# 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:*** **10/29/22 12:00 am** ***To:*** **10/29/22 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 | $H_2S$ | No | 0 – 0 ppb | 0.00 ppb | 0.01 ppb | 70 ppb |
| **Treetops** | | | | | | |
| Acrulog PPB | $H_2S$ | No | 0 – 0 ppb | 0.00 ppb | 0.00 ppb | 70 ppb |
| **Liberty Hill** | | | | | | |
| Acrulog PPB | $H_2S$ | No | 0 – 0 ppb | 0.00 ppb | 0.00 ppb | 70 ppb |
| **Riverchase Estates** | | | | | | |
| Acrulog PPB | $H_2S$ | No | 0 – 0 ppb | 0.00 ppb | 0.13 ppb | 70 ppb |
| **Millstone Creek** | | | | | | |
| Acrulog PPB | $H_2S$ | No | 0 – 0 ppb | 0.00 ppb | 0.00 ppb | 70 ppb |

***Onsite Fenceline Monitors***

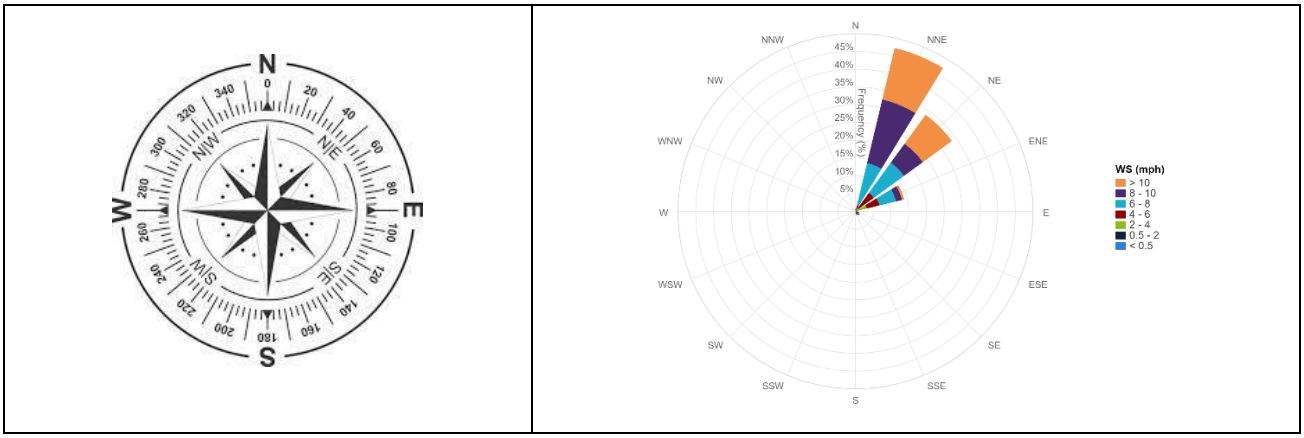
| Instrument | Analyte | 30-min AEGL Reached? | Concentration Range Detected [a] | 24-hr Average [a] | 7-day Average | 30-min AEGL |
|---|---|---|---|---|---|---|
| **Station 1** | | | | | | |
| TAPI Analyzer | $H_2S$ | No | 0 – 10 ppb | 4.16 ppb | 4.10 ppb | 600 ppb |
| **Station 2** | | | | | | |
| TAPI Analyzer | $H_2S$ | No | 1 – 1 ppb | 0.62 ppb | 0.81 ppb | 600 ppb |
| **Station 3** | | | | | | |
| TAPI Analyzer | $H_2S$ | No | 0 – 0 ppb | 0.20 ppb | 0.33 ppb | 600 ppb |

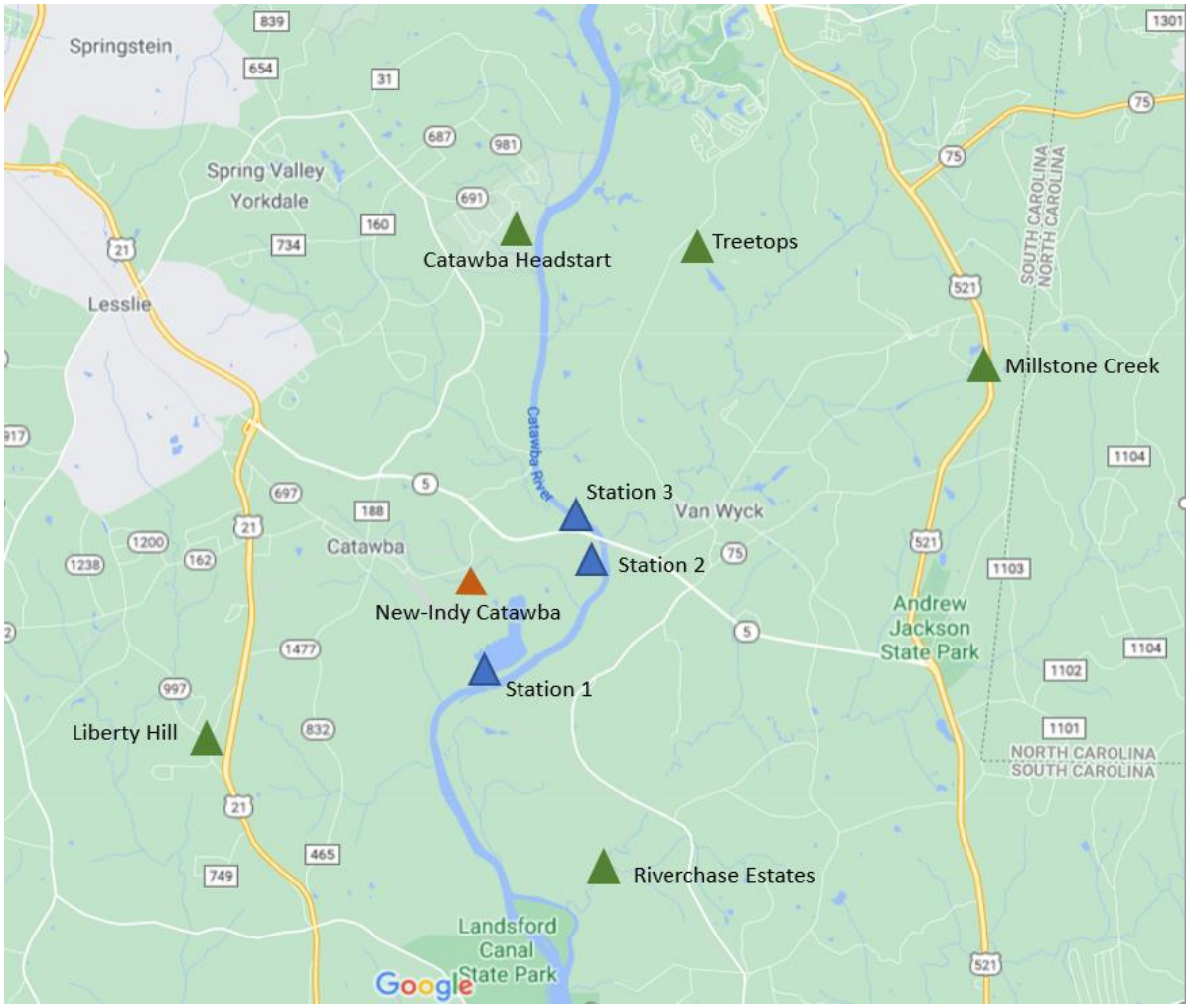
[a] Based on 30-minute averages.

**Notes:**

| | |
|---|---|
| ATSDR MRL | Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL) |
| AEGL | EPA Acute Exposure Guidelines Levels |
| $H_2S$ | Hydrogen Sulfide |
| TAPI | Teledyne API $H_2S$ Analyzer |
| hr | Hour |
| min | Minute |
| ppb | Parts per billion |
| MRL Limit | Limit defined as a 14-day average value. |

**Station 1 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

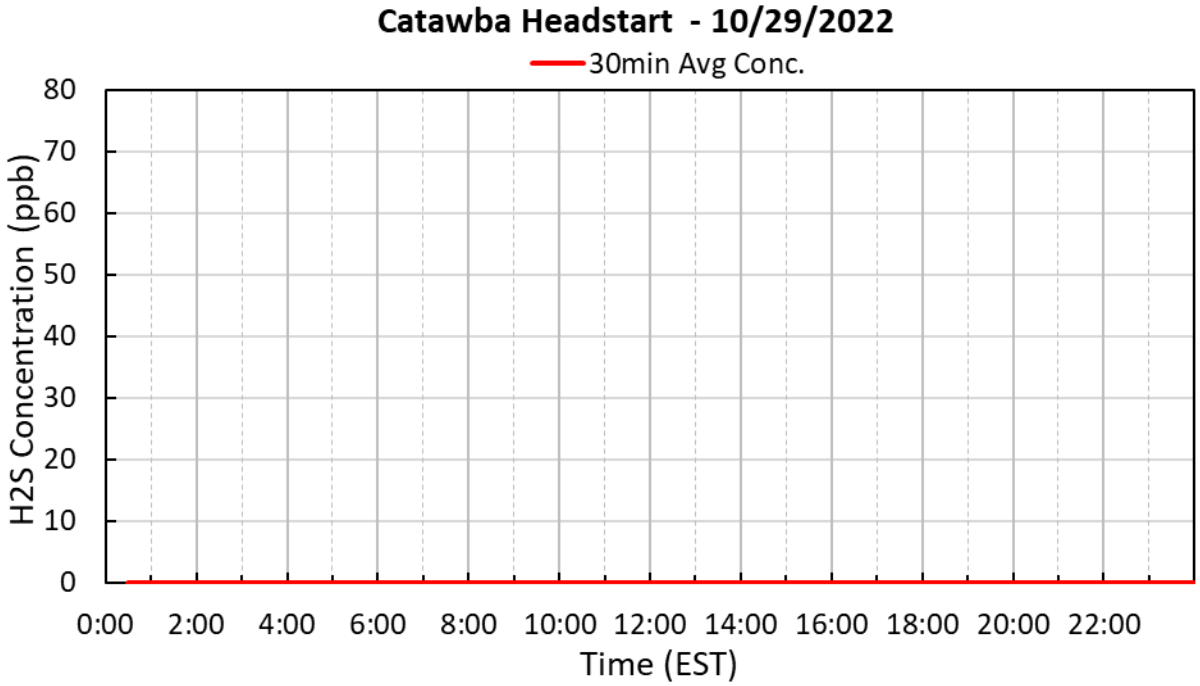
**Period $H_2S$ Monitoring**
**Hydrogen Sulfide Offsite Monitors**

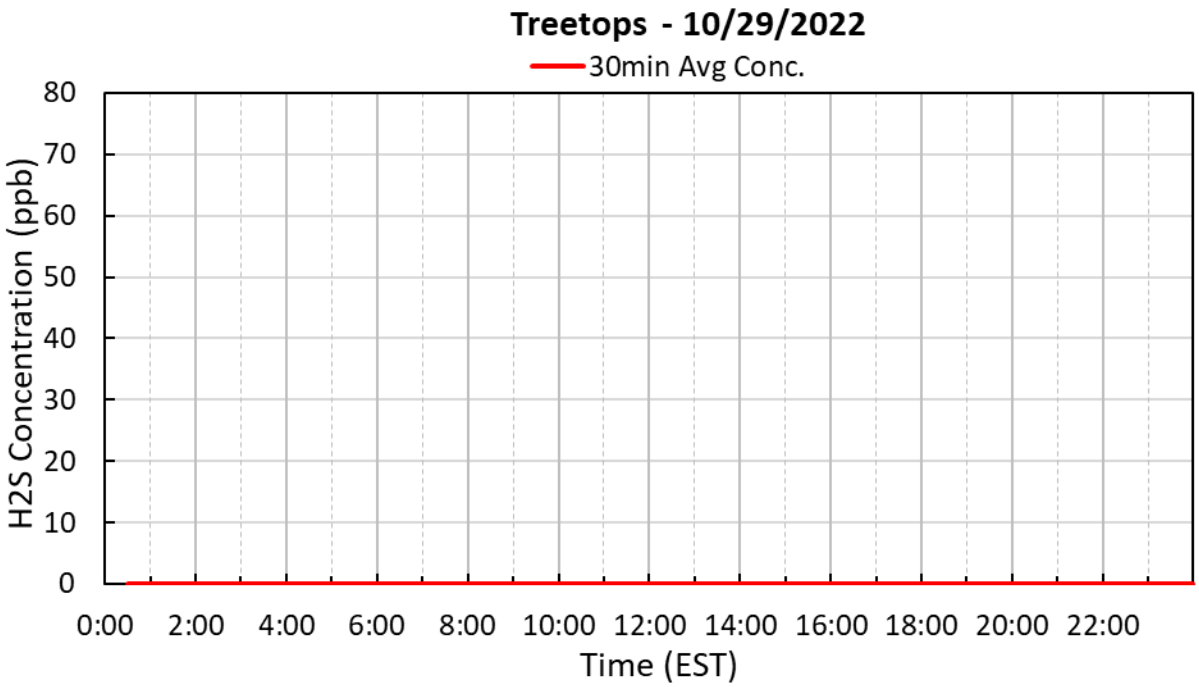
Below are graphs for offsite locations where hydrogen sulfide ($H_2S$) was detected during the current reporting period.

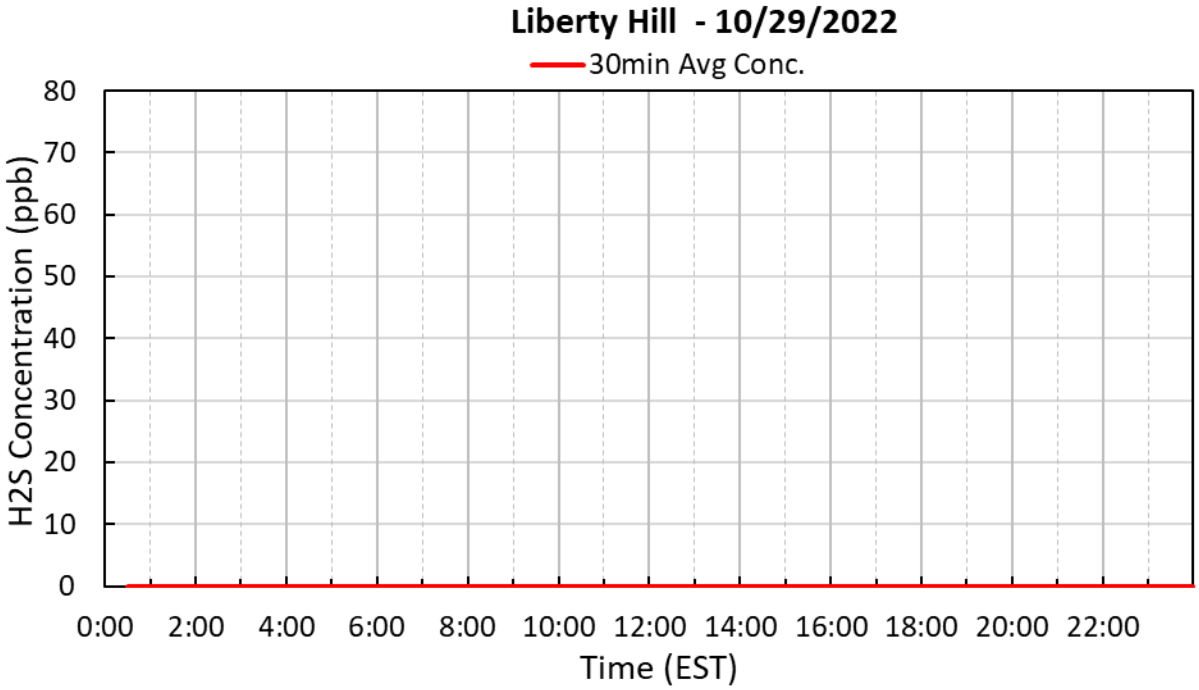
The five stand-alone $H_2S$ monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

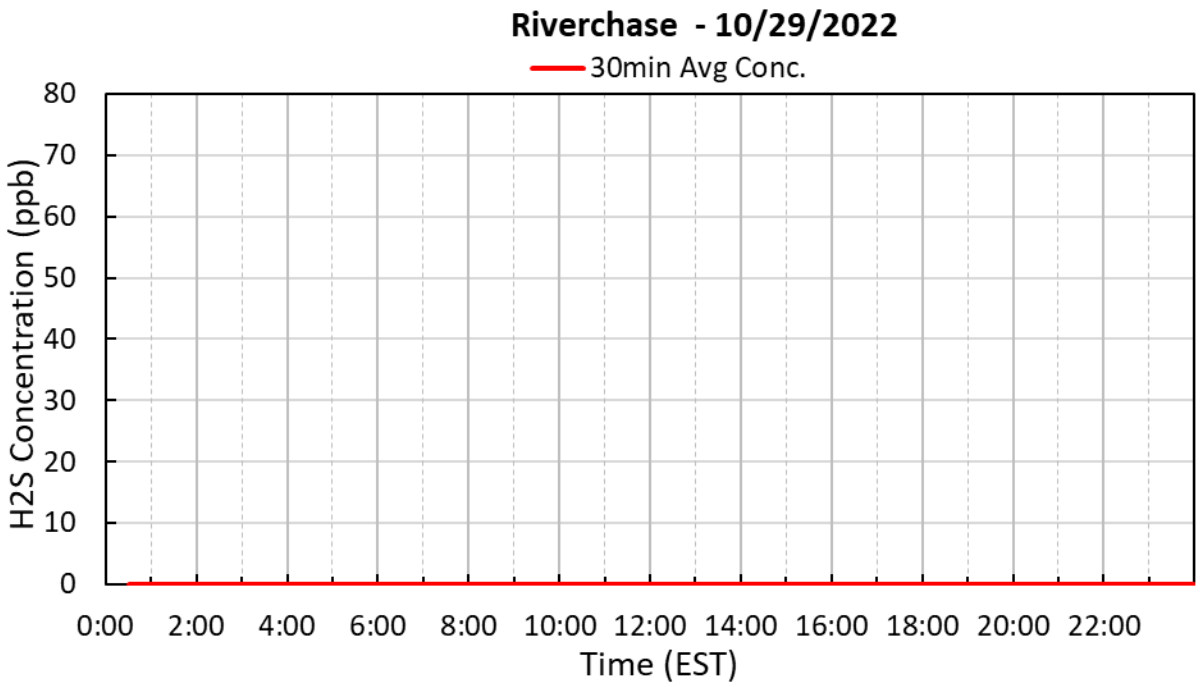
Winds were coming from the north-northeast and northeast direction at 1 to 17 mph.

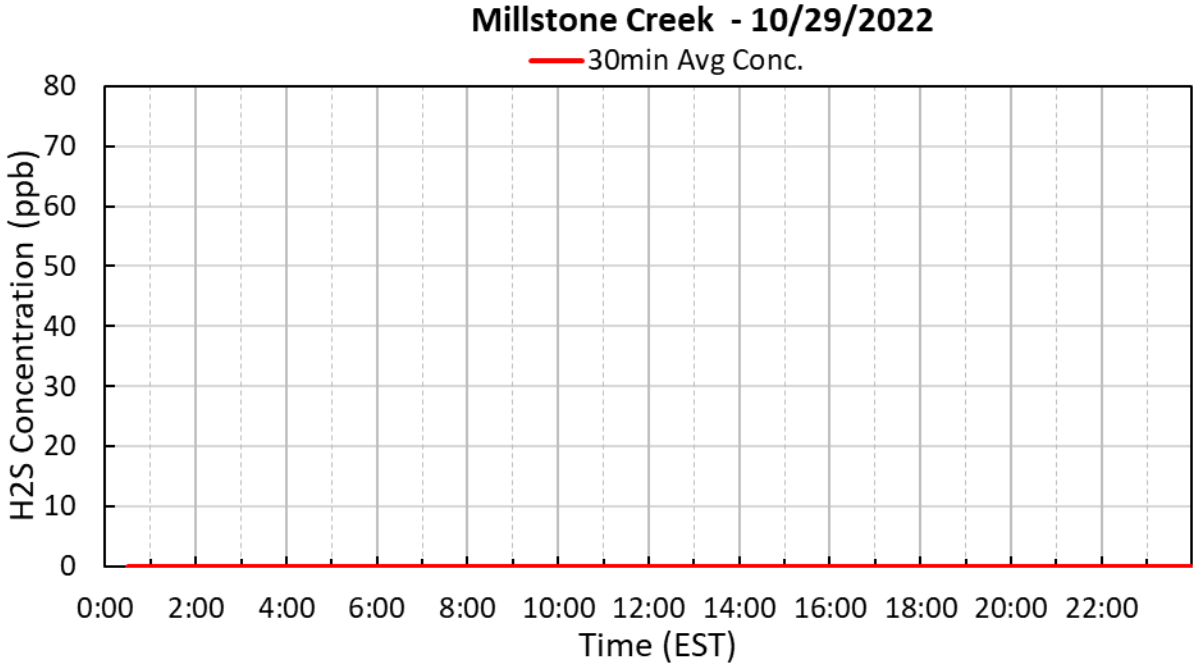
See wind rose diagram with aerial map figure for full wind data during this reporting period.




Treetops - 10/29/2022
30min Avg Conc.
H2S Concentration (ppb)
80
70
60
50
40
30
20
10
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
Time (EST)


Liberty Hill - 10/29/2022
30min Avg Conc.
H2S Concentration (ppb)
80
70
60
50
40
30
20
10
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
Time (EST)


Riverchase - 10/29/2022
30min Avg Conc.
H2S Concentration (ppb)
80
70
60
50
40
30
20
10
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
Time (EST)


Millstone Creek - 10/29/2022
30min Avg Conc.
H2S Concentration (ppb)
80
70
60
50
40
30
20
10
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
Time (EST)

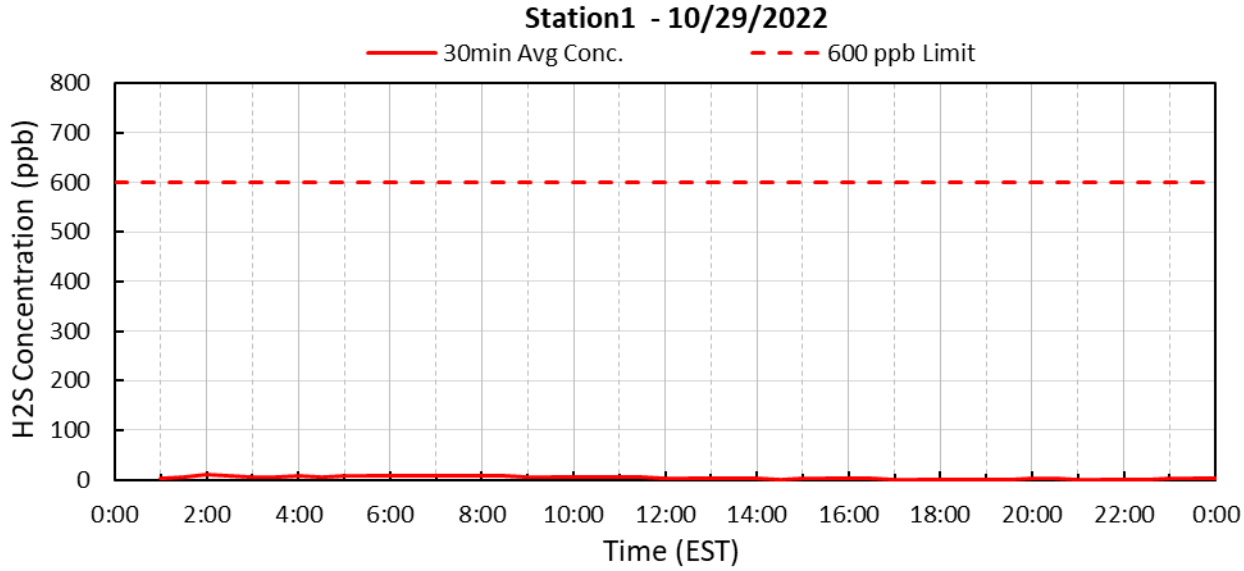
**Period $H_2S$ Monitoring**
**Hydrogen Sulfide Onsite Monitors**

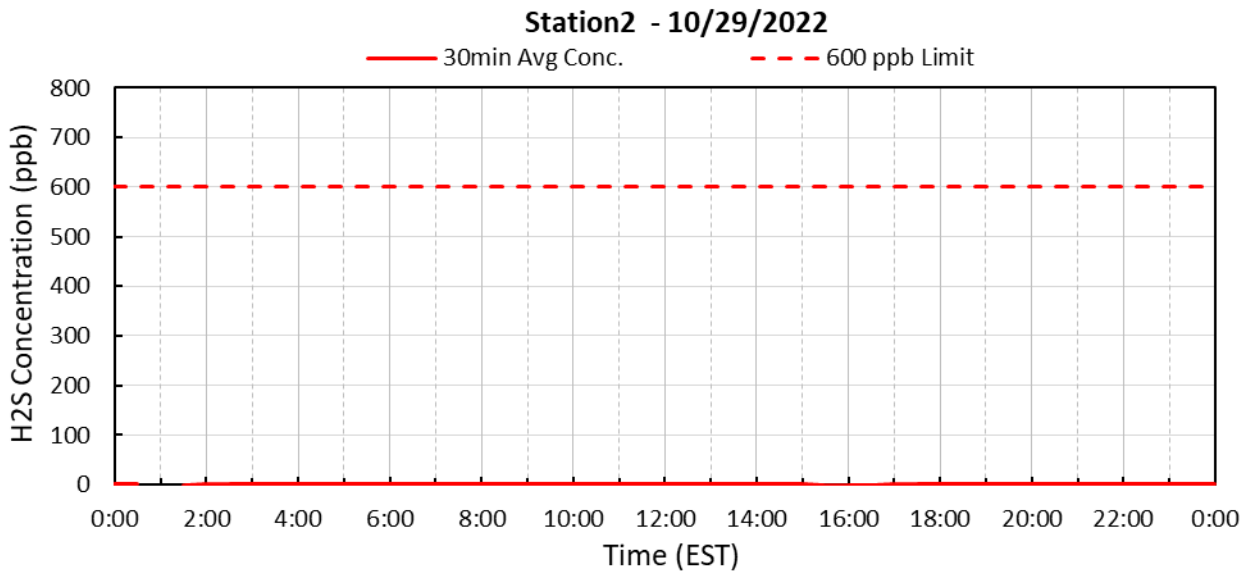
Below are graphs for onsite locations during the current reporting period.

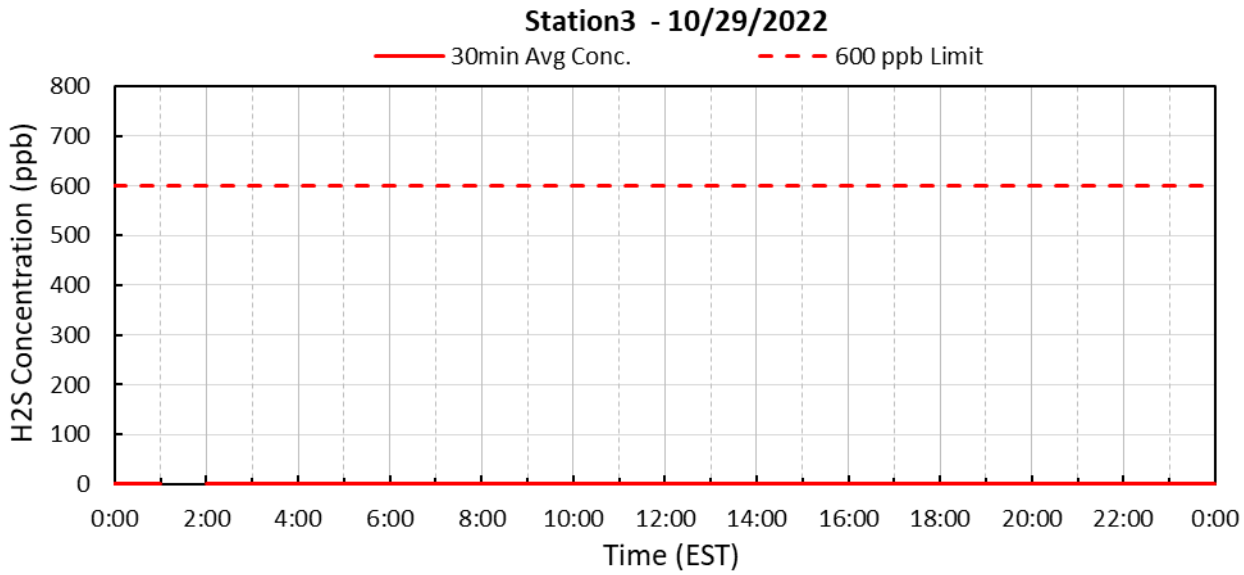
Depending on wind direction, the $H_2S$ measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from the north-northeast and northeast direction at 1 to 17 mph.

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




Station3 - 10/29/2022
30min Avg Conc.
600 ppb Limit
H2S Concentration (ppb)
800
700
600
500
400
300
200
100
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00
Time (EST)