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

Project Name: H₂S in South Carolina

From:	2/1/23
	12:00 AM

To:	2/1/23
	11:59 PM

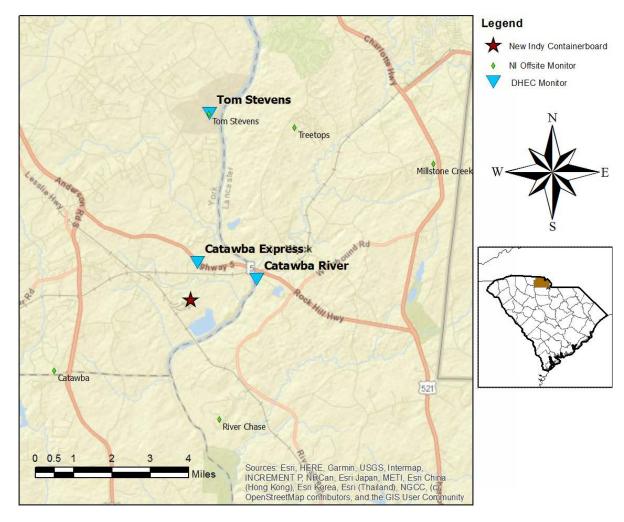


Catawba River							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
	, indigeo	Exceedance?	Readings	Detections	oonoontration nango	ronournorago	AT OBITIME
SPM Flex 3	H2S	No	13249	6220	0 - 21 ppb	2.11 ppb	70 ppb

Catawba Express							
Instrument	Analyte ATSDR MRL	Number of	Number of	Concentration Range	Period Average	AT SDR MRL	
Instrument Analyte	Exceedance?	Readings	Detections	concentration Range	T CHOU ATCHUge	AT SDIVINICE	
SPM Flex 2	H2S	No	2875	0	0 - 0 ppb	0 ppb	70 ppb

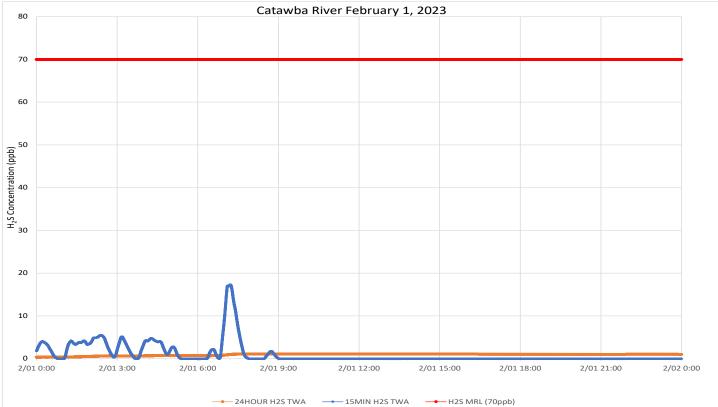
Notes:

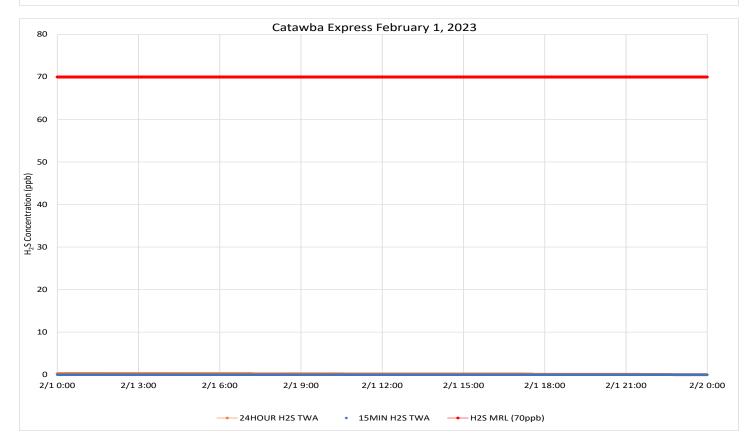
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Wind was variable and light to calm throughout the period. Before dawn wind was from the south southwest to west southwest, and the rest of the day into the evening, from the north northeast to east.





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

Project Name: H₂S in South Carolina

From:	2/2/23
	12:00 AM

To:	2/2/23
	11:59 PM

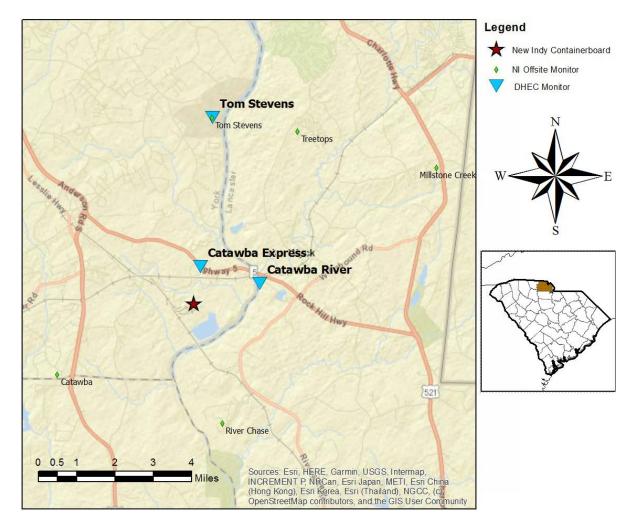


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	599	0 - 5 ppb	0.32 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	700	0 - 14 ppb	0.69 ppb	70 ppb

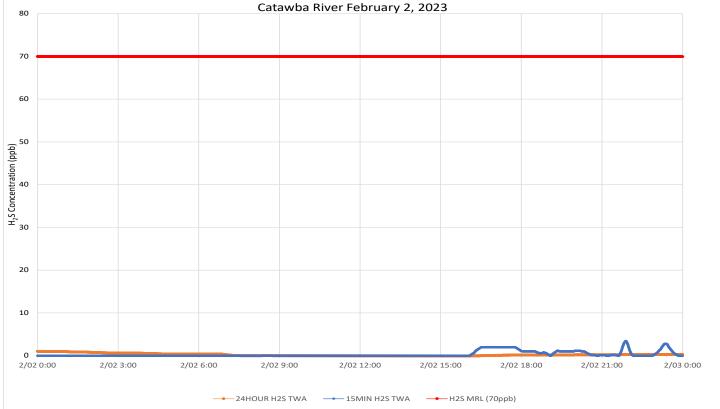
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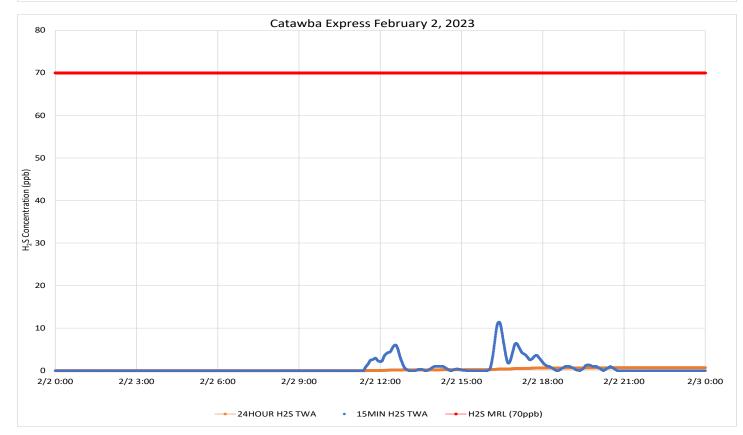
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Wind was variable and light to calm throughout the period. In the morning, when detected, wind was from the north northeast to south southeast. After noon, it was calm with only one indication of some air movement from the west.





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

Project Name: H₂S in South Carolina

From:	2/3/23
	12:00 AM

To:	2/3/23
	11:59 PM

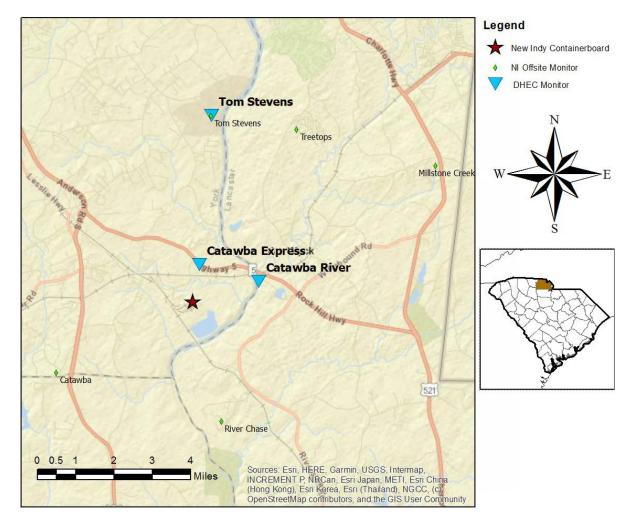


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	14653	101	0 - 4 ppb	0.01 ppb	70 ppb	

Catawba Express								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 2	H2S	No	3727	0	0 - 0 ppb	0 ppb	70 ppb	

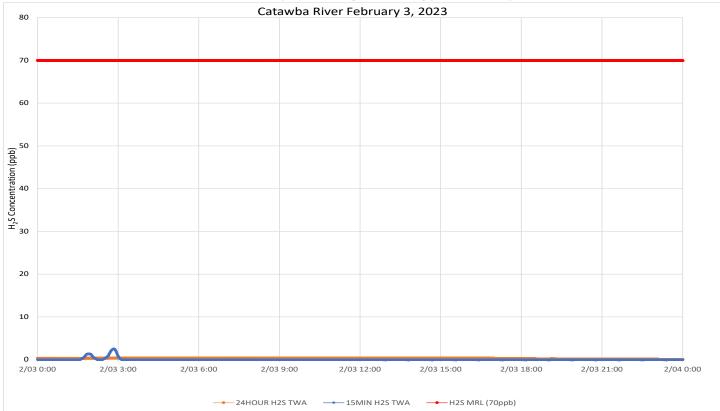
Notes:

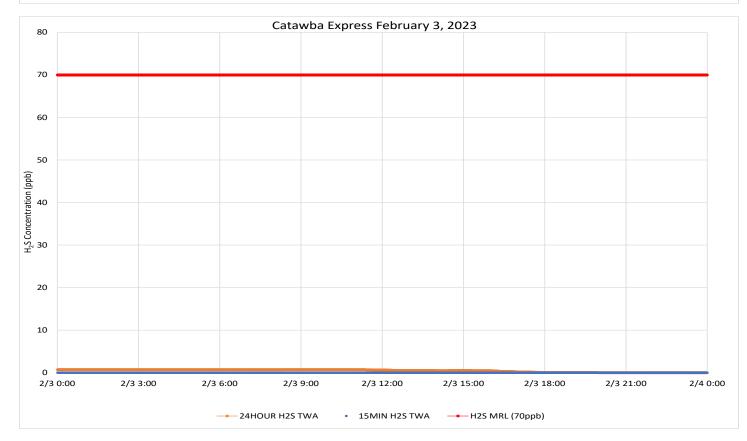
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Wind direction varied widely during the period, beginning the early morning from the west southwest, coming from the north northeast to northwest most of the day, and ending the evening predominantly from the north northeast.





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

Project Name: H₂S in South Carolina

From:	2/4/23
	12:00 AM

To:	2/4/23
	11:59 PM

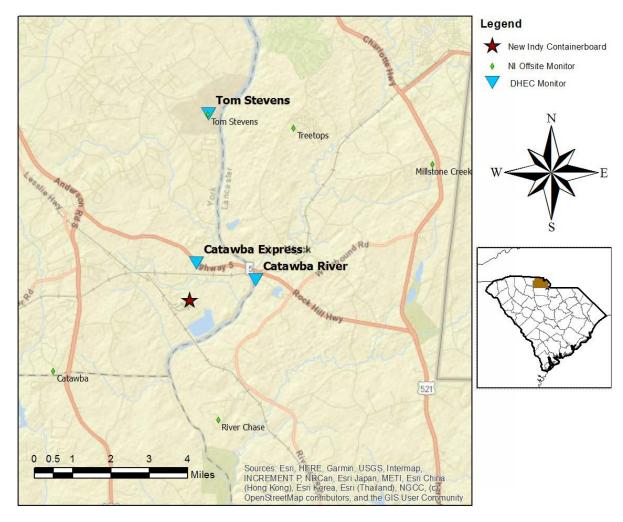


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	27554	0	0 - 0 ppb	0 ppb	70 ppb	

Catawba Express								
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL	
		Exceedance?	Readings	Detections	v			
SPM Flex 2	H2S	No	2881	485	0 - 8 ppb	0.71 ppb	70 ppb	

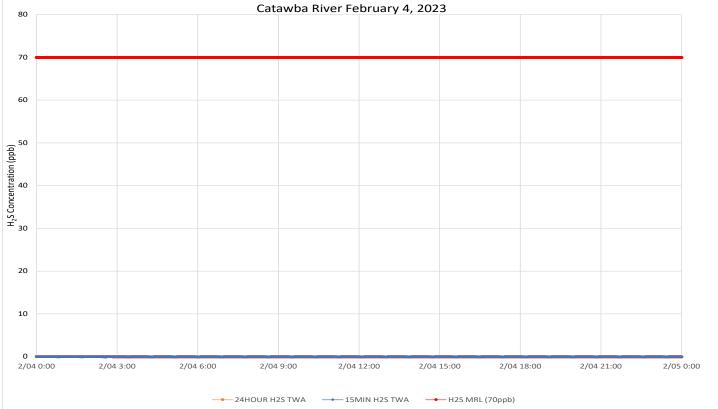
Notes:

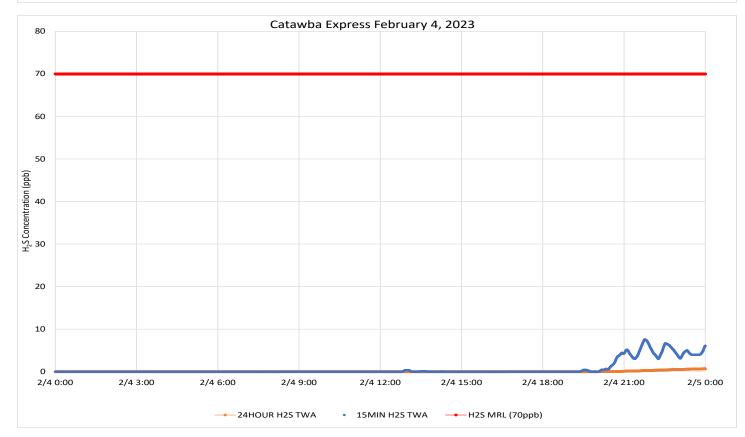
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Wind direction varied widely during the period, beginning the early morning from the northeast, then briefly from the southeast, and from the south in the evening and overnight. Winds were calm intermittently throughout the period.





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

Project Name: H₂S in South Carolina

From:	2/5/23
	12:00 AM

To:	2/5/23
	11:59 PM

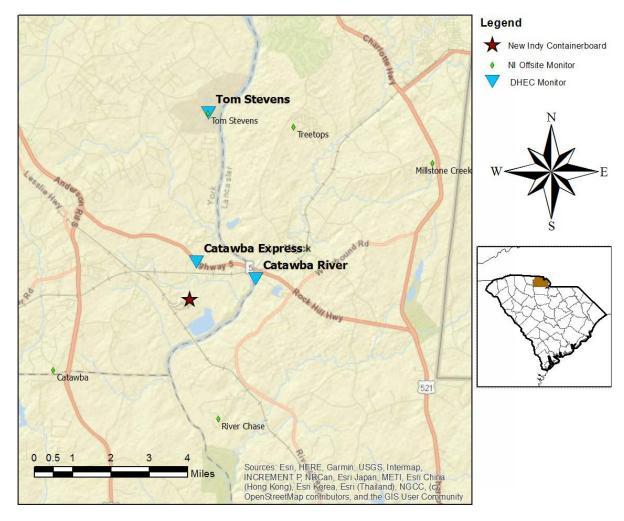


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	27556	6510	0 - 19 ppb	0.9 ppb	70 ppb	

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	1299	0 - 7 ppb	0.99 ppb	70 ppb	

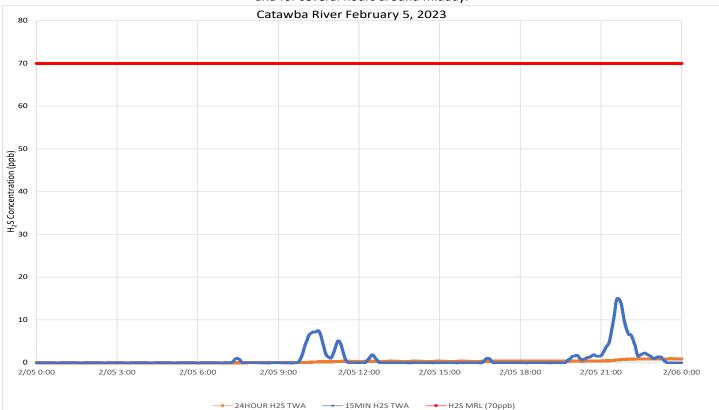
Notes:

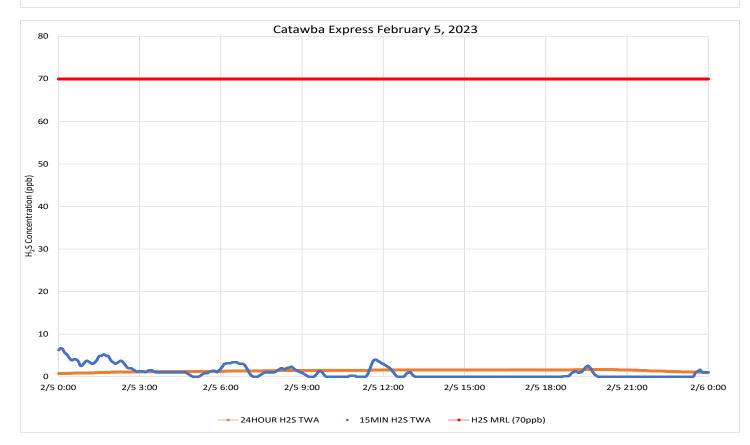
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days) Hydrogen Sulfide
H ₂ S hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average
	The weighted Average



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

Wind was from the south to southwest with the exception of several short calms, most significantly in the hours before dawn and for several hours around midday.





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

Project Name: H₂S in South Carolina

From:	2/6/23
	12:00 AM

To:	2/6/23
	11:59 PM

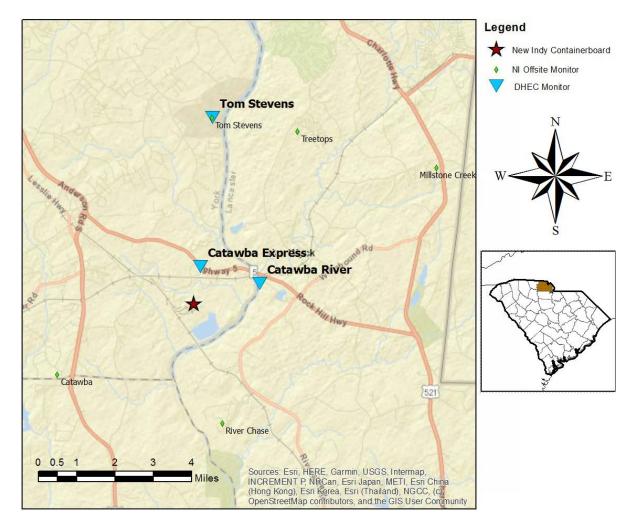


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27538	7378	0 - 5 ppb	0.57 ppb	70 ppb

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	1024	0 - 12 ppb	0.93 ppb	70 ppb

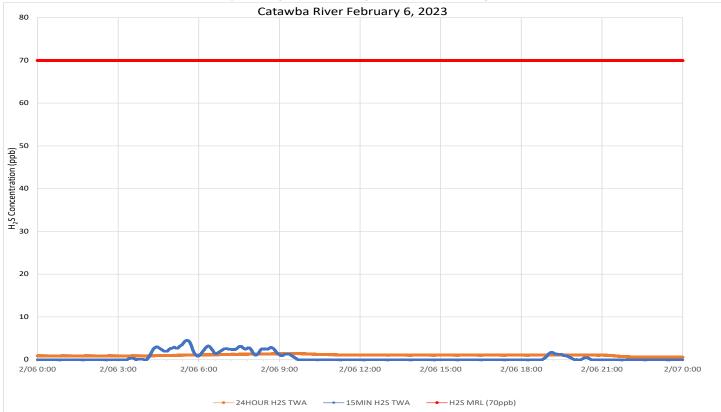
Notes:

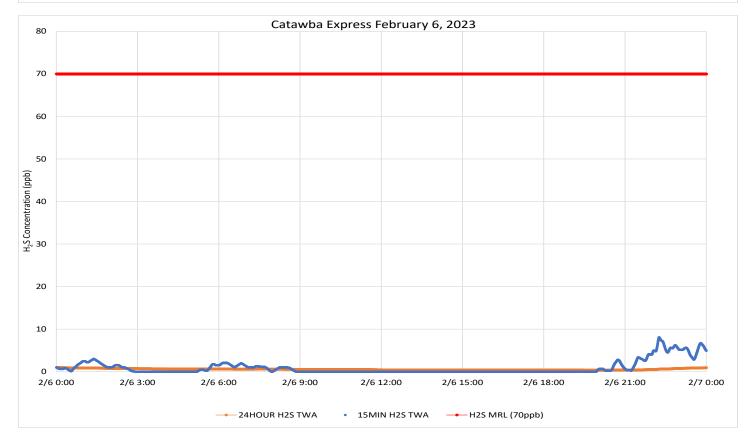
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds shifted from the southwest to coming from the north in the early morning hours. It continued coming from the north to northwest until early evening, when wind again shifted to coming from the southwest.





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

Project Name: H₂S in South Carolina

From:	2/7/23
	12:00 AM

To:	2/7/23
	11:59 PM

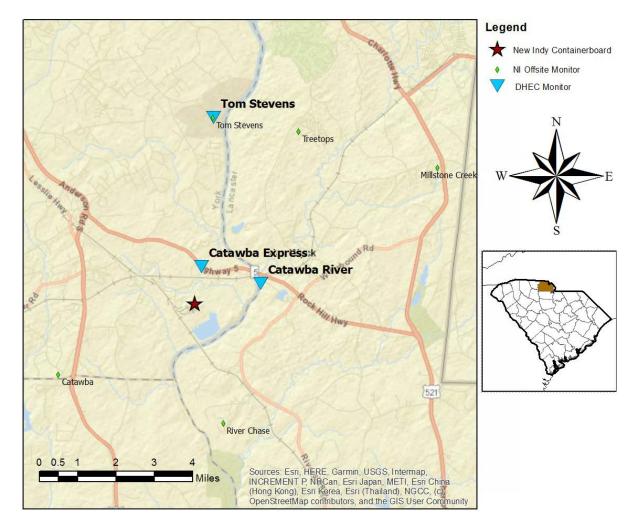


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27557	2465	0 - 11 ppb	0.26 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	3729	1428	0 - 19 ppb	2.31 ppb	70 ppb

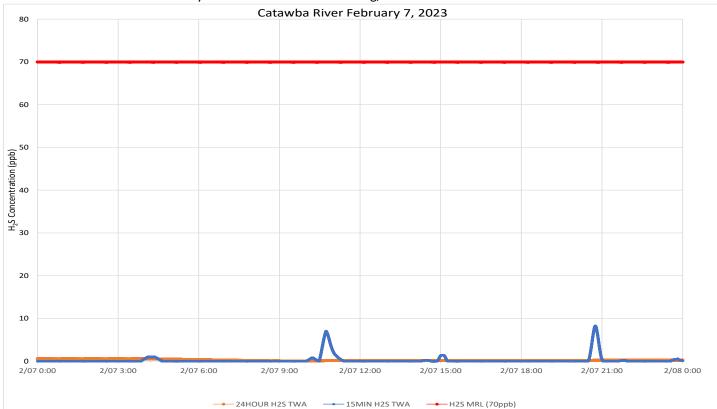
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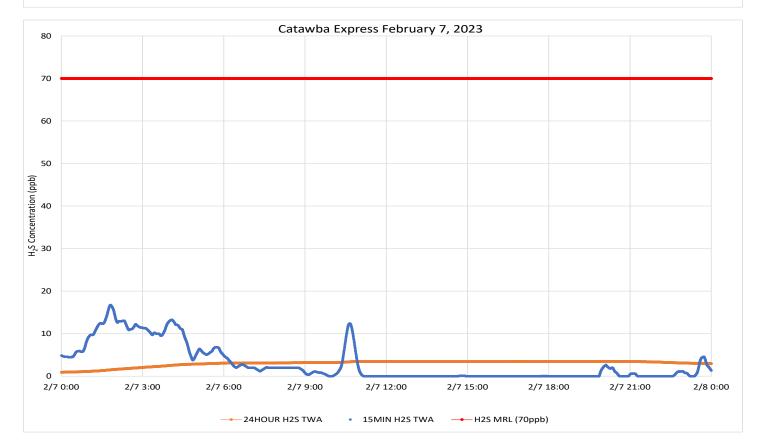
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were calm to midday. In the afternoon into evening, winds were from the south southwest to southwest.





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

Project Name: H₂S in South Carolina

From:	2/8/23
	12:00 AM

To:	2/8/23
	11:59 PM

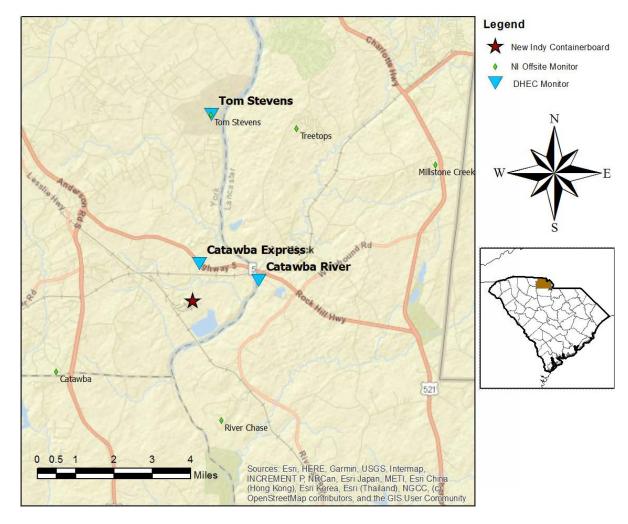


Catawba River							
Instrument Analyte		ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
matument	Analyte	Exceedance?	Readings	Detections	concentration Range	Fellou Average	AT 3DIC MILE
SPM Flex 3	H2S	No	27541	8830	0 - 4 ppb	0.51 ppb	70 ppb

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	1599	0 - 30 ppb	4.23 ppb	70 ppb

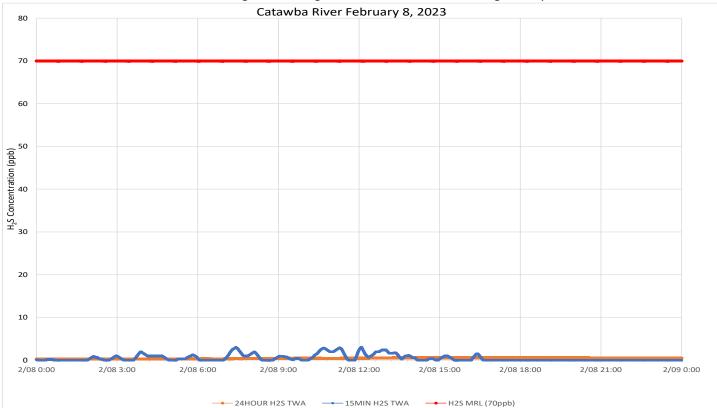
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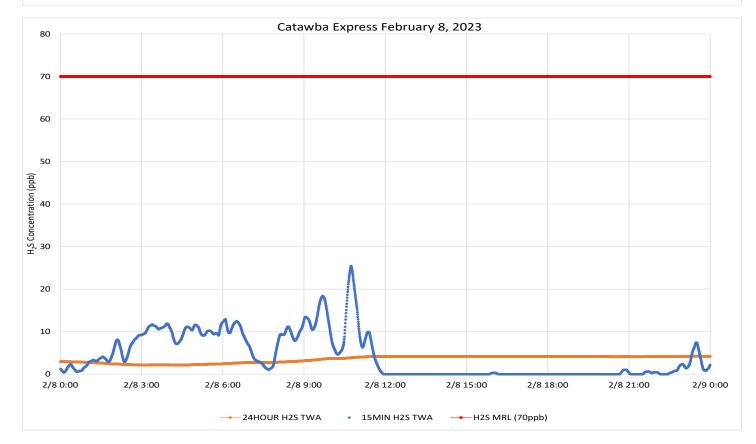
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were calm for much of the morning and evening. When detected, winds were generally from the south to southwest.





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

Project Name: H₂S in South Carolina

From:	2/9/23
	12:00 AM

To:	2/9/23
	11:59 PM

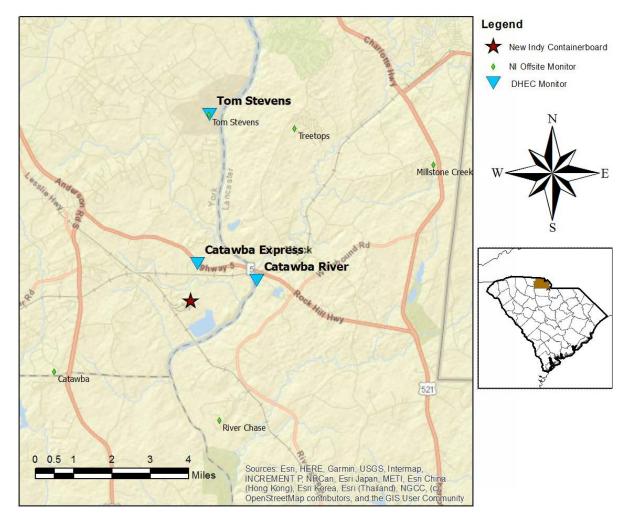


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	27567	8147	0 - 24 ppb	1.23 ppb	70 ppb	

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	3471	1940	0 - 15 ppb	2.09 ppb	70 ppb

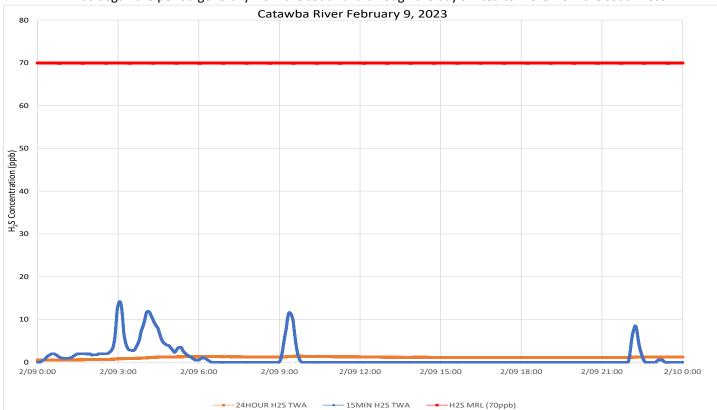
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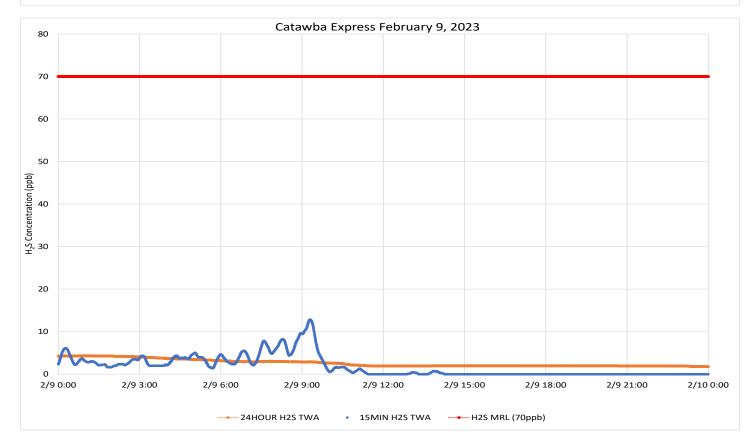
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds began the period generally from the south and through the day shifted to more from the southwest.





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

Project Name: H₂S in South Carolina

From:	2/10/23
	12:00 AM

To:	2/10/23
	11:59 PM

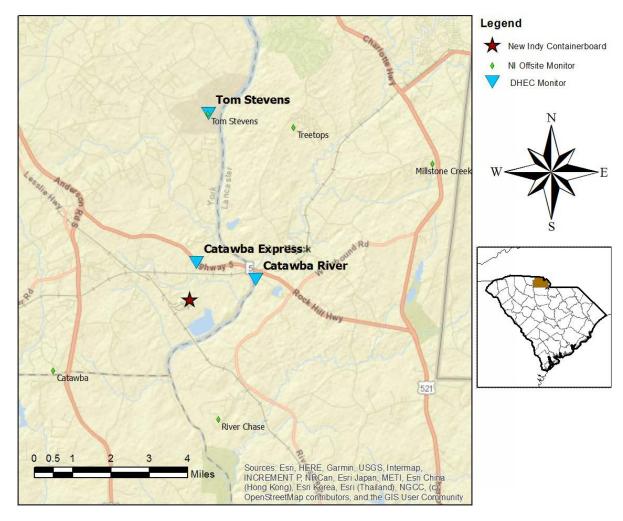


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	AT SDR MRL
SPM Flex 3	H2S	No	17587	5885	0 - 18 ppb	1.09 ppb	70 ppb

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	25	0 - 2 ppb	0.01 ppb	70 ppb

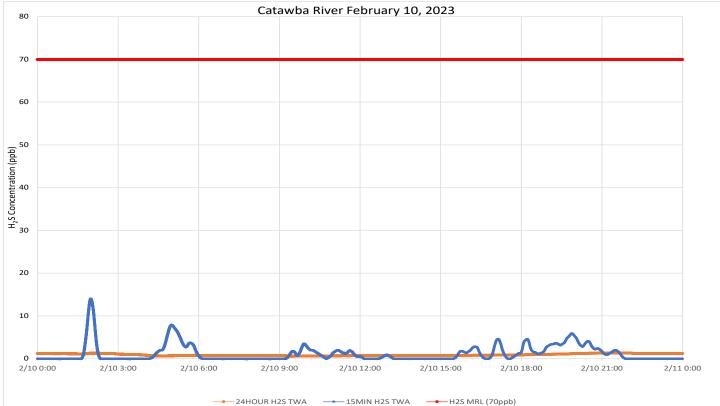
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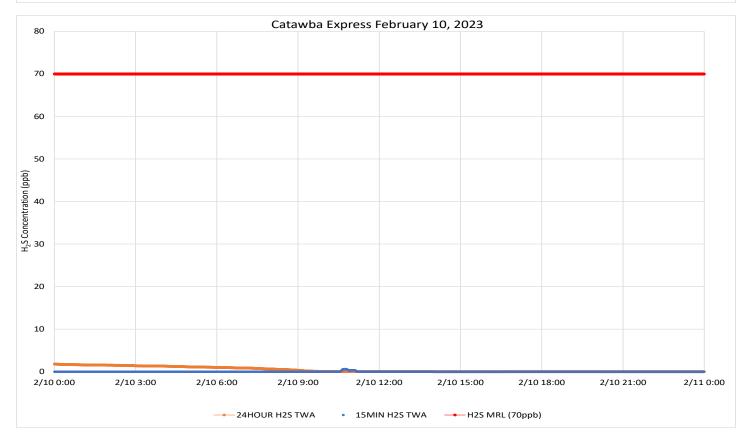
ATSDR MRL H₂S	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days) Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted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



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

Winds were from the south southwest early, shifting to from the west southwest before dawn, varying between the south and west for most of the remainder of the period, but ending the late evening coming from the north to northeast.





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

Project Name: H₂S in South Carolina

From:	2/11/23
	12:00 AM

To:	2/11/23
	11:59 PM

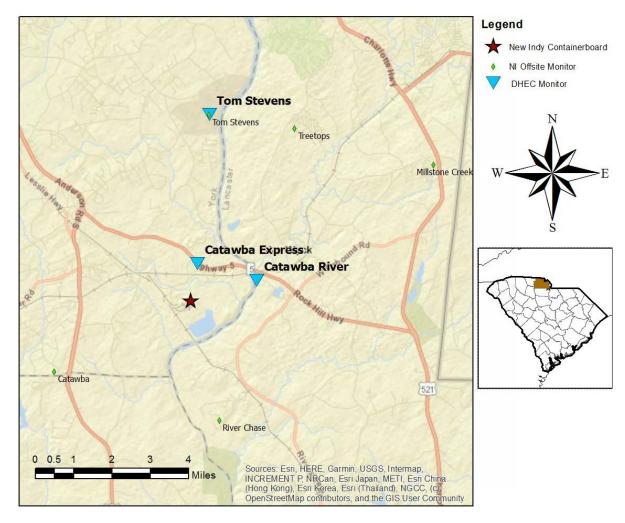


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2881	0	0 - 0 ppb	0 ppb	70 ppb

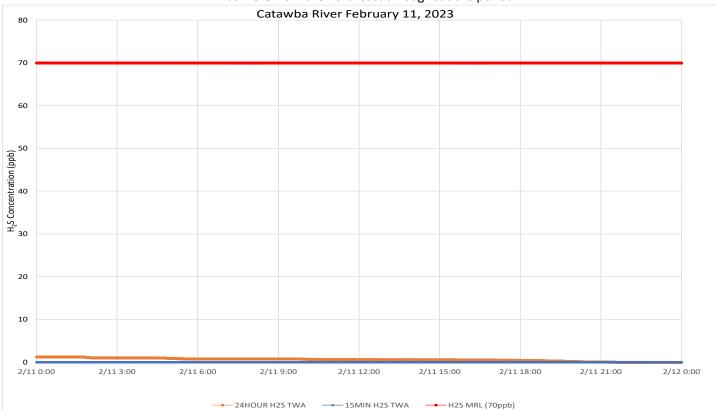
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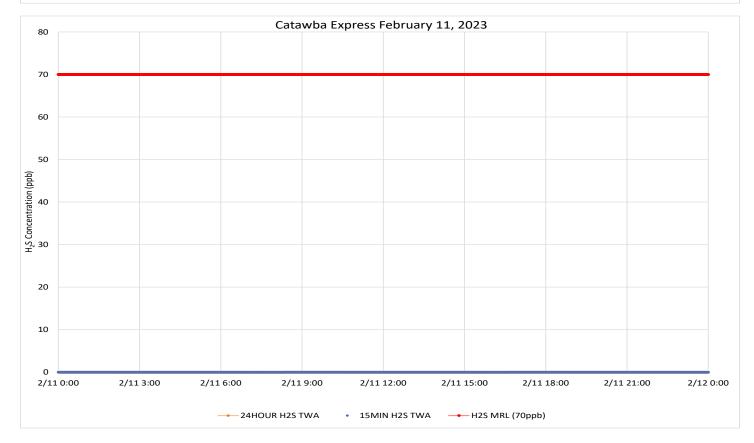
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were from the northeast throughout the period..





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

Project Name: H₂S in South Carolina

From:	2/12/23
	12:00 AM

To:	2/12/23
	11:59 PM

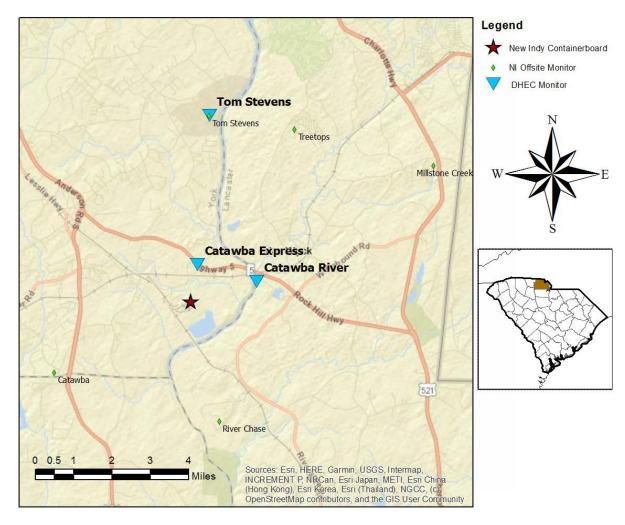


Catawba River							
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
instrument		Exceedance?	Readings	Detections			
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

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

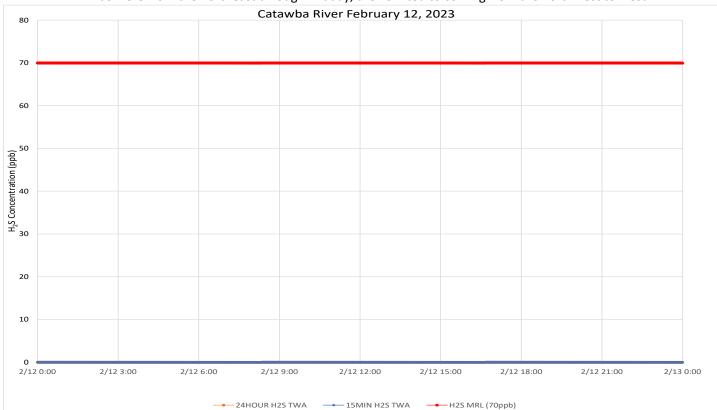
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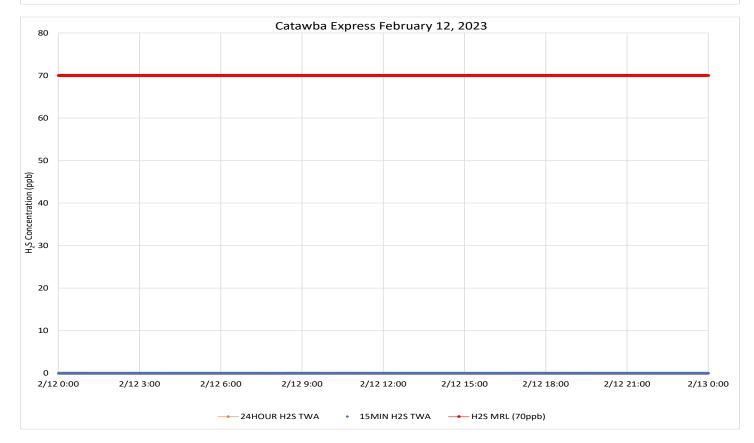
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were from the northeast through midday, then shifted to coming from the northwest to west.





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

Project Name: H₂S in South Carolina

From:	2/13/23
	12:00 AM

To:	2/13/23
	11:59 PM

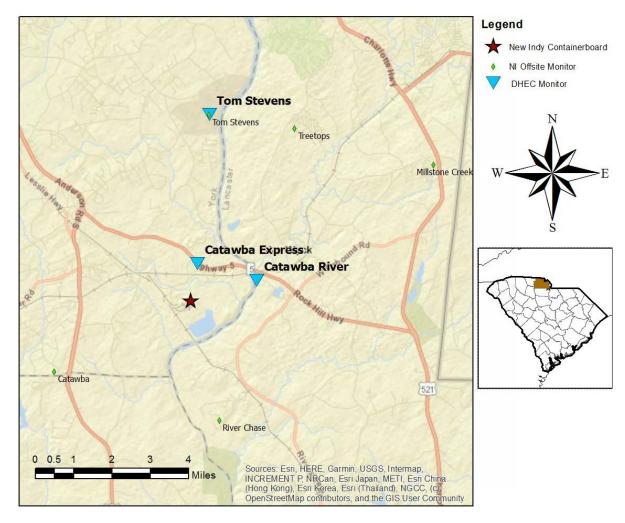


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	1269	0 - 5 ppb	0.79 ppb	70 ppb

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	325	0 - 9 ppb	0.4 ppb	70 ppb

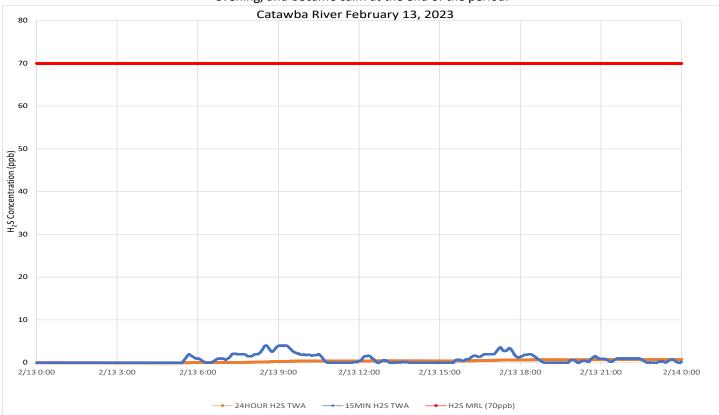
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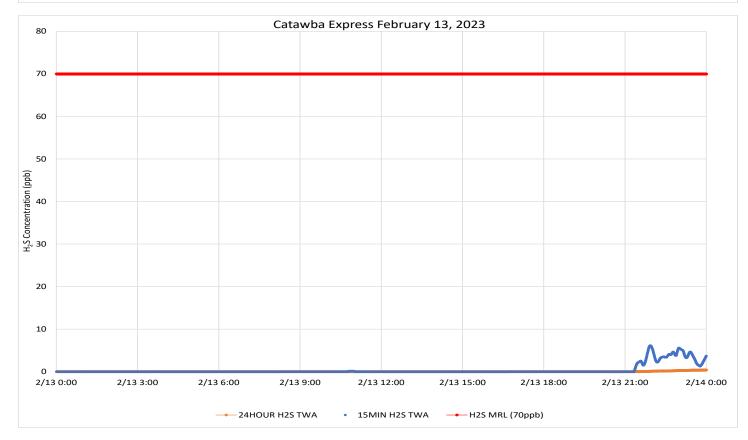
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were generally from the west northwest until daybreak, shifted to more from the west to southwest through the evening, and became calm at the end of the period.





Several very short data gaps were seen during this period. Catawba River- 7 minutes starting 1737 and two periods at Catawba Express: 3 minutes starting 1955 and 6 minutes starting 2113. All data in the summary table 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 ₂ S in South Carolina			
From:	2/14/23	To:	2/14/23	N dhec
	12:00 AM		11:59 PM	

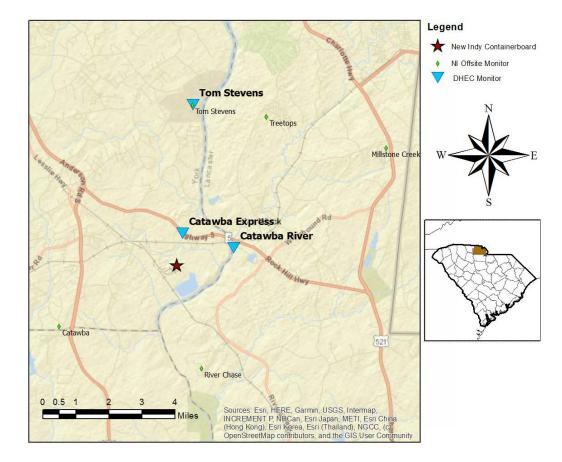
Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2866	875	0 - 21 ppb	0.92 ppb	70 ppb

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Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	3252	1932	0 - 29 ppb	3.43 ppb	70 ppb

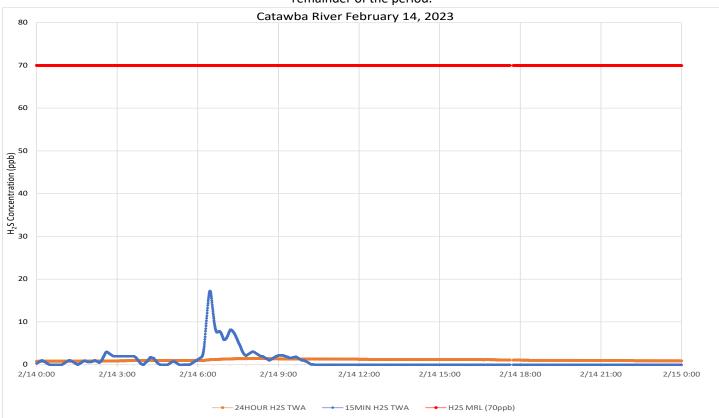
Notes:

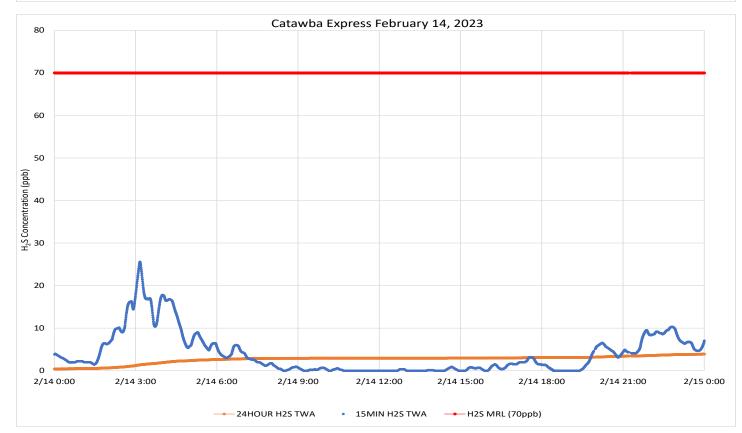
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were generally calm through midmorning then became more consistent from the south southeast to southwest for remainder of the period.





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

Project Name: H₂S in South Carolina

From:	2/15/23
	12:00 AM

To:	2/15/23
	11:59 PM

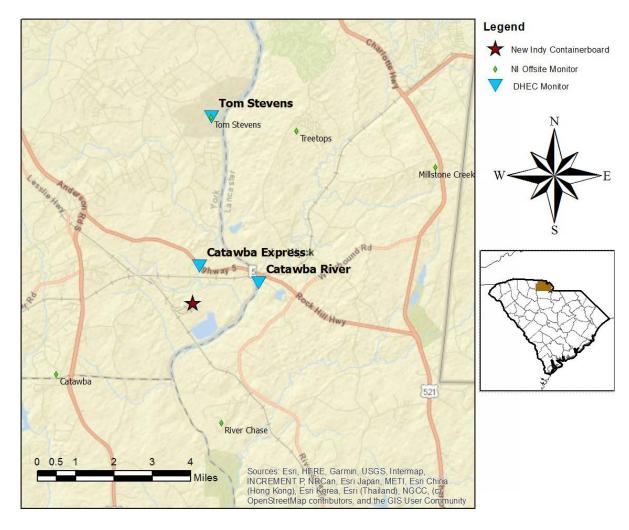


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	1014	0 - 7 ppb	0.93 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of	Number of	Concentration Range	Period Average	ATSDR MRL
CDM EL D	LIDE		Readings	Detections	0.00.1	4.02	70
SPM Flex 2	H2S	No	2880	1013	0 - 22 ppb	1.92 ppb	70 ppb

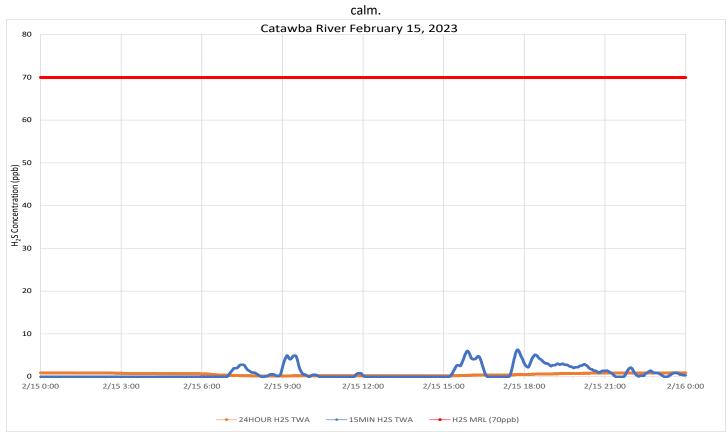
Notes:

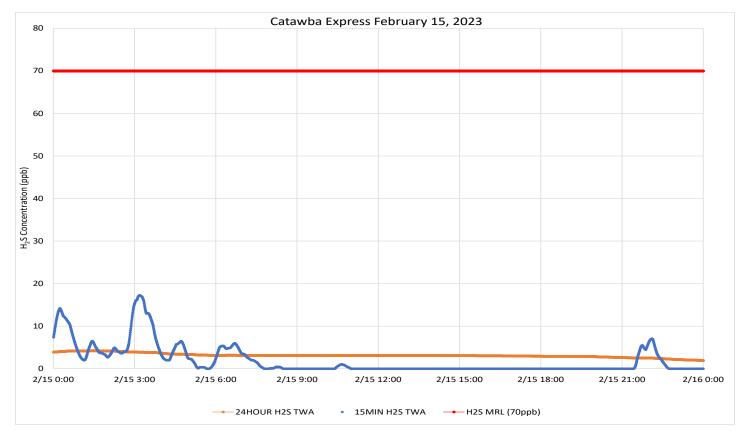
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average
TWA	Time Weighted Average



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

Winds were from the south, trending more from the south west and south southwest through sunset, when winds became





There was a 8 minute gap in data at the Catawba River site starting approximately 1037. All reported 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: H₂S in South Carolina



From: 2/16/23 12:00 AM

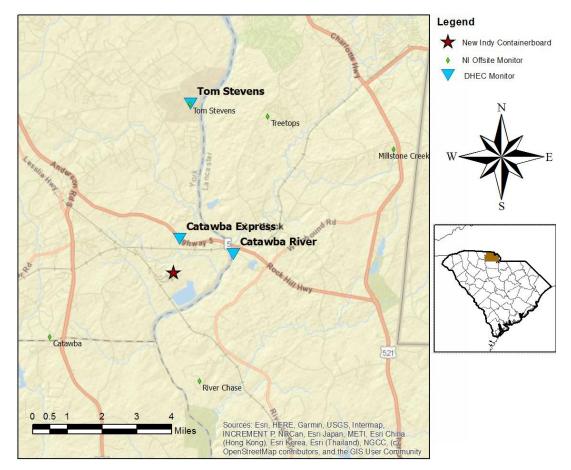
To:	2/16/23
	11:59 PM

Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2860	618	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	2876	1615	0 - 26 ppb	3.39 ppb	70 ppb

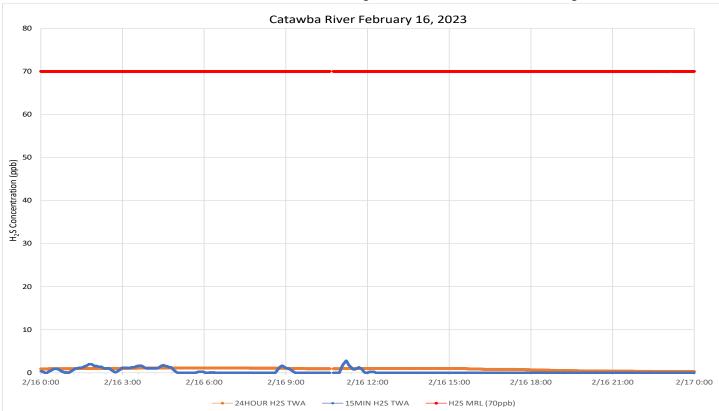
Notes:

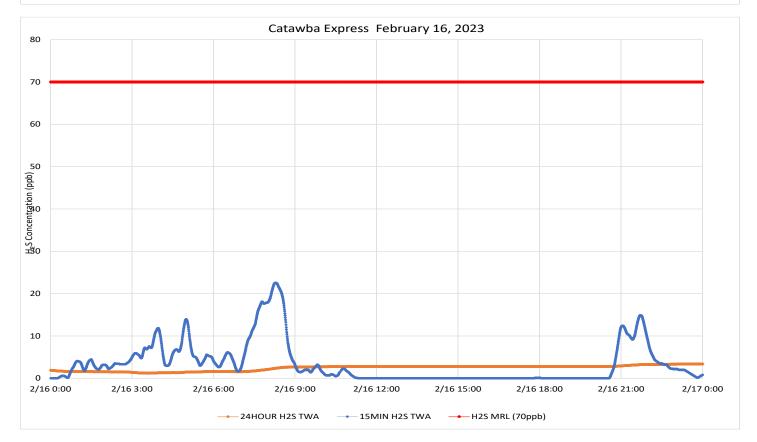
ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were from the southwest, trending more from the south around midnight.





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

Project Name: H₂S in South Carolina

From:	2/17/23
	12:00 AM

To:	2/17/23
	11:59 PM

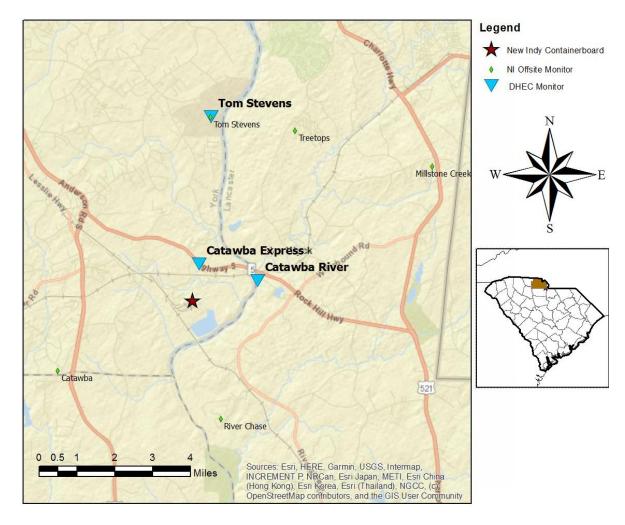


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	383	0 - 13 ppb	0.39 ppb	70 ppb

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	1046	0 - 10 ppb	1.19 ppb	70 ppb

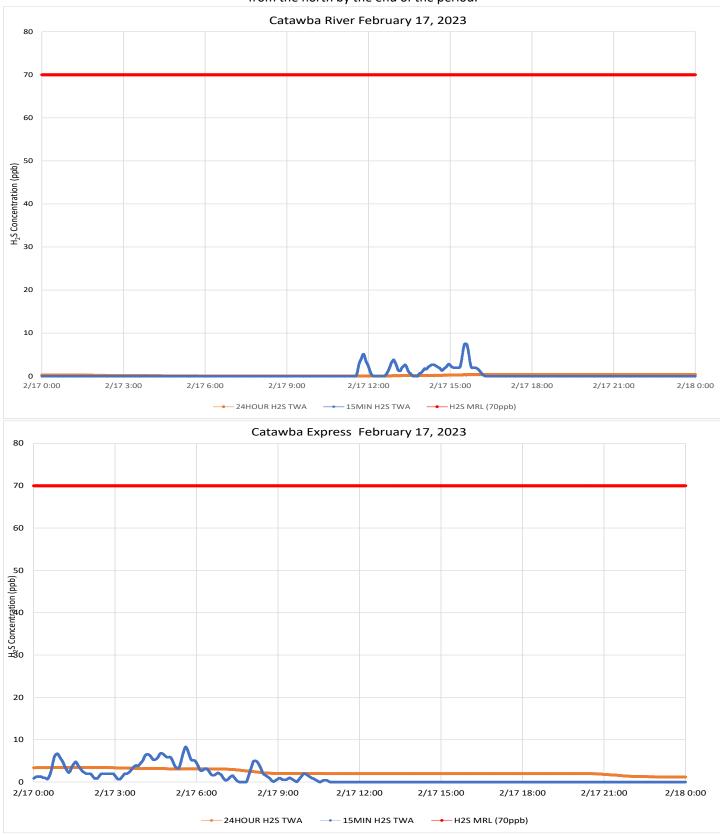
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

The period began with winds from the southwest, with a shift to from the west during the midday hours and on to coming from the north by the end of the period.



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

Project Name: H₂S in South Carolina

From:	2/18/23		
	12:00 AM		

To:	2/18/23
	11:59 PM

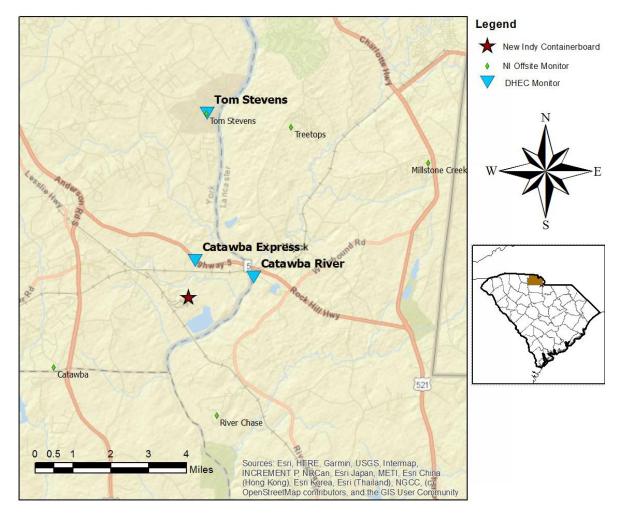


Catawba River Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	AT SDR MRL
SPM Flex 3	H2S	No	2880	0	0 - 0 ppb	0 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	AT SDR MRL
SPM Flex 2	H2S	No	2880	682	0 - 10 ppb	0.87 ppb	70 ppb

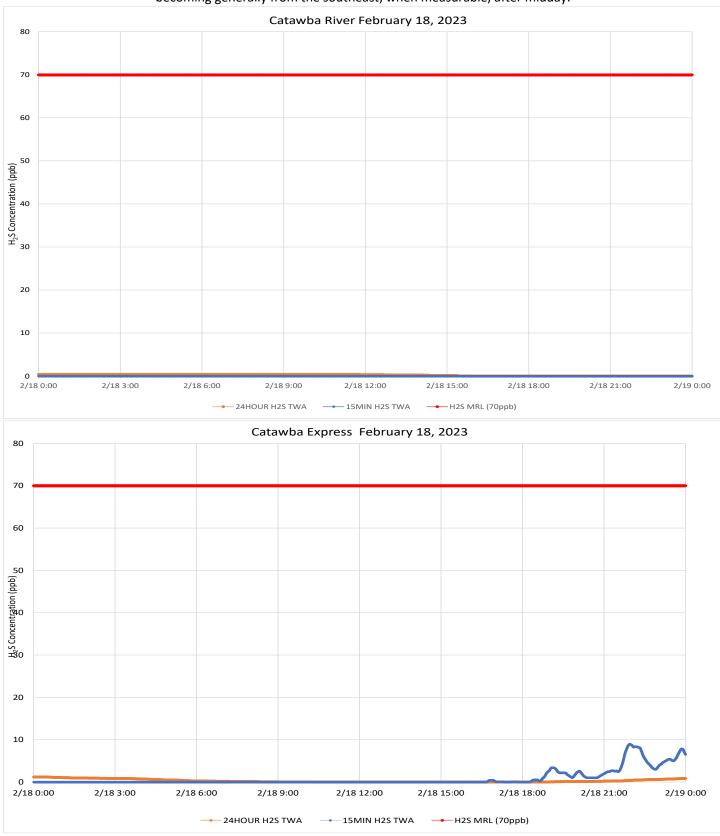
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were light and variable to calm throughout the period. After midnight, winds were from the north for several hours, becoming generally from the southeast, when measurable, after midday.



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

Project Name: H₂S in South Carolina

From:	2/19/23
	12:00 AM

To:	2/19/23
	11:59 PM

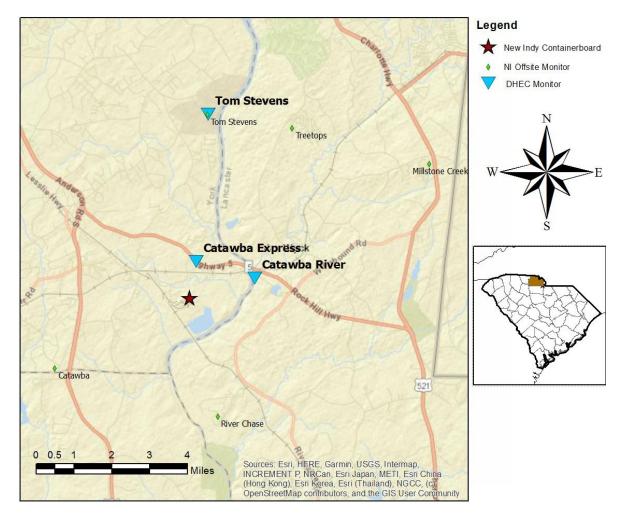


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	247	0 - 3 ppb	0.14 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2897	2021	0 - 17 ppb	3.07 ppb	70 ppb

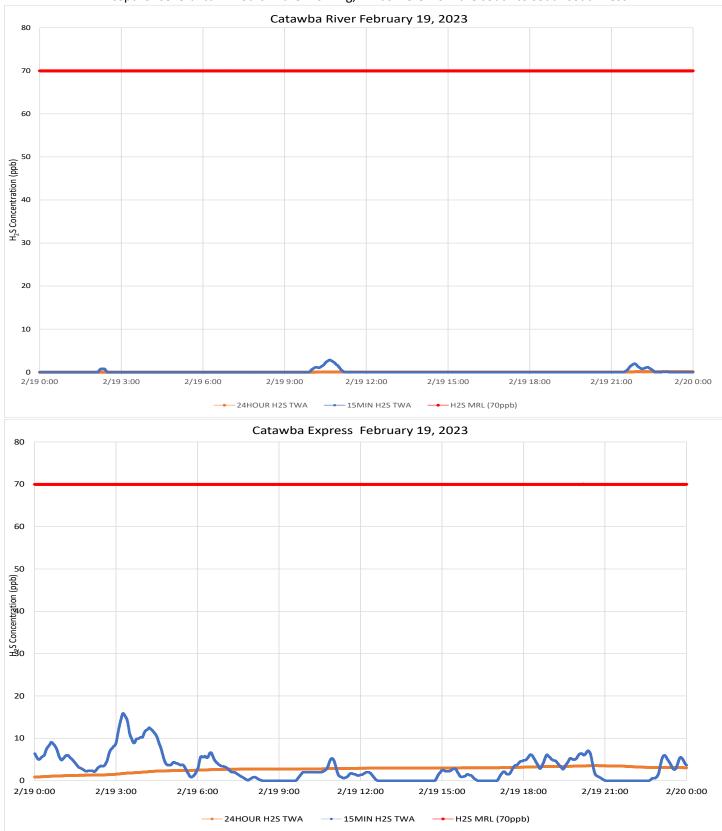
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Except for several calm hours in the morning, winds were from the south to south southwest.



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

Project Name: H₂S in South Carolina

From:	2/20/23
	12:00 AM

To:	2/20/23
	11:59 PM

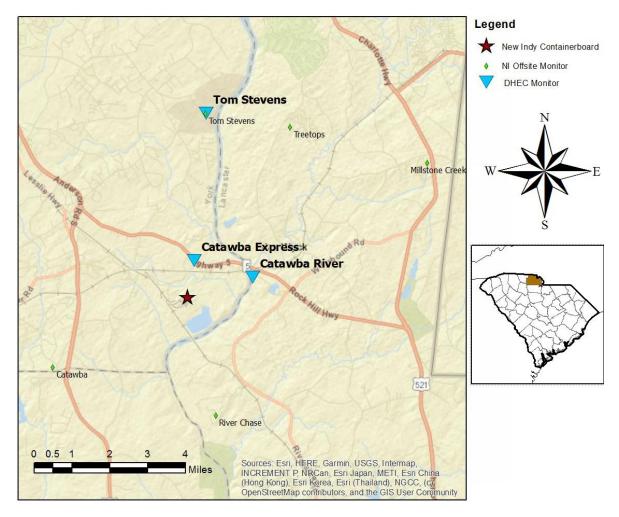


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	639	0 - 11 ppb	0.53 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	2879	902	0 - 29 ppb	2.19 ppb	70 ppb

Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

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



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

Project Name: H₂S in South Carolina

From:	2/21/23
	12:00 AM

To:	2/21/23
	11:59 PM

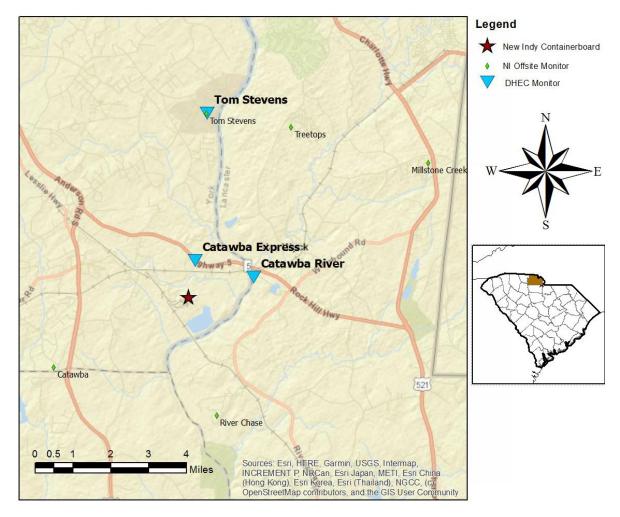


Catawba River								
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL	
instrument	Analyte	Exceedance?	Readings	Detections	Concentration Range	Periou Average	AT SUK WIKL	
SPM Flex 3	H2S	No	2880	1363	0 - 14 ppb	1.62 ppb	70 ppb	

Catawba Express								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
CDM Flave 2	H2S		×	22	0.2	0.01	70	
SPM Flex 2	HZ3	No	4595	52	0 - 2 ppb	0.01 ppb	70 ppb	

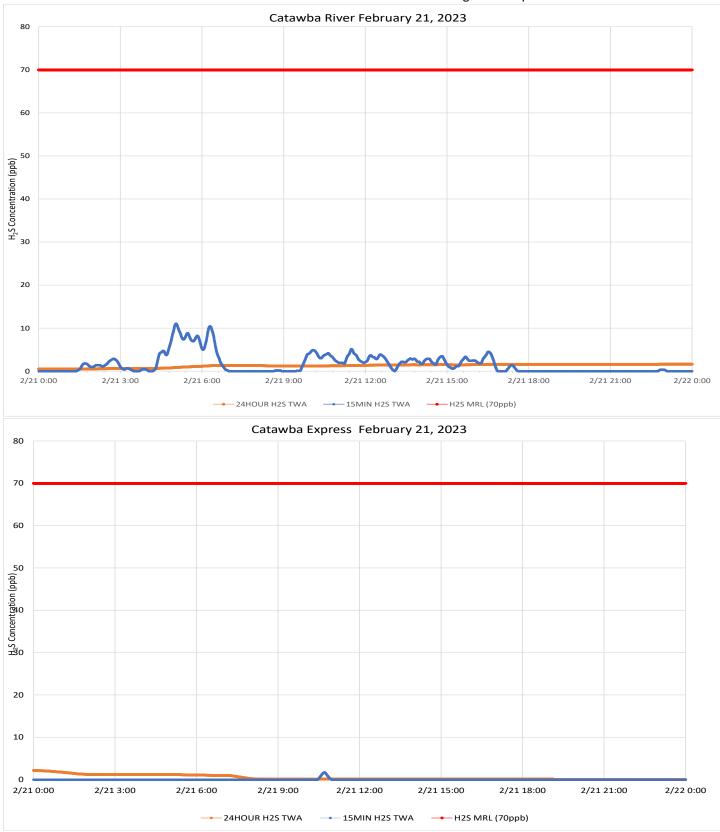
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

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



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

Project Name: H₂S in South Carolina

From:	2/22/23
	12:00 AM

To:	2/22/23
	11:59 PM

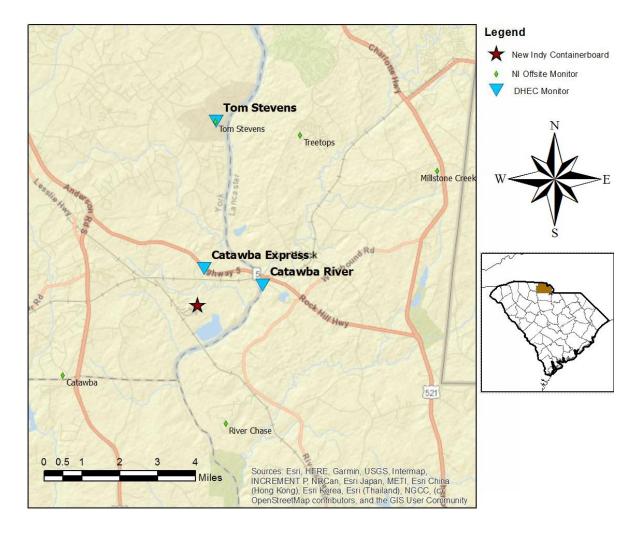


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	2880	98	0 - 6 ppb	0.1 ppb	70 ppb	

Catawba Express								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 2	H2S	No	5460	915	0 - 23 ppb	0.9 ppb	70 ppb	

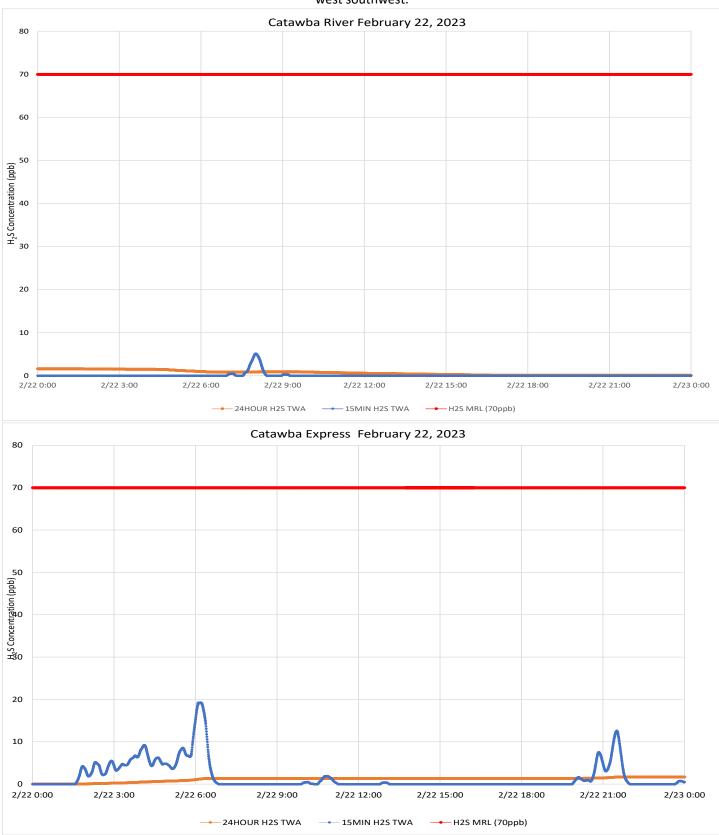
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average
SPM	Single Point Monitor



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

Winds were calm in the very early morning and generally from the southwest thereafter, varying from south southwest to west southwest.



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

Project Name: H₂S in South Carolina

From:	2/23/23
	12:00 AM

To:	2/23/23
	11:59 PM

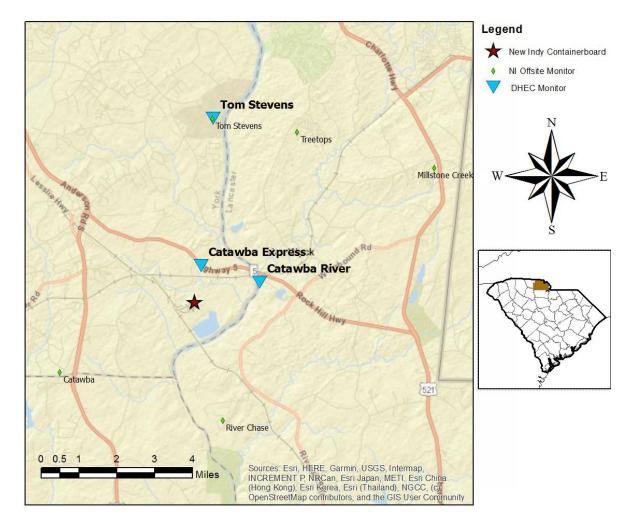


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	2880	847	0 - 7 ppb	0.96 ppb	70 ppb	

Catawba Express								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 2	H2S	No	3008	113	0 - 3 ppb	0.05 ppb	70 ppb	

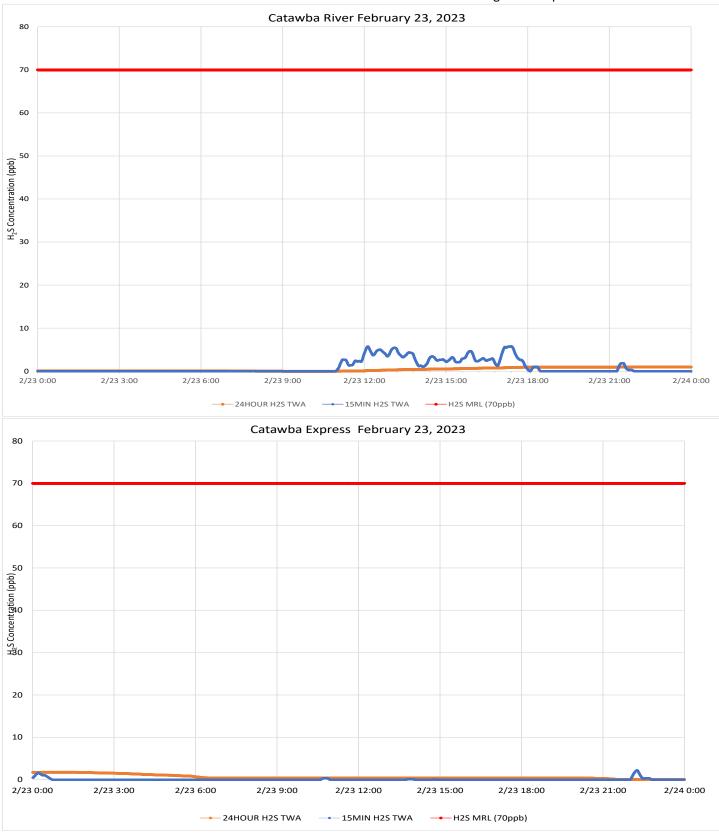
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

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



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

Project Name: H₂S in South Carolina

From:	2/24/23
	12:00 AM

To:	2/24/23
	11:59 PM

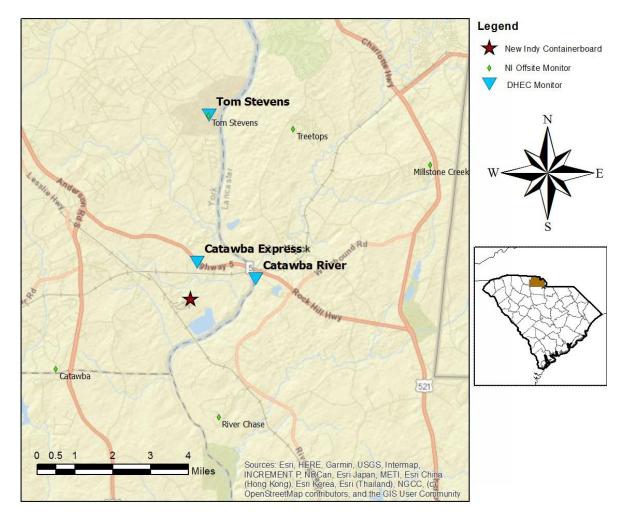


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	2880	265	0 - 9 ppb	0.32 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	4308	0	0 - 0 ppb	0 ppb	70 ppb

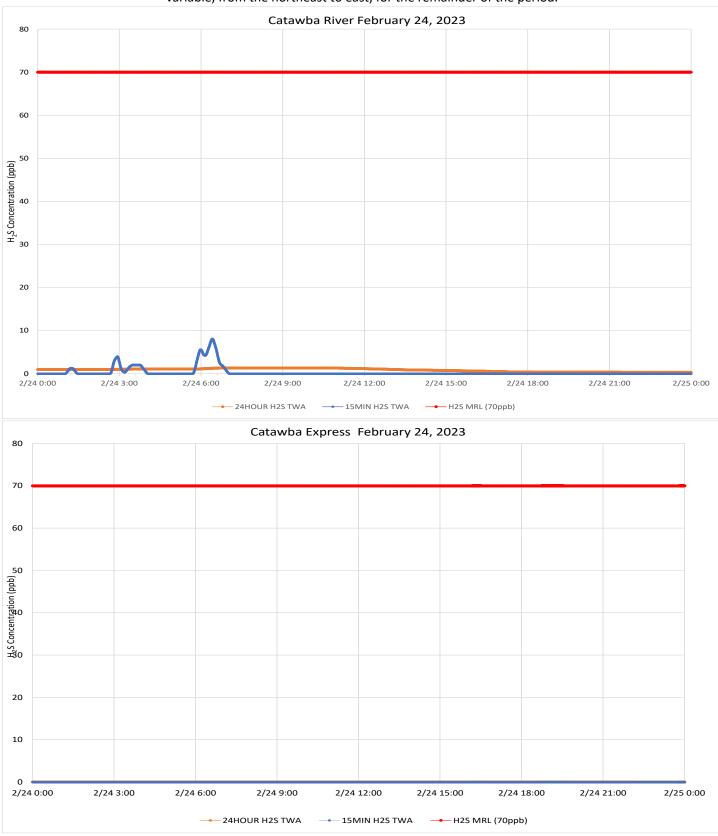
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were from the southwest to west southwest through the early morning, shifting to northerly midday, and more variable, from the northeast to east, for the remainder of the period.



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

Project Name: H₂S in South Carolina

From:	2/25/23
	12:00 AM

To:	2/25/23
	11:59 PM

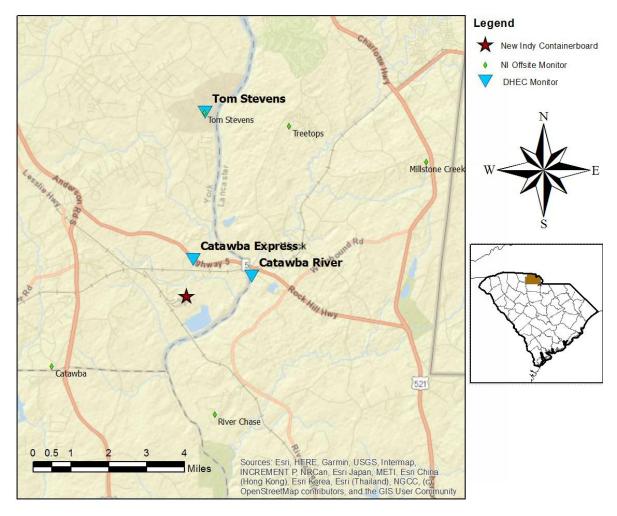


Catawba River							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H2S	No	16516	5047	0 - 5 ppb	0.54 ppb	70 ppb

Catawba Express							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H2S	No	4455	352	0 - 4 ppb	0.18 ppb	70 ppb

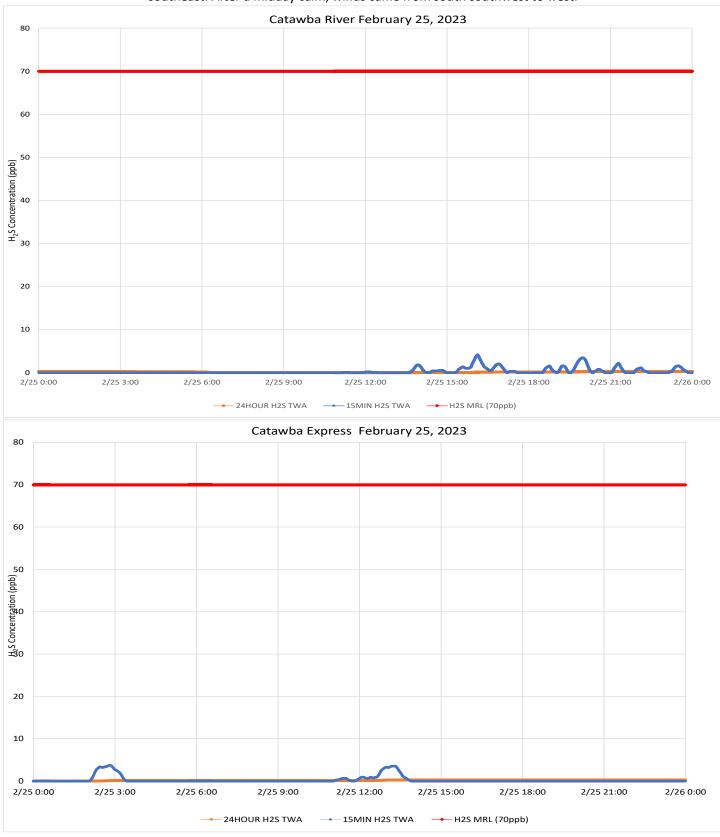
Notes:

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



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

Winds direction varied widely and included calms during this period. Before noon, wind came from the north through south southeast. After a midday calm, winds came from south southwest to west.



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

Project Name: H₂S in South Carolina

From:	2/26/23
	12:00 AM

To:	2/26/23
	11:59 PM

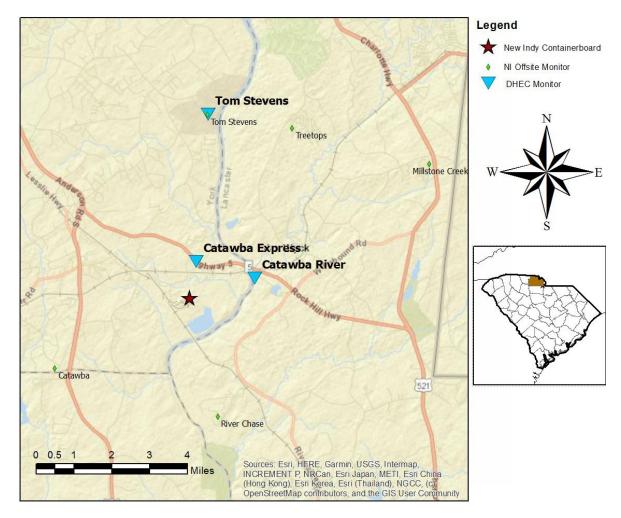


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	AT SDR MRL	
SPM Flex 3	H2S	No	27676	1784	0 - 3 ppb	0.12 ppb	70 ppb	

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	454	0 - 5 ppb	0.37 ppb	70 ppb	

Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average
MRL Exceedance SPM	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report Single Point Monitor



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

Winds direction varied widely and there were significant calm periods. When present, wind was most often from the southwest to south.



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

Project Name: H₂S in South Carolina

From:	2/27/23
	12:00 AM

To:	2/27/23
	11:59 PM

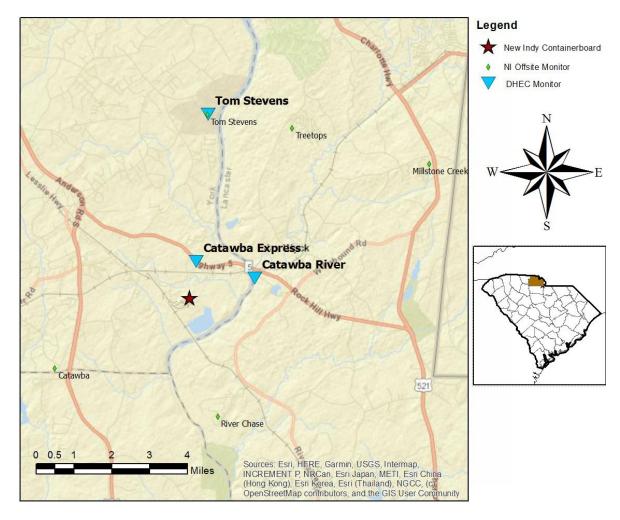


Catawba River								
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL	
SPM Flex 3	H2S	No	27659	3390	0 - 5 ppb	0.34 ppb	70 ppb	

Catawba Express									
Instrument	Analyte	ATSDR MRL	Number of	Number of	Concentration Range	Period Average	ATSDR MRL		
mətrument	Analyte	Exceedance?	Readings	Detections	concentration nunge	Fellou Arciuge	AT 3DIC MILE		
SPM Flex 2	H2S	No	2880	995	0 - 7 ppb	0.96 ppb	70 ppb		

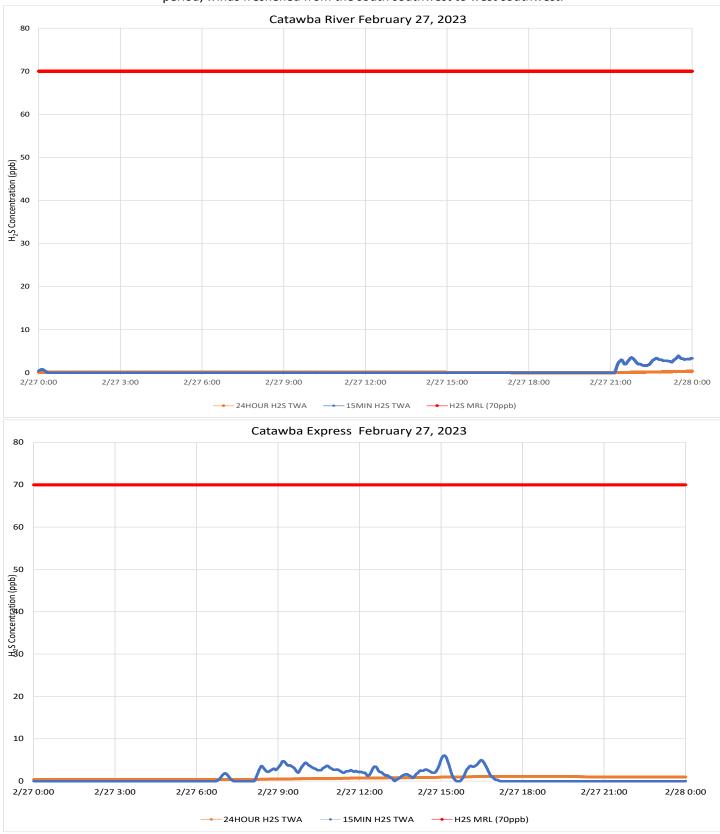
Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Through midday, winds were calm to variable and came from the east to south. From midafternoon through the end of the period, winds freshened from the south southwest to west southwest.



The Catawba River monitor had a flow failure at 11:35 PM. The summary data in the table is valid.

Air Monitoring Summary Tables

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

Project Name: H₂S in South Carolina



From: 2/28/23 12:00 AM

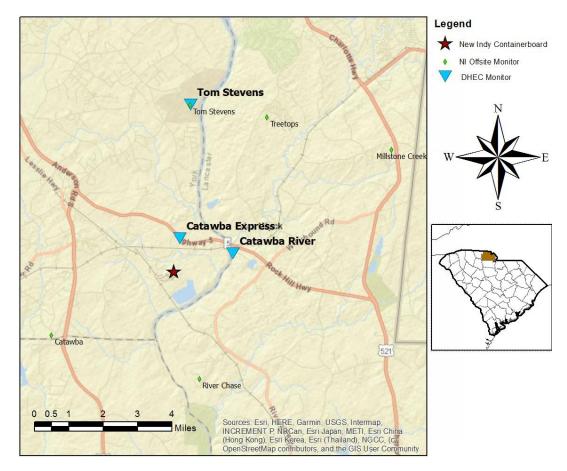
To:	2/28/23
	11:59 PM

Catawba River	0000-2335						
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Limited Period Average	ATSDR MRL
SPM Flex 3	H2S	No	27143	14541	0 - 14 ppb	2.59 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	352	0 - <mark>8</mark> ppb	0.32 ppb	70 ppb		

Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)
H ₂ S	Hydrogen Sulfide
hr	Hour
ppb	Parts per billion
MRL Exceedance	Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report
SPM	Single Point Monitor
TWA	Time Weighted Average



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

Winds were from the west to west southwest through midday, becoming more variable, including a short period from the west northwest, before settling to coming from the south southeast in the late evening.

