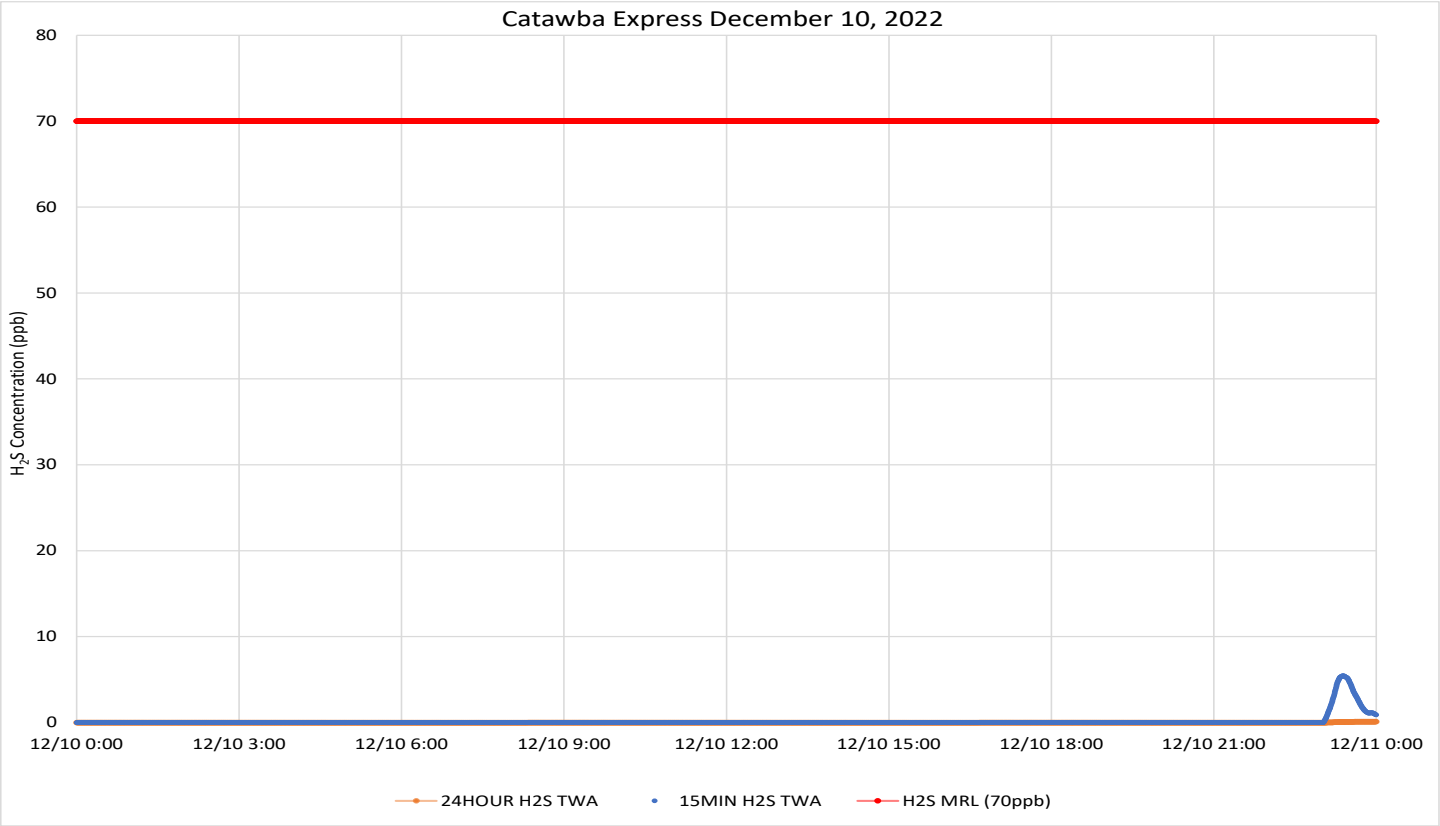


H_2S in South Carolina

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

Winds were light and highly variable or calm approximately half the time. When detected, wind was from the east.





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

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	340	0 - 5 ppb	0.17 ppb	70 ppb

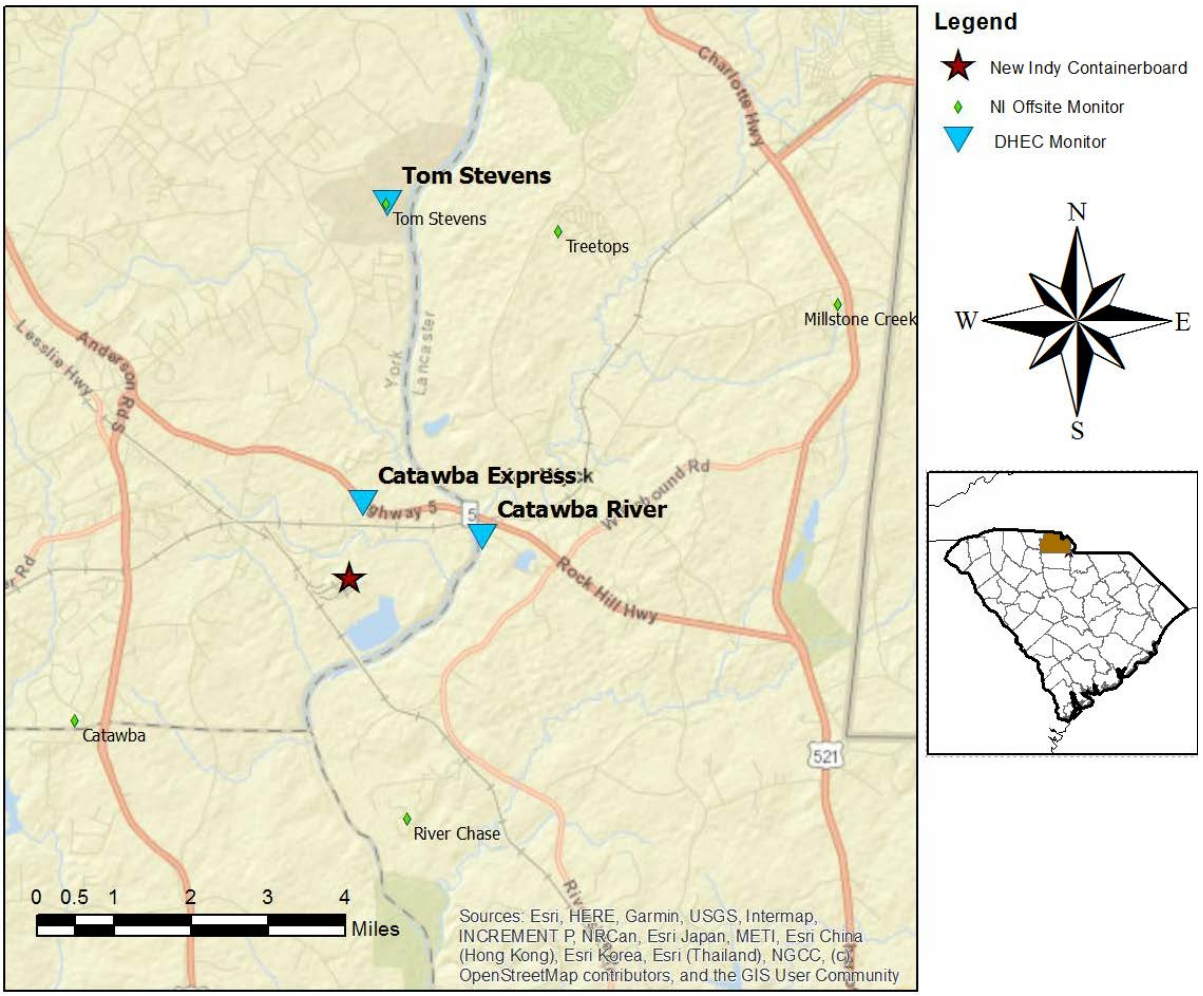
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	66	0 - 3 ppb	0.04 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.

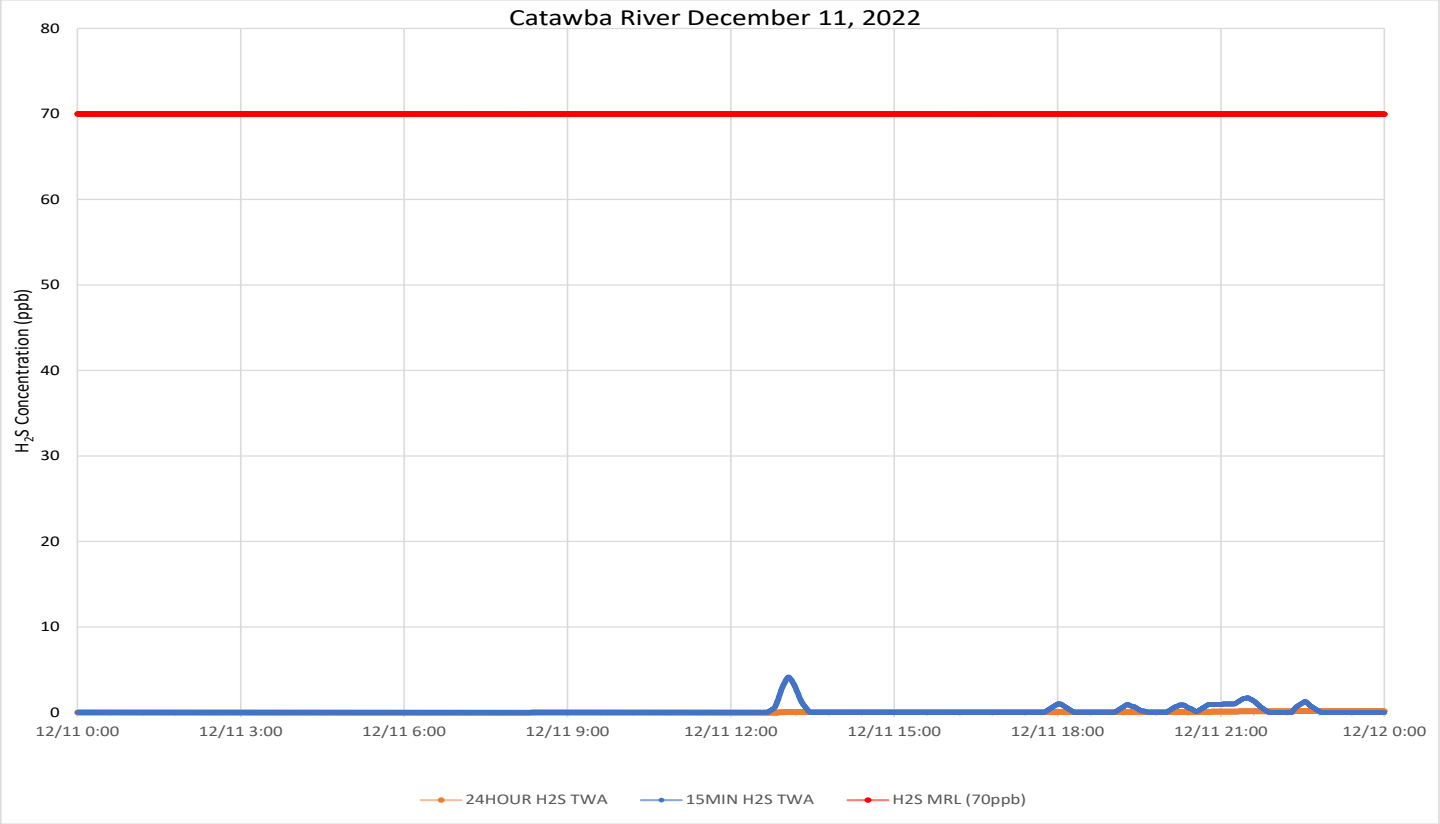
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

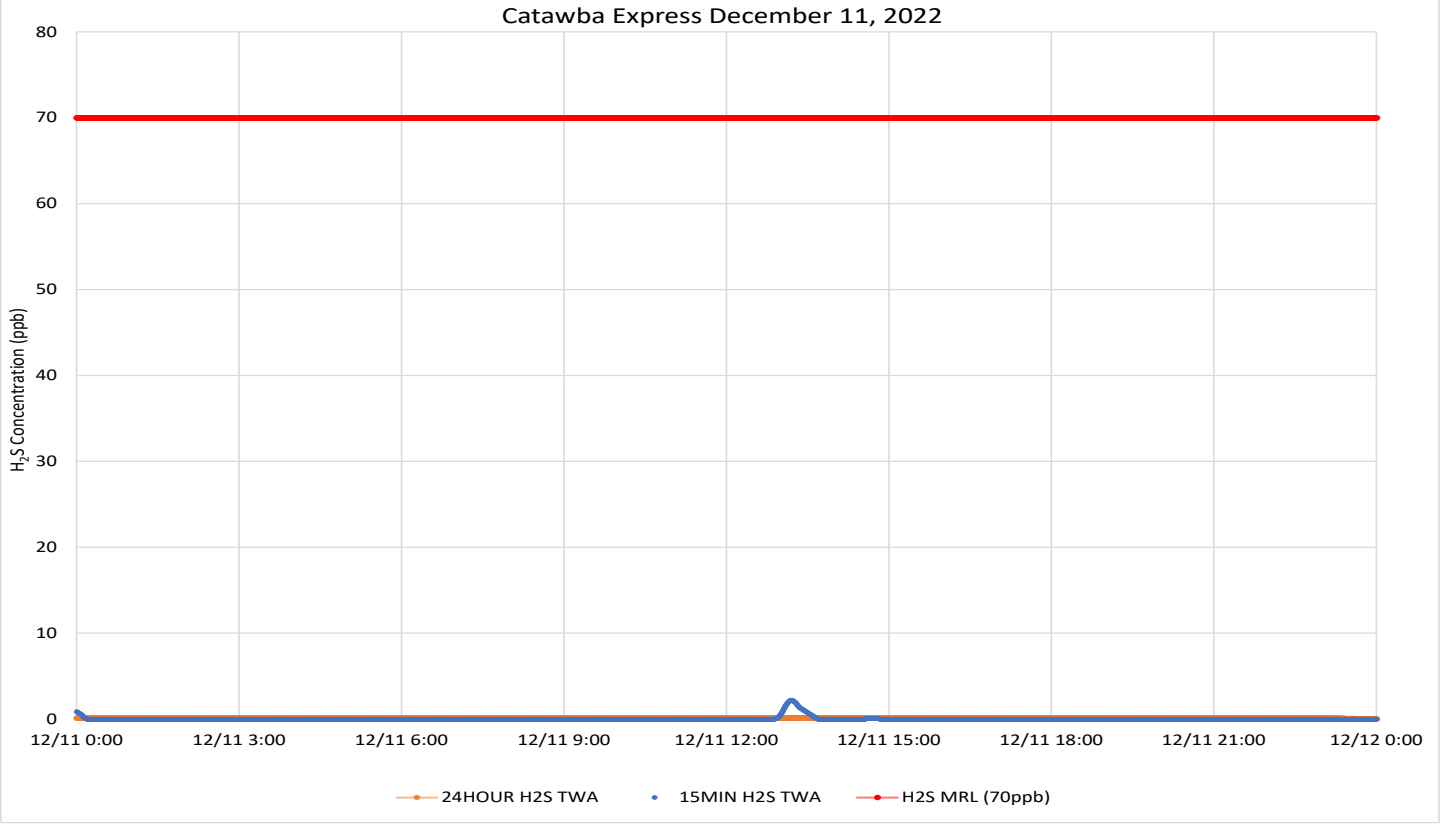


H_2S in South Carolina

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

Winds were calm most of the period (16 of 24 hours). In the early afternoon, wind was generally from the southwest before again becoming calm in the late evening and overnight.





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

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	65	0 - 1 ppb	0.02 ppb	70 ppb

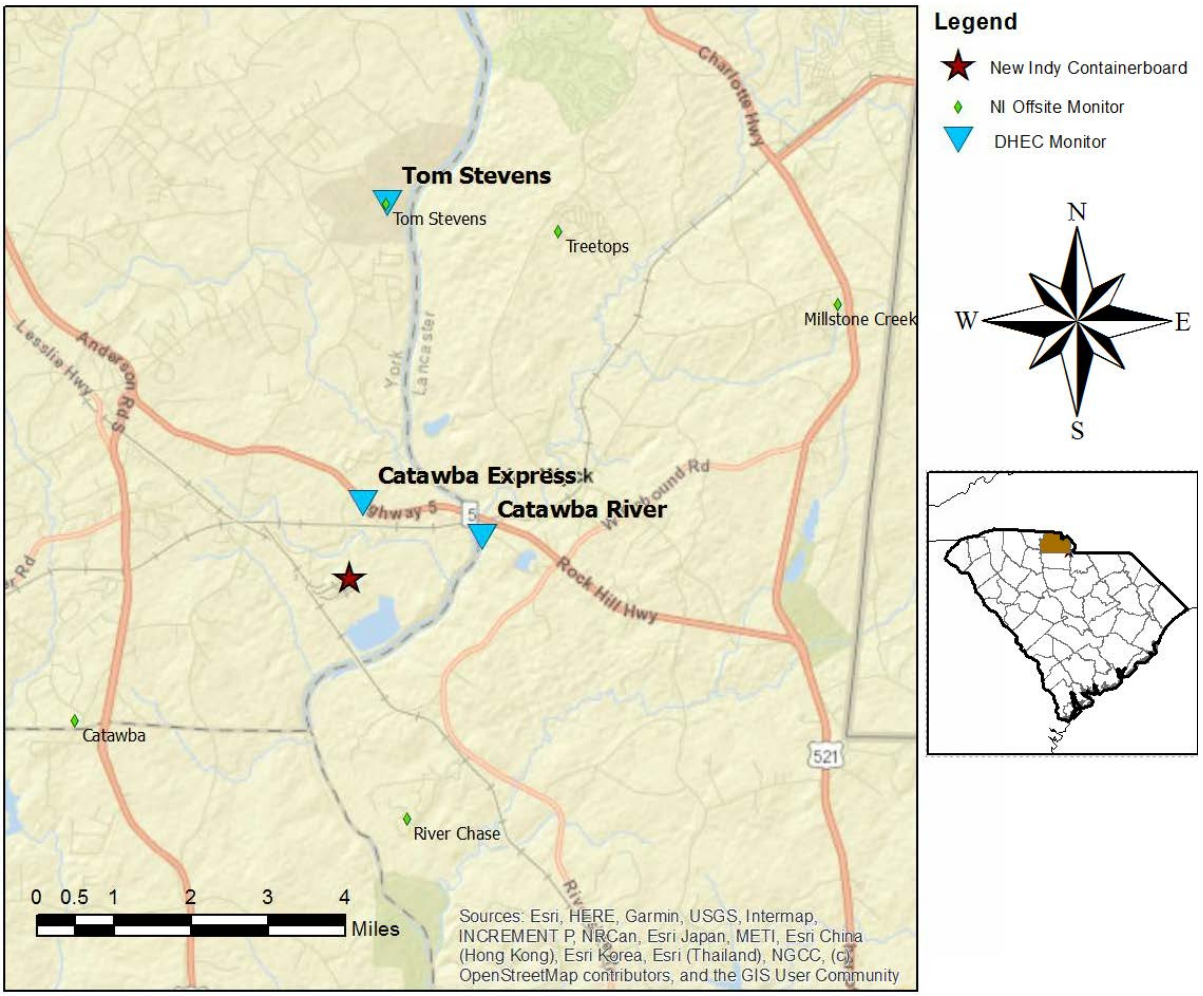
Catawba Express

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

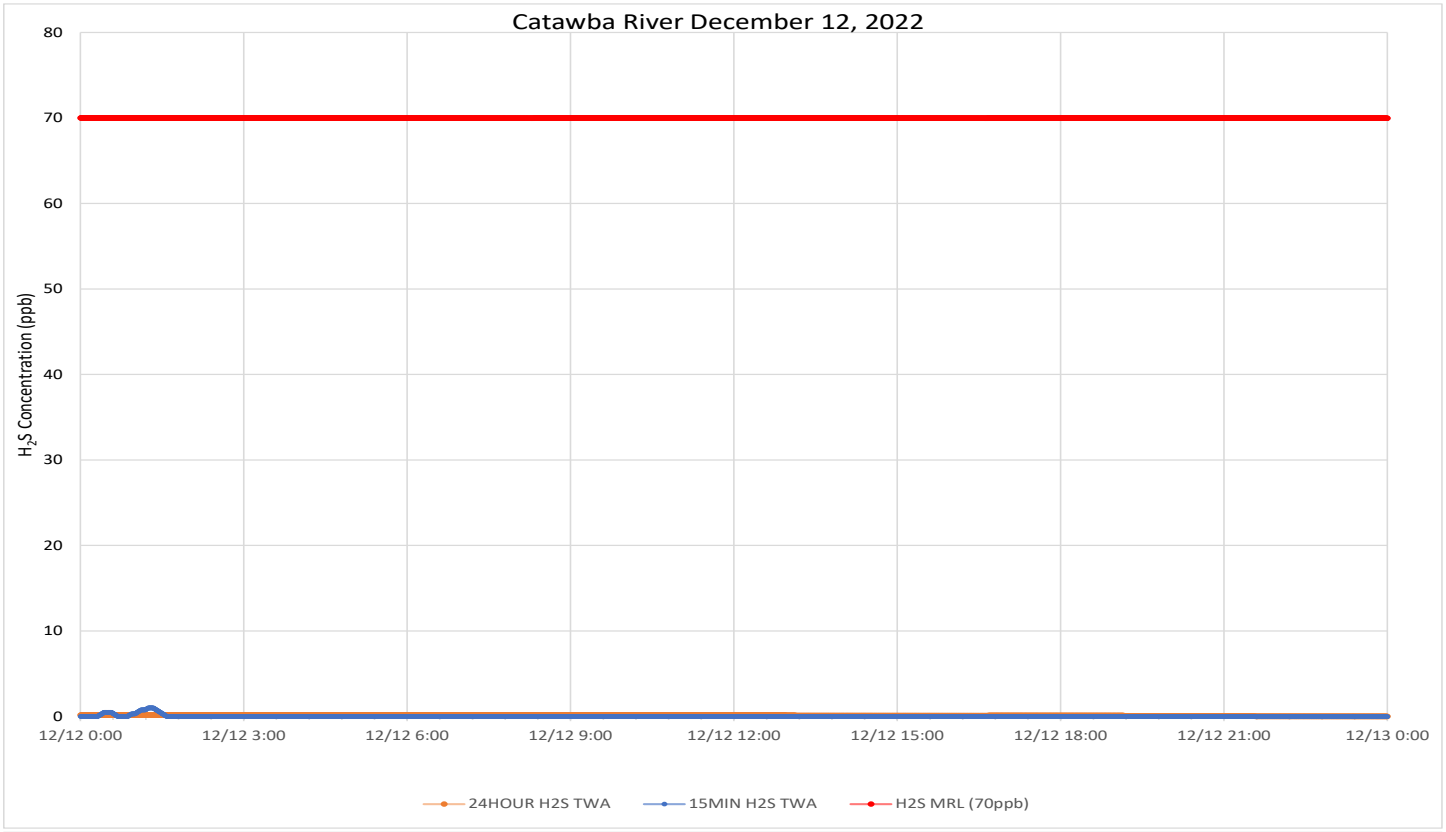
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

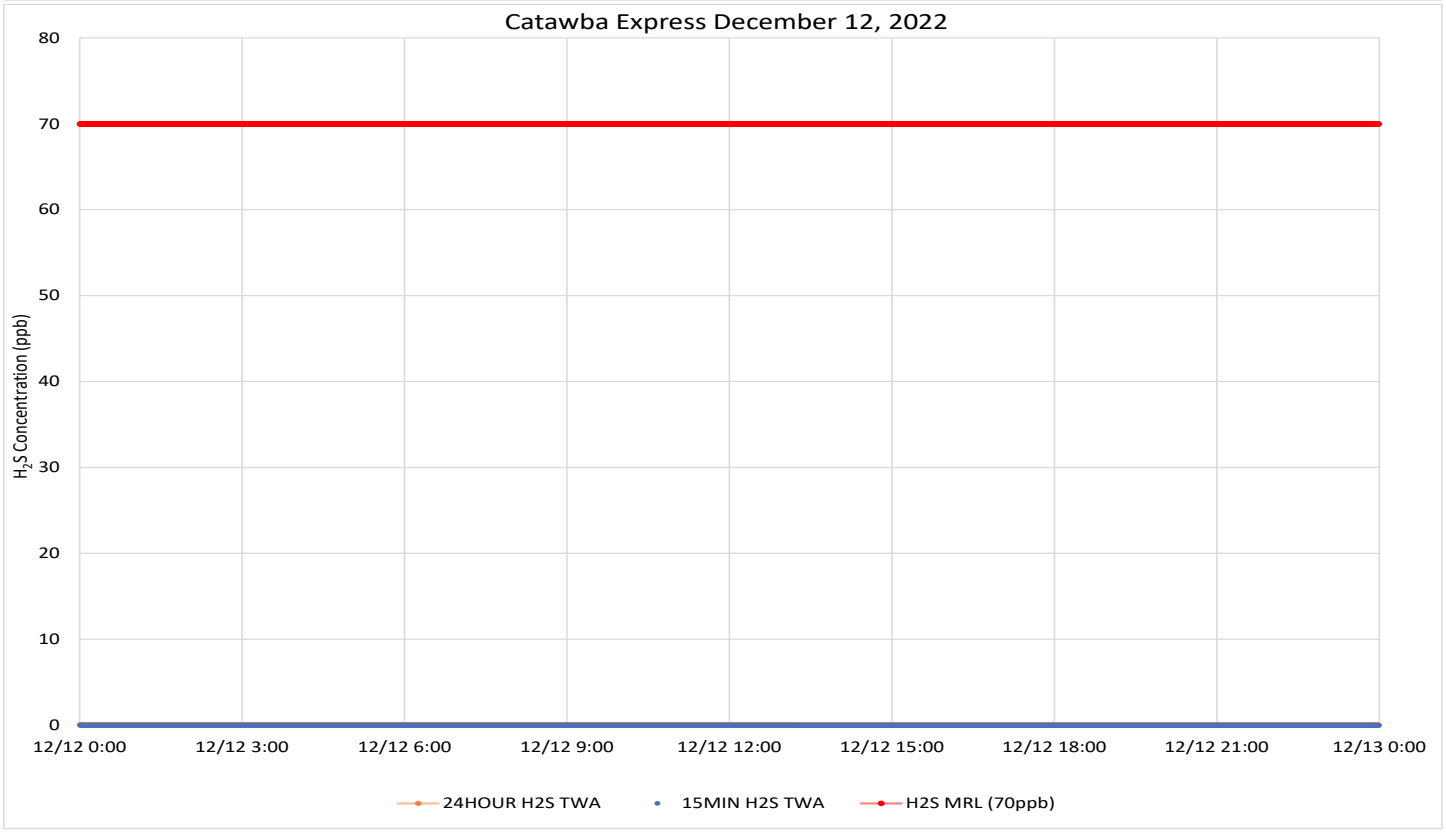


H_2S in South Carolina

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

Winds were calm in the morning before dawn and after sundown. During the day, winds were generally light. When measurable, wind was from the northeast in the morning and shifted to more northerly in the late afternoon.





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

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	12532	0	0 - 0 ppb	0 ppb	70 ppb

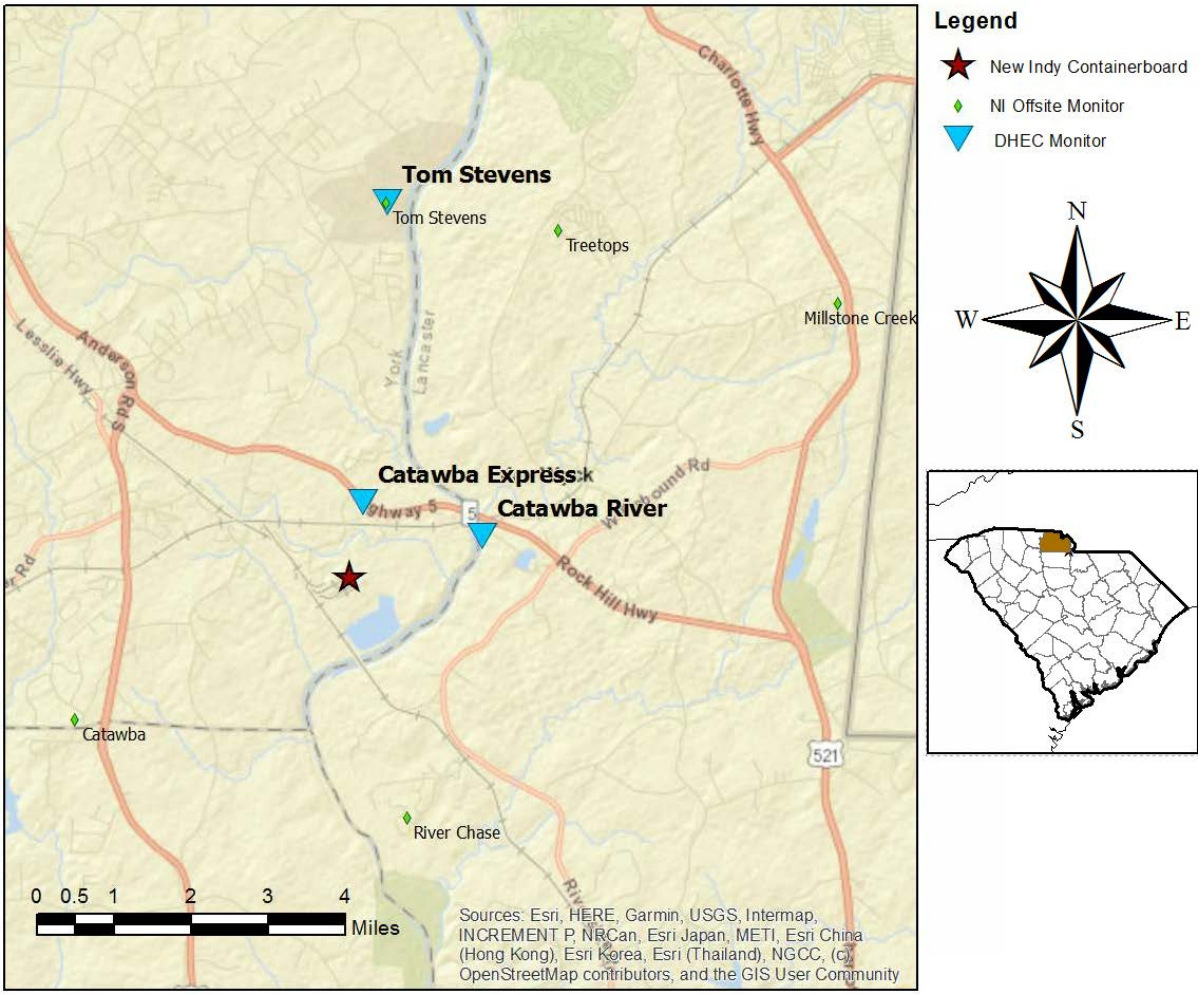
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2877	0	0 - 0 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.

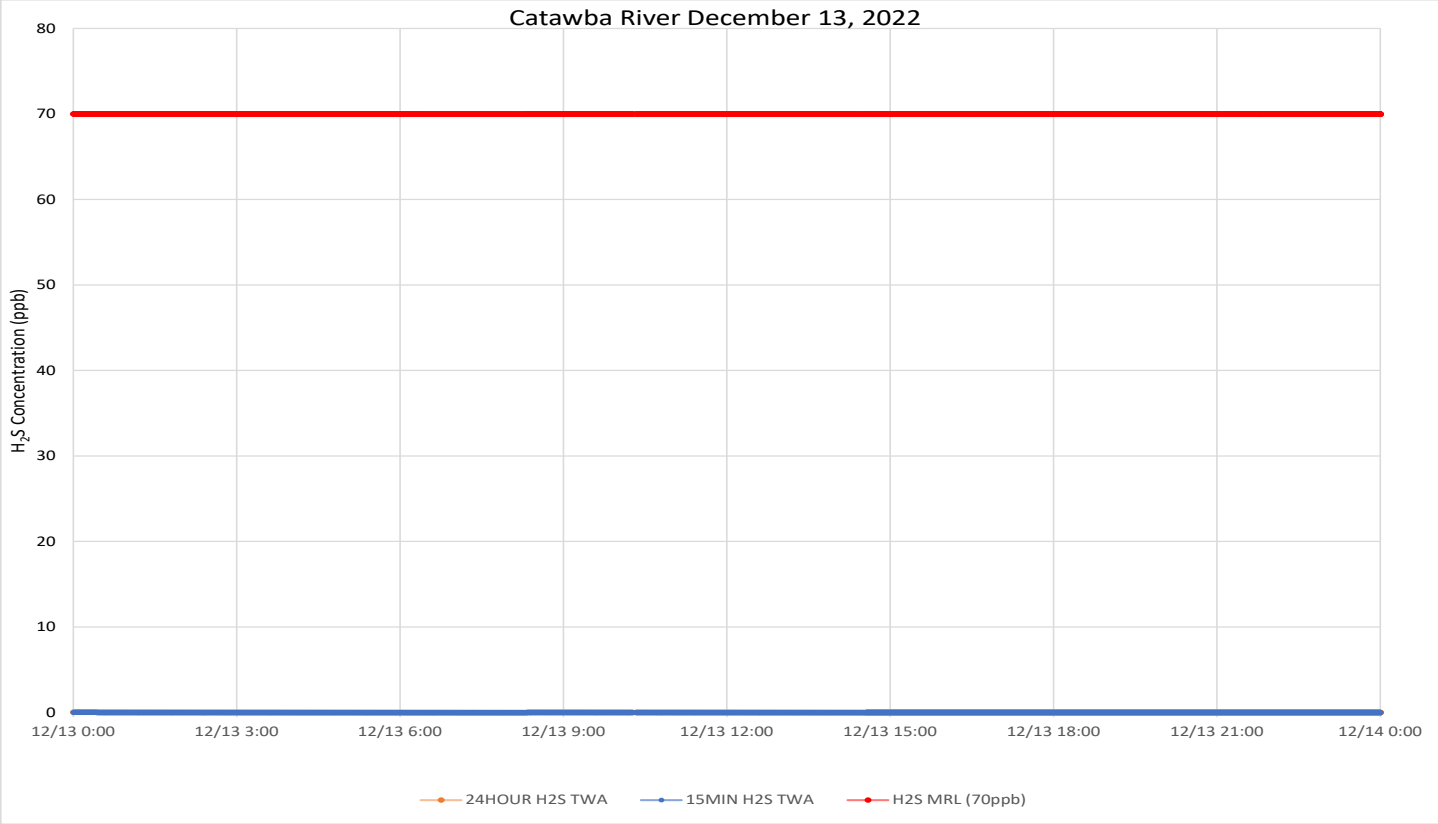
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

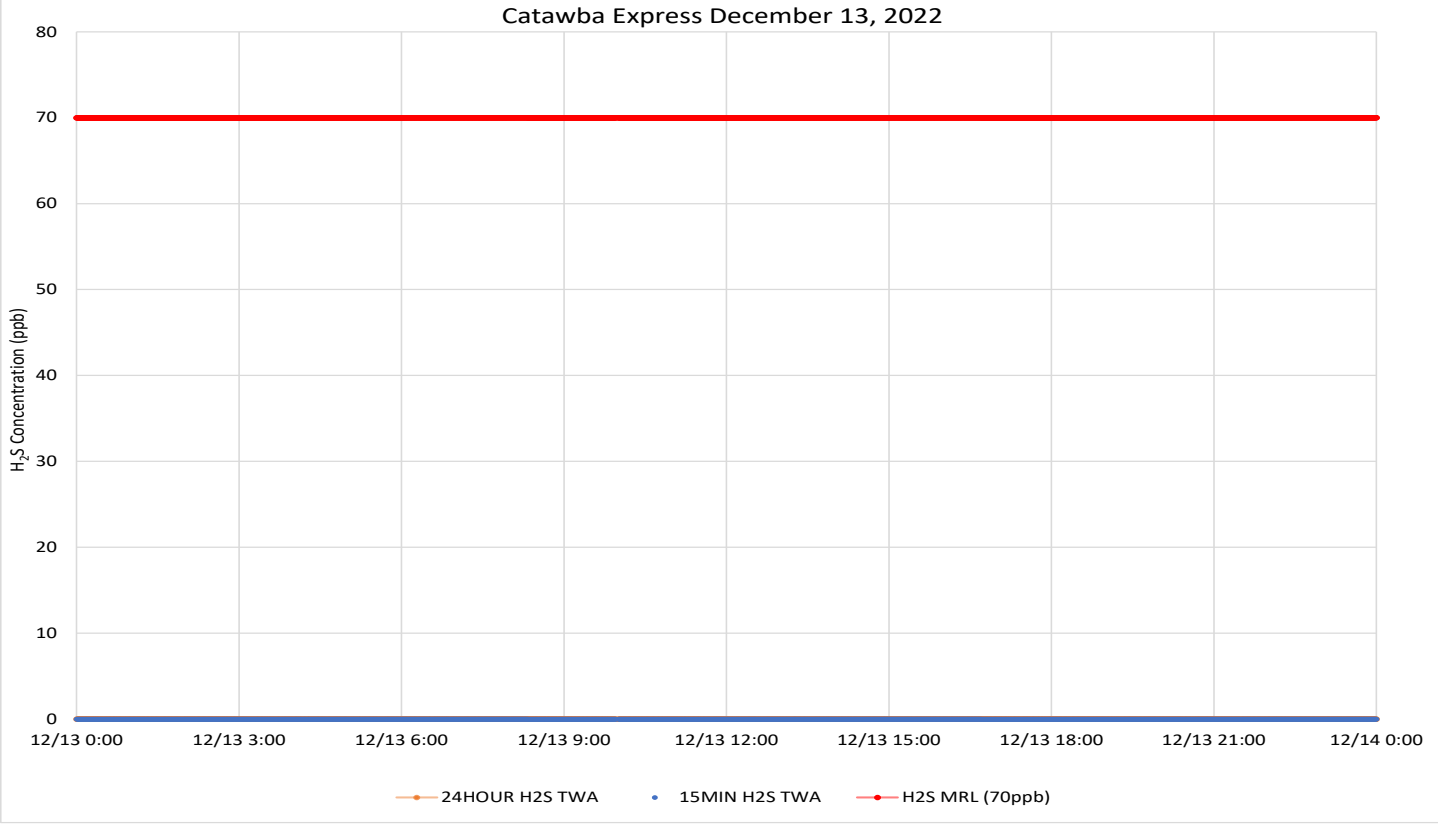


H_2S in South Carolina

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

Winds were light and variable, becoming consistently calm in the evening and overnight. During the day, winds were generally light. When measurable, wind was from the northeast to east.





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

There were short gaps in data collection at the Catawba River (1355-1407) and Catawba Express (1743-1754) for monitor maintenance. The reported summary values are 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: **12/14/22 12:00 AM** ***To:*** **12/14/22 11:59 PM**

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	12554	0	0 - 0 ppb	0 ppb	70 ppb

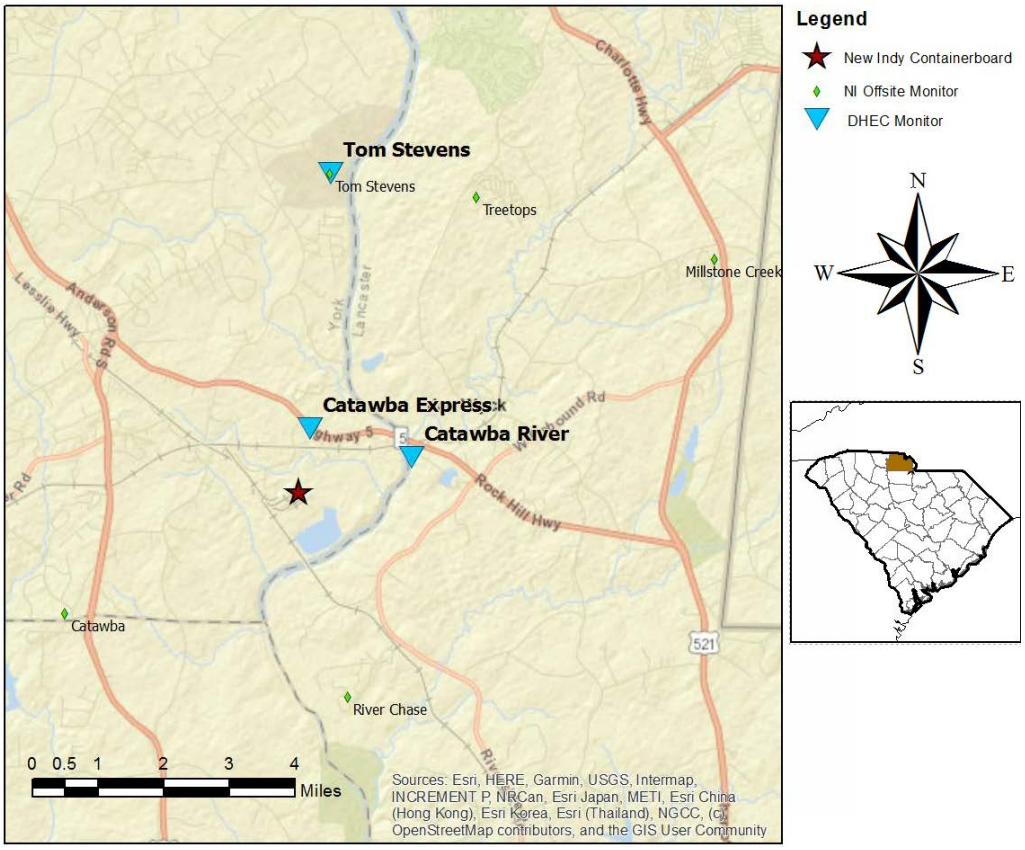
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2857	90	0 - 4 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.

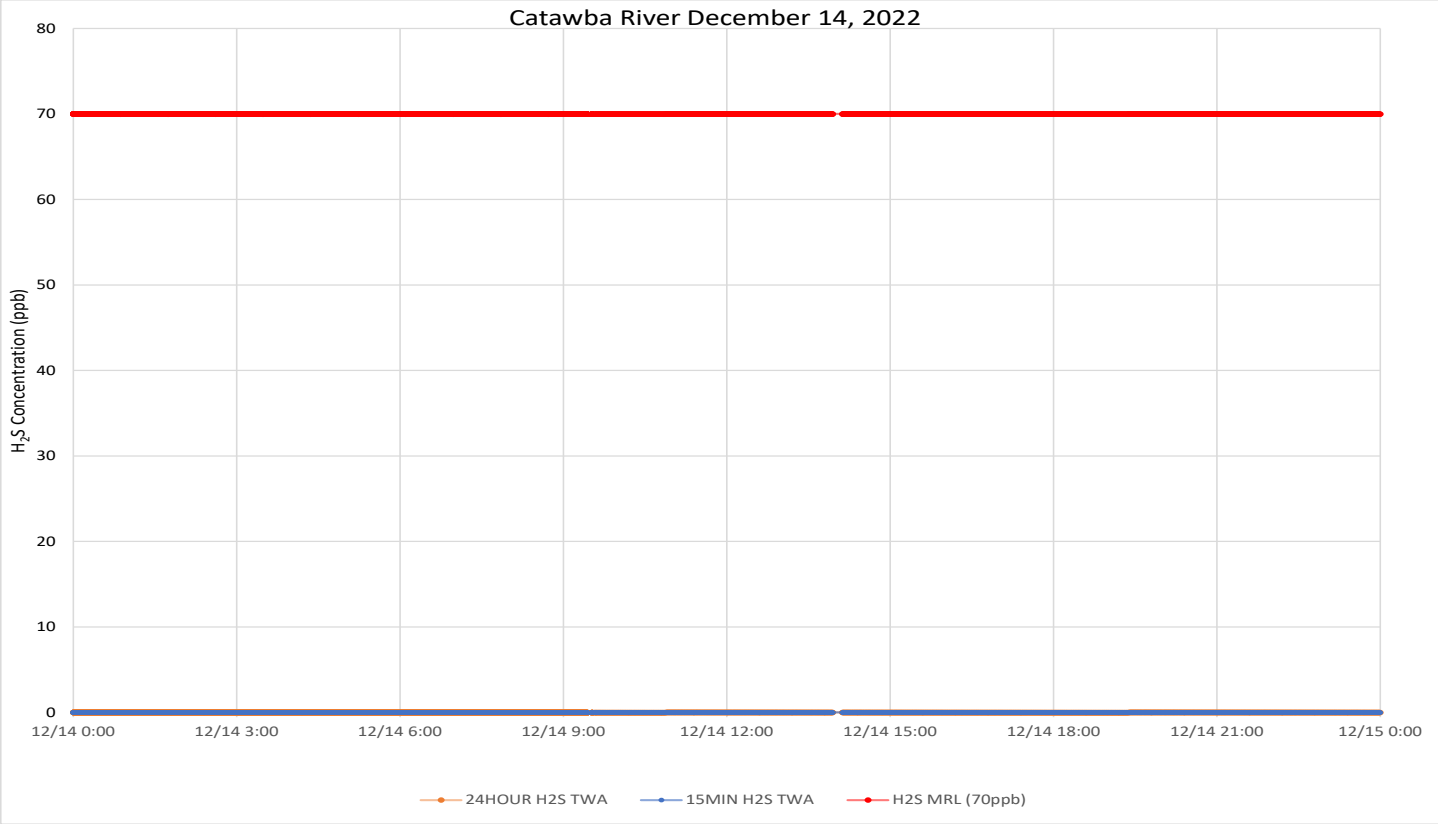
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

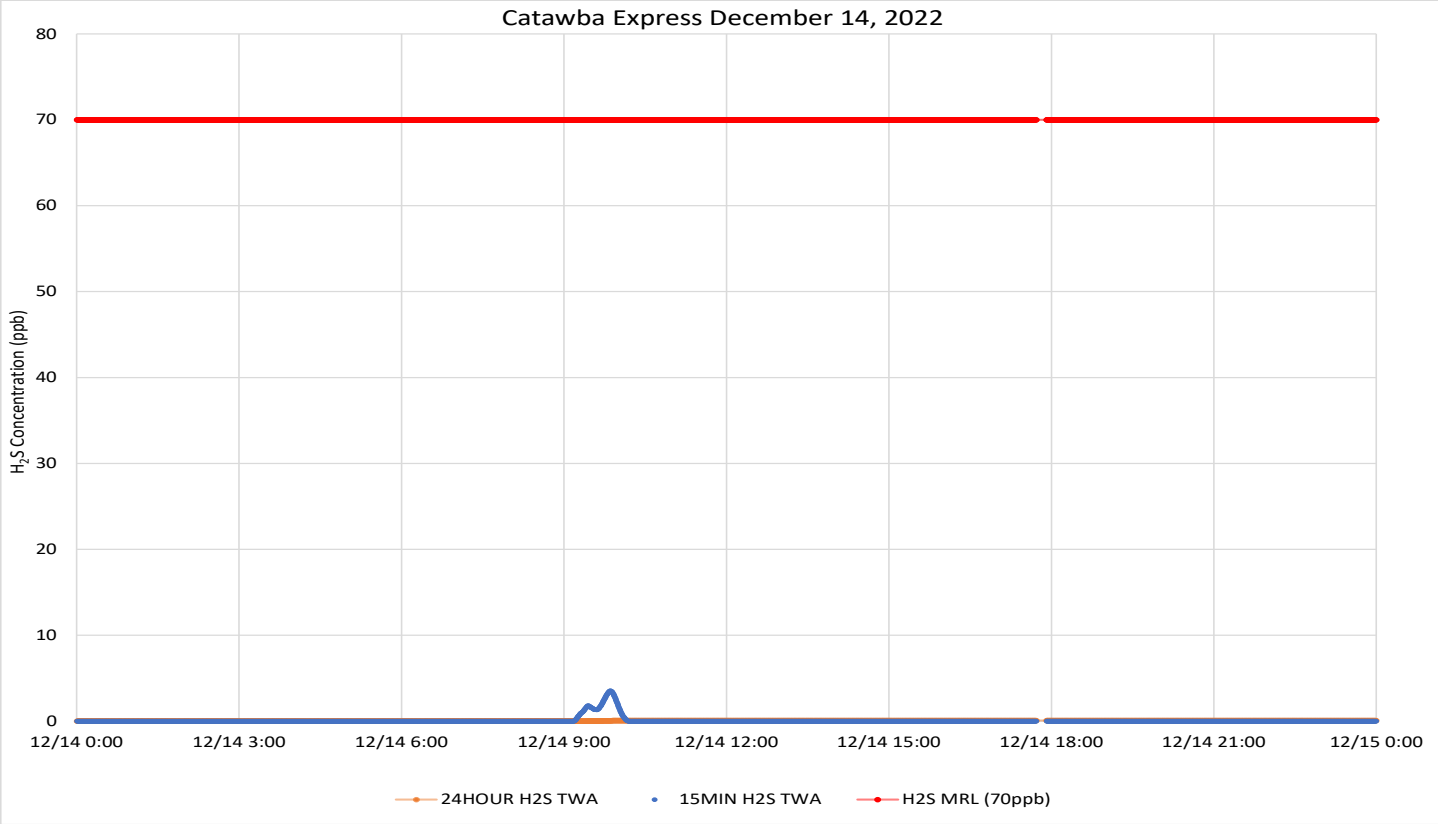


H_2S in South Carolina

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

Winds were light and variable during the period. When detected , winds were generally from the northeast to east southeast.





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: **12/15/22 12:00 AM** ***To:*** **12/15/22 11:59 PM**

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	52	0 - 1 ppb	0.02 ppb	70 ppb

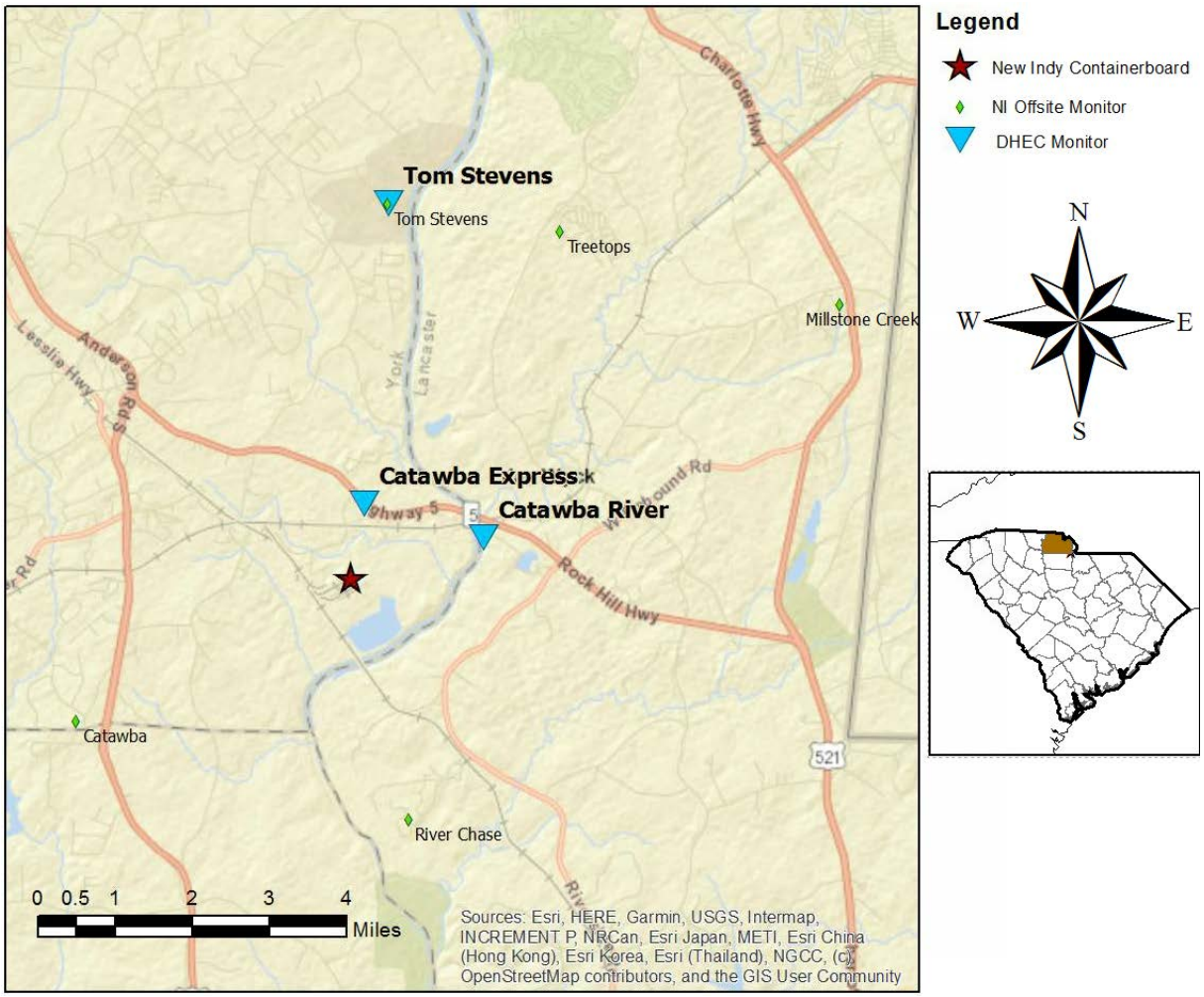
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	4	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.

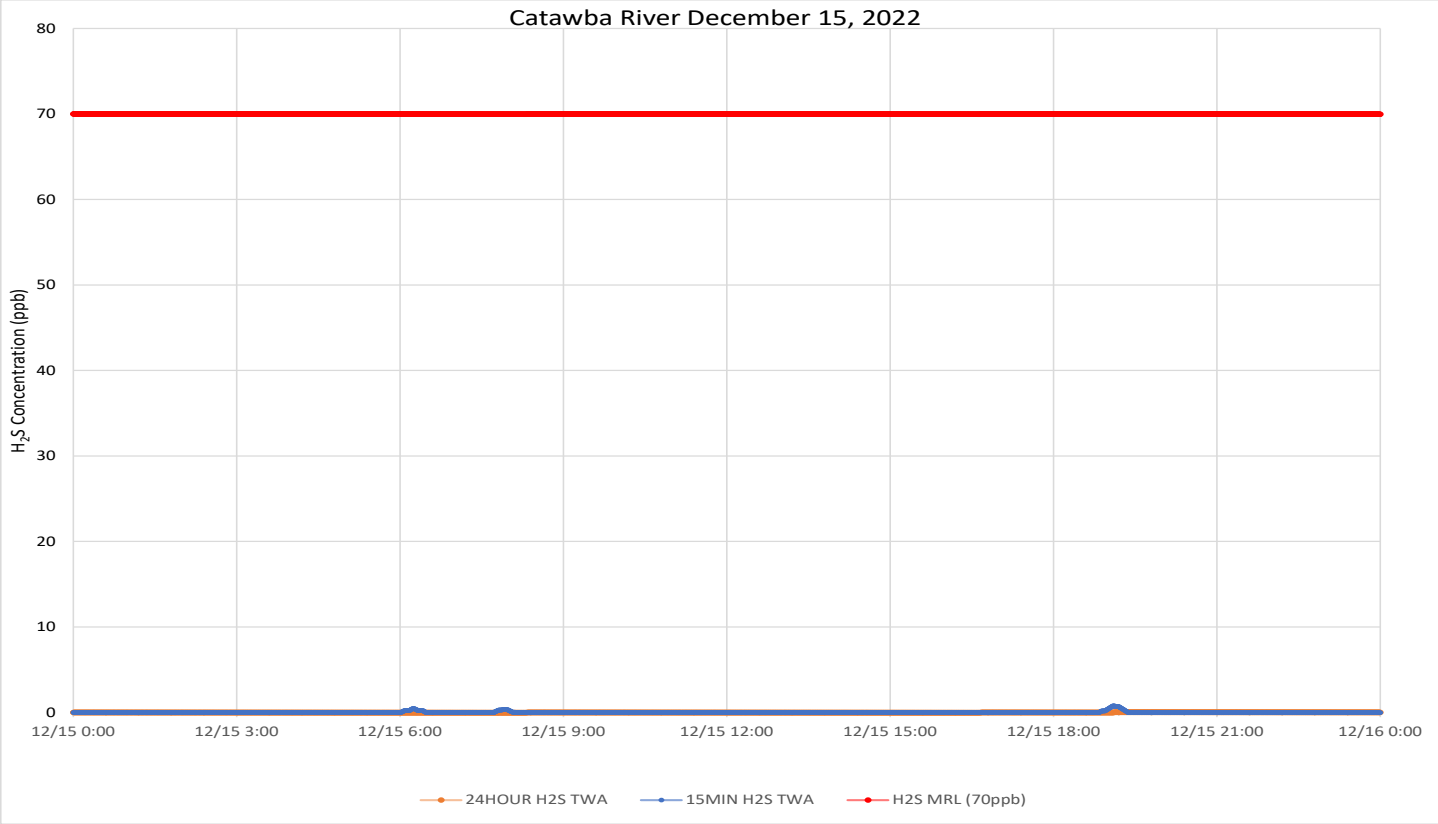
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

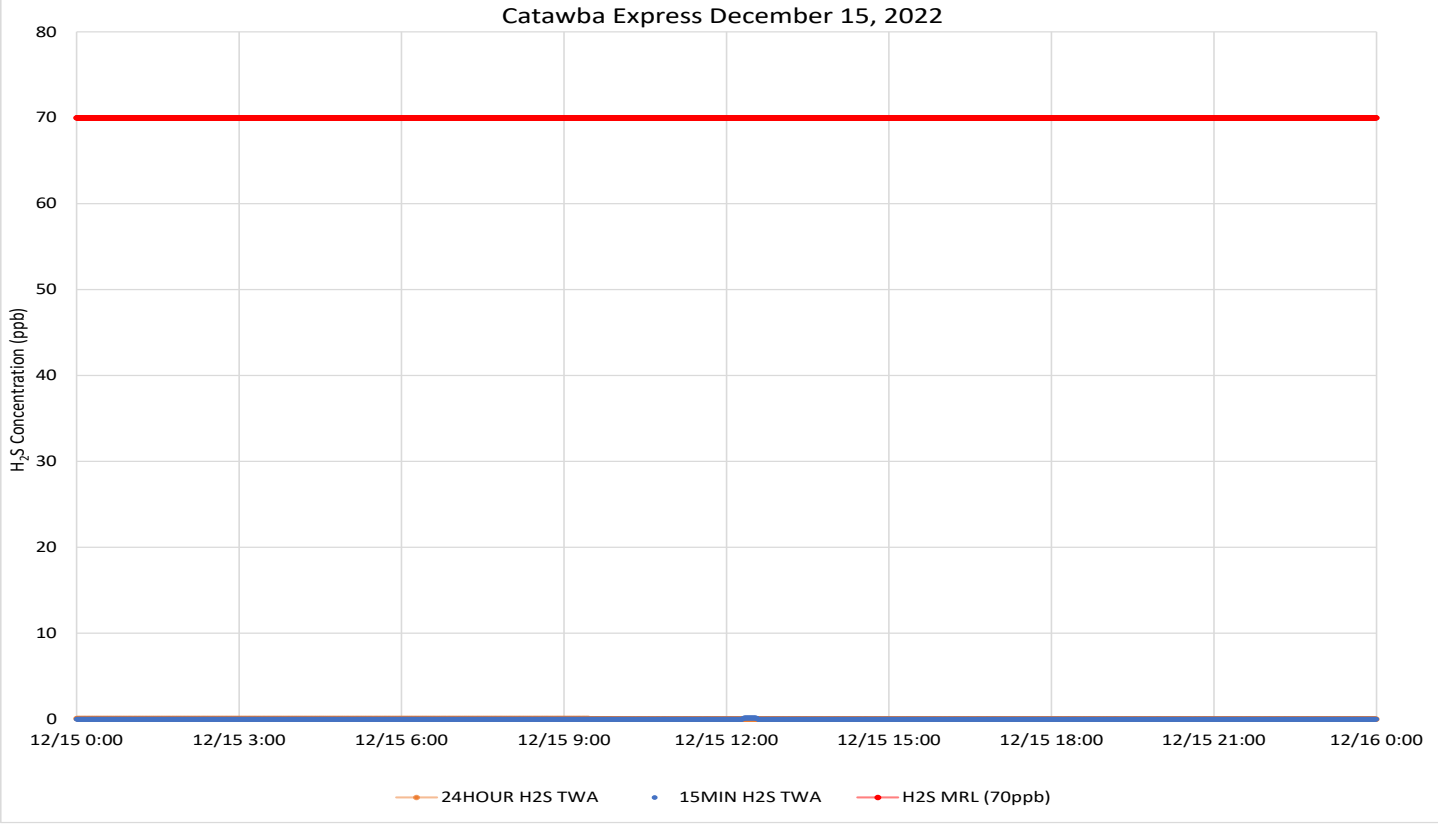


H_2S in South Carolina

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

Winds started the period coming from the east ,through the day shifting to coming from the north northeast, and by sundown, coming from the north. After sundown and through the end of the period, winds were calm.





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: **12/16/22 12:00 AM** ***To:*** **12/16/22 11:59 PM**

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	7508	2705	0 - 8 ppb	0.7 ppb	70 ppb

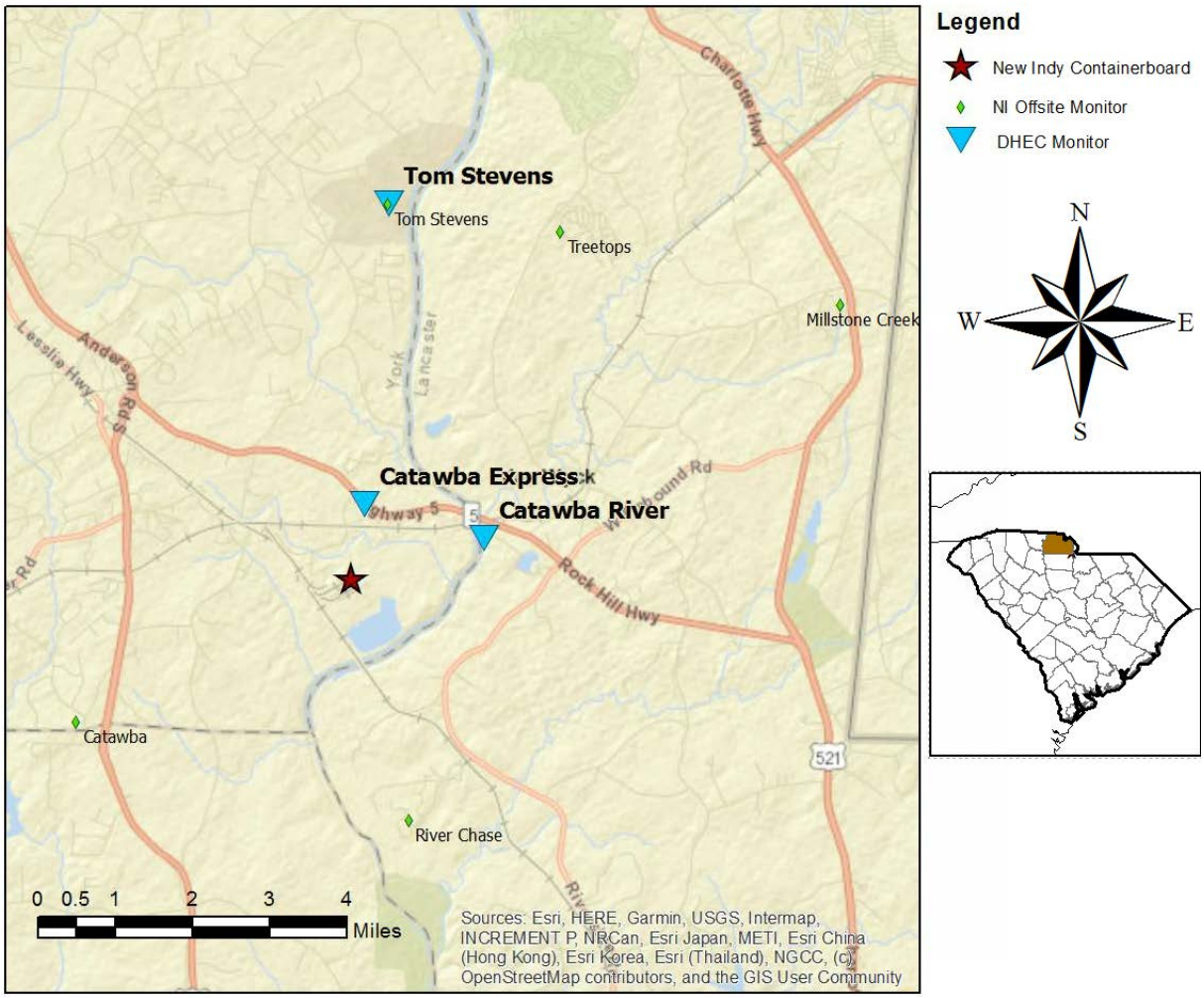
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	33	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.

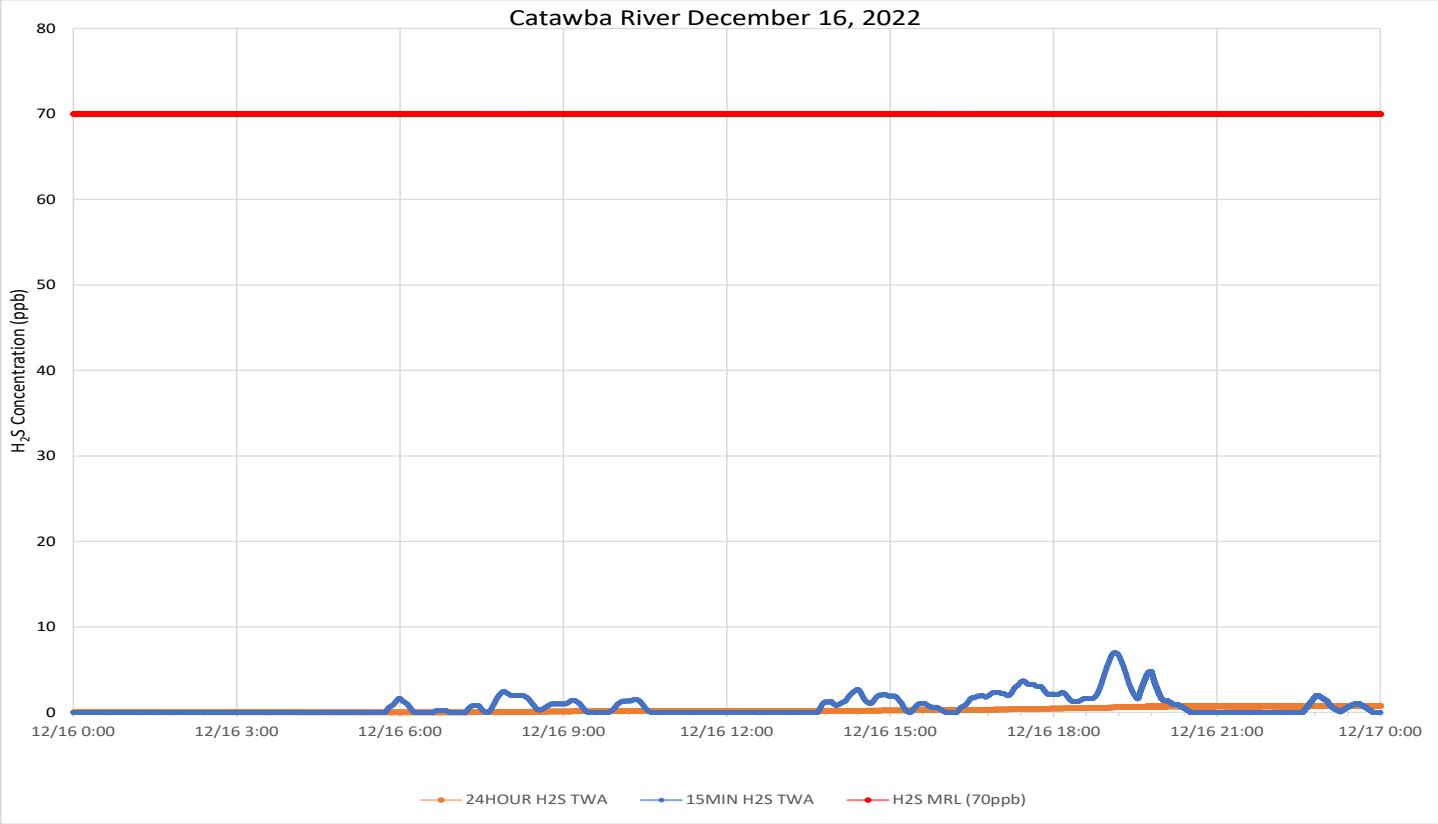
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

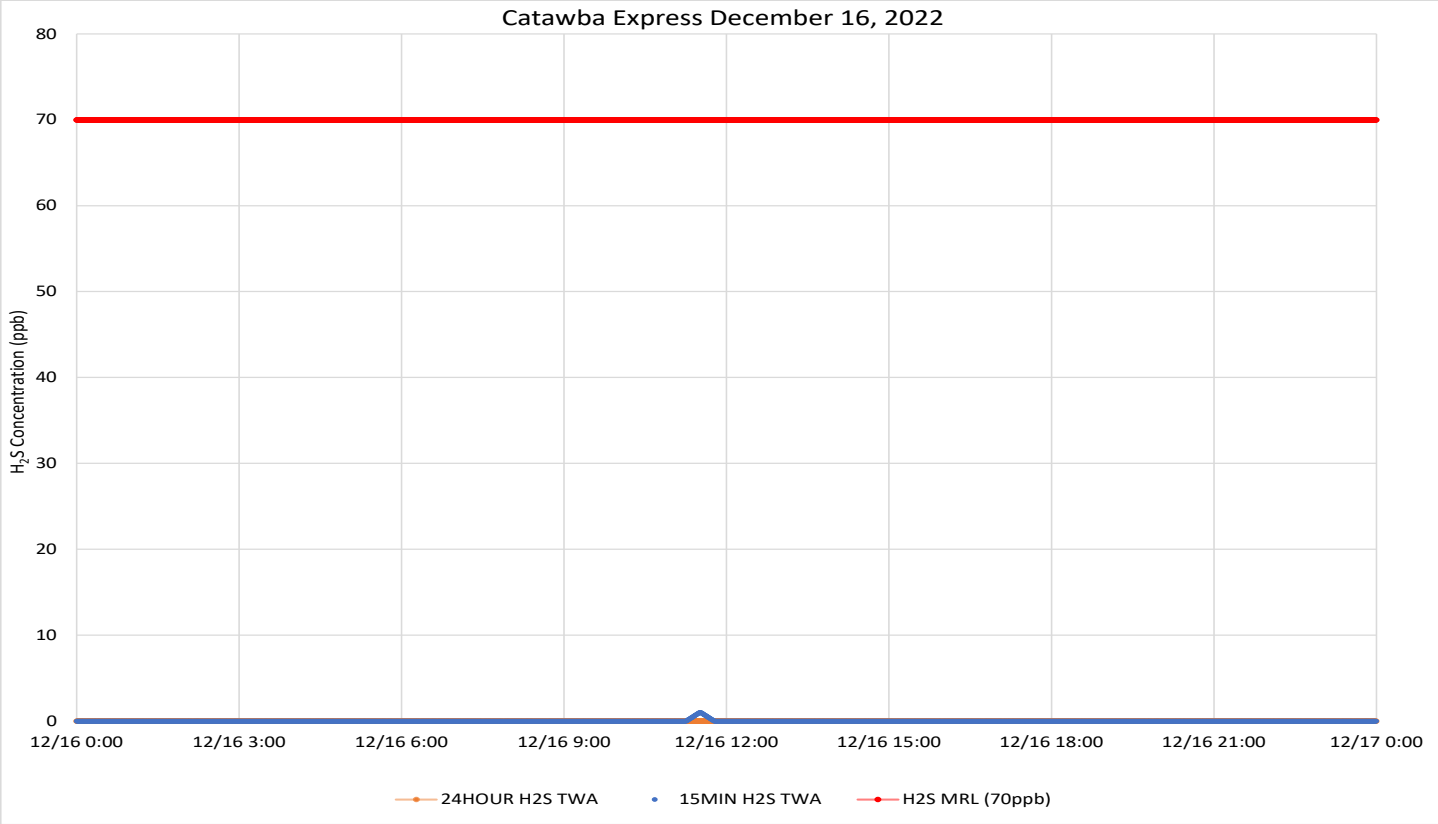


H_2S in South Carolina

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

Winds started the period calm to light coming from the north. By sunrise , wind was coming from the west, shifting to coming from southwest by midday and for the remainder of 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: **12/17/22 12:00 AM** ***To:*** **12/17/22 11:59 PM**

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27669	9241	0 - 3 ppb	0.45 ppb	70 ppb

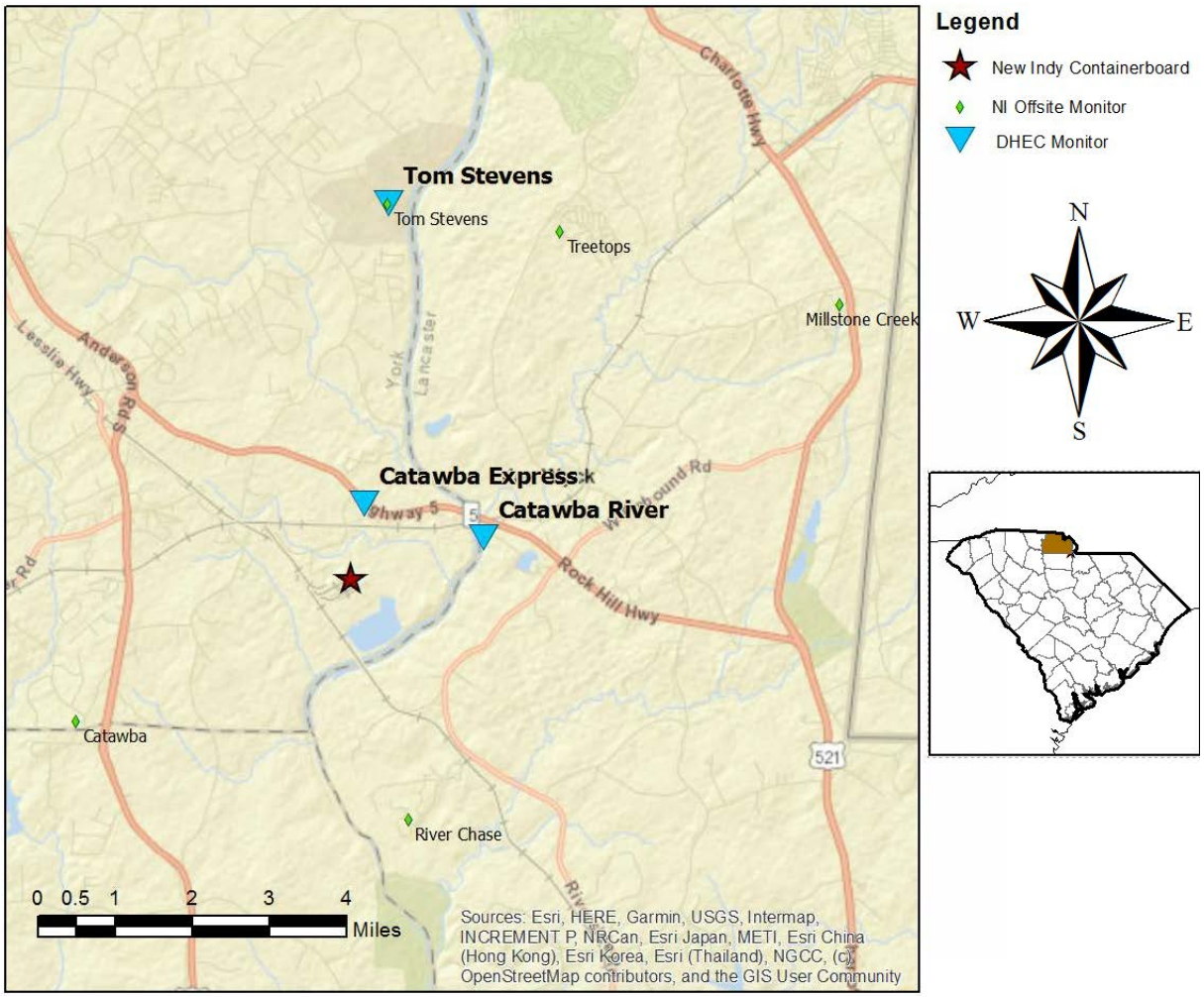
Catawba Express

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

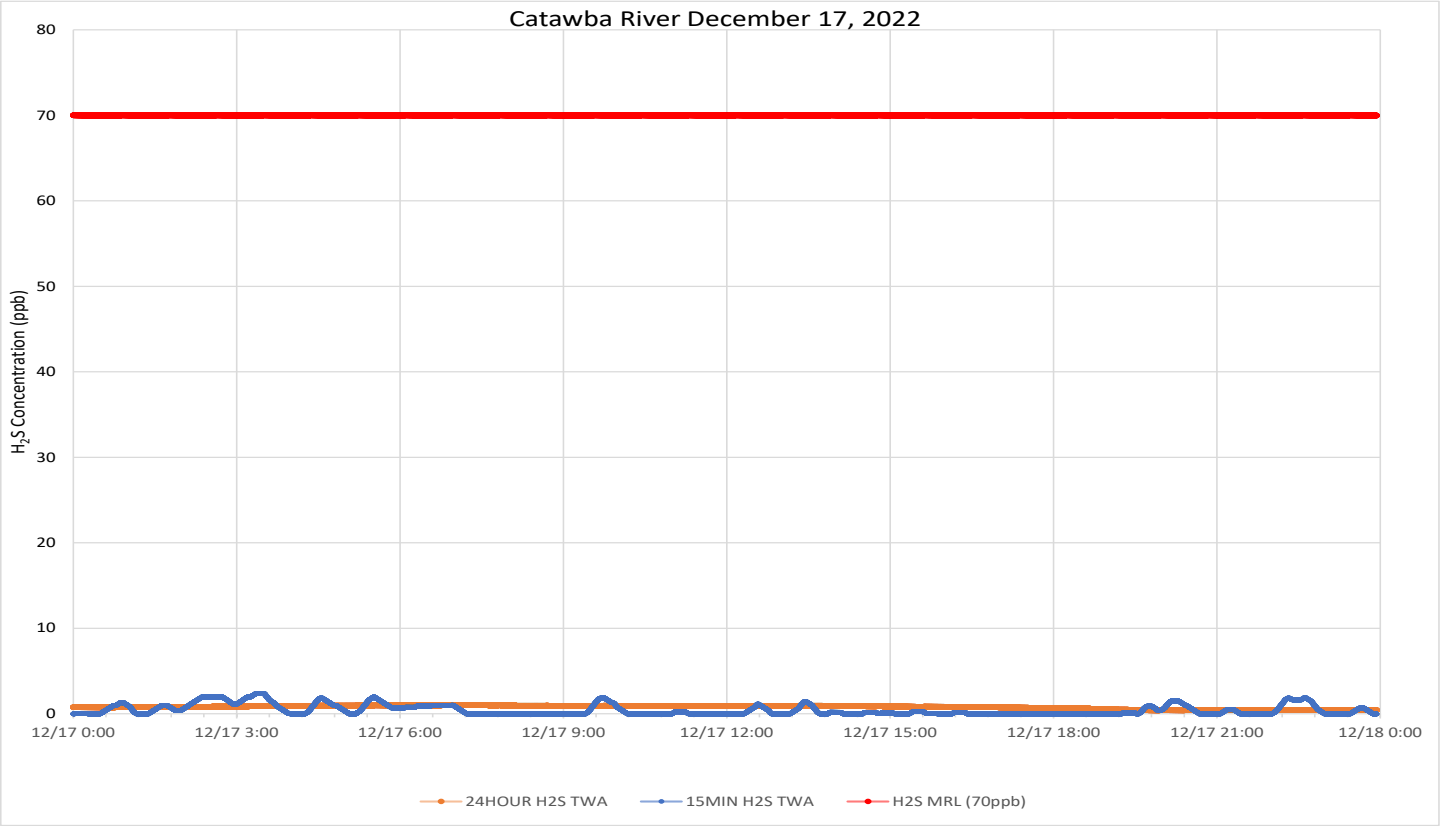
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

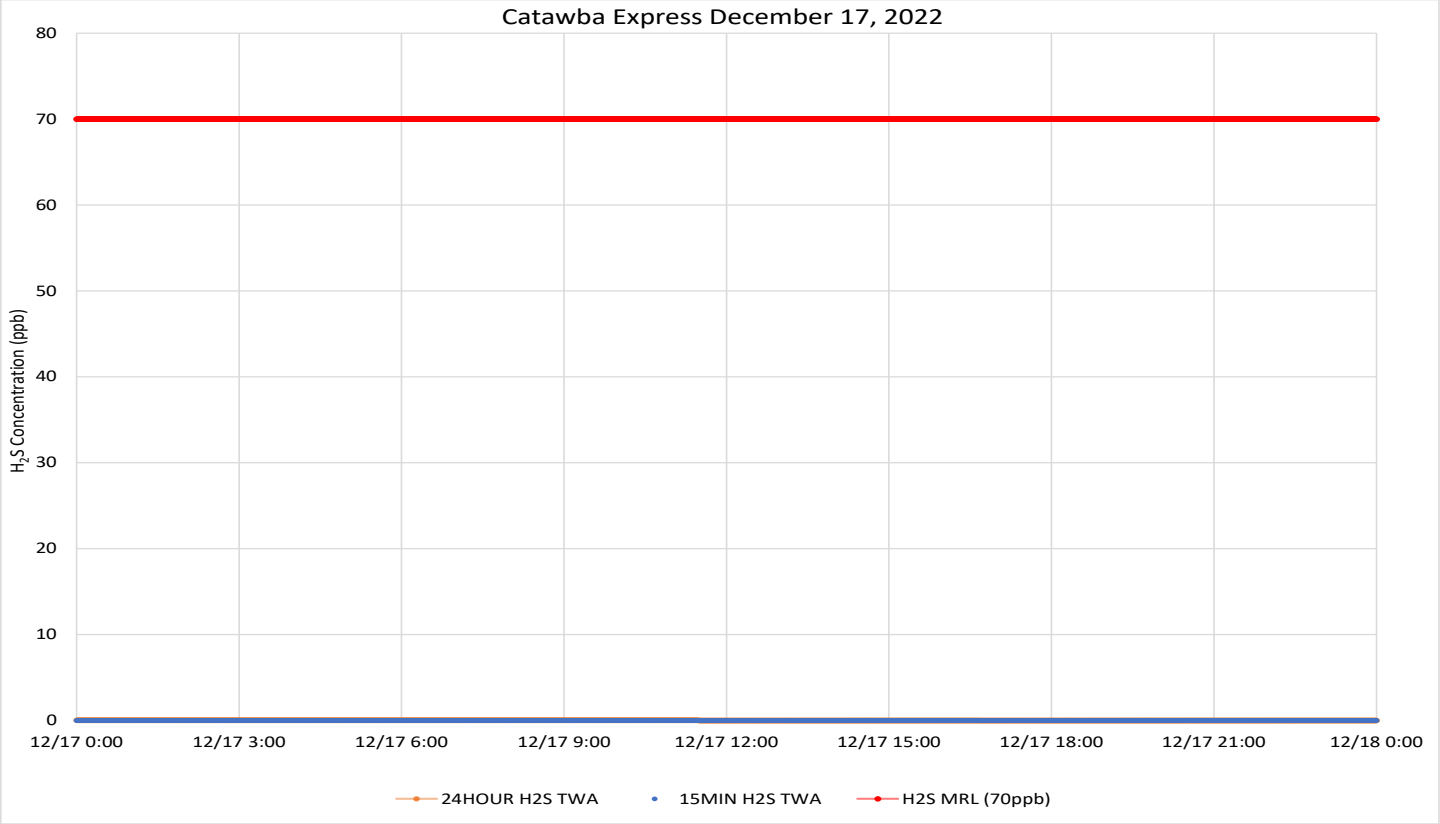


H_2S in South Carolina

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

Winds came from the southwest to west 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: **12/18/22 12:00 AM** ***To:*** **12/18/22 11:59 PM**

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27671	3081	0 - 3 ppb	0.15 ppb	70 ppb

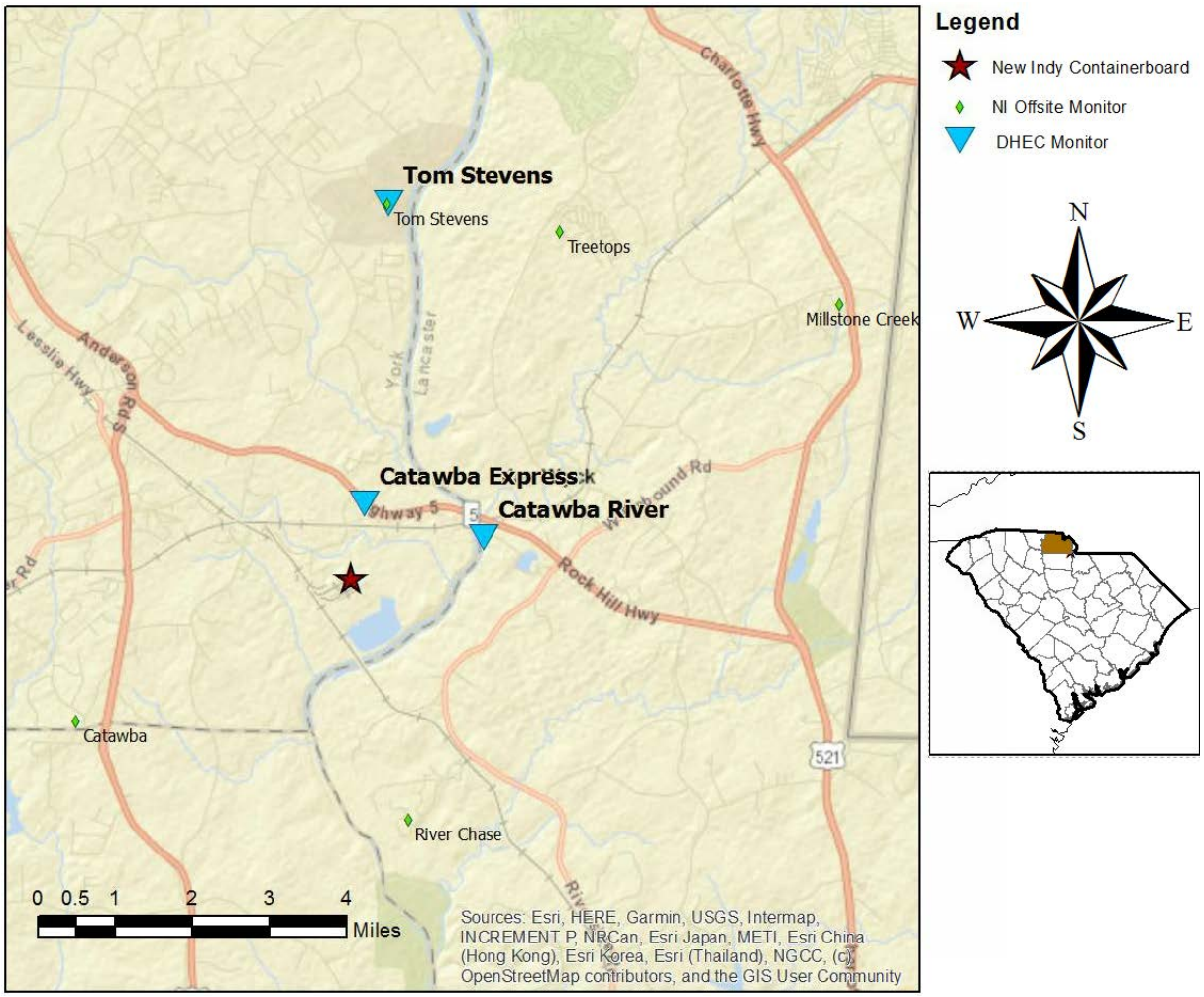
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	38	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.

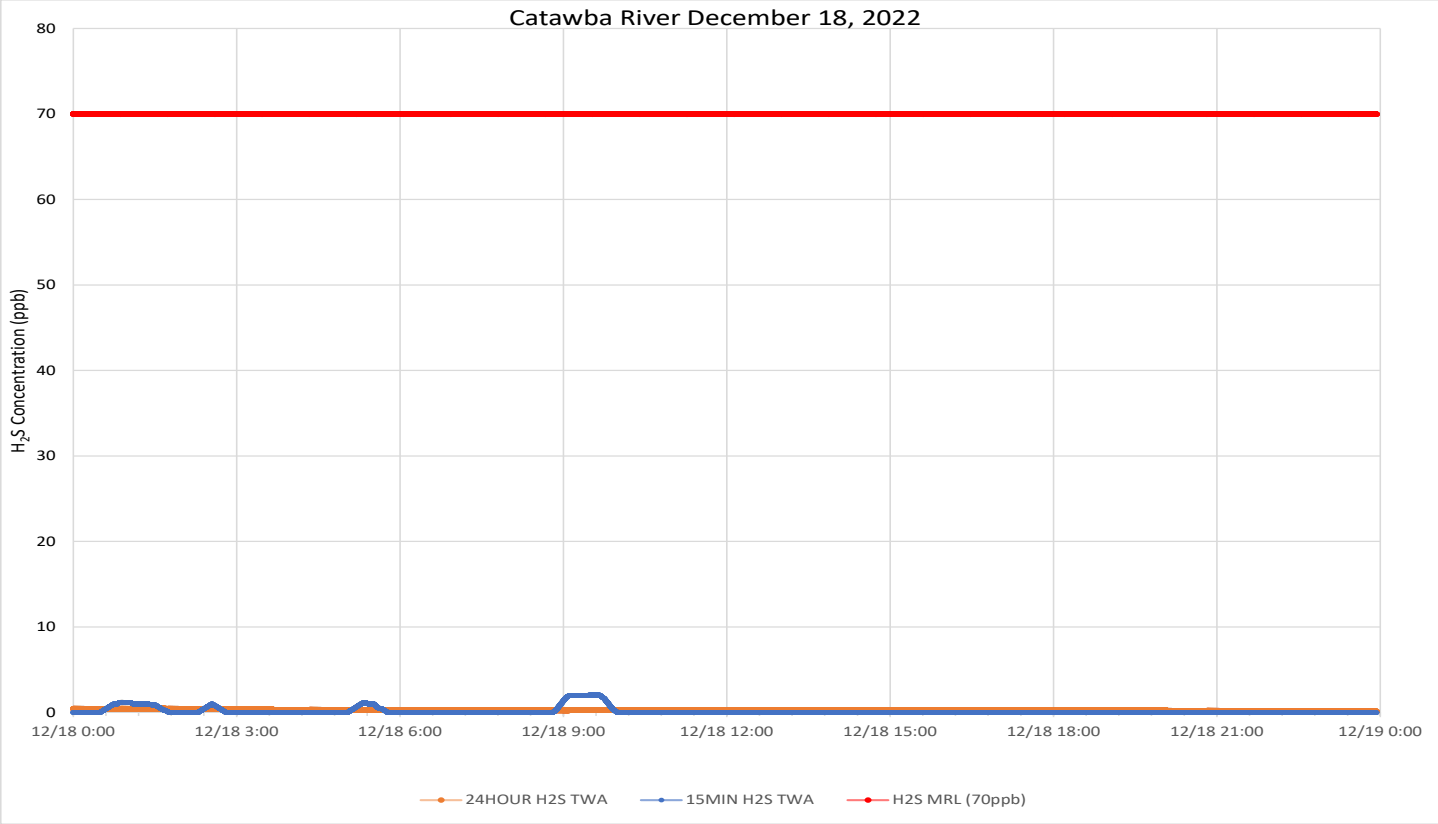
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

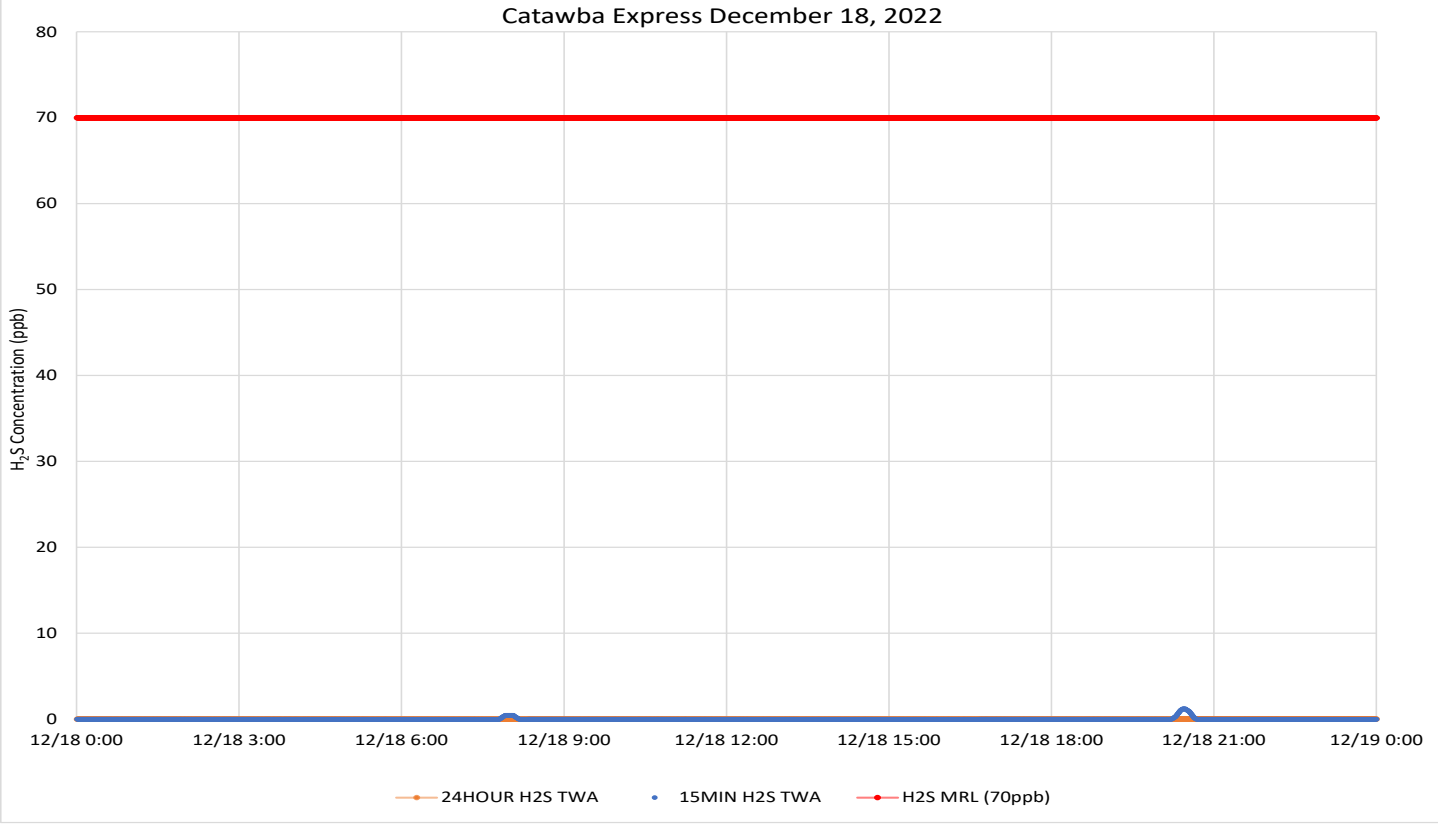


H_2S in South Carolina

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

Winds were light with periods of calm interspersed. Wind was generally from the west southwest to west northwest until very late in the evening, when there was a shift to coming from the 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: **12/19/22 12:00 AM** ***To:*** **12/19/22 11:59 PM**

Catawba River

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	14971	720	0 - 2 ppb	0.06 ppb	70 ppb

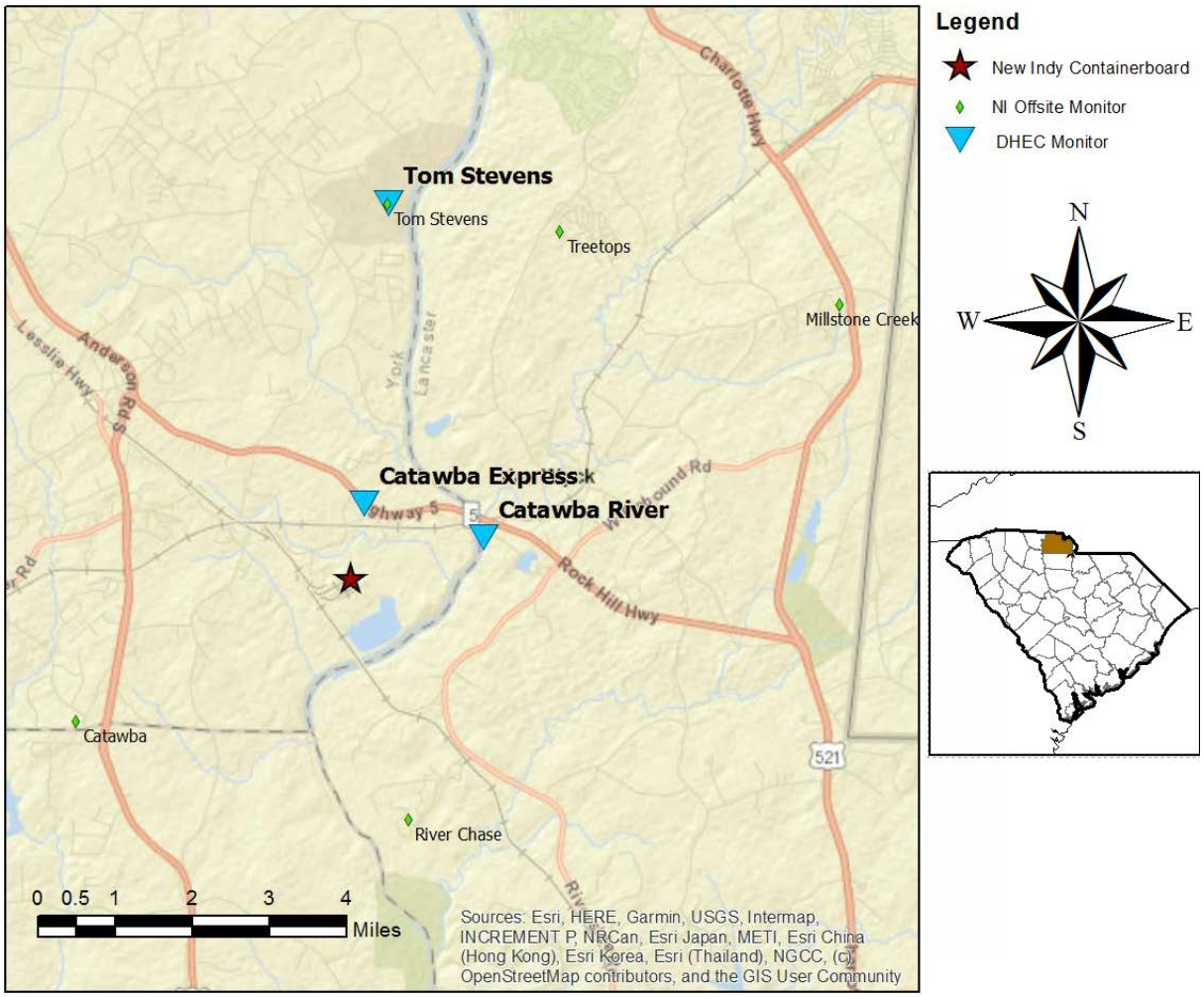
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	119	0 - 4 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.

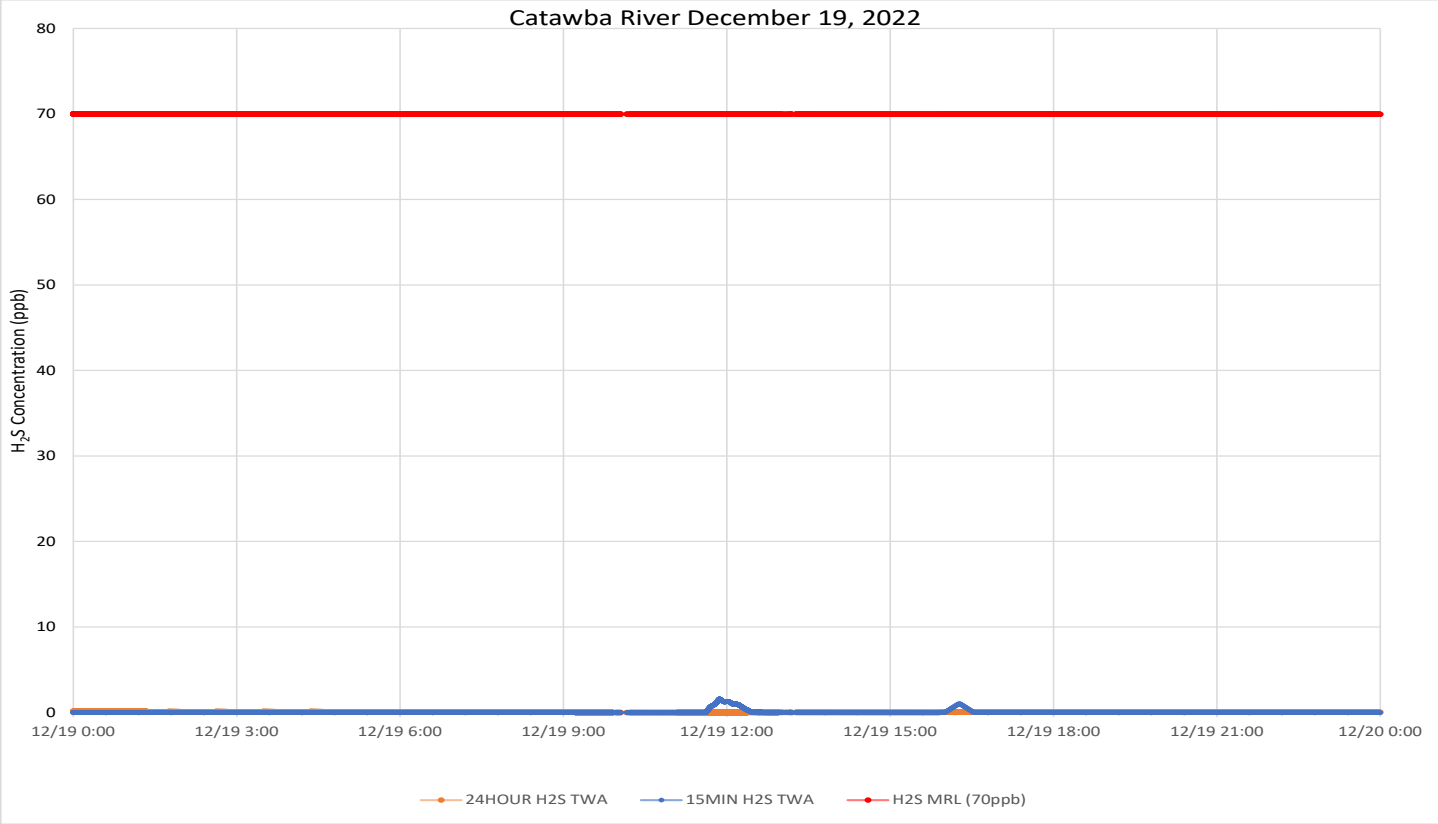
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

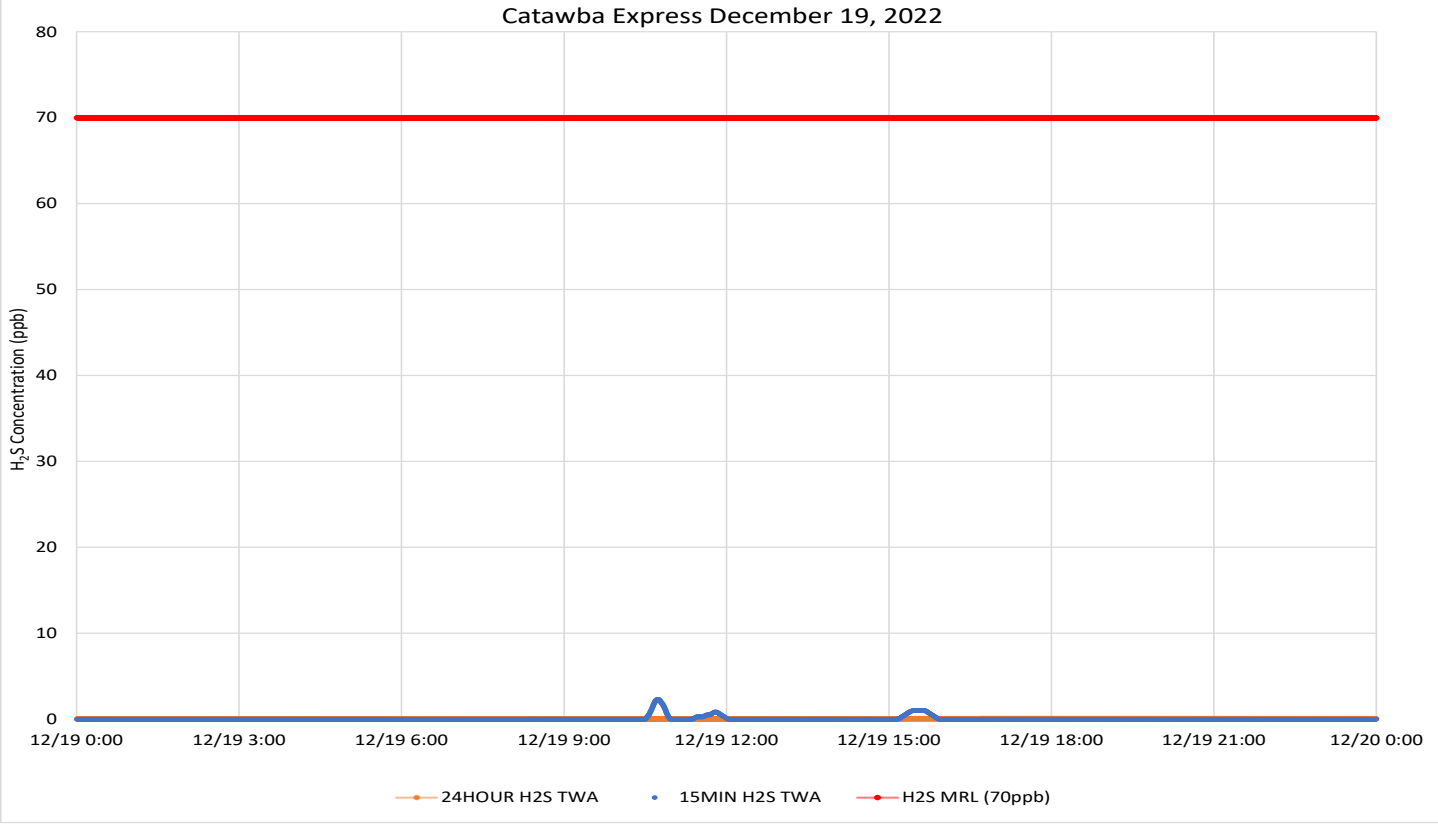


H_2S in South Carolina

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

Winds were light, mostly calm and highly variable. When detected, wind came from the southeast, the east northeast, west southwest and 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: **12/20/22 12:00 AM** ***To:*** **12/20/22 11:59 PM**

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

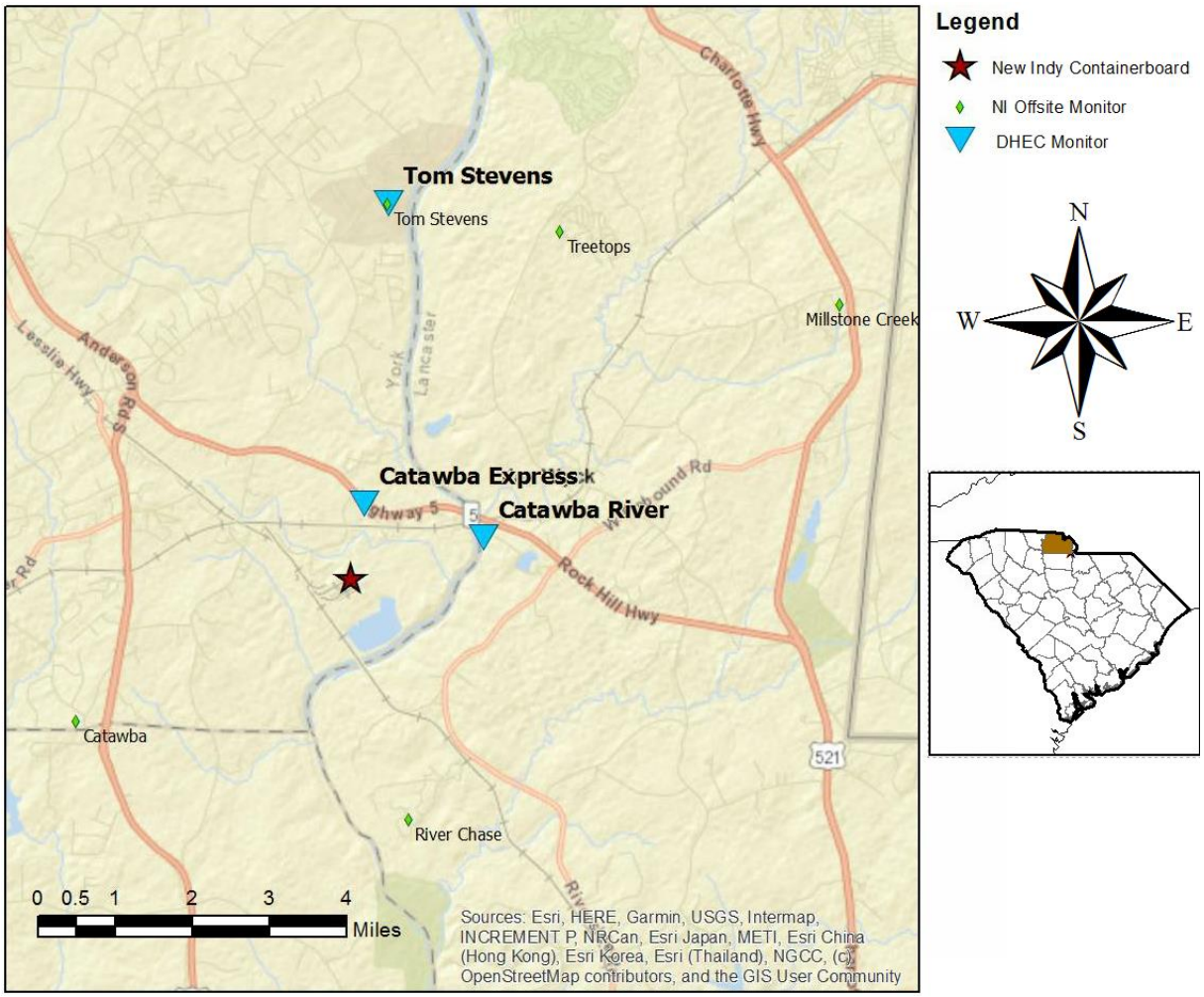
Catawba Express

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

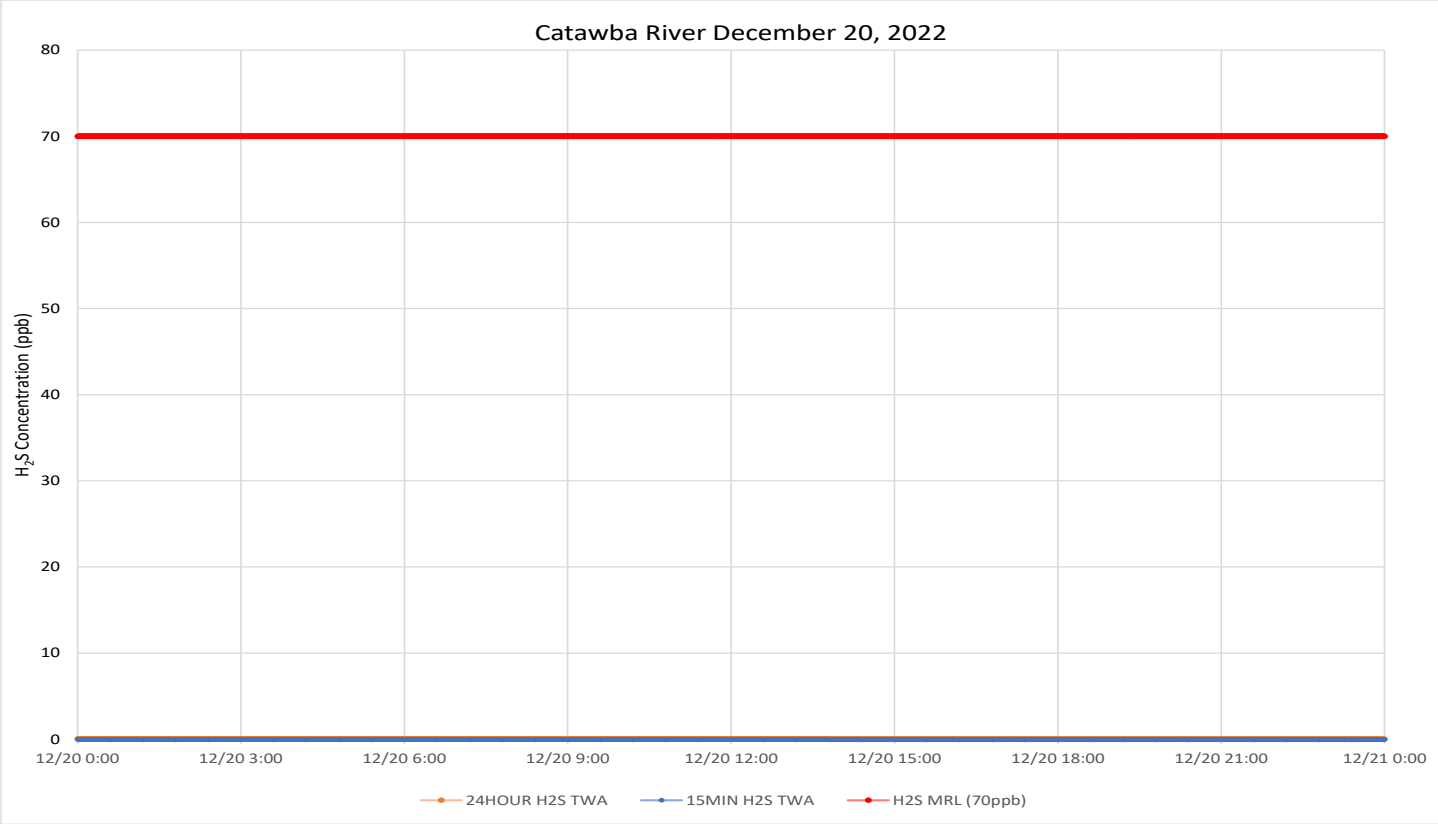
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

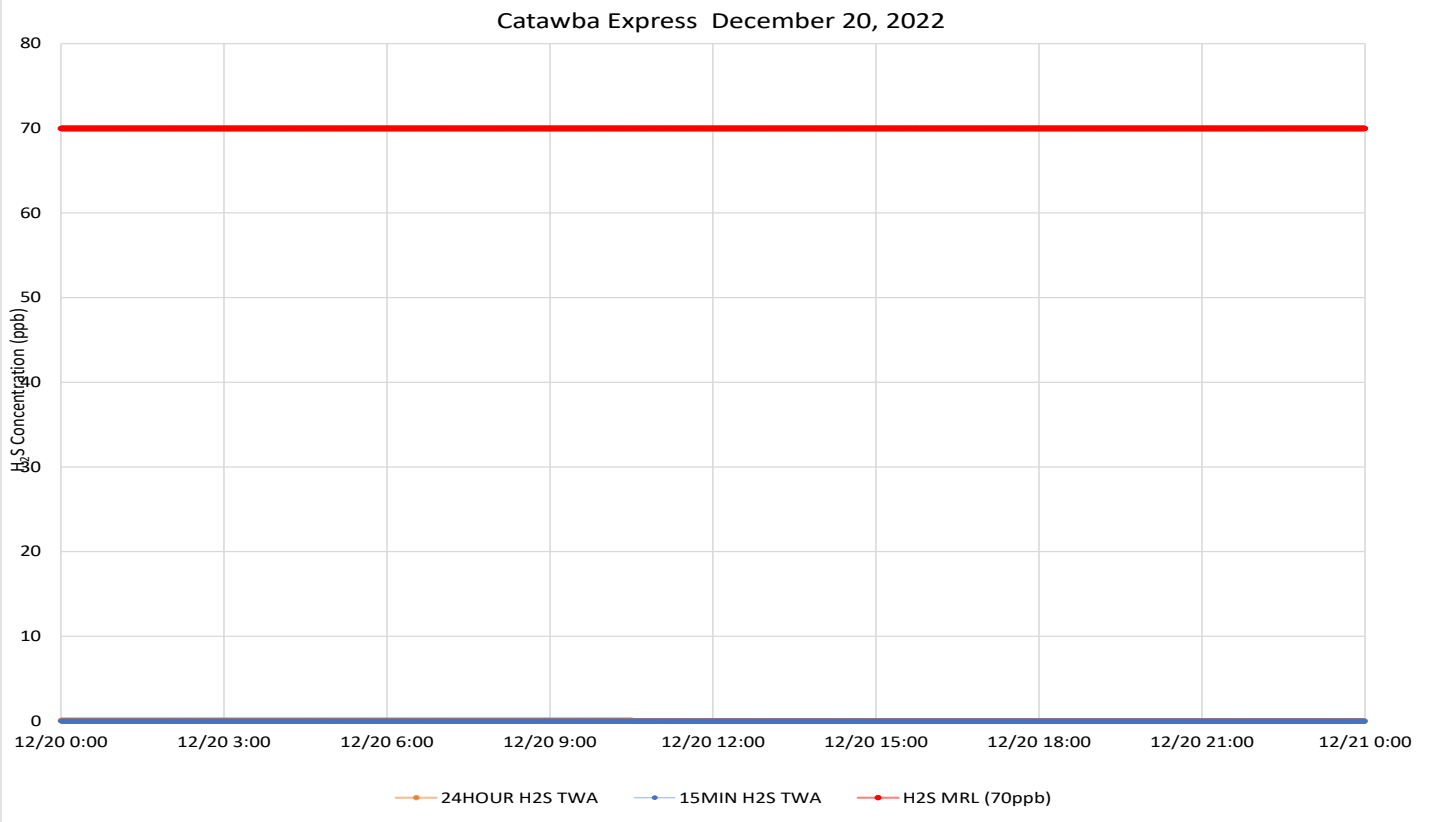


H_2S in South Carolina

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

Winds were light and highly variable with many calm hours in the morning. When detected, wind came from the north northwest to northwest in the morning and from the east southeast in the afternoon.





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: **12/21/22 12:00 AM** ***To:*** **12/21/22 11:59 PM**

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

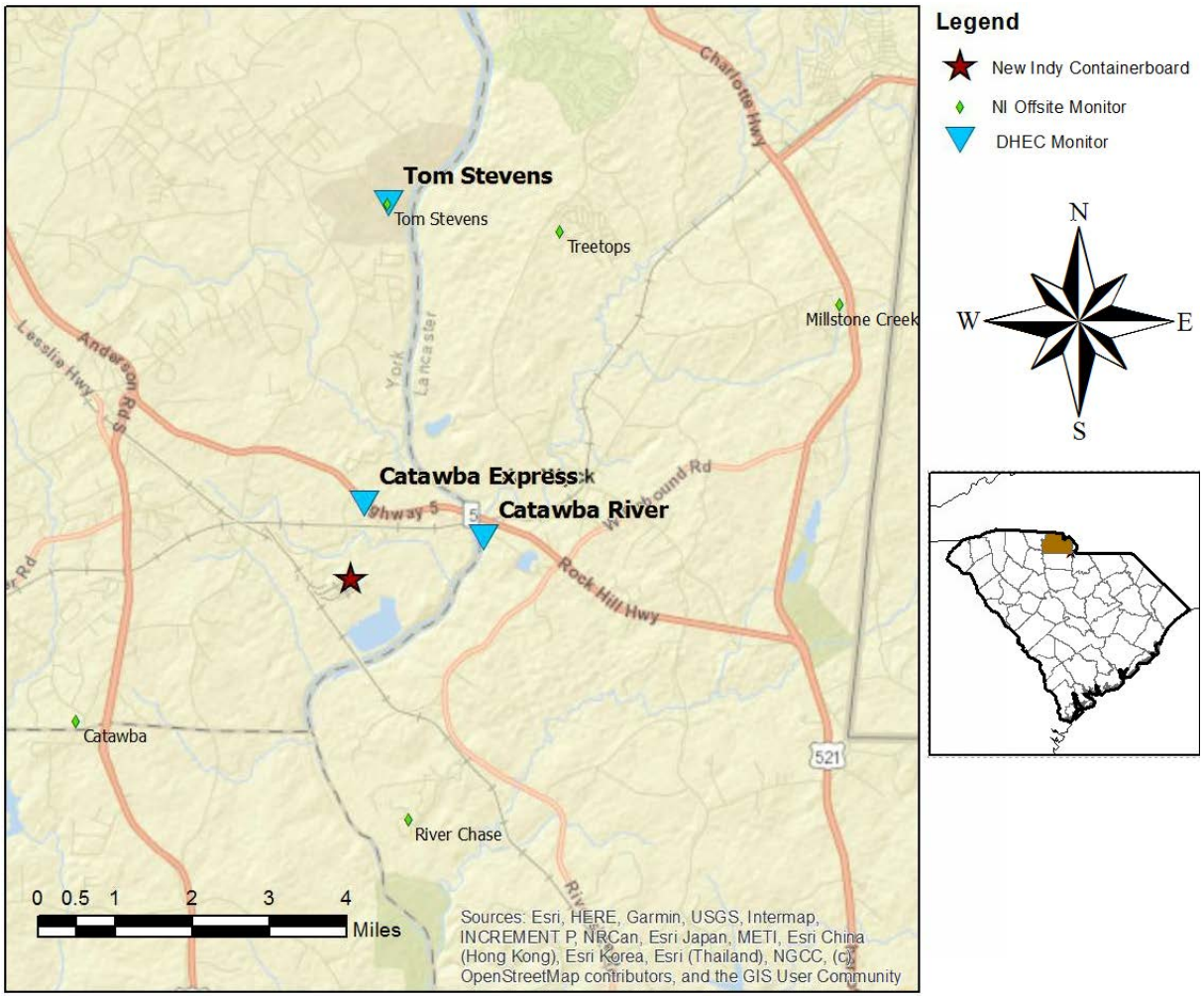
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	29	0 - 7 ppb	0.05 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.

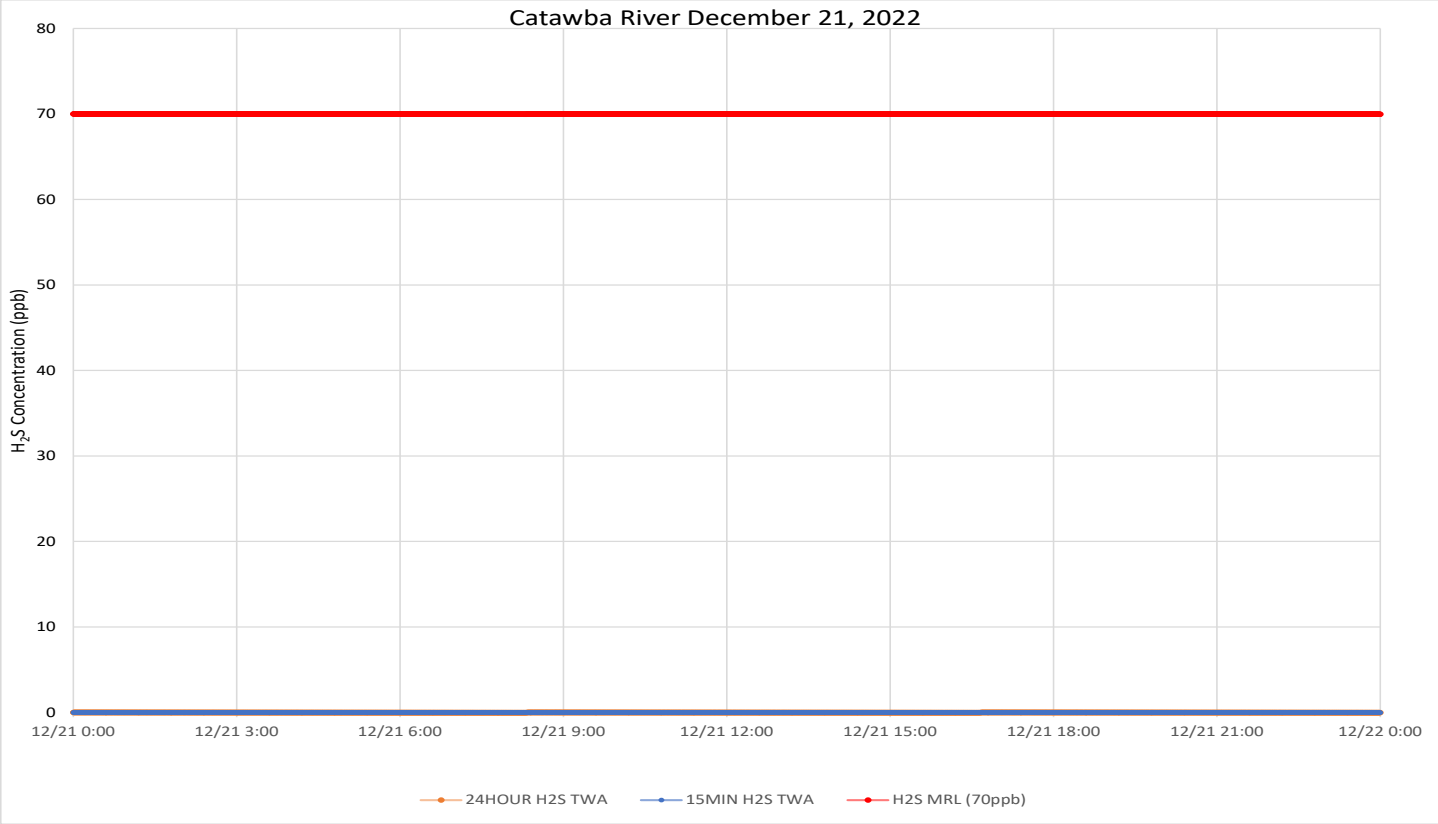
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

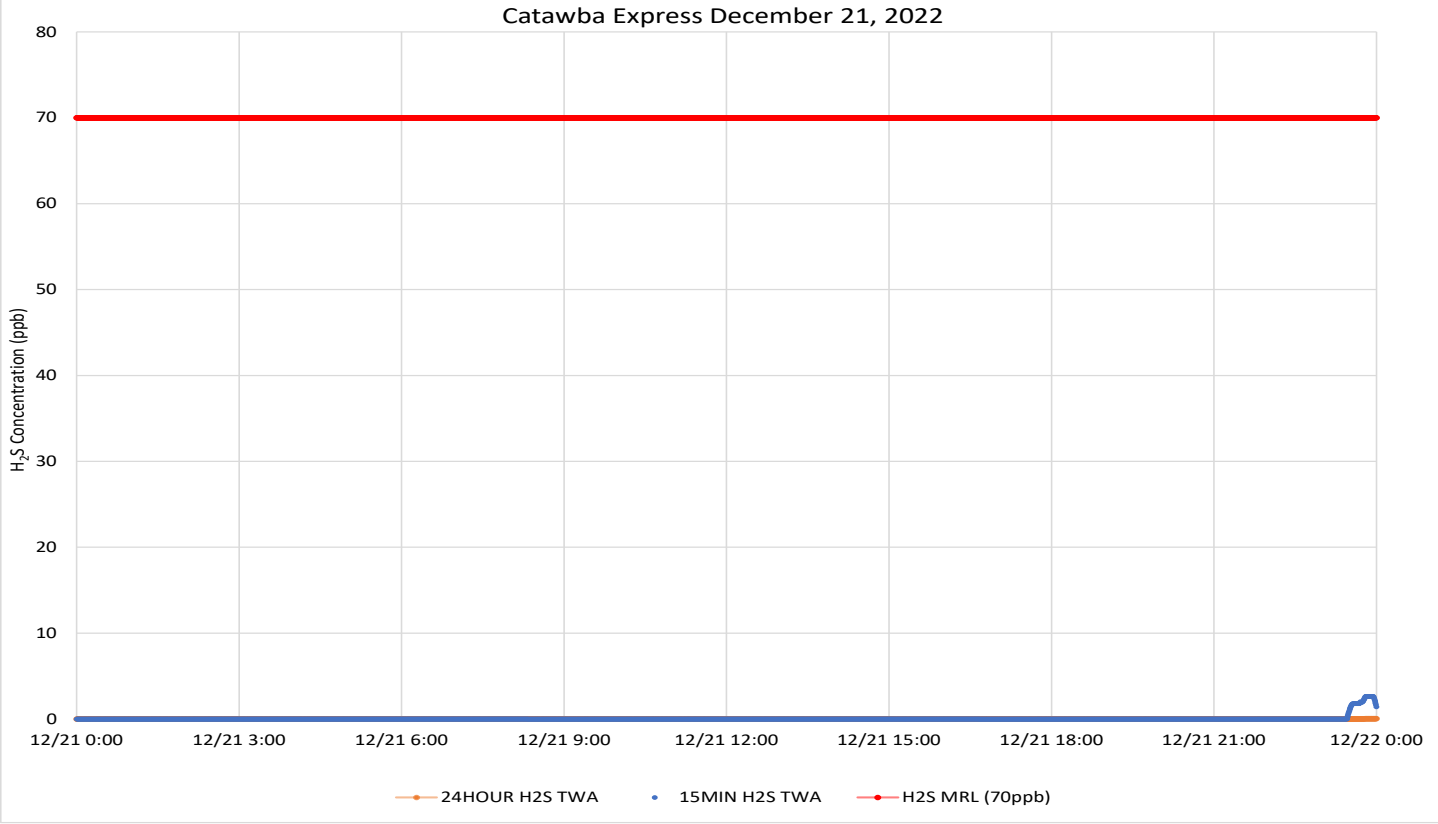


H_2S in South Carolina

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

Winds were light and variable with several calm hours in the morning. When detected, wind came from the north northwest to northwest.





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

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	189	0 - 2 ppb	0.07 ppb	70 ppb

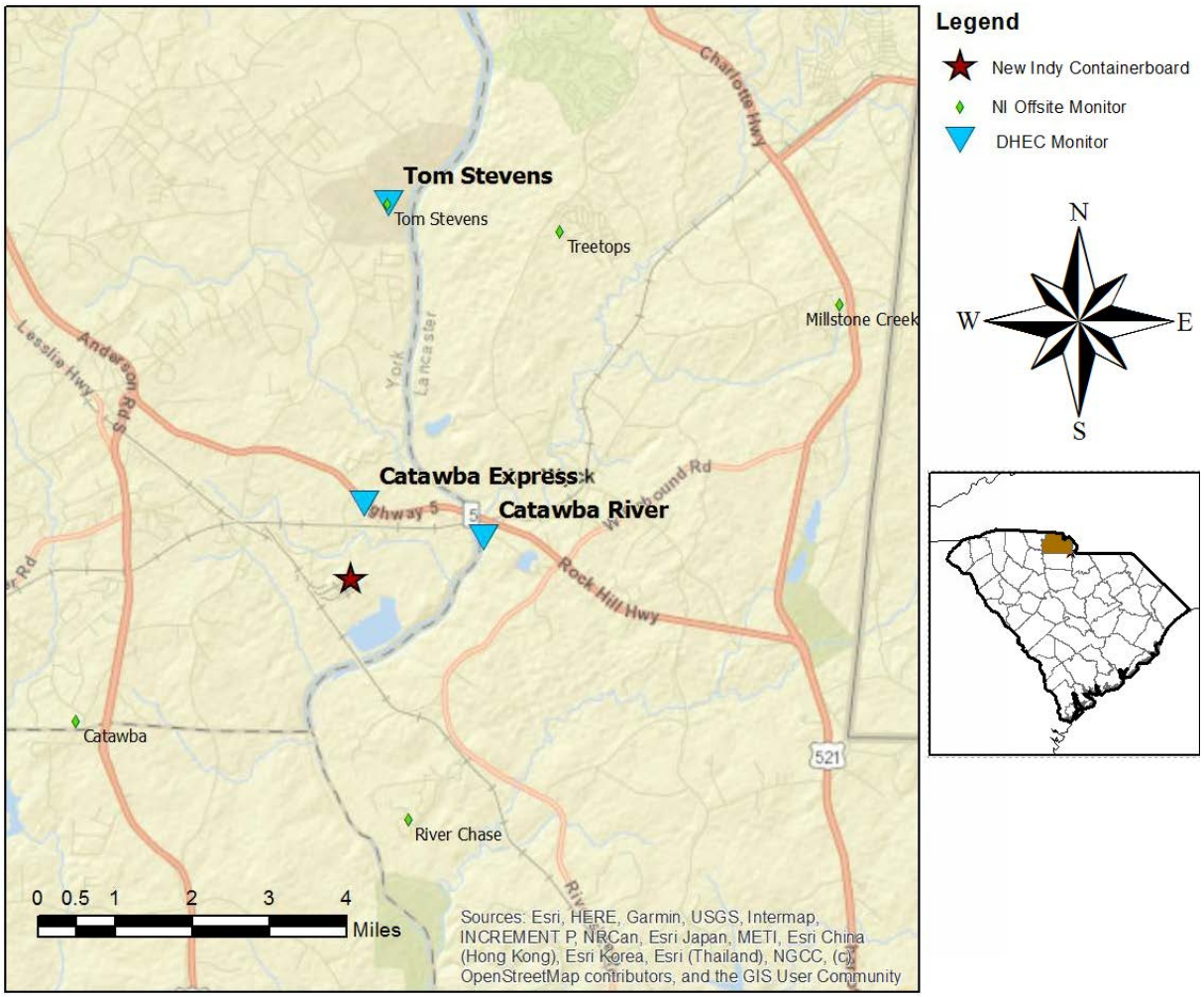
Catawba Express

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

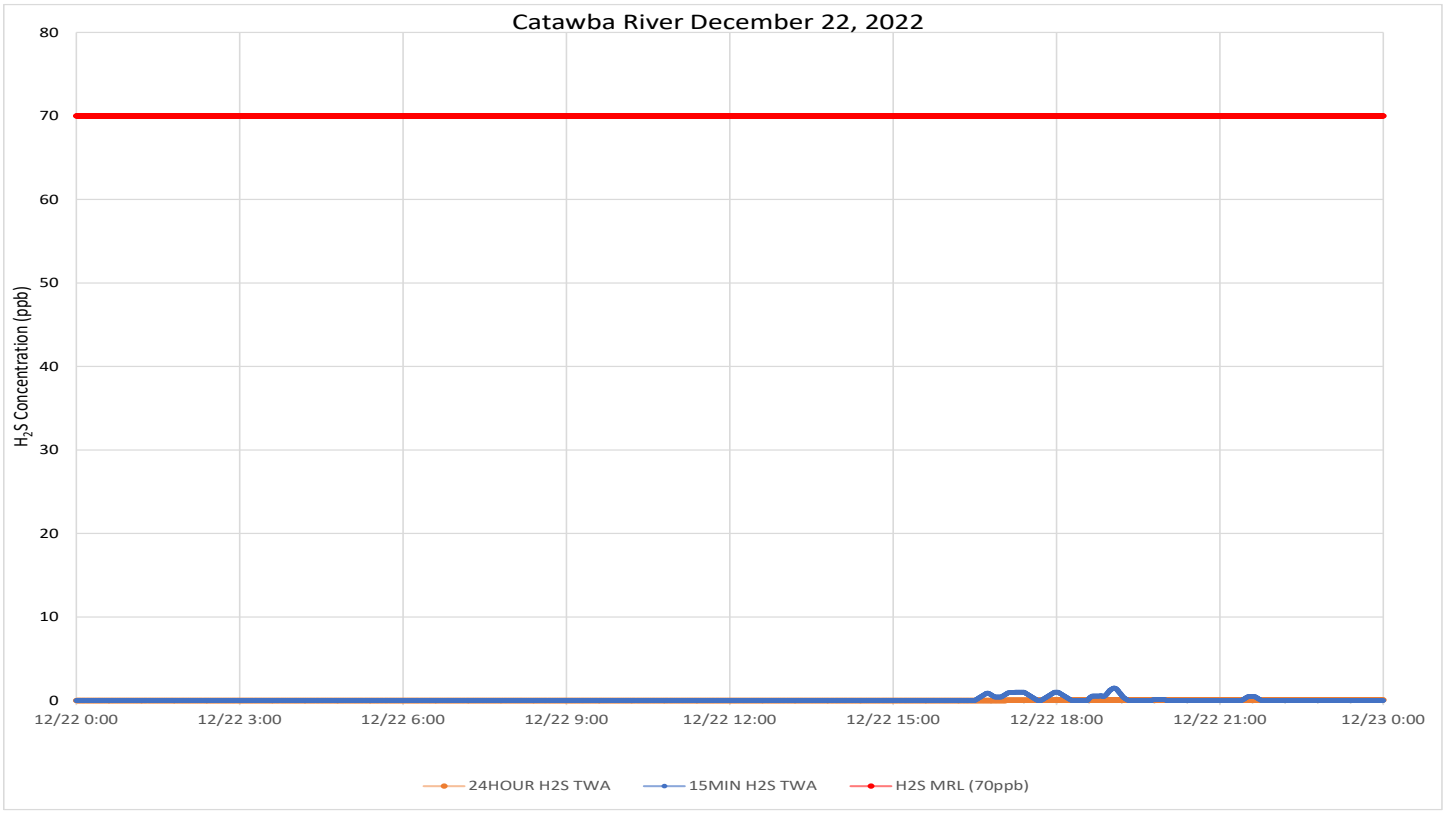
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

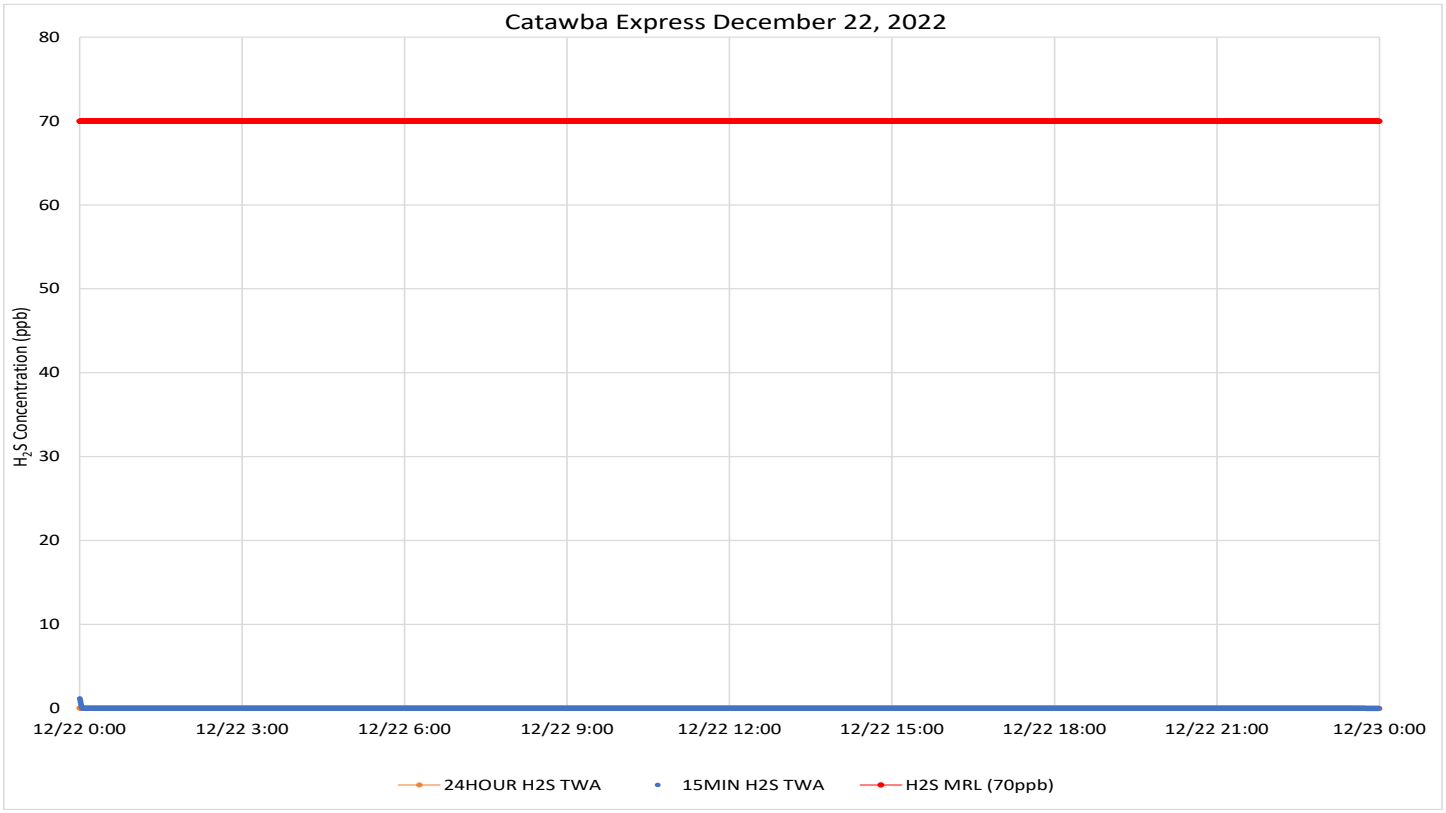


H_2S in South Carolina

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

Winds were a light to gentle breeze throughout the period. Winds initially came from the northeast to north northeast through early afternoon. Late afternoon to overnight, wind shifted to coming from the west and later from the 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: **12/23/22 12:00 AM** ***To:*** **12/23/22 11:59 PM**

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	363	0 - 3 ppb	0.17 ppb	70 ppb

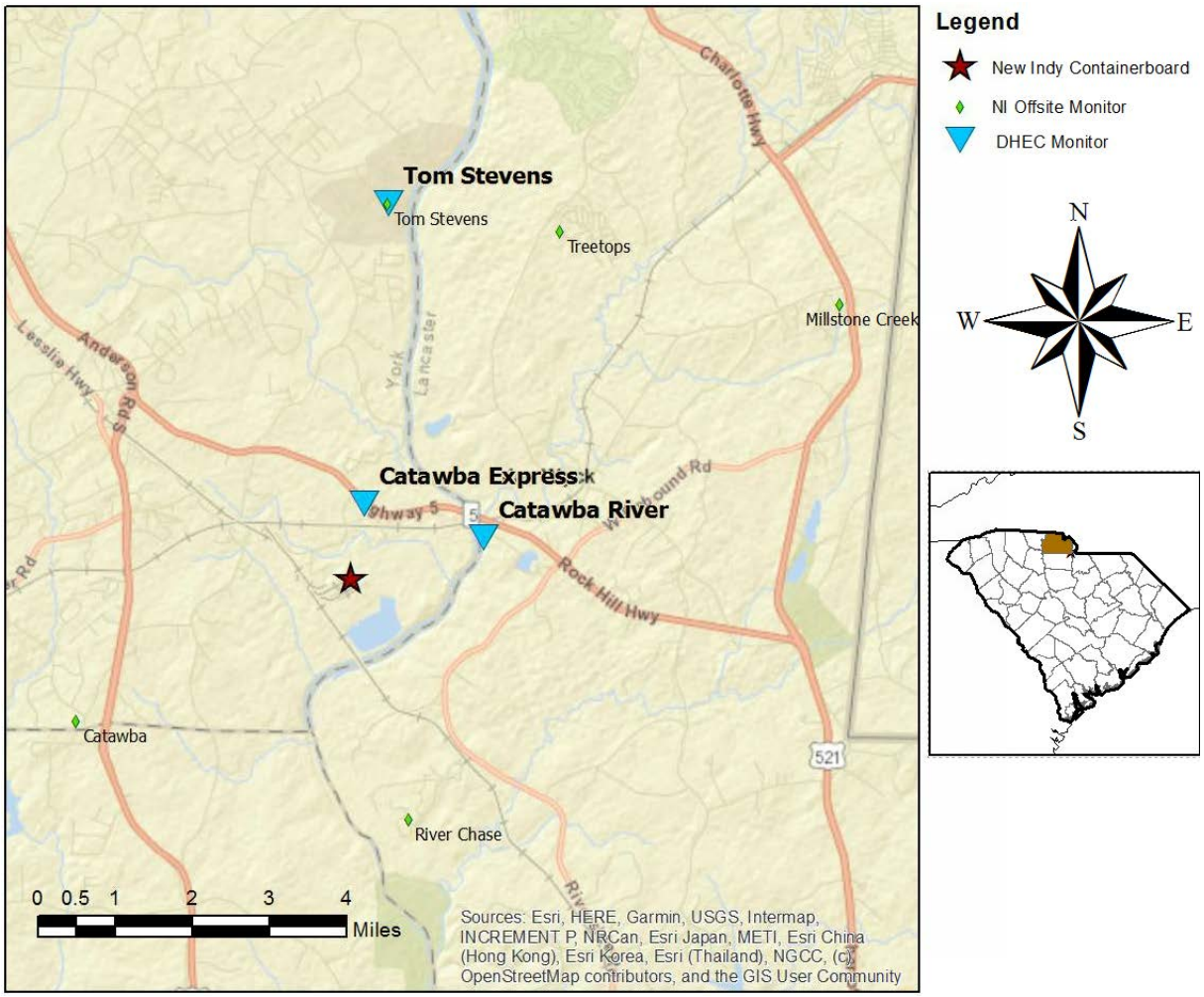
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	51	0 - 1 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.

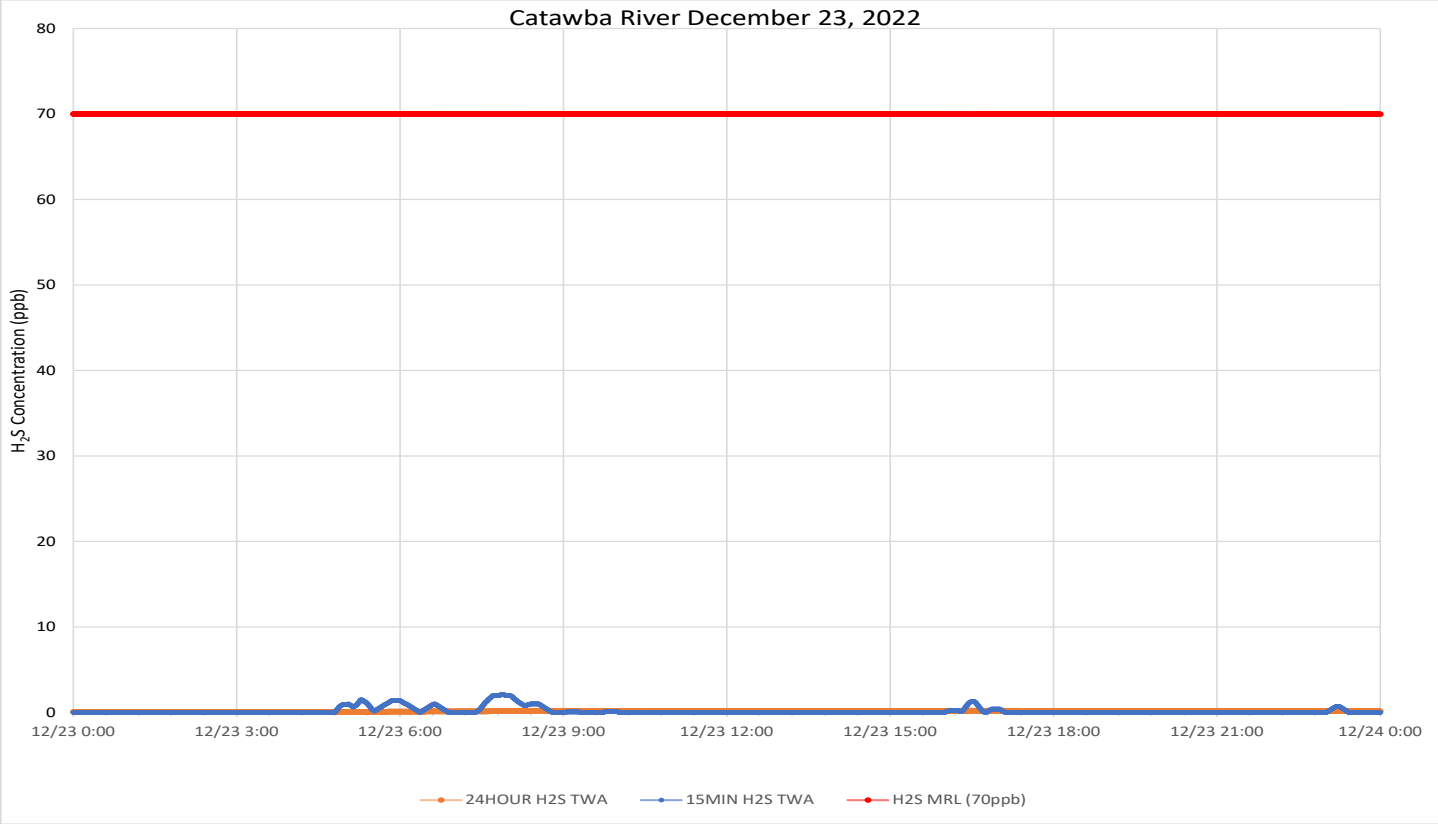
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

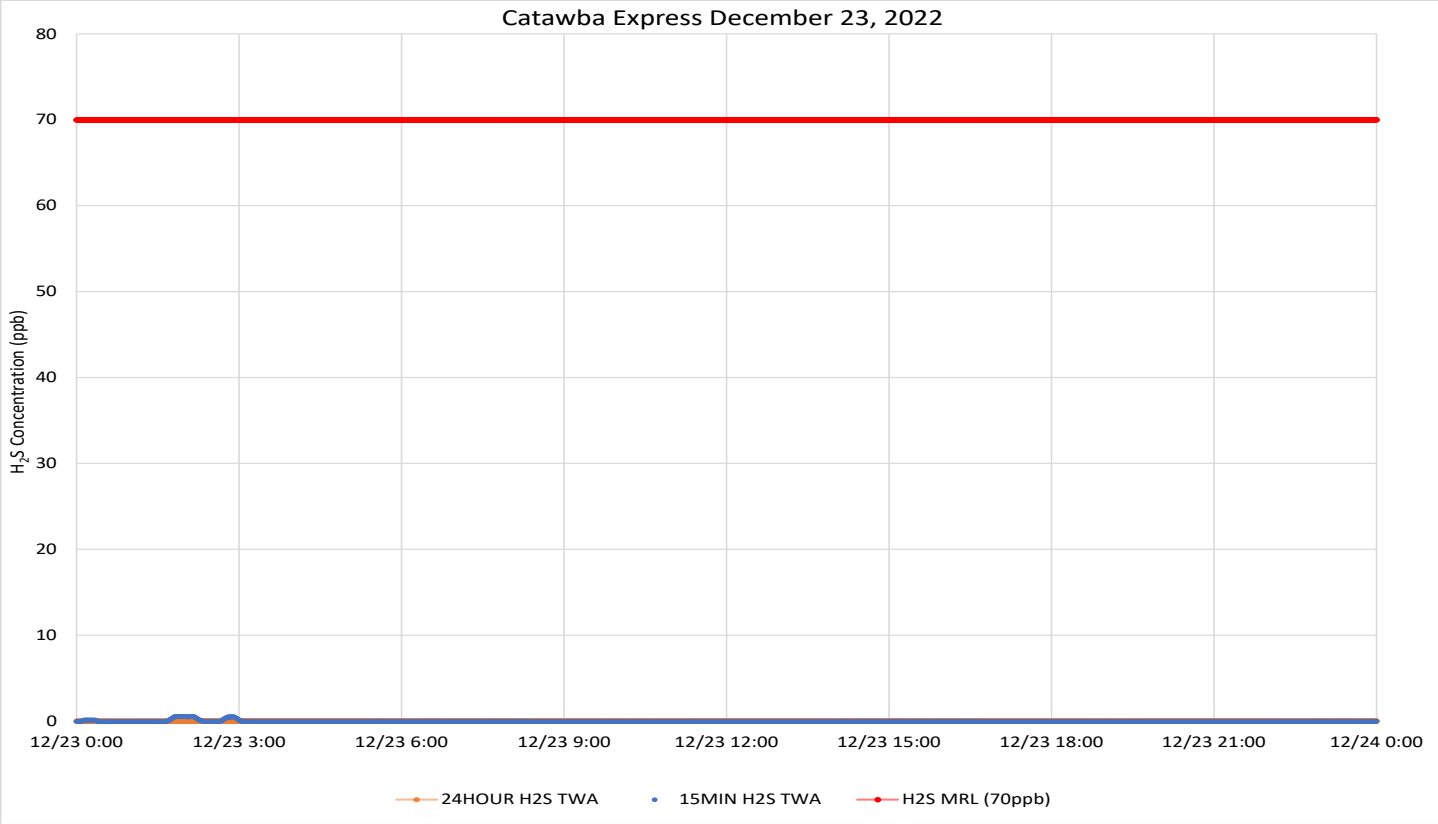


H_2S in South Carolina

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

Winds were breezy throughout the period. Winds initially came from the southwest to west southwest through midmorning, shifting to coming from the west to northwest for the remainder of 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: **12/24/22 12:00 AM** ***To:*** **12/24/22 11:59 PM**

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	44	0 - 1 ppb	0.02 ppb	70 ppb

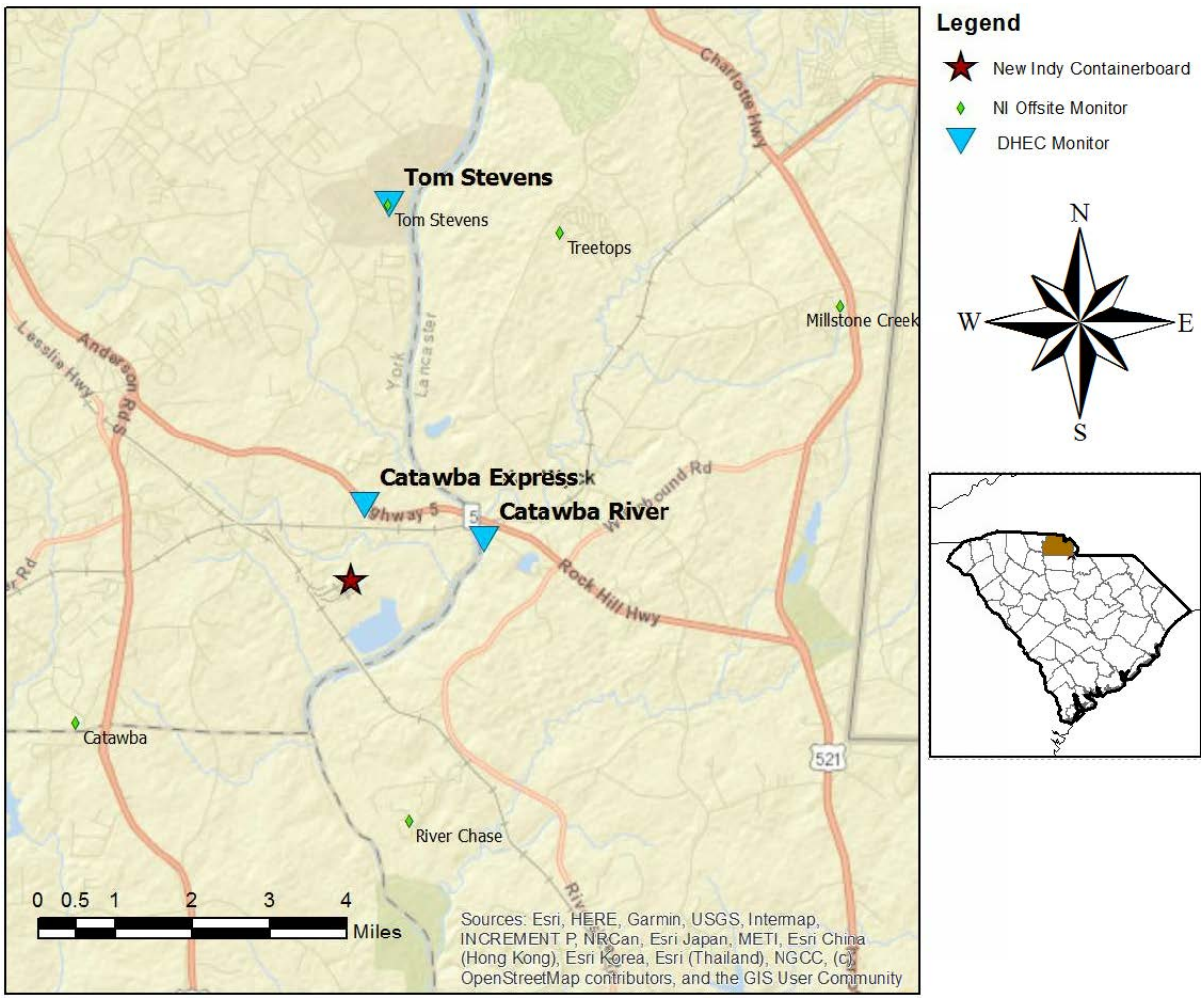
Catawba Express

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

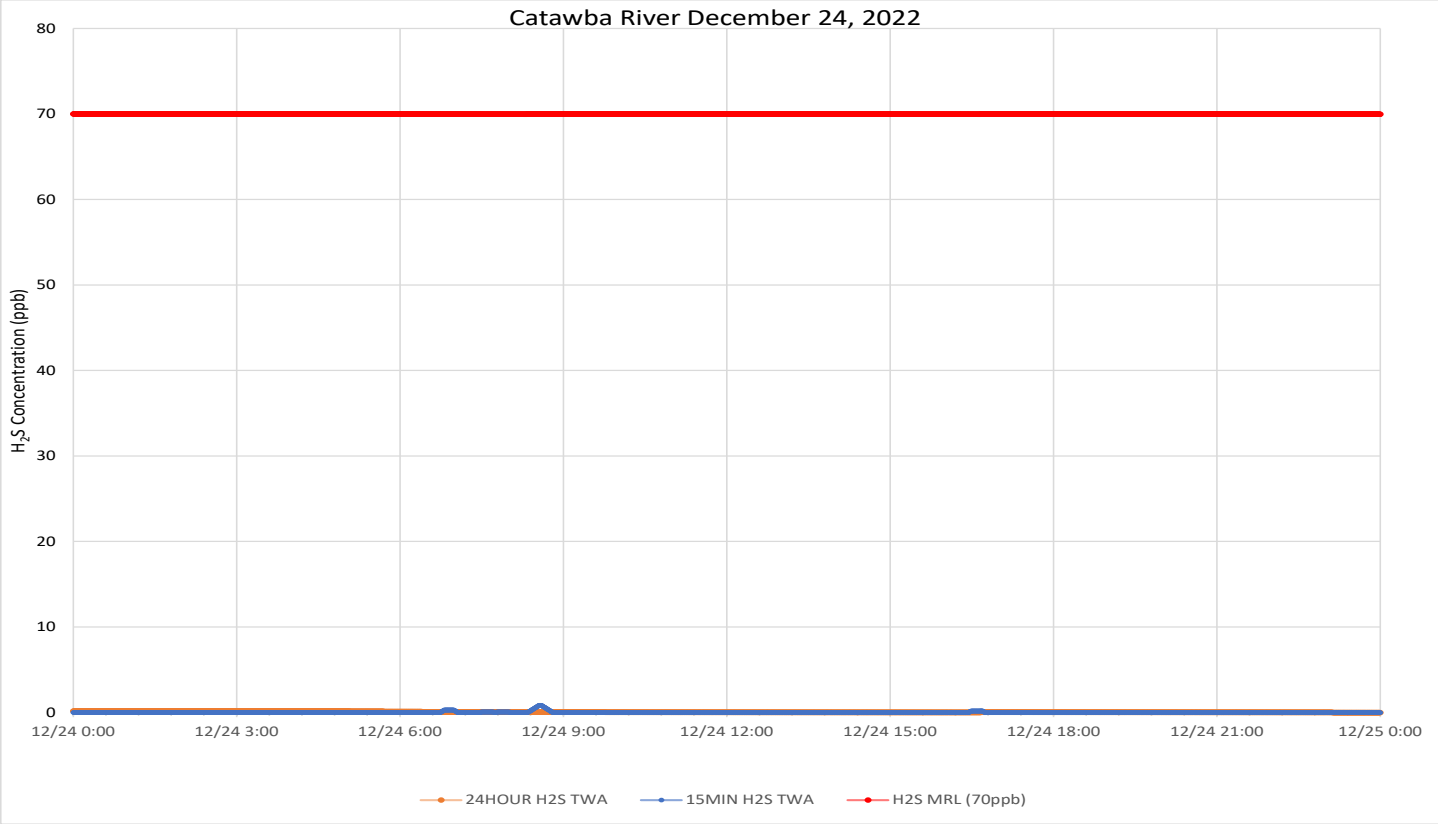
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

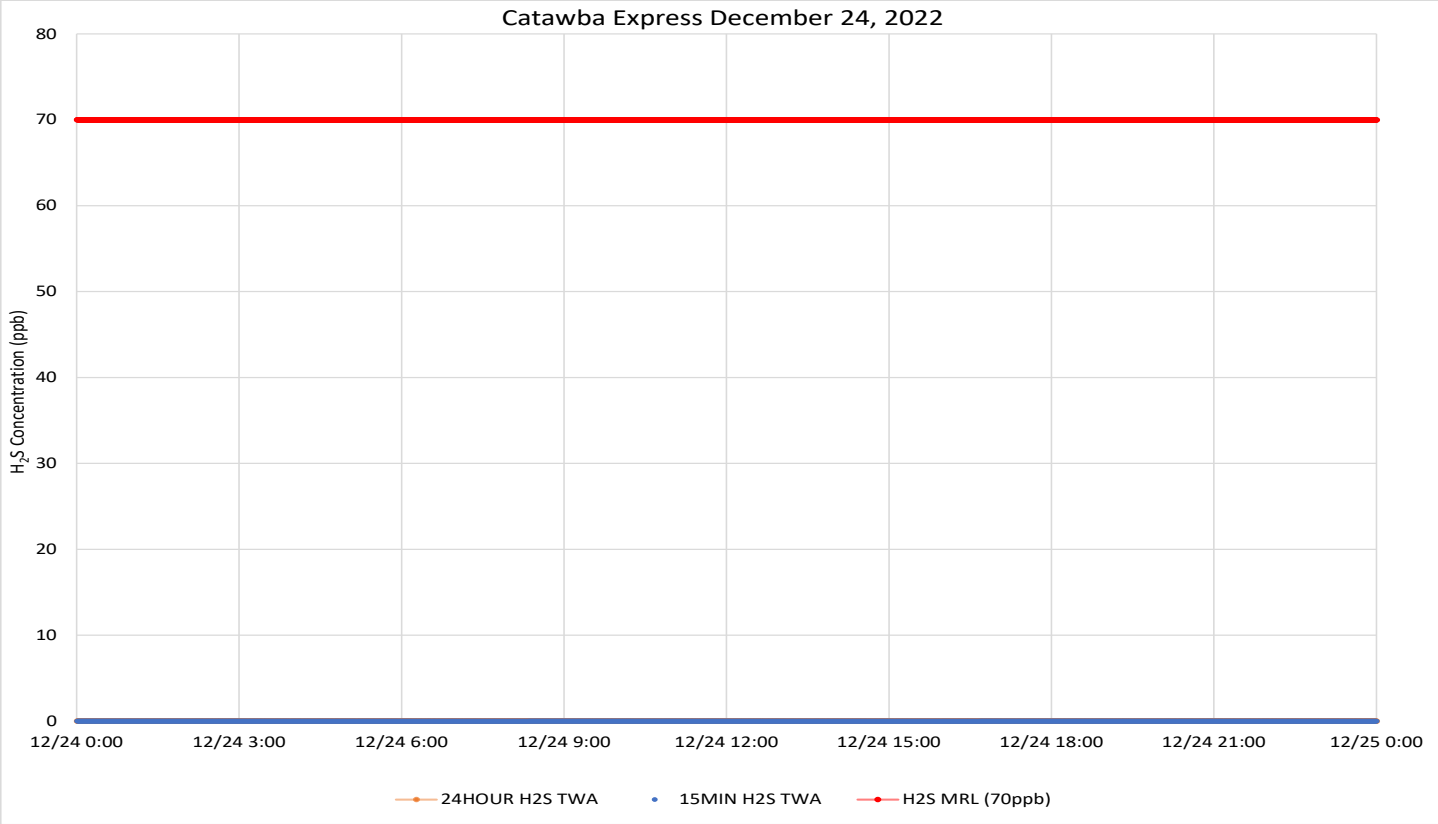


H_2S in South Carolina

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

Winds were breezy throughout the period. Winds initially came from the west northwest and shifted through the day to coming from the southwest by the end of 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: **12/25/22 12:00 AM** ***To:*** **12/25/22 11:59 PM**

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	188	0 - 2 ppb	0.08 ppb	70 ppb

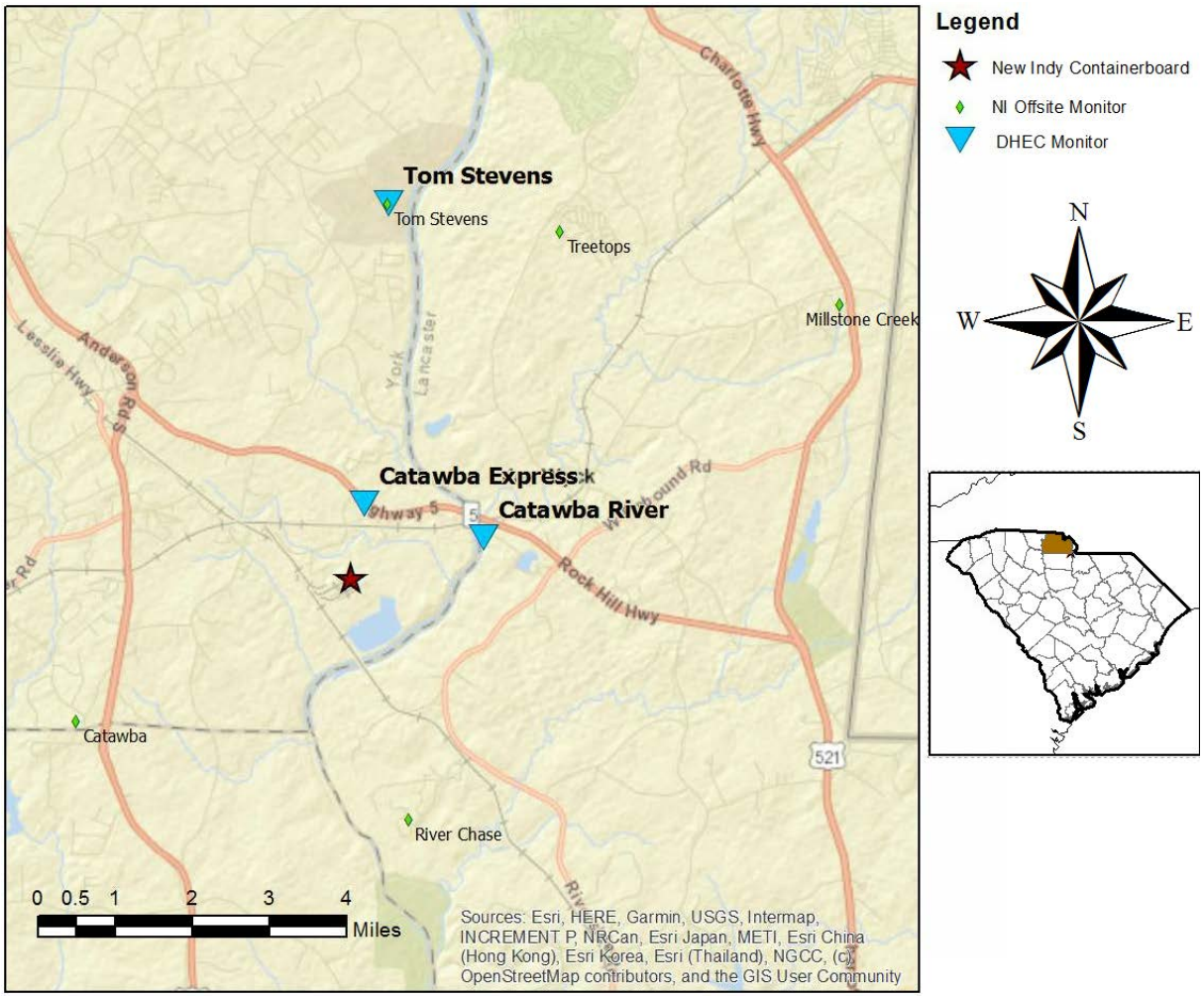
Catawba Express

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

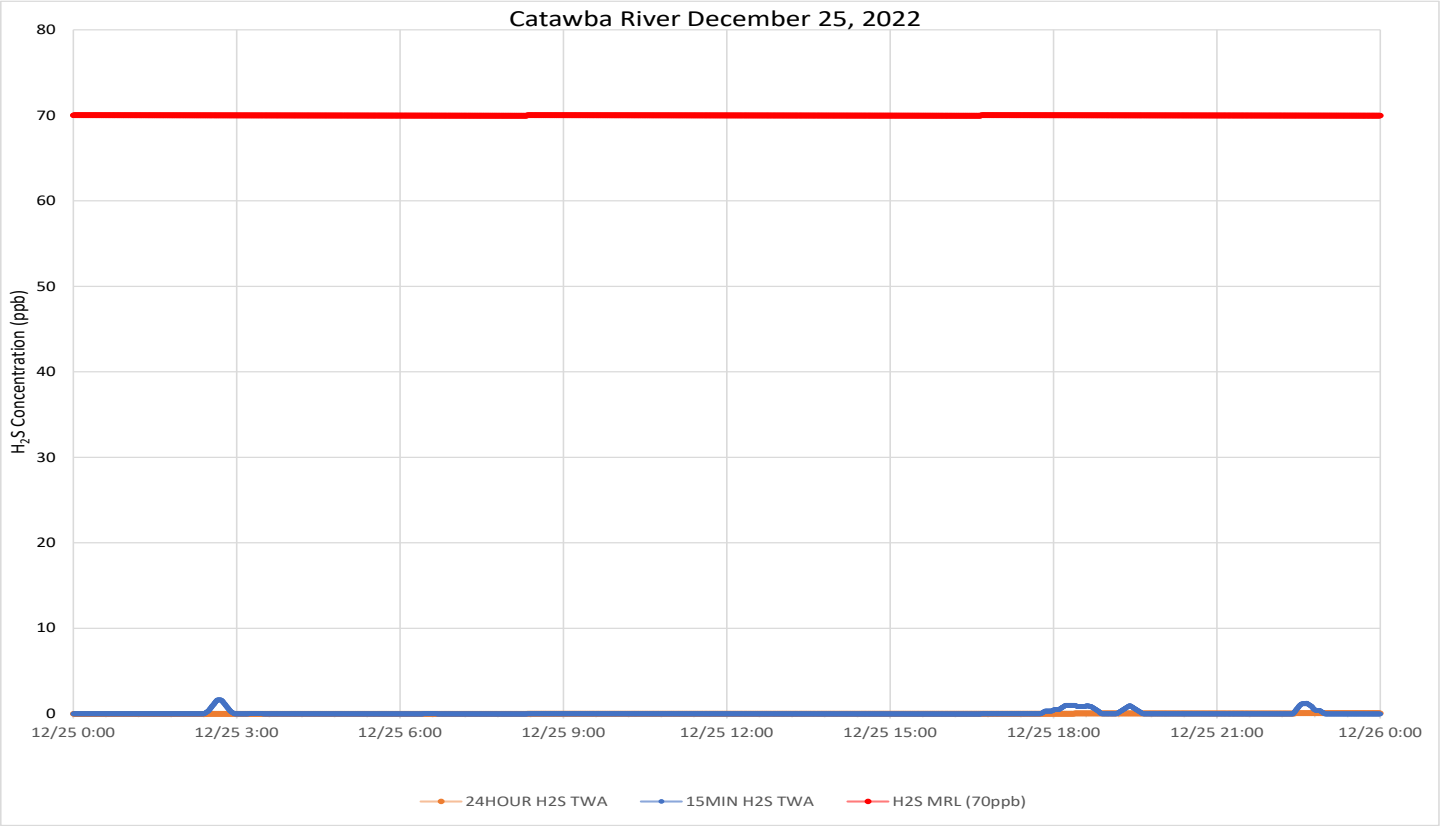
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

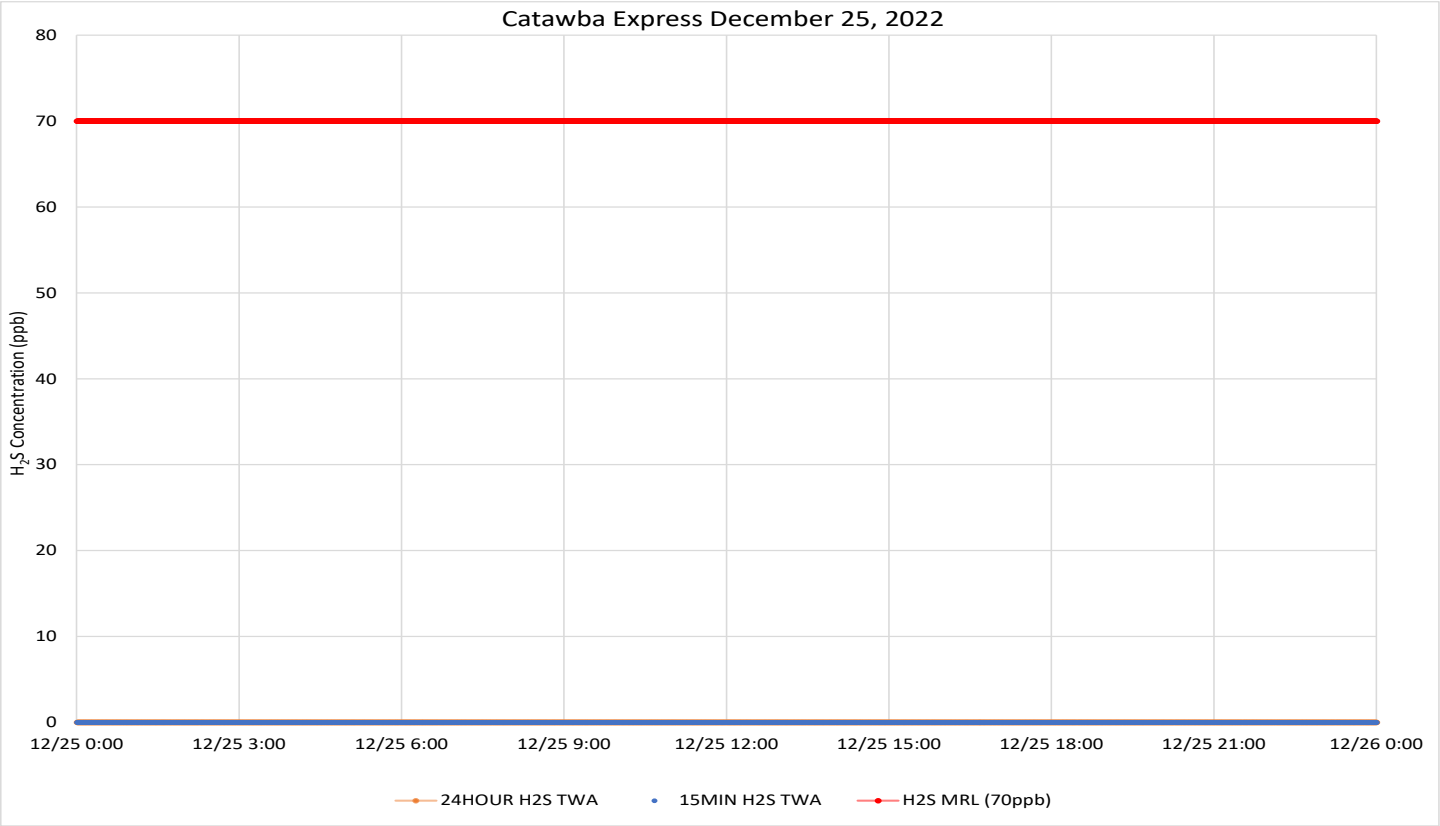


H_2S in South Carolina

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

Winds were from the southwest to west during 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: **12/26/22 12:00 AM** ***To:*** **12/26/22 11:59 PM**

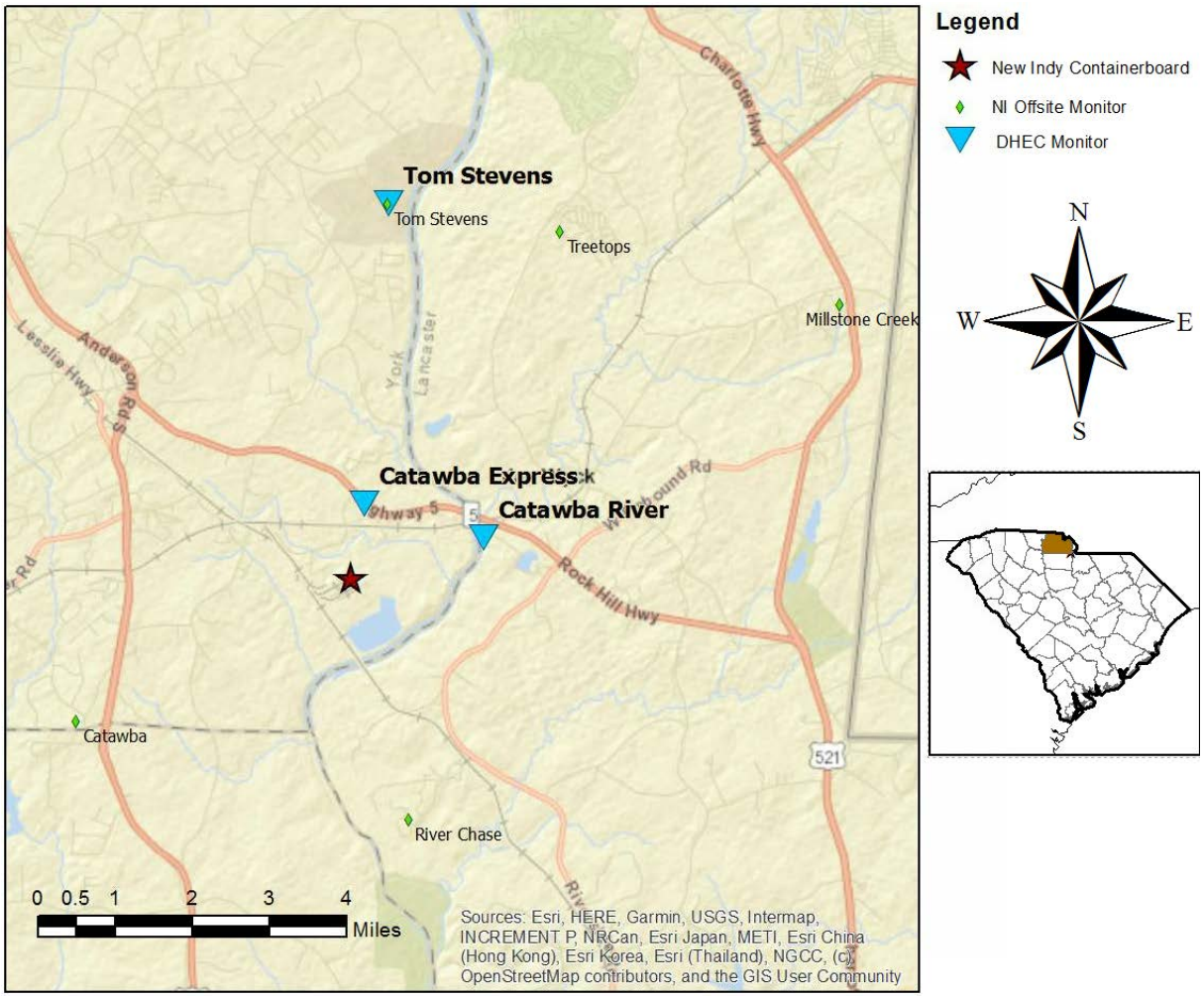
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	136	0 - 2 ppb	0.05 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.

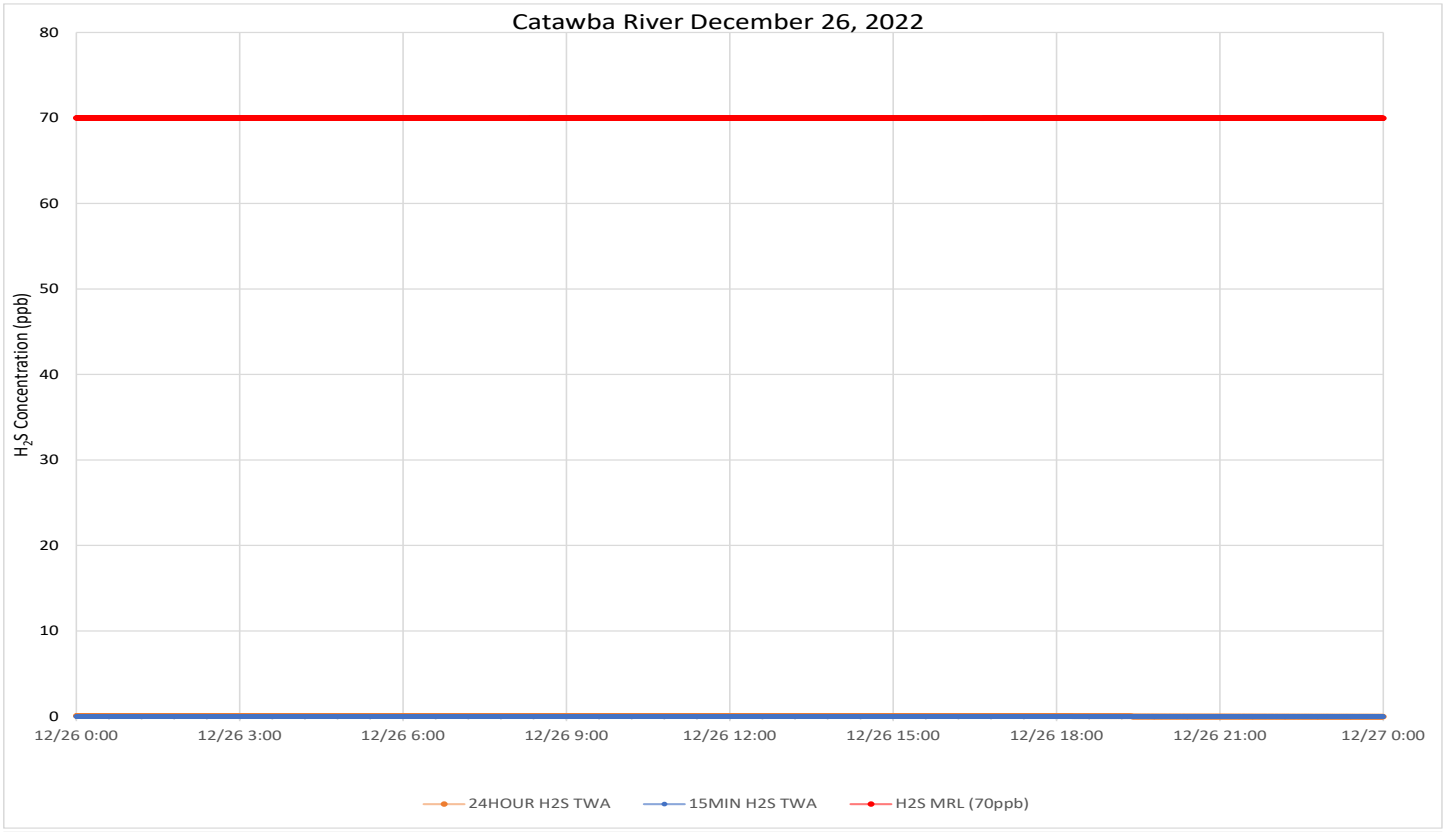
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

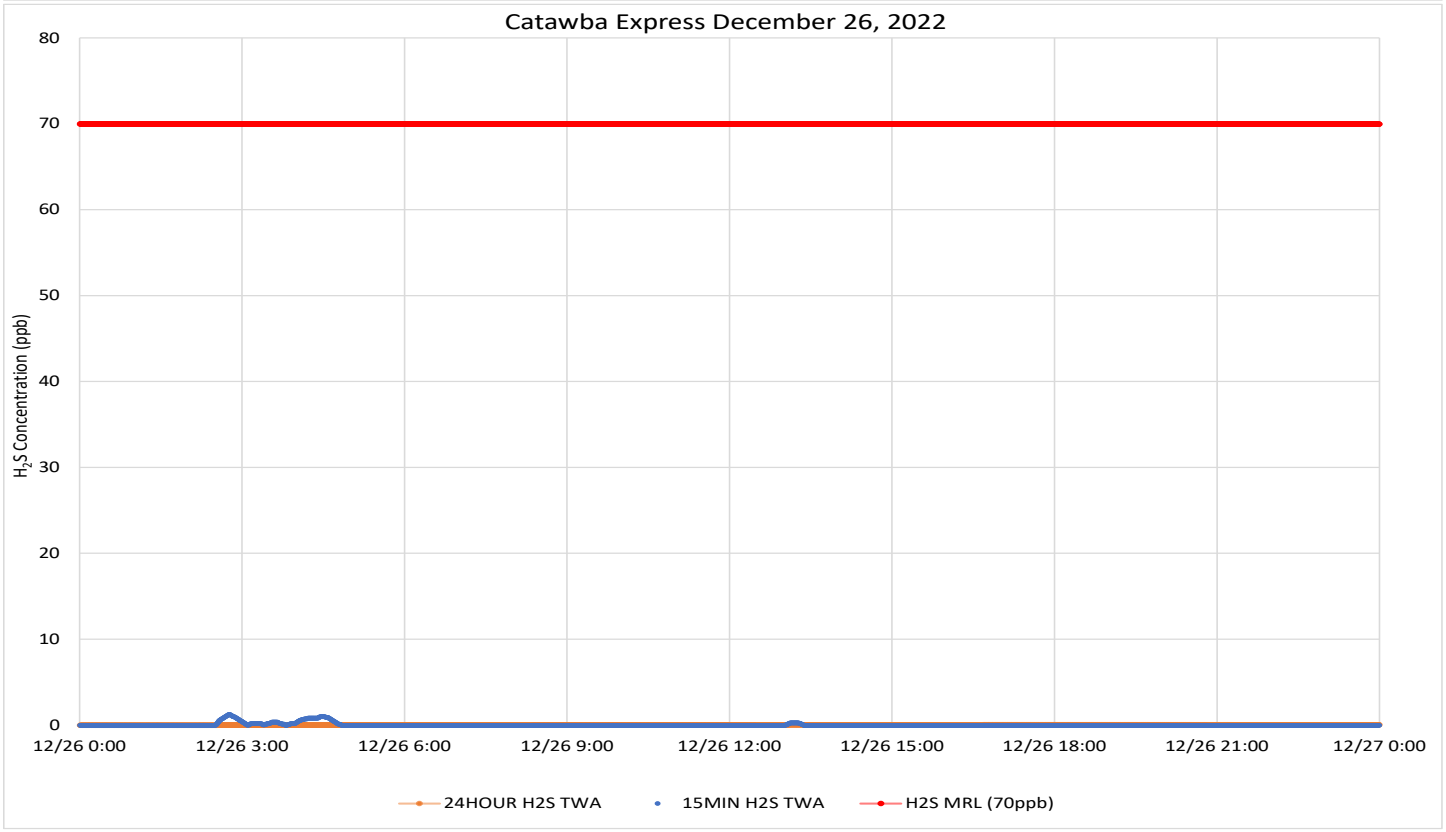


H_2S in South Carolina

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

Winds were mostly calm during this period (18 of 24 hours). When detected, winds came from the east southeast (late morning) and southwest (early afternoon).





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: **12/27/22 12:00 AM** ***To:*** **12/27/22 11:59 PM**

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	18	0 - 1 ppb	0.01 ppb	70 ppb

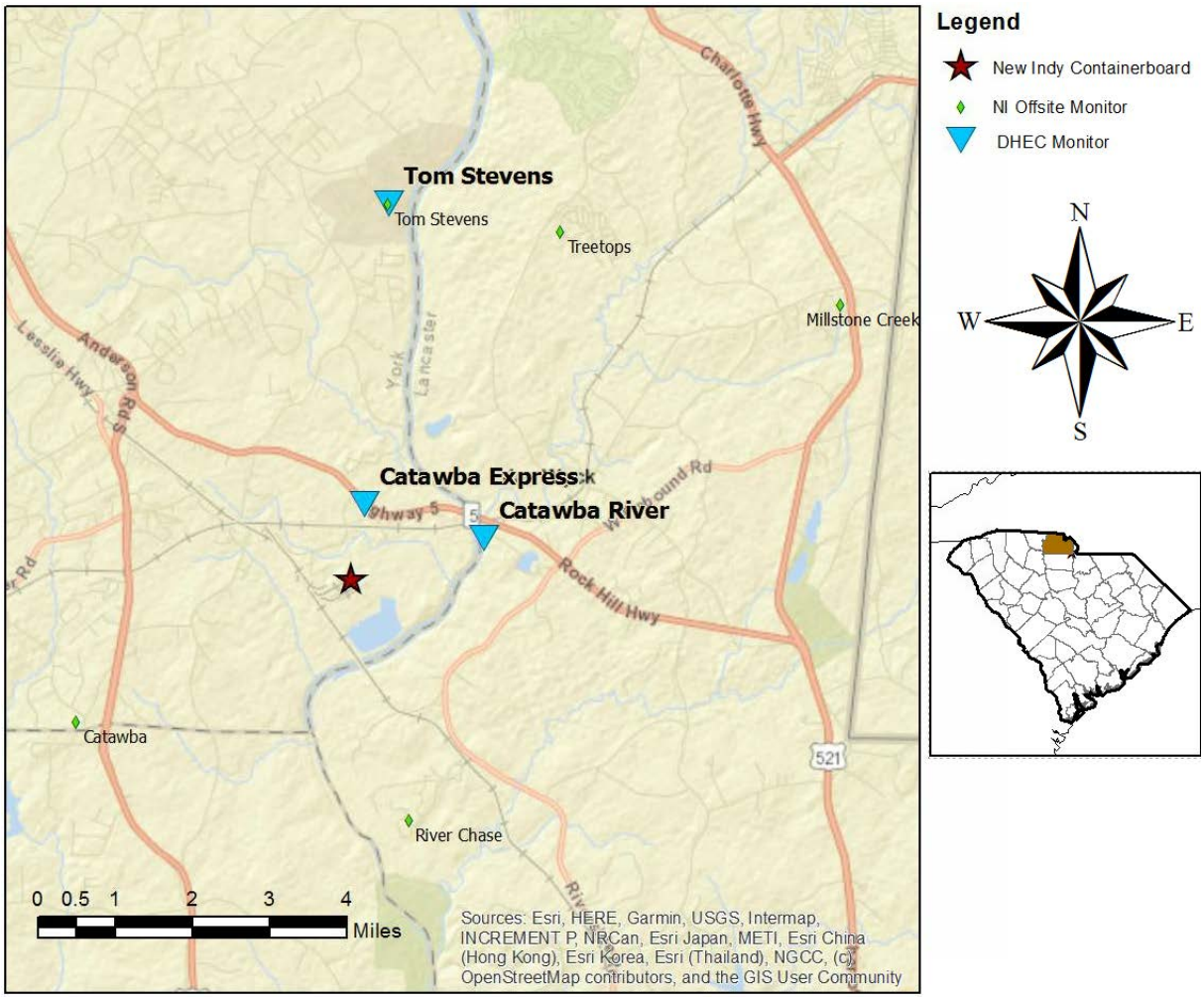
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	286	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.

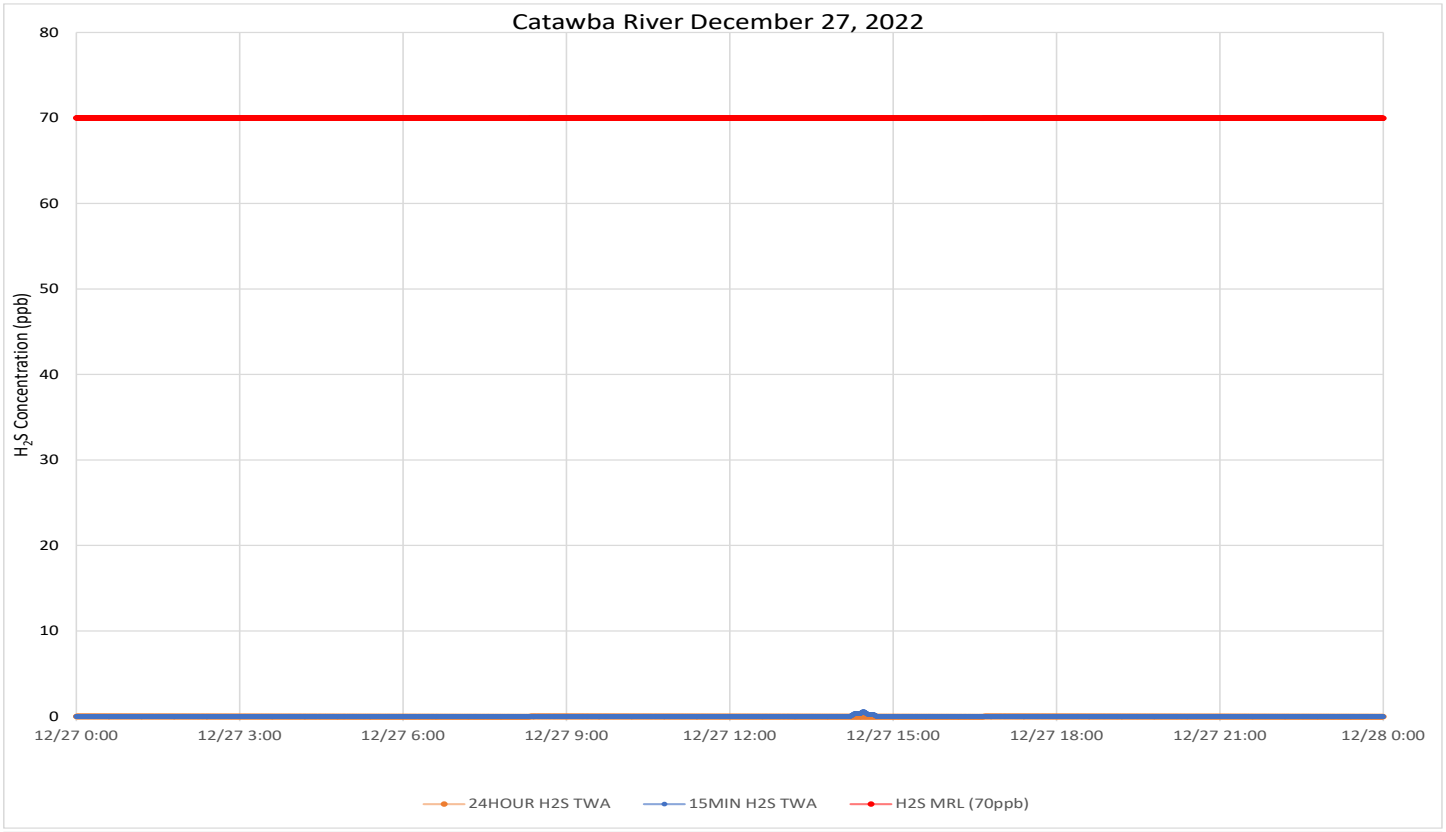
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

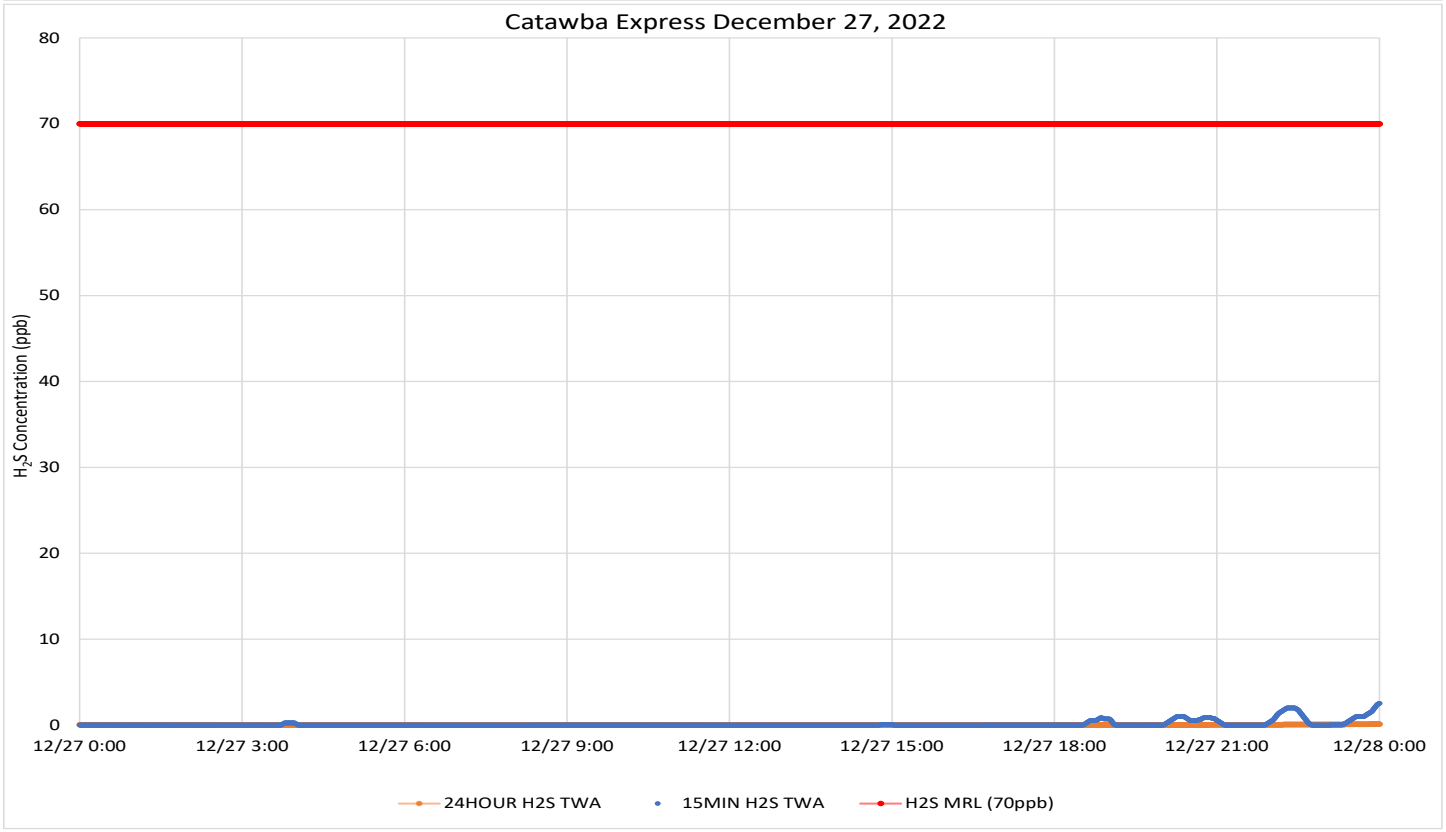


H_2S in South Carolina

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

Winds were mostly calm during this period (17 of 24 hours). When detected, winds came from the north (late morning) and west southwest (late afternoon).





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: **12/28/22 12:00 AM** ***To:*** **12/28/22 11:59 PM**

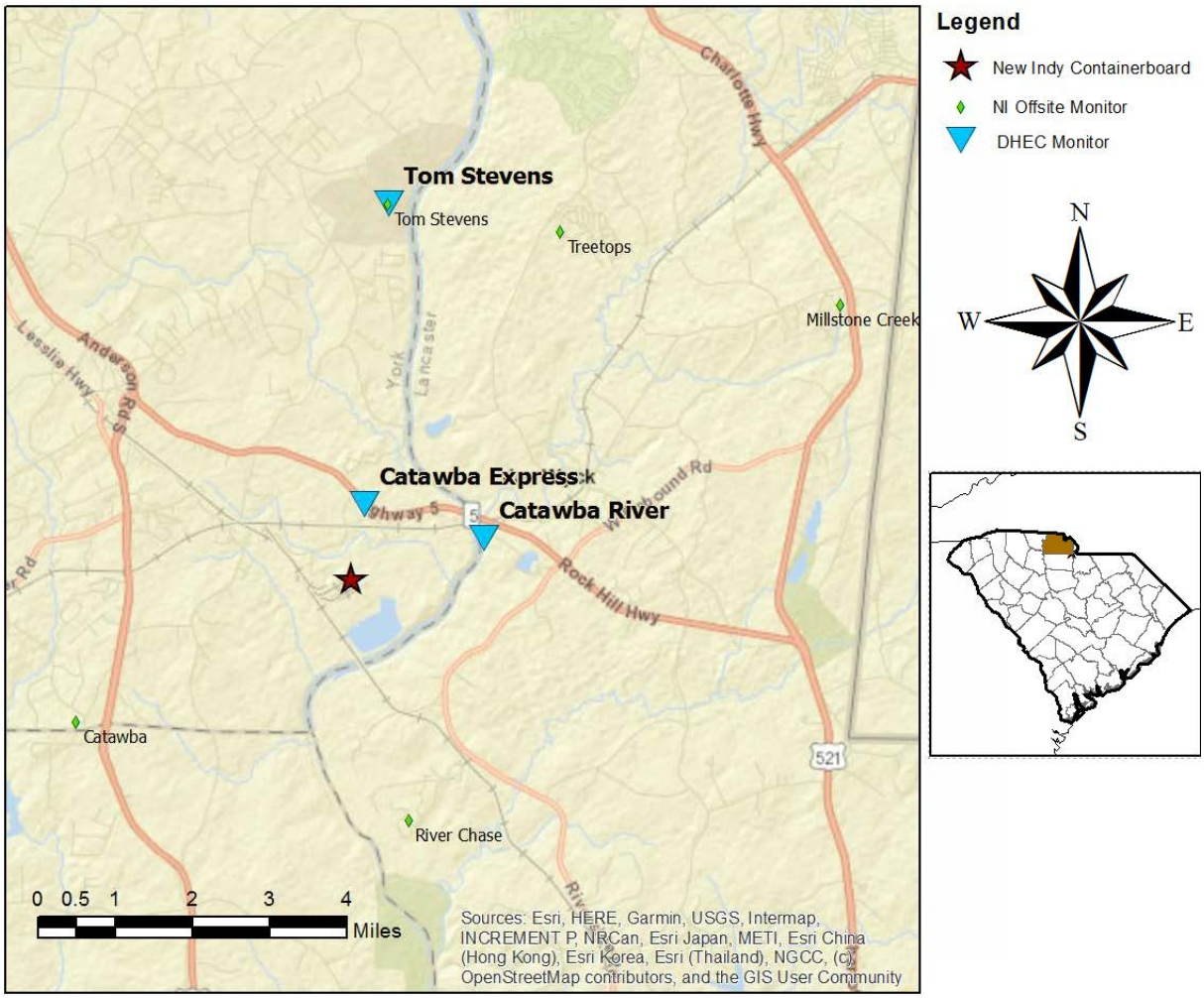
Catawba River							
Instrument	**Analyte**	**ATSDR MRL Exceedance?**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**ATSDR MRL**
SPM Flex 3	H2S	No	2880	128	0 - 3 ppb	0.07 ppb	70 ppb

Catawba Express							
Instrument	**Analyte**	**ATSDR MRL Exceedance?**	**Number of Readings**	**Number of Detections**	**Concentration Range**	**Period Average**	**ATSDR MRL**
SPM Flex 2	H2S	No	2879	1243	0 - 7 ppb	0.89 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.

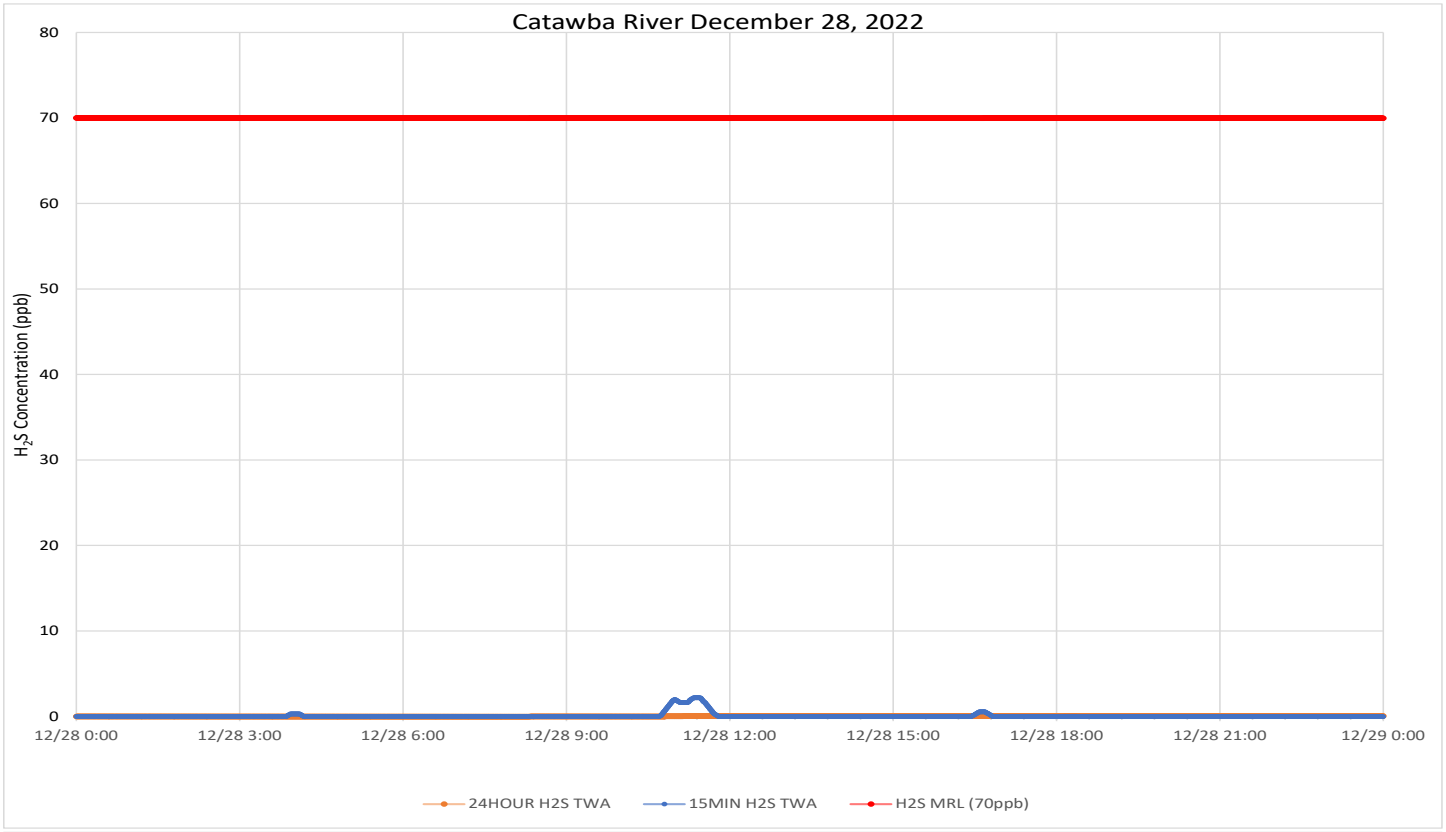
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

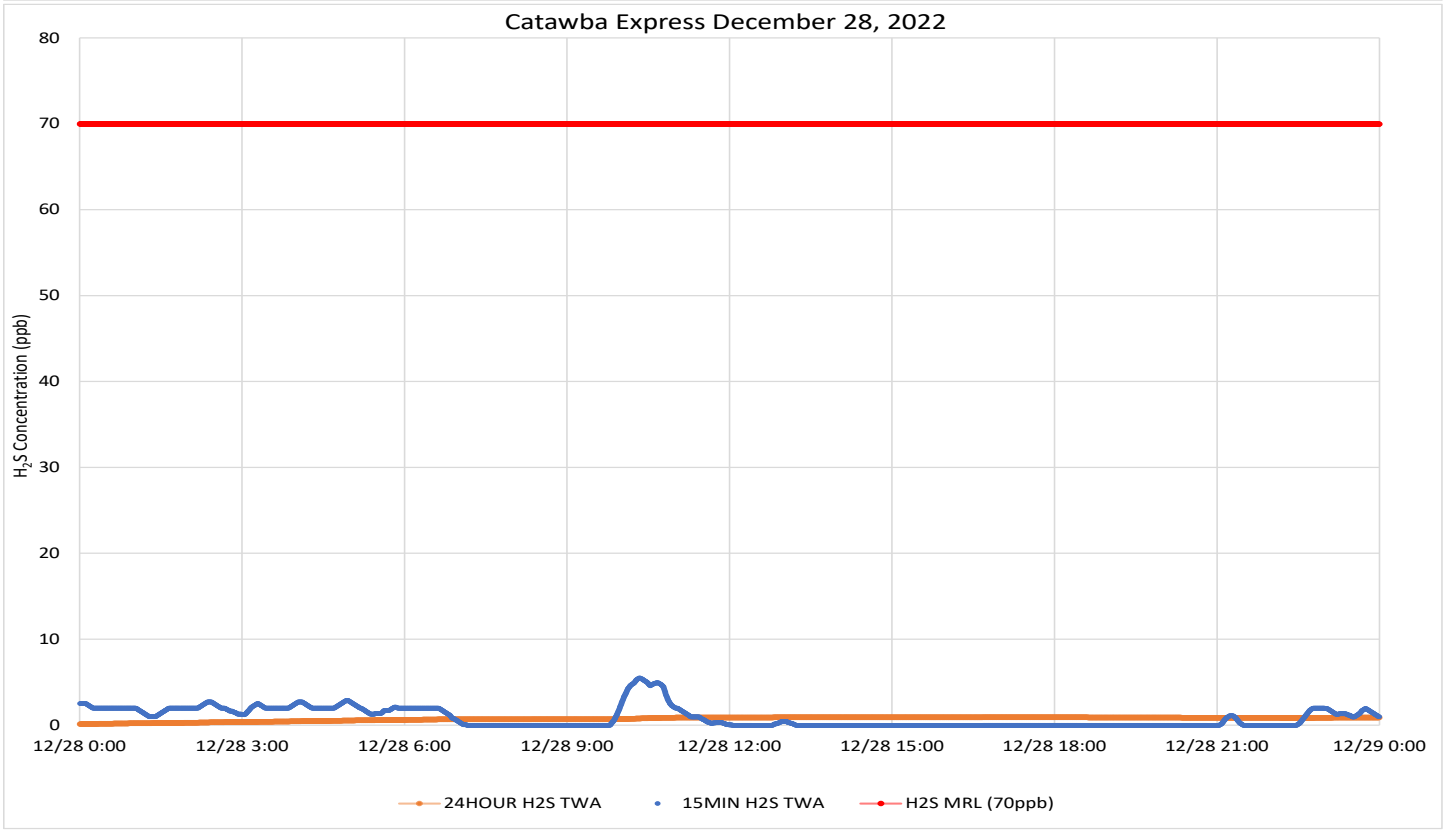


H_2S in South Carolina

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

Winds were mostly calm during this period (17 of 24 hours). When detected midday, winds came from the south to 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: **12/29/22 12:00 AM** ***To:*** **12/29/22 11:59 PM**

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	454	0 - 3 ppb	0.24 ppb	70 ppb

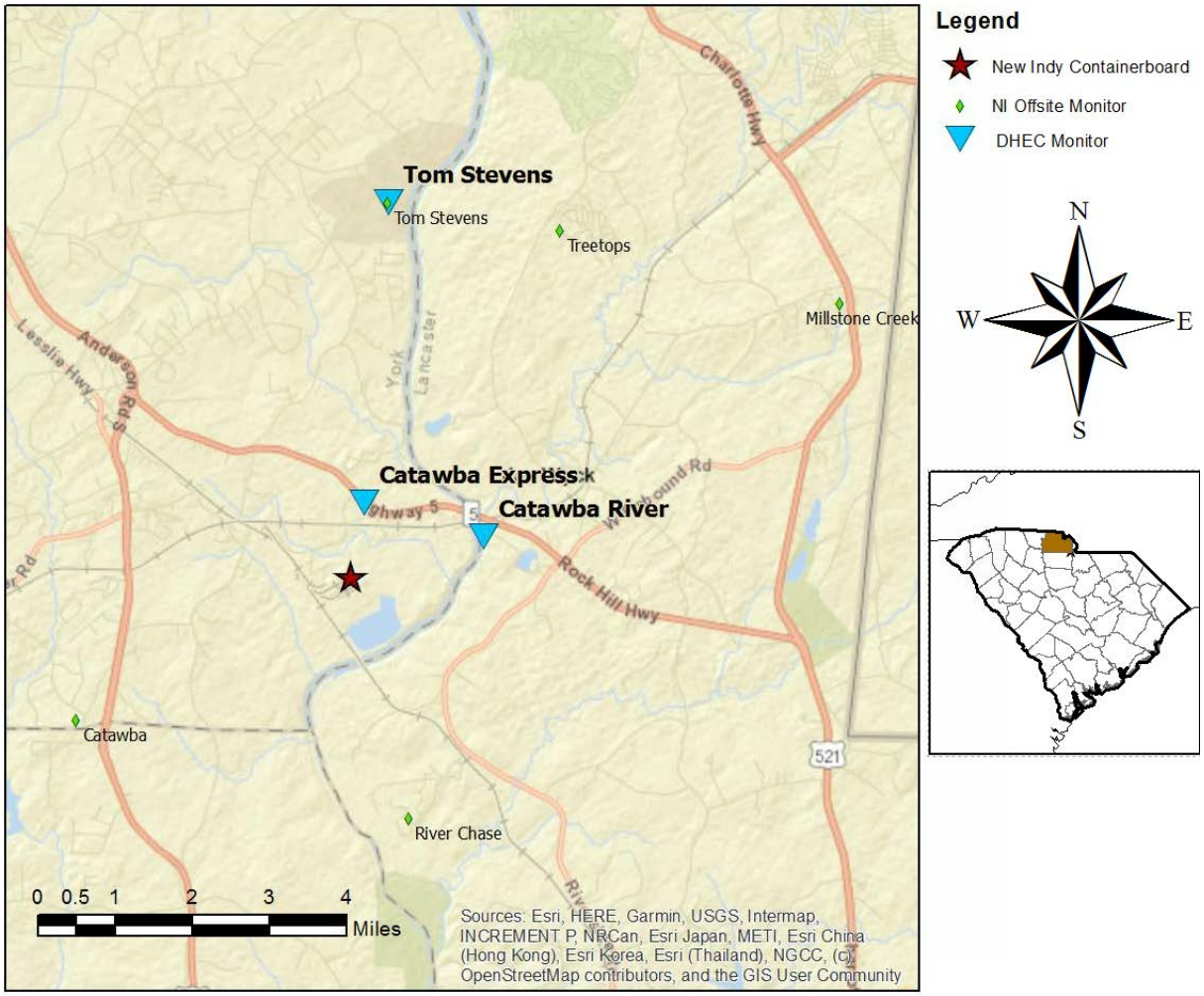
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	810	0 - 4 ppb	0.49 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.

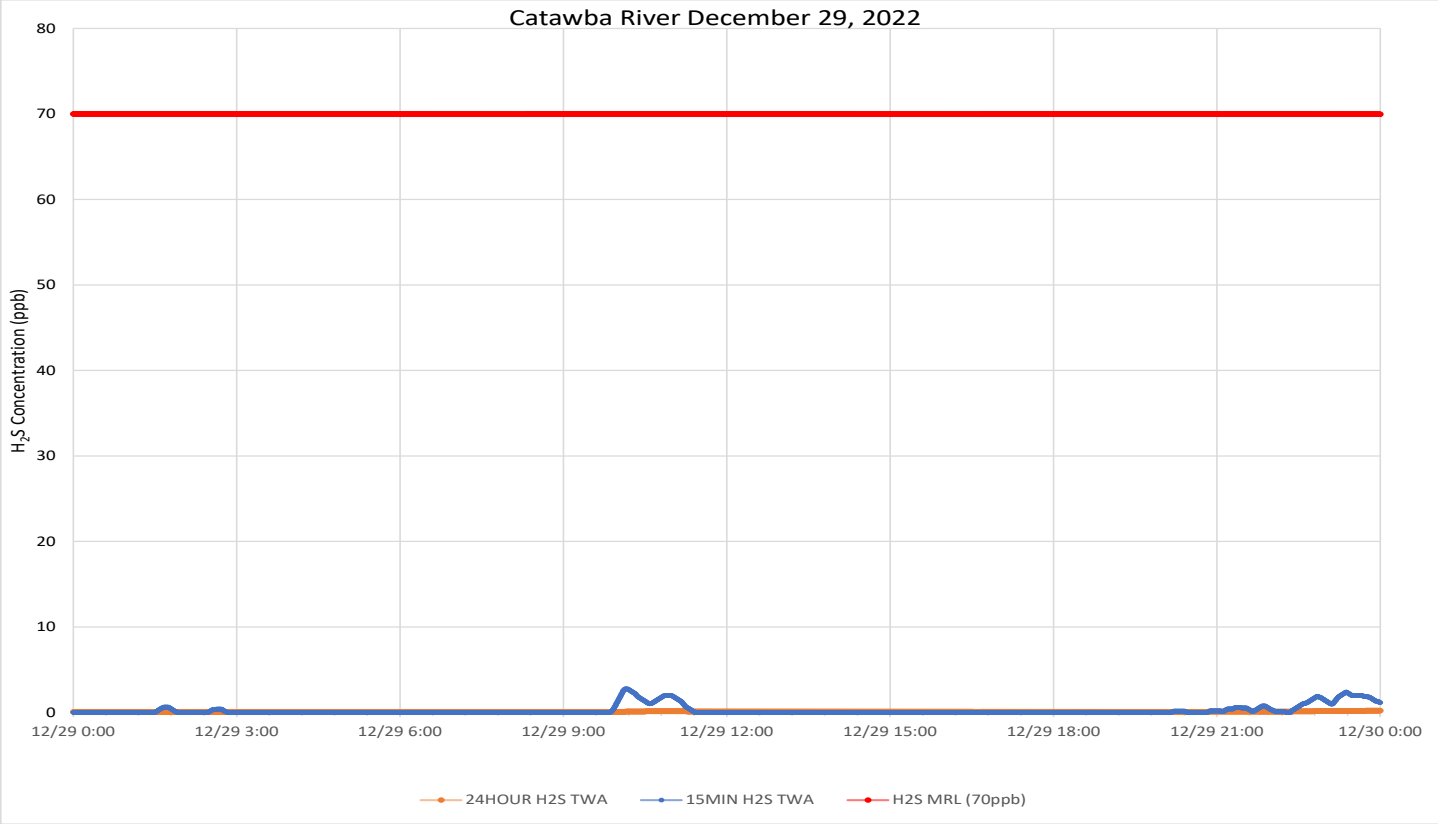
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

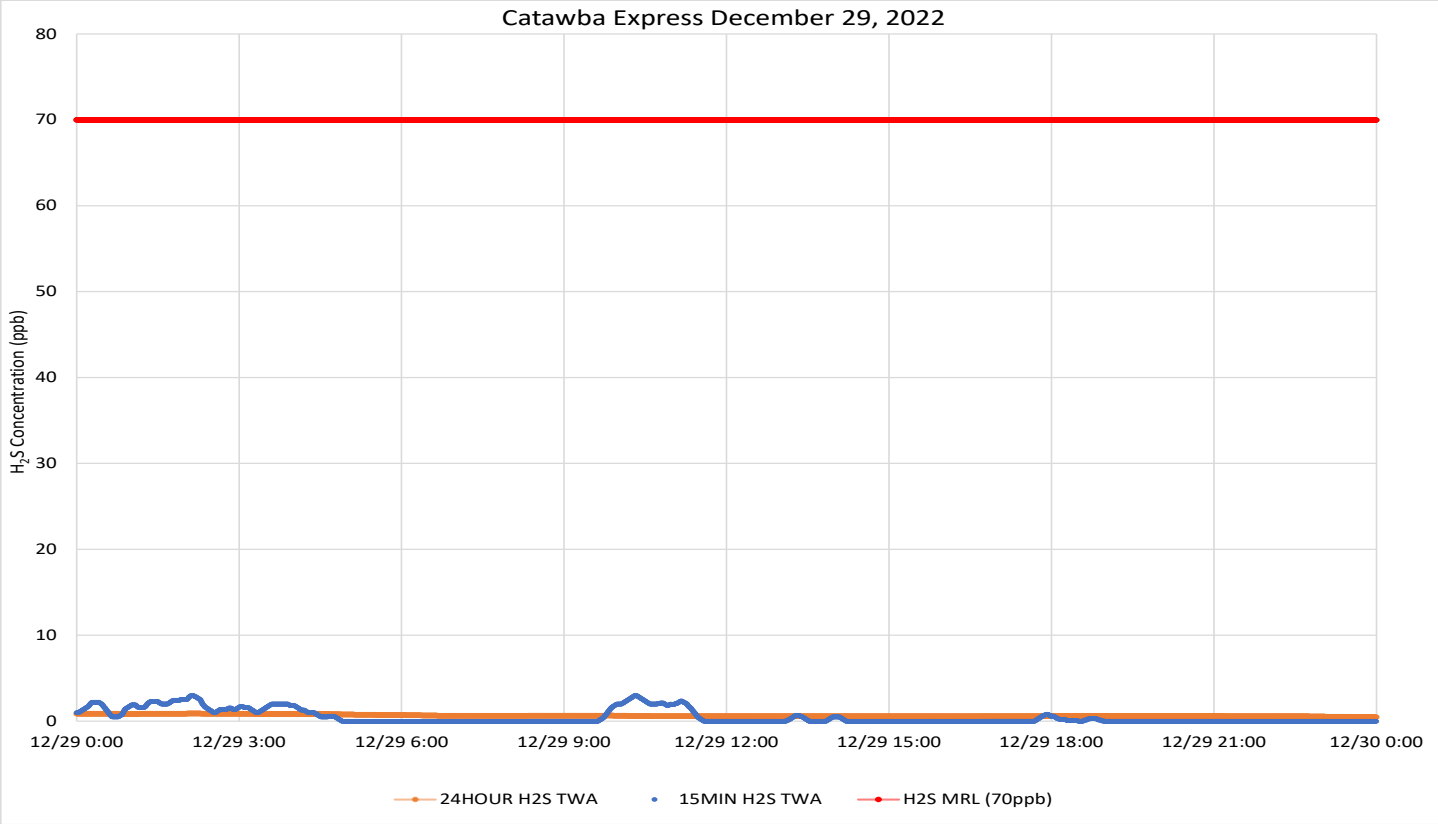


H_2S in South Carolina

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

Winds were mostly calm during this period (17 of 24 hours). When detected midday, winds came from the south to 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: **12/30/22 12:00 AM** ***To:*** **12/30/22 11:59 PM**

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	173	0 - 4 ppb	0.12 ppb	70 ppb

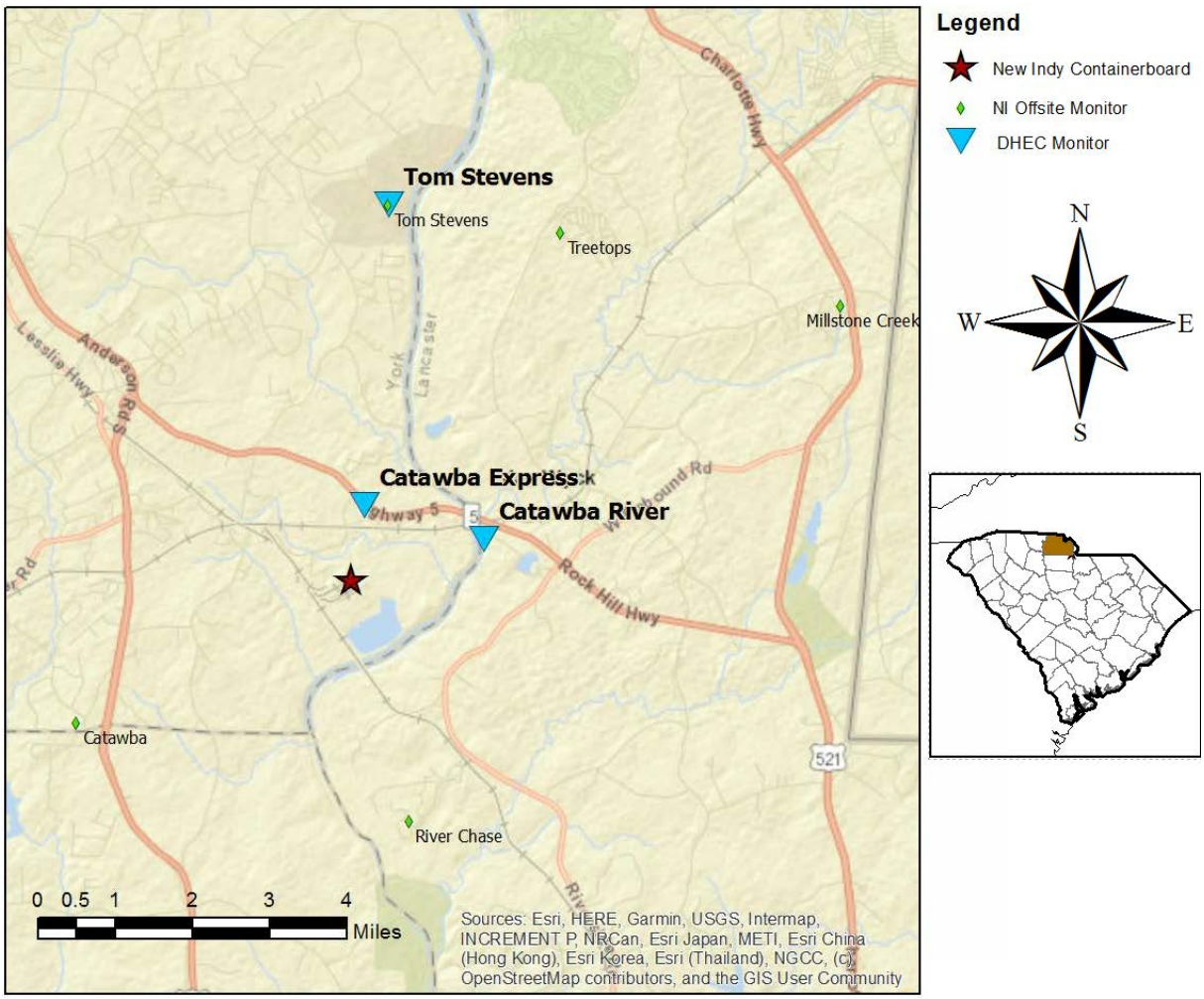
Catawba Express

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

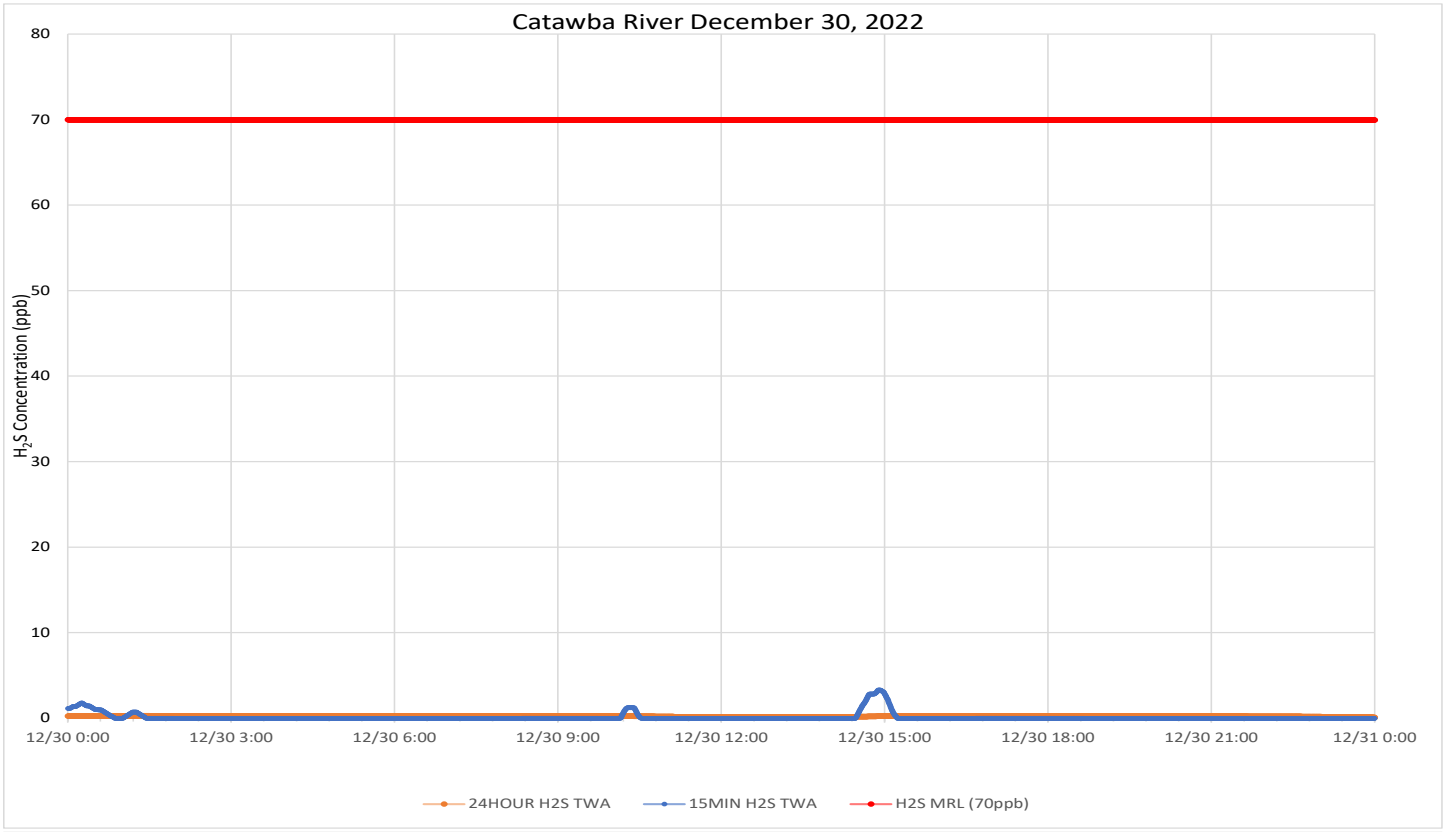
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

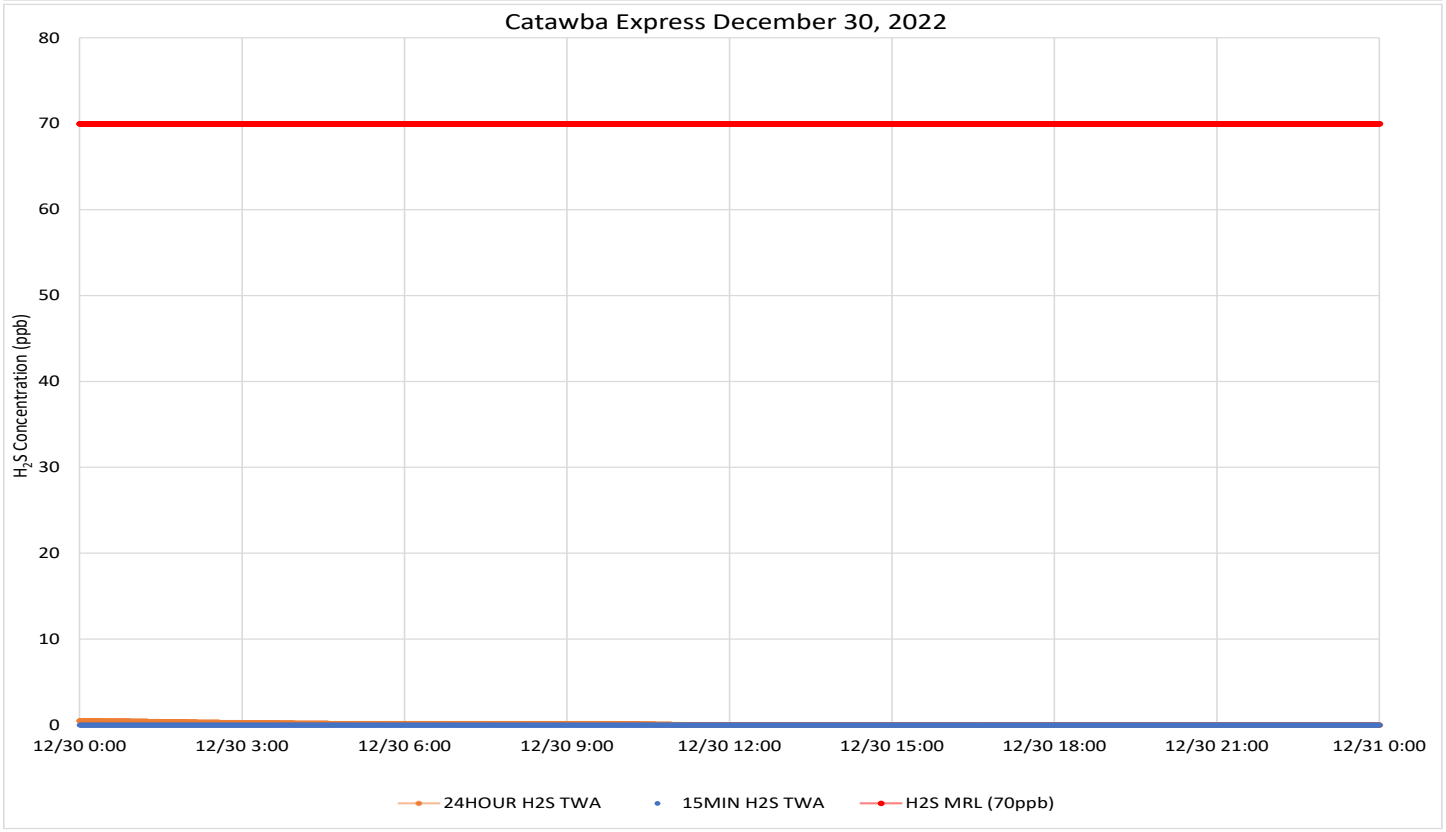


H_2S in South Carolina

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

Winds were often calm throughout this period (13 of 24 hours). When detected, winds came from the north northwest 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: **12/31/22 12:00 AM** ***To:*** **12/31/22 11:59 PM**

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	323	0 - 3 ppb	0.18 ppb	70 ppb

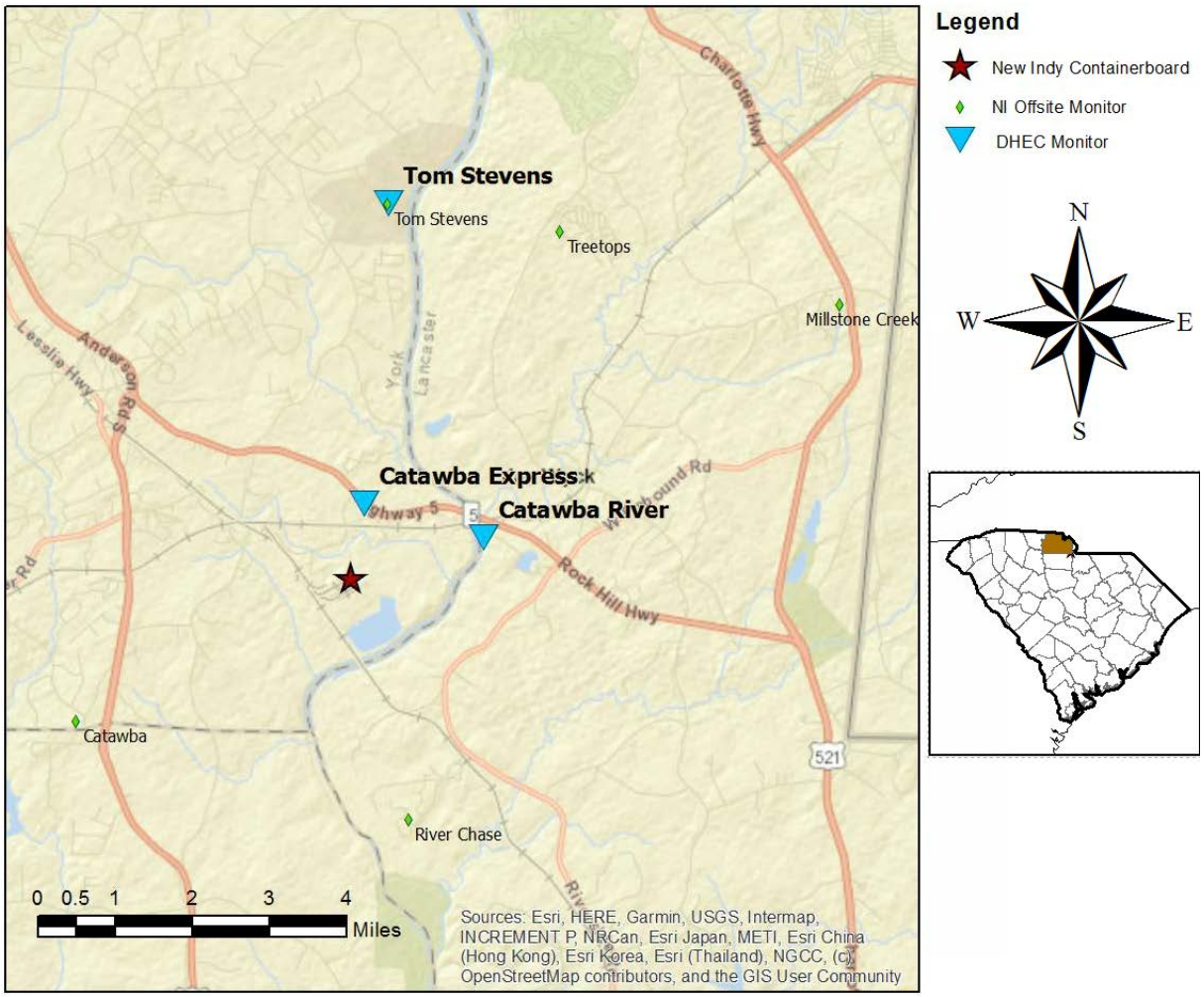
Catawba Express

Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2880	608	0 - 4 ppb	0.36 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.

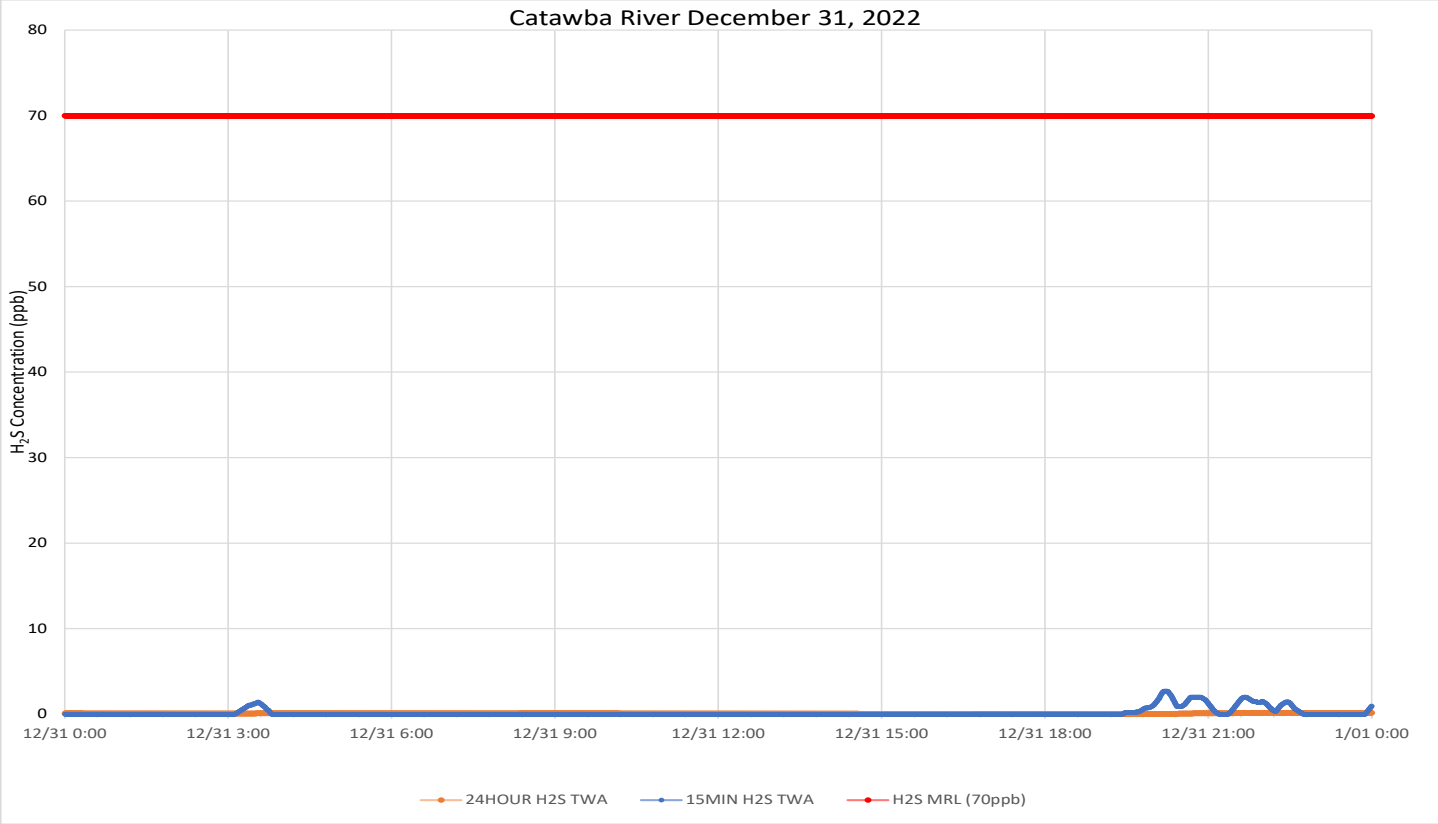
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H_2S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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

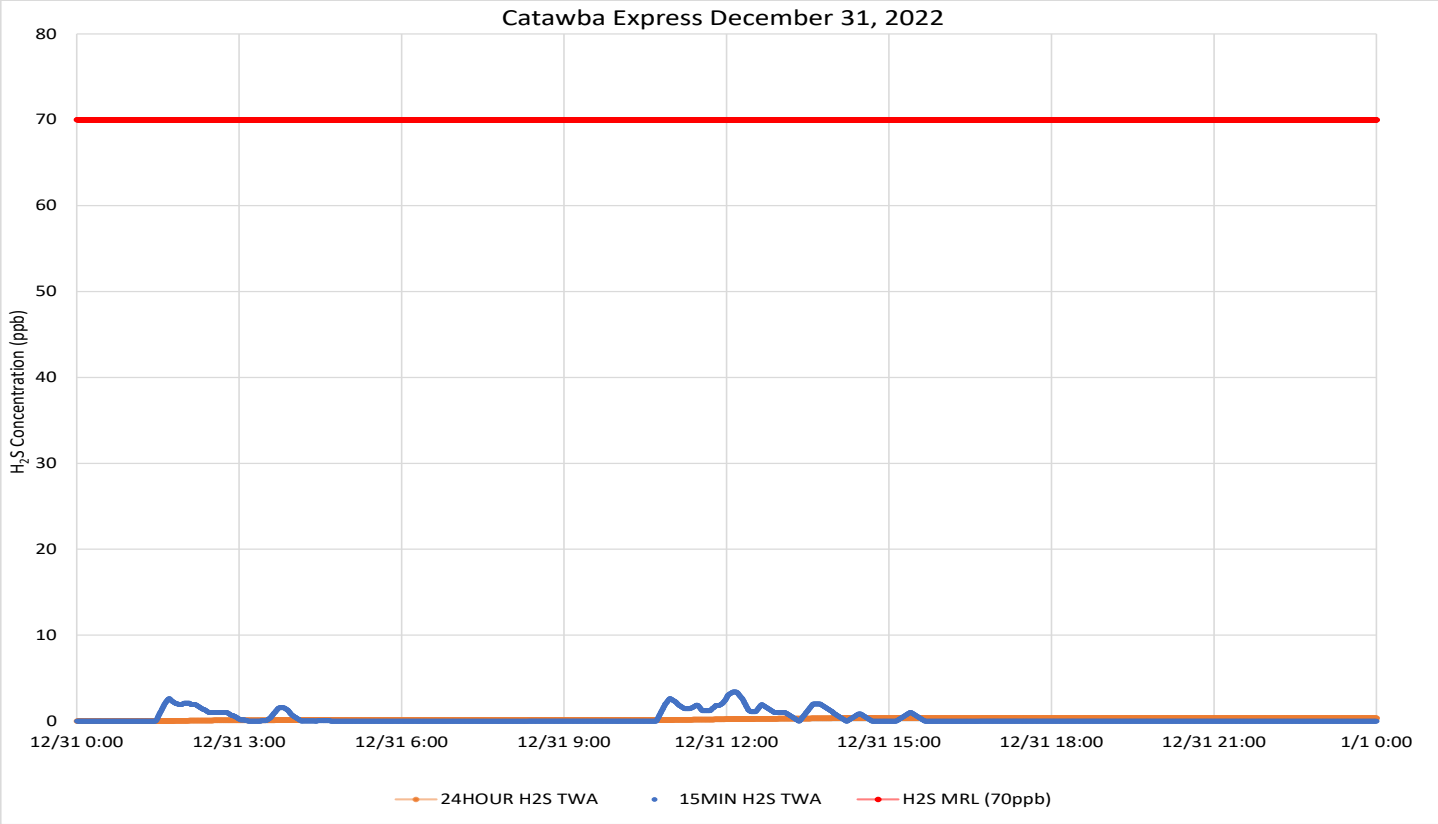


H_2S in South Carolina

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

Winds were light and variable to calm until noon, with wind generally from the north northeast. After noon, winds were from the south southwest to southwest until sundown, then from the west to west northwest.





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