Air Monitoring Summary Tables

The table below summarizes monitoring data collected using a portable wireless remote monitoring system.
All times in Easter Standard Time (EST).

From: **12/9/21** **12:00 am**   **To:** **12/9/21** **11:59 pm**

Offsite Monitors

Instrument	Analyte	ATSDR MRL 14-day Avg Reached?	Concentration Range Detected[a]	24-hr Average[a]	7-day Average	ATSDR 14-day MRL
Catawba Headstart						
Acrulog PPB	H$_2$S	No	0 – 0 ppb	0.00 ppb	0.06 ppb	70 ppb
Treetops						
Acrulog PPB	H$_2$S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb
Liberty Hill[c]						
Acrulog PPB	H$_2$S	No	0 – 0 ppb[c]	0.00 ppb[c]	0.00 ppb	70 ppb
Riverchase Estates						
Acrulog PPB	H$_2$S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb
Millstone Creek						
Acrulog PPB	H$_2$S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb

[c] Data is available from Liberty Hill through 15:30 EST. The 24-hr average at this location is not represented by the full 24-hr period; a total of 17 30-minute averages are missing from the reported period.
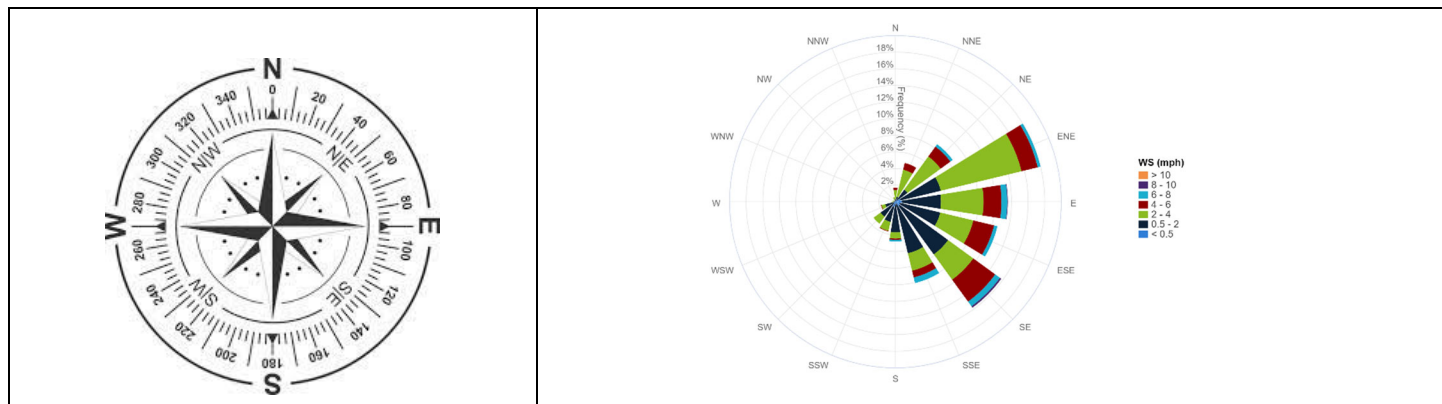
Onsite Fenceline Monitors

Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected[b]	24-hr Average[b]	7-day Average	30-min AEGL
Station 1						
TAPI Analyzer	H$_2$S	No	0 – 14 ppb	2.64 ppb	2.02 ppb	600 ppb
Station 2						
TAPI Analyzer	H$_2$S	No	0 – 9 ppb	0.78 ppb	1.07 ppb	600 ppb
Station 3						
TAPI Analyzer	H$_2$S	No	0 – 5 ppb	0.82 ppb	1.98 ppb	600 ppb

[a,b] Based on 30-minute averages for the above 24-hr reporting period, unless otherwise noted.

Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL)
AEGL	EPA Acute Exposure Guidelines Levels
H$_2$S	Hydrogen Sulfide
TAPI	Teledyne API H$_2$S Analyzer
hr	Hour
min	Minute
ppb	Parts per billion
MRL Limit	Limit defined as a 14-day average value.

Wind rose – Shows the direction the wind is coming from, the monitoring station being at the center of the rose.

Legend

 Offsite Fixed Monitoring Locations
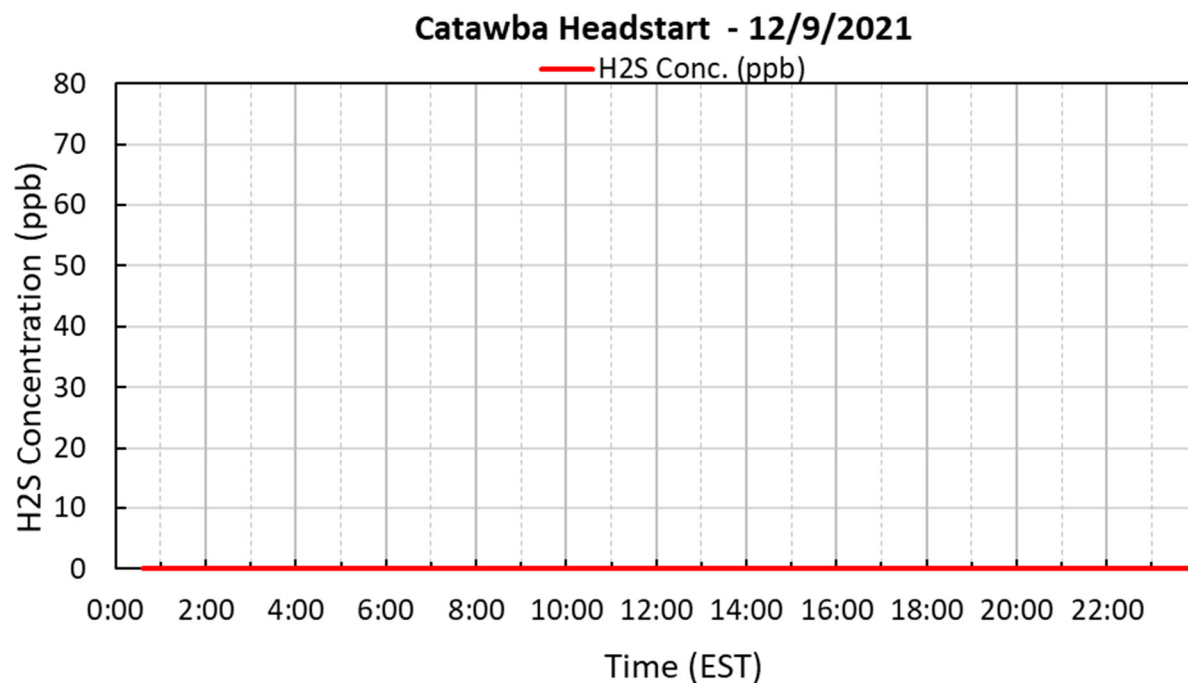
 Onsite Fixed Monitoring Locations

 New-Indy Catawba

Period H₂S Monitoring
Hydrogen Sulfide Offsite Monitors

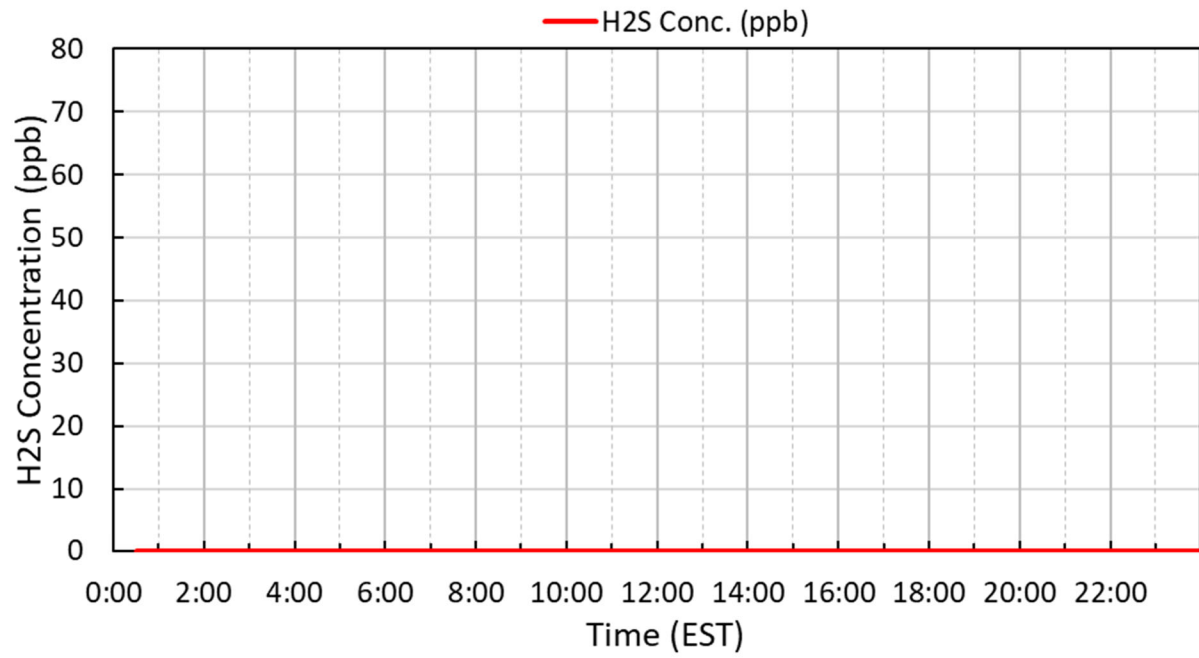Below are graphs for offsite locations where hydrogen sulfide (H2S) was detected during the current reporting period.

The five stand-alone H2S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were variable through the day from the northeast to south-southeast at 2 to 6 miles per hour.
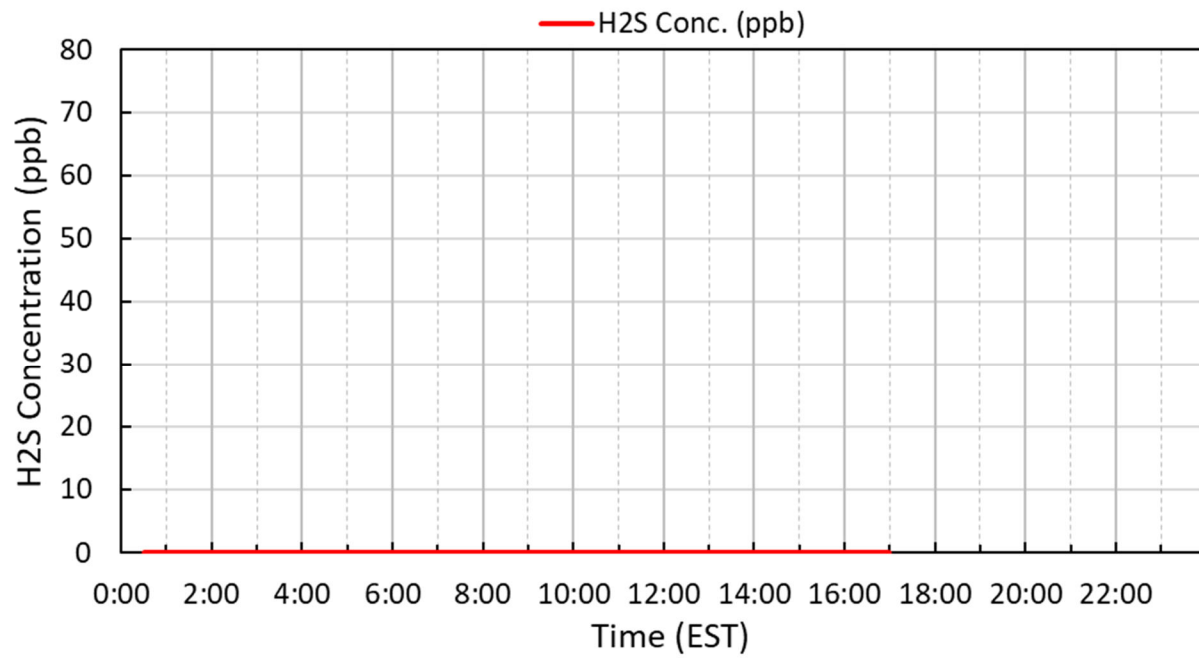
See wind rose diagram with aerial map figure for full wind data during this reporting period.
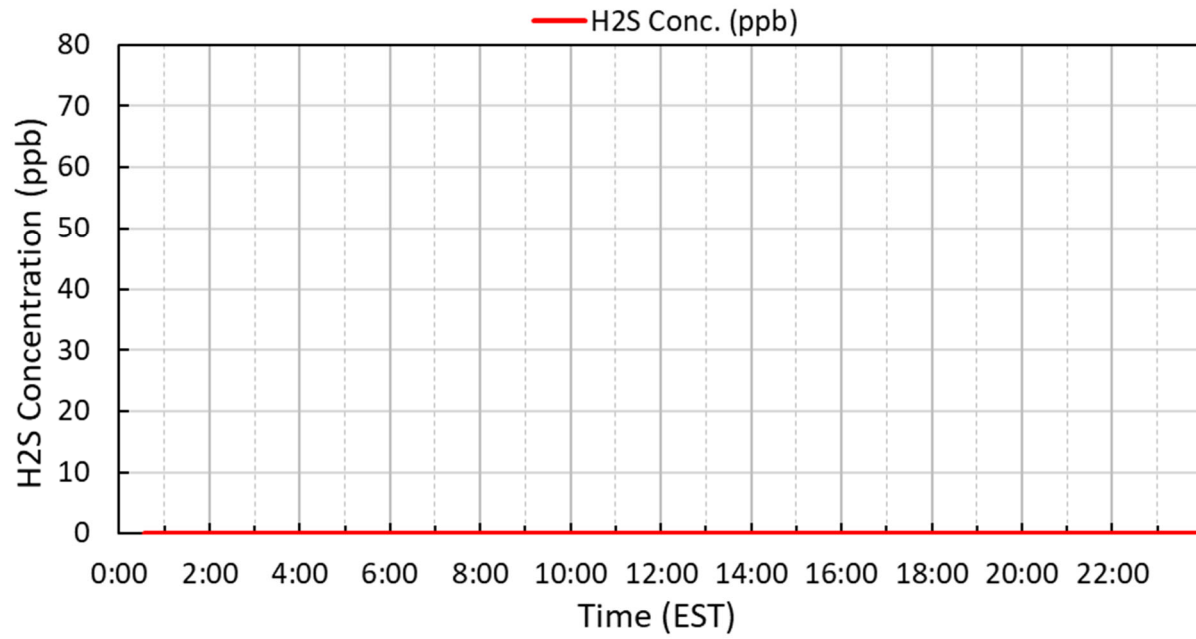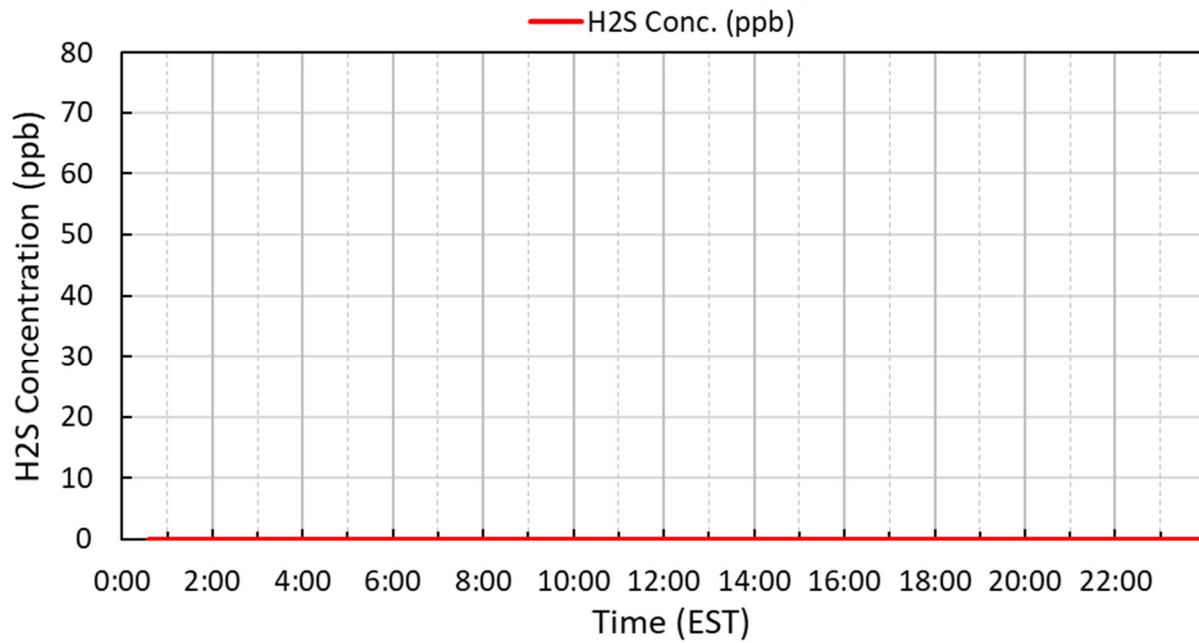
Catawba Headstart - 12/9/2021
— H2S Conc. (ppb)

Treetops - 12/9/2021

H2S Conc. (ppb)

Liberty Hill - 12/9/2021

H2S Conc. (ppb)

Riverchase Estates - 12/9/2021

H2S Conc. (ppb)
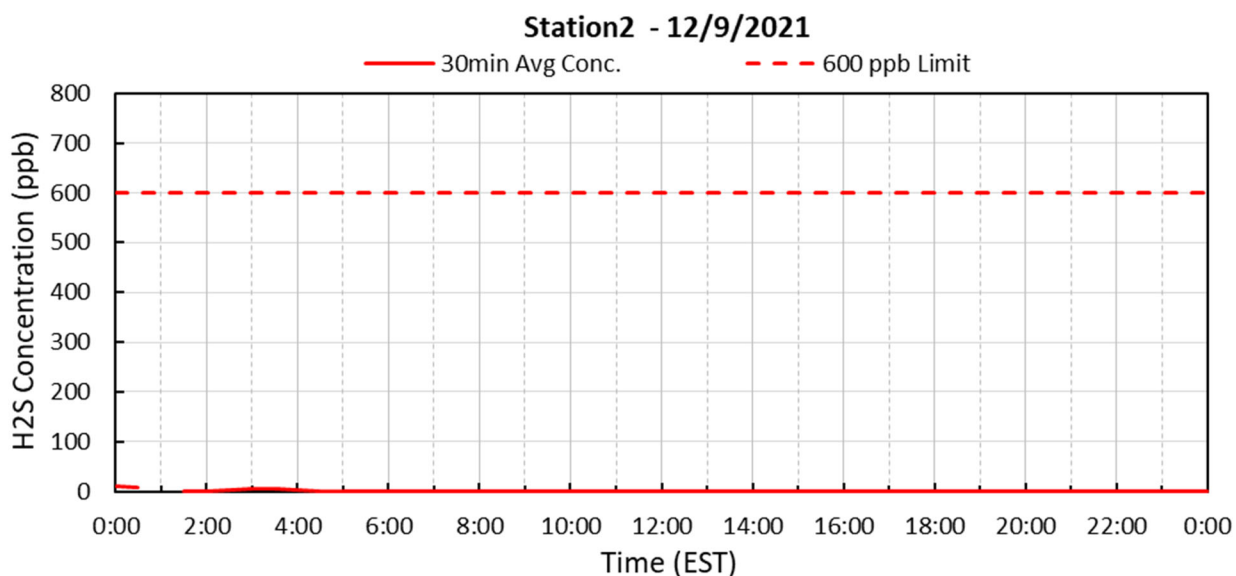

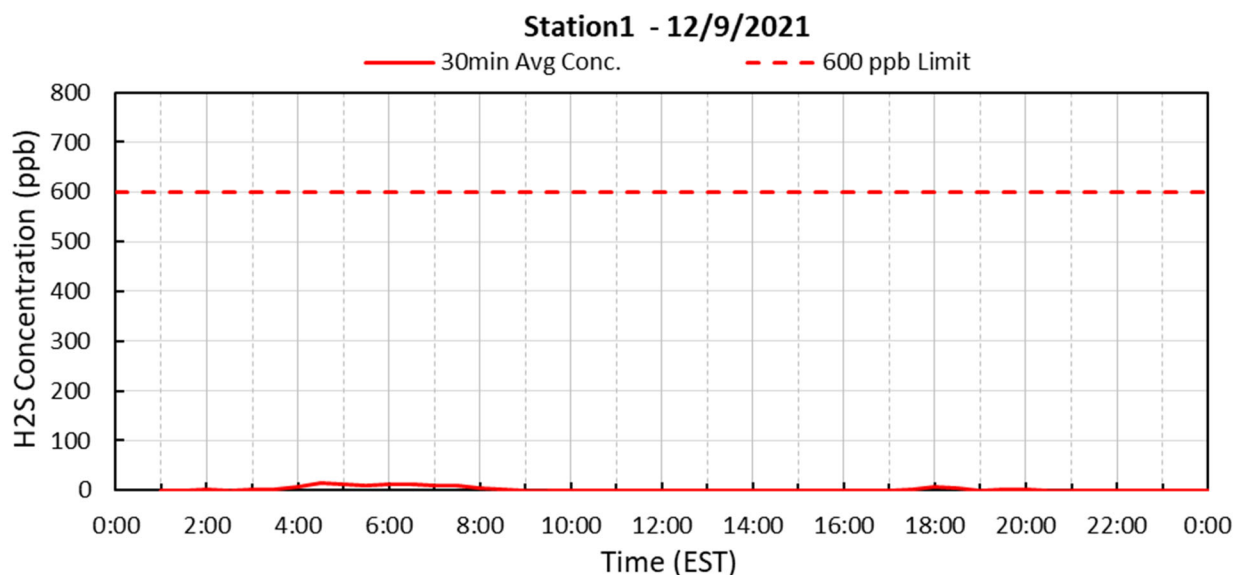## Millstone Creek - 12/9/2021

H2S Conc. (ppb)

Period H₂S Monitoring
Hydrogen Sulfide Onsite Monitors

Below are graphs for onsite locations during the current reporting period.

Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were variable through the day from the northeast to south-southeast at 2 to 6 miles per hour See wind rose diagram with aerial map figure for full wind data during this reporting period.

Station1 - 12/9/2021

30min Avg Conc.   600 ppb Limit

Station2 - 12/9/2021

30min Avg Conc.   600 ppb Limit

Station3 - 12/9/2021