

# 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:** 1/16/22 12:00 am

**To:** 1/16/22

11:59 pm

## Offsite Monitors

| Instrument                | Analyte          | ATSDR MRL<br>14-day Avg<br>Reached? | Concentration<br>Range Detected <sup>a</sup> | 24-hr Average <sup>a</sup> | 7-day<br>Average | ATSDR<br>14-day MRL |
|---------------------------|------------------|-------------------------------------|--|----------------------------|------------------|---------------------|
| <b>Catawba Headstart</b>  |                  |                                     |  |                            |                  |                     |
| Acrulog PPB               | H <sub>2</sub> S | No                                  | 0 – 0 ppb                                    | 0.00 ppb                   | 0.00 ppb         | 70 ppb              |
| <b>Treetops</b>           |                  |                                     |  |                            |                  |                     |
| Acrulog PPB               | H <sub>2</sub> S | No                                  | 0 – 0 ppb                                    | 0.00 ppb                   | 0.00 ppb         | 70 ppb              |
| <b>Liberty Hill</b>       |                  |                                     |  |                            |                  |                     |
| Acrulog PPB               | H <sub>2</sub> S | No                                  | 0 – 0 ppb                                    | 0.00 ppb                   | 0.00 ppb         | 70 ppb              |
| <b>Riverchase Estates</b> |                  |                                     |  |                            |                  |                     |
| Acrulog PPB               | H <sub>2</sub> S | No                                  | 0 – 0 ppb                                    | 0.00 ppb                   | 0.00 ppb         | 70 ppb              |
| <b>Millstone Creek</b>    |                  |                                     |  |                            |                  |                     |
| Acrulog PPB               | H <sub>2</sub> S | No                                  | 0 – 0 ppb                                    | 0.00 ppb                   | 0.00 ppb         | 70 ppb              |

## Onsite Fenceline Monitors

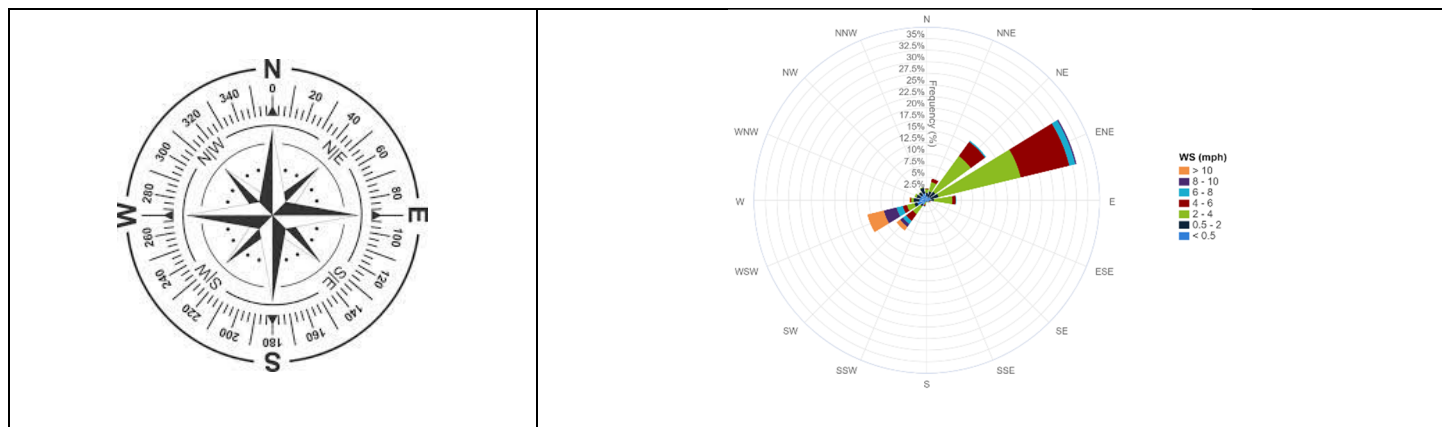
| Instrument       | Analyte          | 30-min AEGL<br>Reached? | Concentration<br>Range Detected <sup>a</sup> | 24-hr Average <sup>b</sup> | 7-day Average | 30-min AEGL |
|------------------|------------------|-------------------------|--|----------------------------|---------------|-------------|
| <b>Station 1</b> |                  |                         |  |                            |               |             |
| TAPI Analyzer    | H <sub>2</sub> S | No                      | 0 – 3 ppb                                    | 0.69 ppb                   | 2.87 ppb      | 600 ppb     |
| <b>Station 2</b> |                  |                         |  |                            |               |             |
| TAPI Analyzer    | H <sub>2</sub> S | No                      | 0 – 8 ppb                                    | 1.26 ppb                   | 0.80 ppb      | 600 ppb     |
| <b>Station 3</b> |                  |                         |  |                            |               |             |
| TAPI Analyzer    | H <sub>2</sub> S | No                      | 0 – 4 ppb                                    | 0.80 ppb                   | 0.97 ppb      | 600 ppb     |

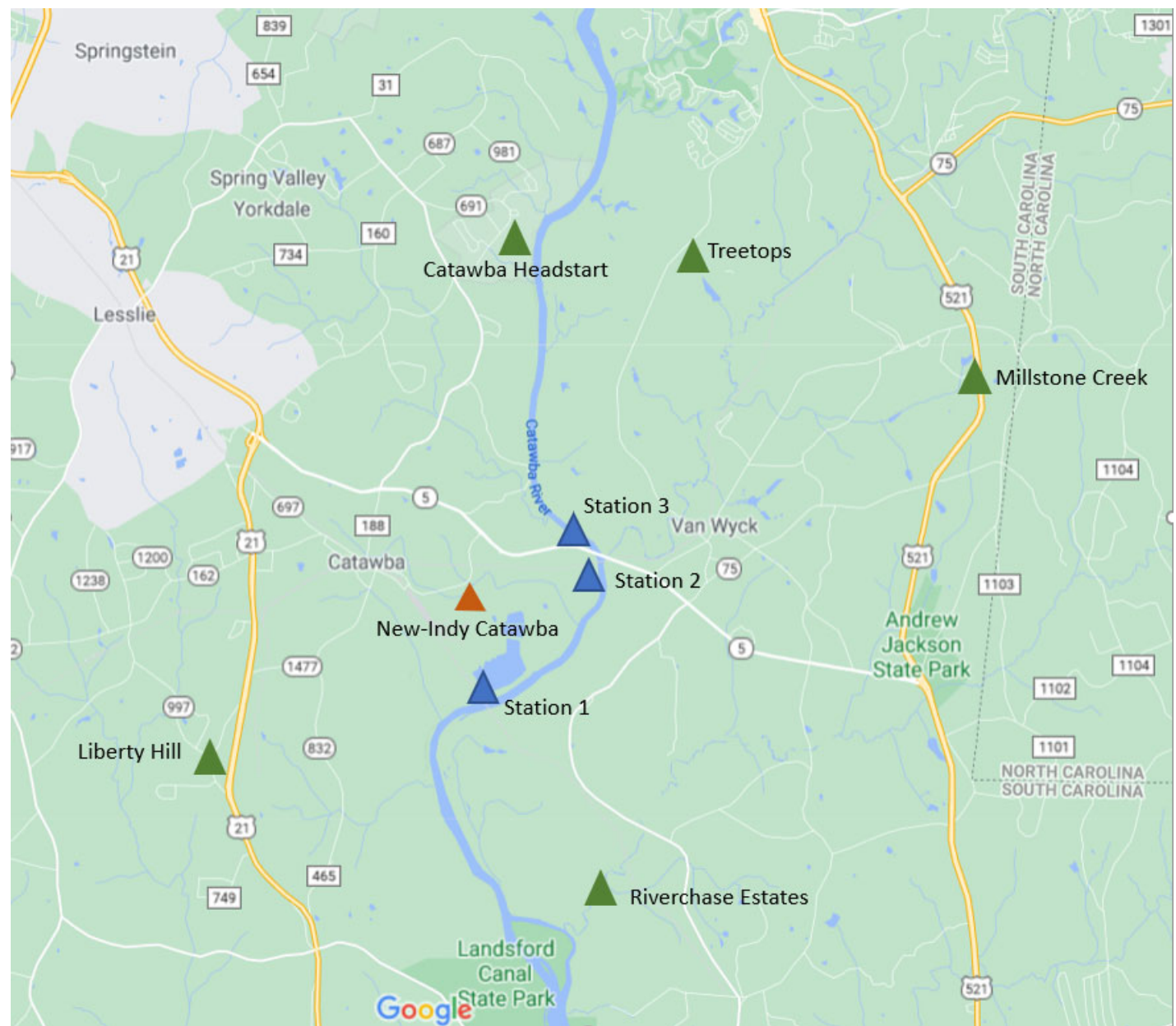
<sup>a,b</sup> Based on 30-minute averages.

### Notes:




|                  |   |
|------------------|---|
| ATSDR MRL        | Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL) |
| AEGL             | EPA Acute Exposure Guidelines Levels                                      |
| H <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.**  
**Station 2 wind rose was used for this report due to icing of the anemometer at Station 1.**





#### Legend

-  Offsite Fixed Monitoring Locations
-  Onsite Fixed Monitoring Locations
-  New-Indy Catawba

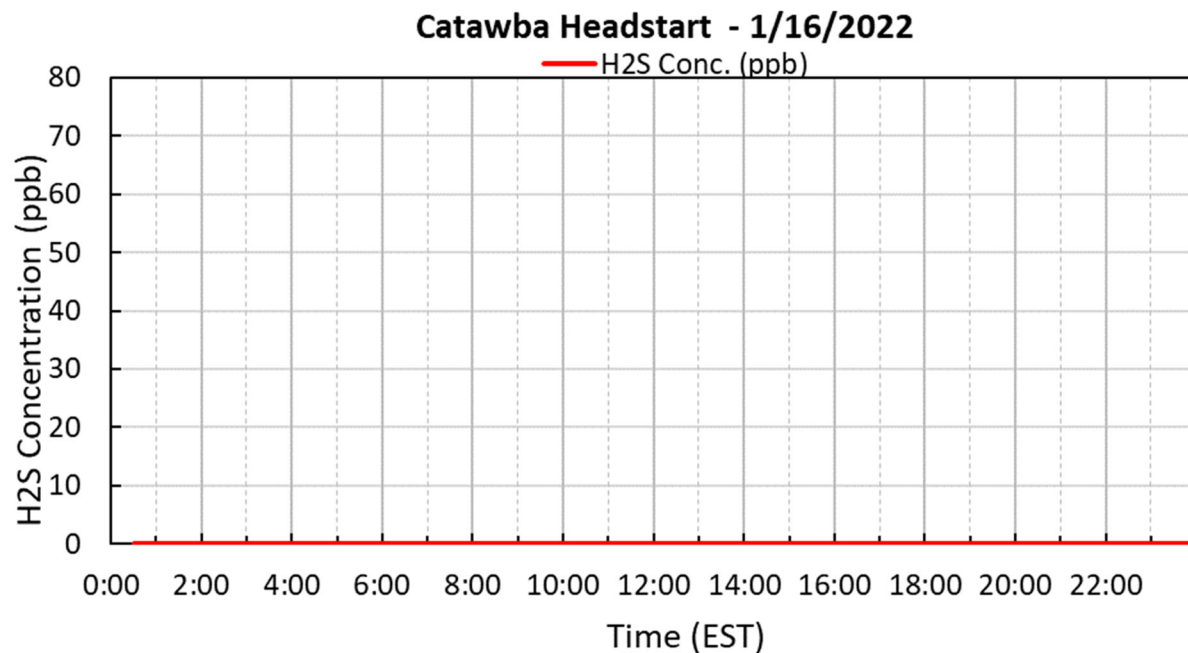
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Offsite Monitors

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

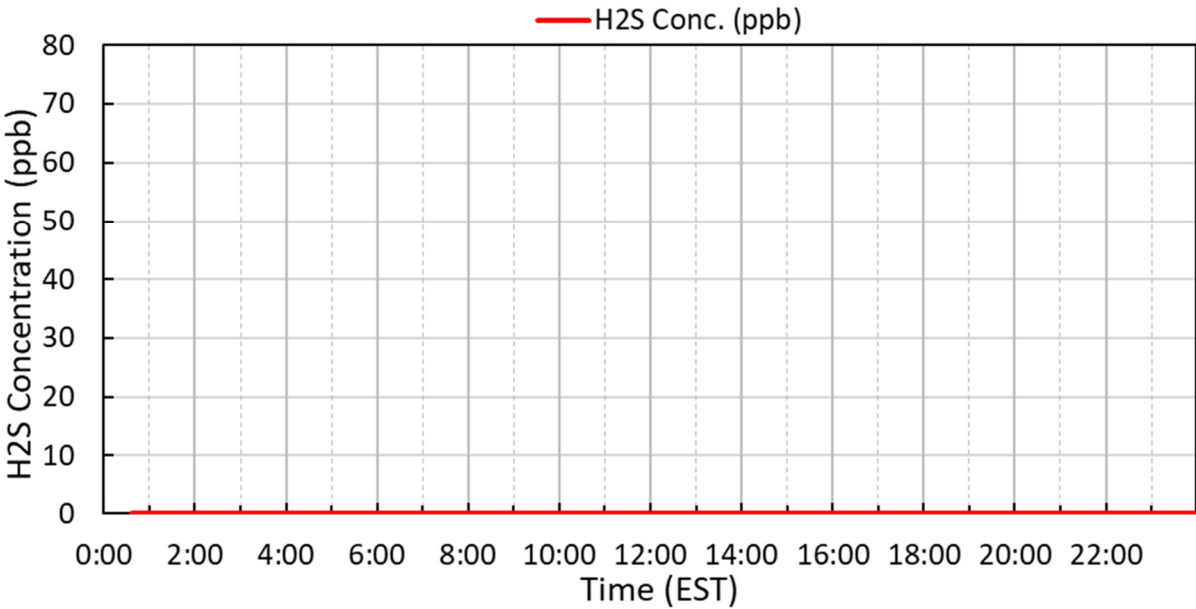
The five stand-alone H<sub>2</sub>S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds in the morning were from the northeast at 10 to 15 mph. Wind lightened to 2 to 6 mph during the early afternoon. Winds then shifted to the southwest late in the day.

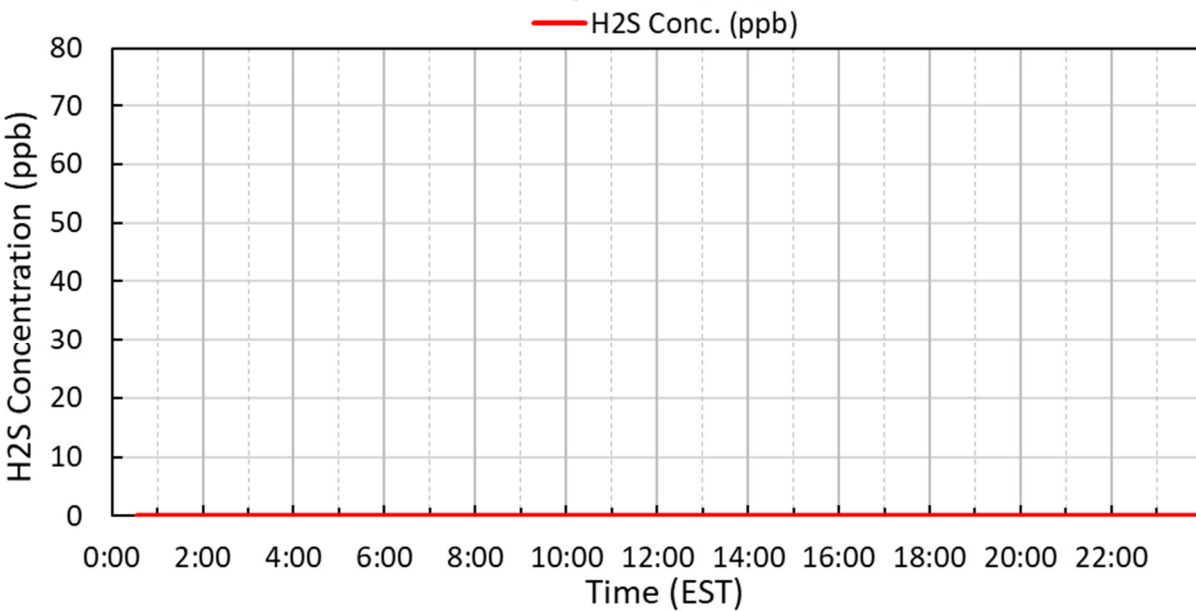
See wind rose diagram with aerial map figure for full wind data during this reporting period.



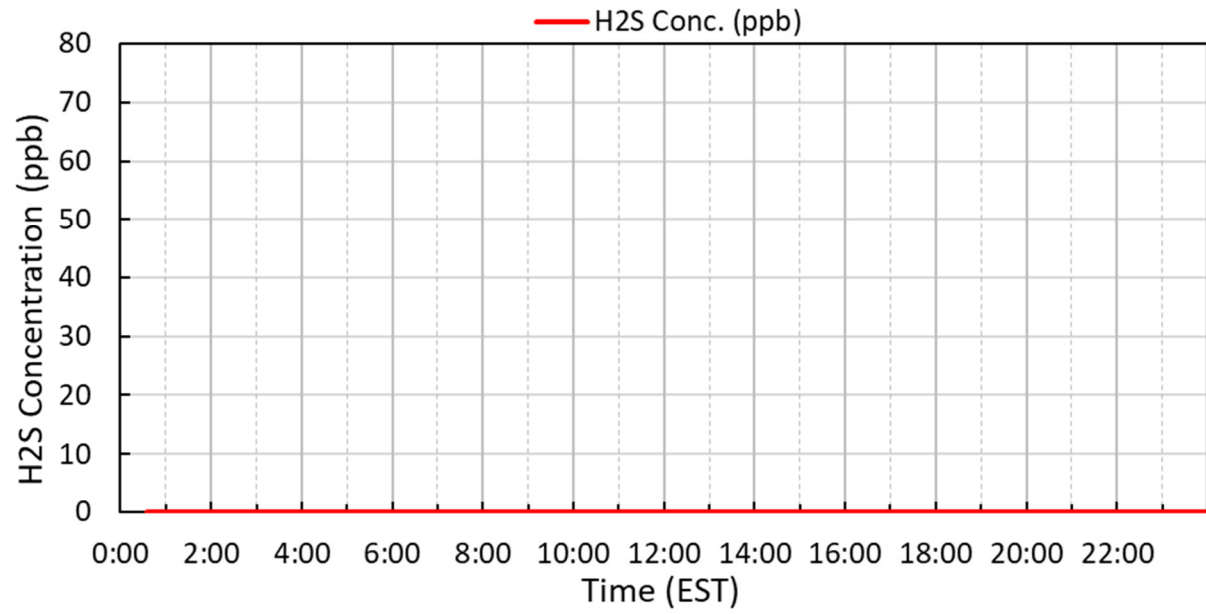
**Treetops - 1/16/2022**



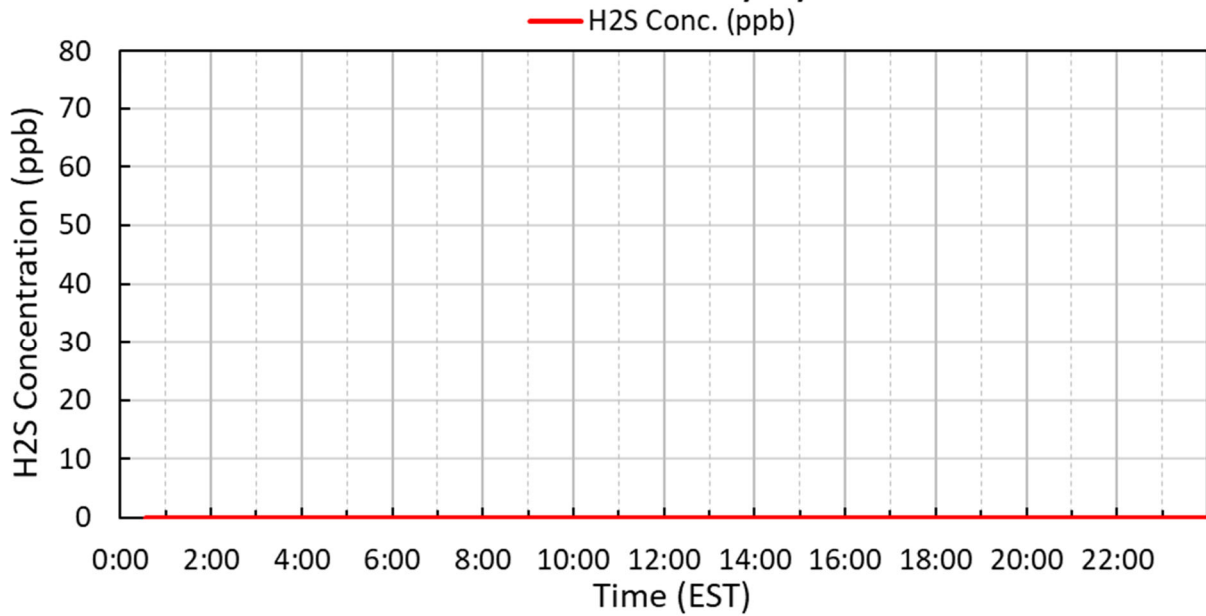
**Liberty Hill - 1/16/2022**



### Riverchase Estates - 1/16/2022



### Millstone Creek - 1/16/2022



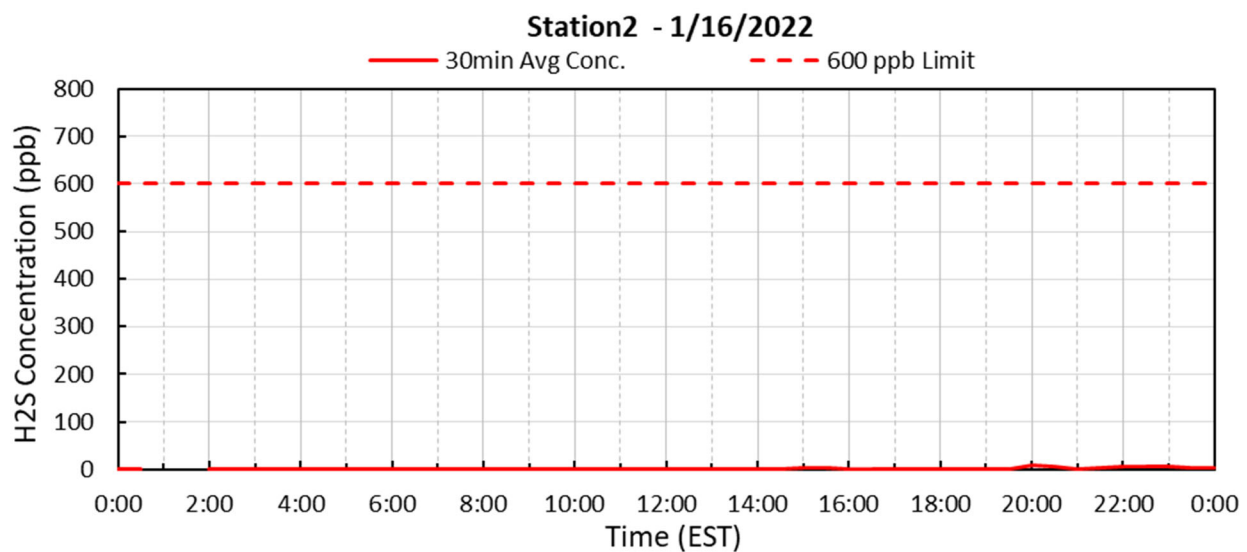
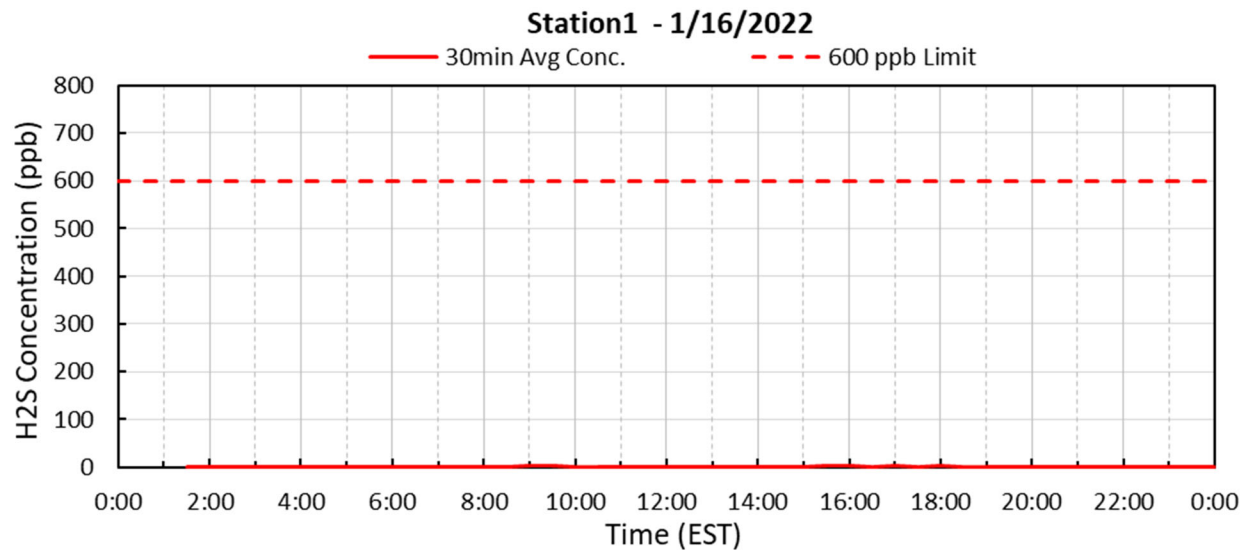
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Onsite Monitors

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 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 in the morning were from the northeast at 10 to 15 mph. Wind lightened to 2 to 6 mph during the early afternoon. Winds then shifted to the southwest late in the day.

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



### Station3 - 1/16/2022

