

# Air Monitoring Summary Tables

The table below summarizes monitoring data collected using a portable wireless remote monitoring system.

All times in Eastern Standard Time (EST).

**From:** 5/23/22 12:00 am

**To:** 5/23/22

11:59 pm

## Offsite Monitors

Instrument	Analyte	ATSDR MRL 14-day Avg Reached?	Concentration Range Detected <sup>a</sup>	24-hr Average <sup>a</sup>	7-day Average	ATSDR 14-day MRL
<b>Catawba Headstart</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 2 ppb	0.04 ppb	0.31 ppb	70 ppb
<b>Treetops</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 3 ppb	0.07 ppb	0.54 ppb	70 ppb
<b>Liberty Hill</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 2 ppb	0.07 ppb	0.45 ppb	70 ppb
<b>Riverchase Estates</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 5 ppb	0.19 ppb	0.69 ppb	70 ppb
<b>Millstone Creek</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 4 ppb	0.09 ppb	0.39 ppb	70 ppb

## Onsite Fenceline Monitors

Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected <sup>a</sup>	24-hr Average <sup>a</sup>	7-day Average	30-min AEGL
<b>Station 1</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 13 ppb	1.23 ppb	0.82 ppb	600 ppb
<b>Station 2</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 9 ppb	0.51 ppb	1.13 ppb	600 ppb
<b>Station 3</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 3 ppb	0.40 ppb <sup>b</sup>	2.19 ppb	600 ppb

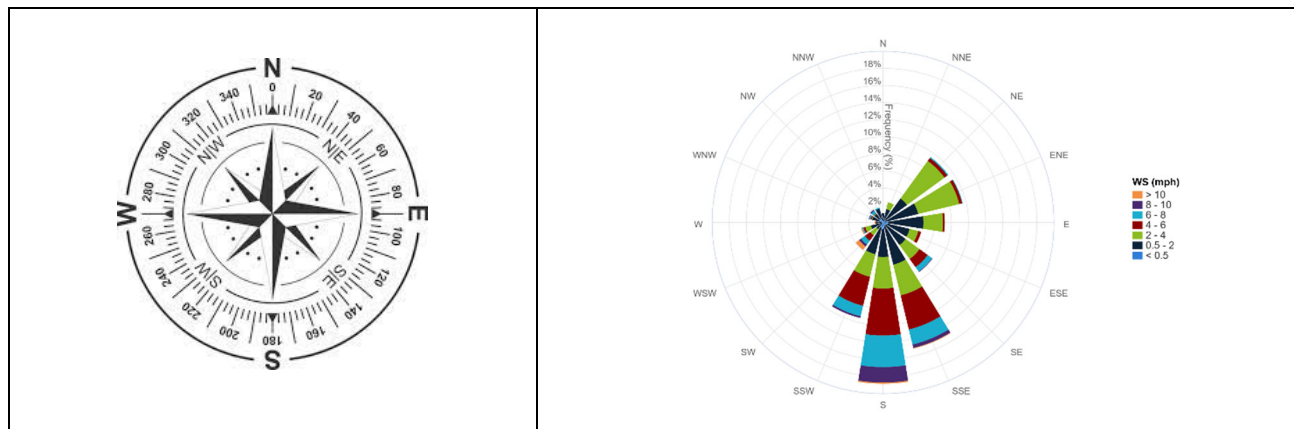
<sup>a</sup> Based on 30-minute averages.

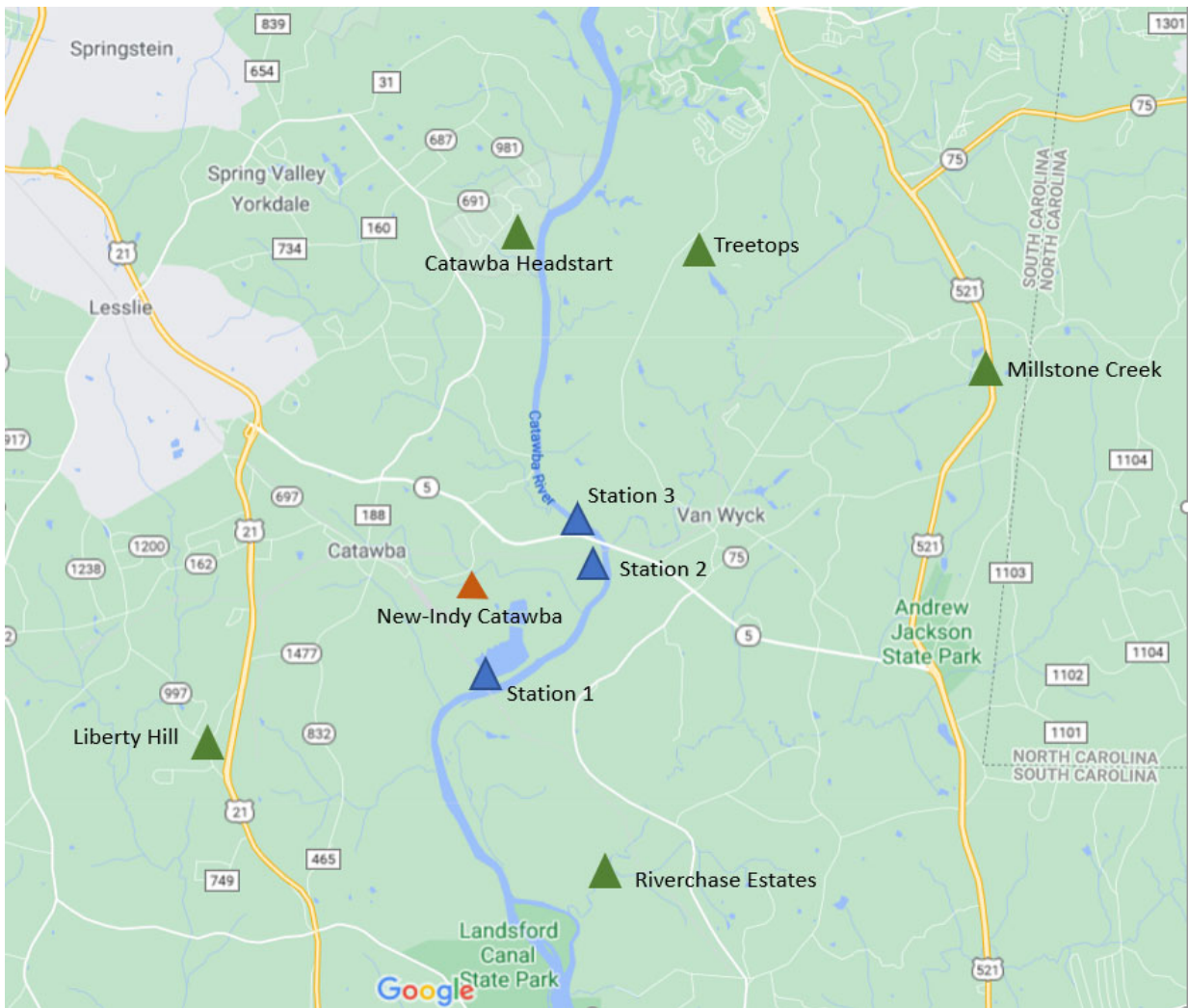
<sup>b</sup> Station 3 experienced a power outage from 12:30 – 17:30 EST due to strong thunderstorms. A QC check was performed from 17:30 – 20:30 EST once power was restored. The 24-hr average at this location is not represented by the full 24-hr period; a total of 16 30-minute averages are missing from the reported period.

### Notes:




ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL)  
 AEGL EPA Acute Exposure Guidelines Levels  
 H<sub>2</sub>S Hydrogen Sulfide  
 TAPI Teledyne API H<sub>2</sub>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

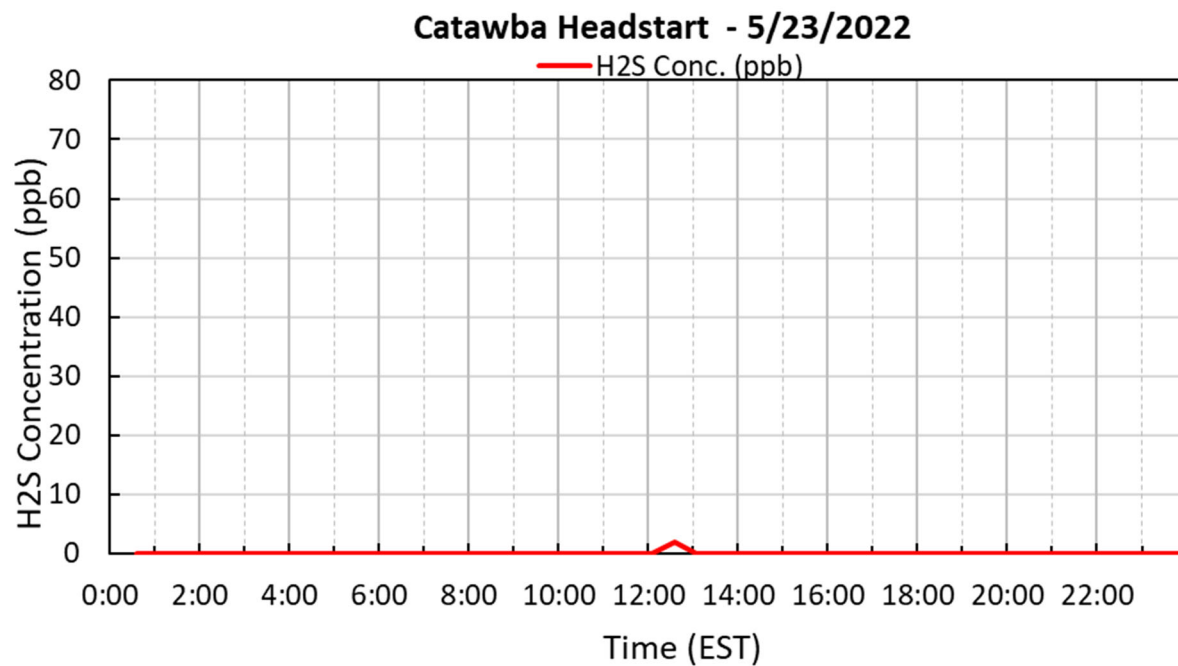
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Offsite Monitors

Below are graphs for offsite locations where hydrogen sulfide (H<sub>2</sub>S) was detected during the current reporting period.

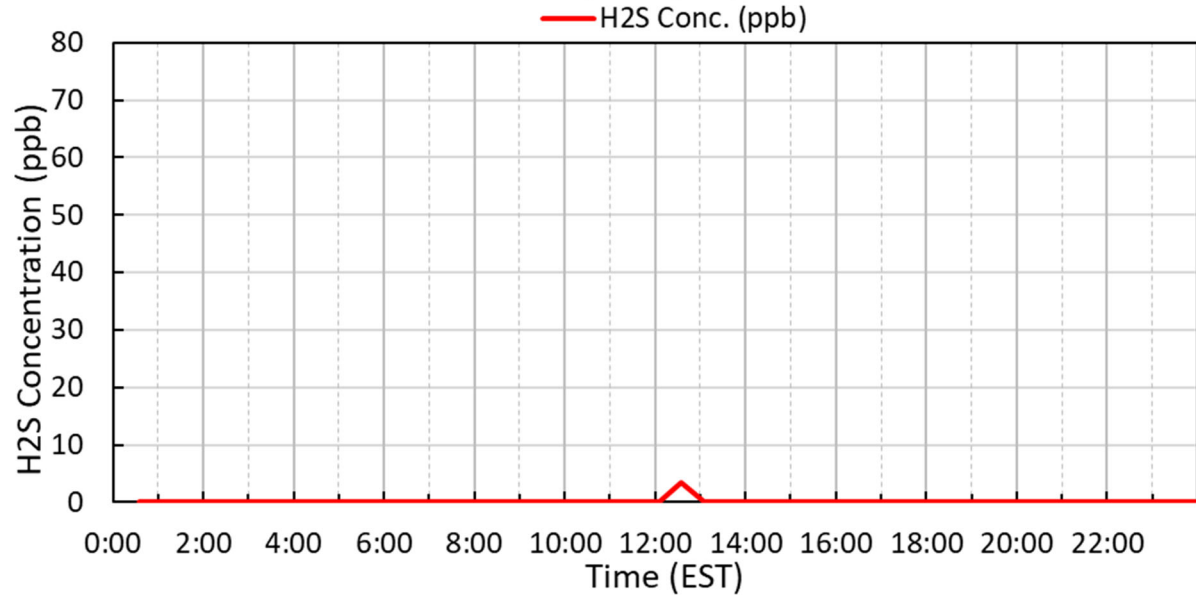
The five stand-alone H<sub>2</sub>S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were from the northeast and south throughout the day at 1-8 mph.

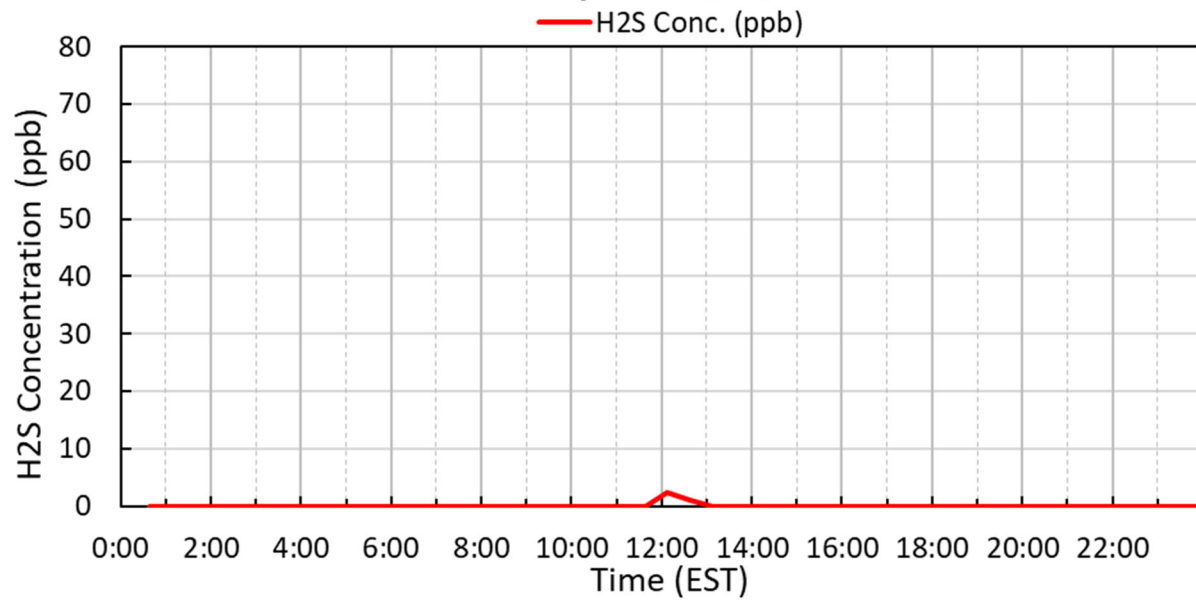
See wind rose diagram with aerial map figure for full wind data during this reporting period.



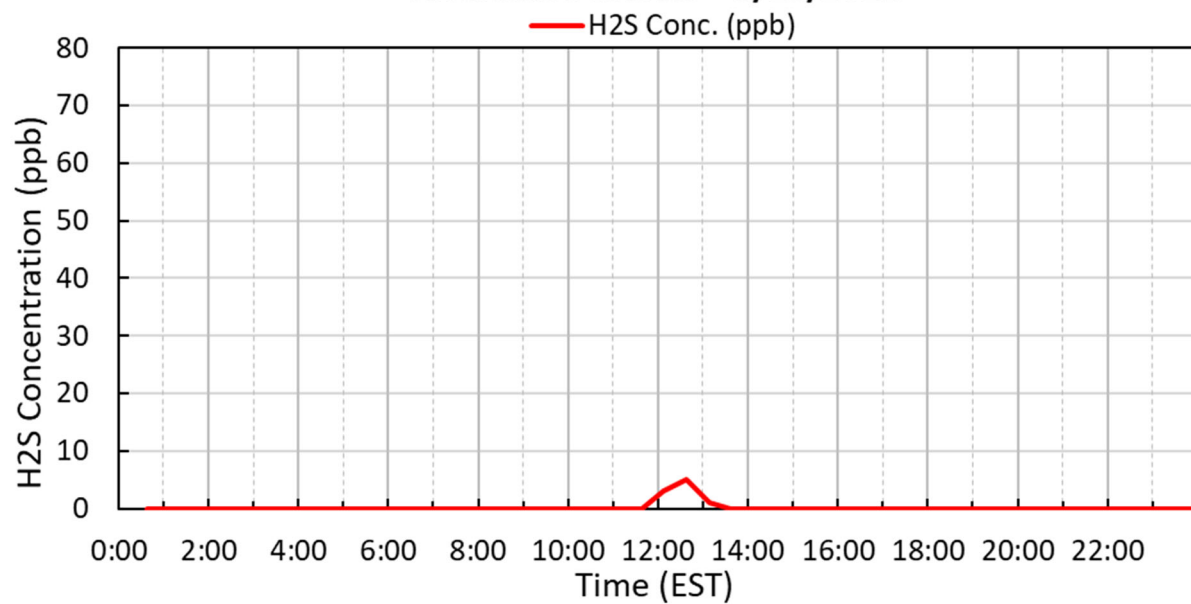
### Treetops - 5/23/2022



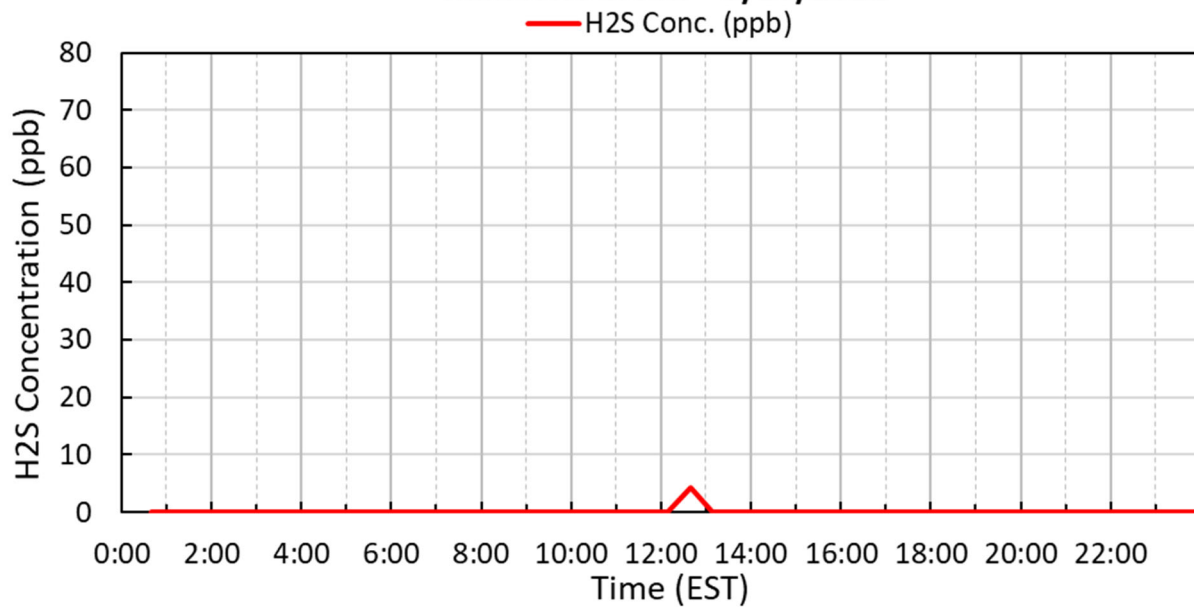
### Liberty Hill - 5/23/2022



### Riverchase Estates - 5/23/2022



### Millstone Creek - 5/23/2022



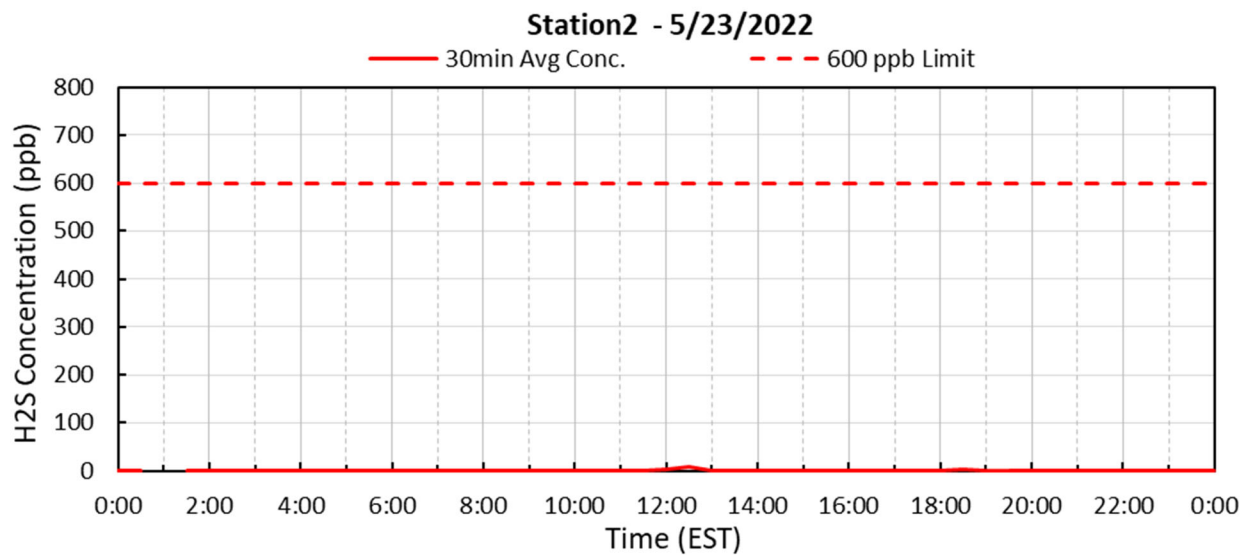
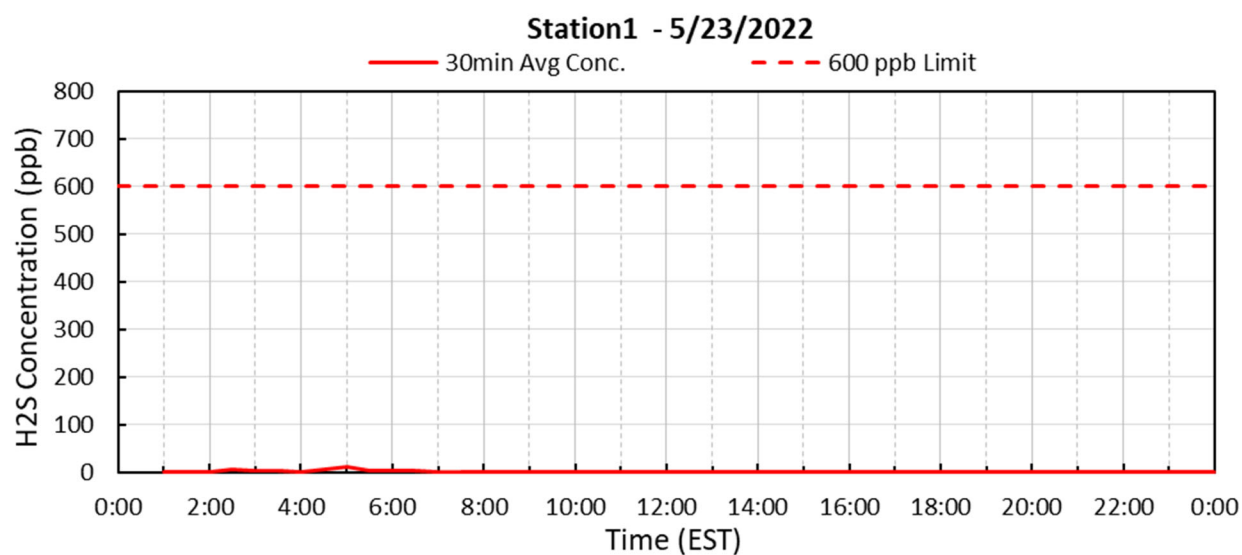
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Onsite Monitors

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

Depending on wind direction, the H<sub>2</sub>S measured at the onsite fence line locations may not exit the 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 from the northeast and south throughout the day at 1-8 mph.

See wind rose diagram with aerial map figure for full wind data during this reporting period.



### Station3 - 5/23/2022

