

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: 7/21/21 12:00 am **To:** 7/21/21 11:59 pm

Offsite Monitors

| Instrument | Analyte | ATSDR MRL 14-day Limit 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 – 6 ppb | 0.99 ppb | 0.45 ppb | 70 ppb |
| Treetops | | | | | | |
| Acrulog PPB | H ₂ S | No | 0 – 21 ppb | 2.20 ppb | 1.13 ppb | 70 ppb |
| Liberty Hill | | | | | | |
| Acrulog PPB | H ₂ S | No | 0 – 6 ppb | 1.05 ppb | 0.33 ppb | 70 ppb |
| Riverchase Estates | | | | | | |
| Acrulog PPB | H ₂ S | No | 0 – 47 ppb | 2.76 ppb | 0.79 ppb | 70 ppb |
| Millstone Creek | | | | | | |
| Acrulog PPB | H ₂ S | No | 0 – 8 ppb | 0.49 ppb | 0.12 ppb | 70 ppb |

^a Based on 10-minute averages.

Onsite Fenceline Monitors

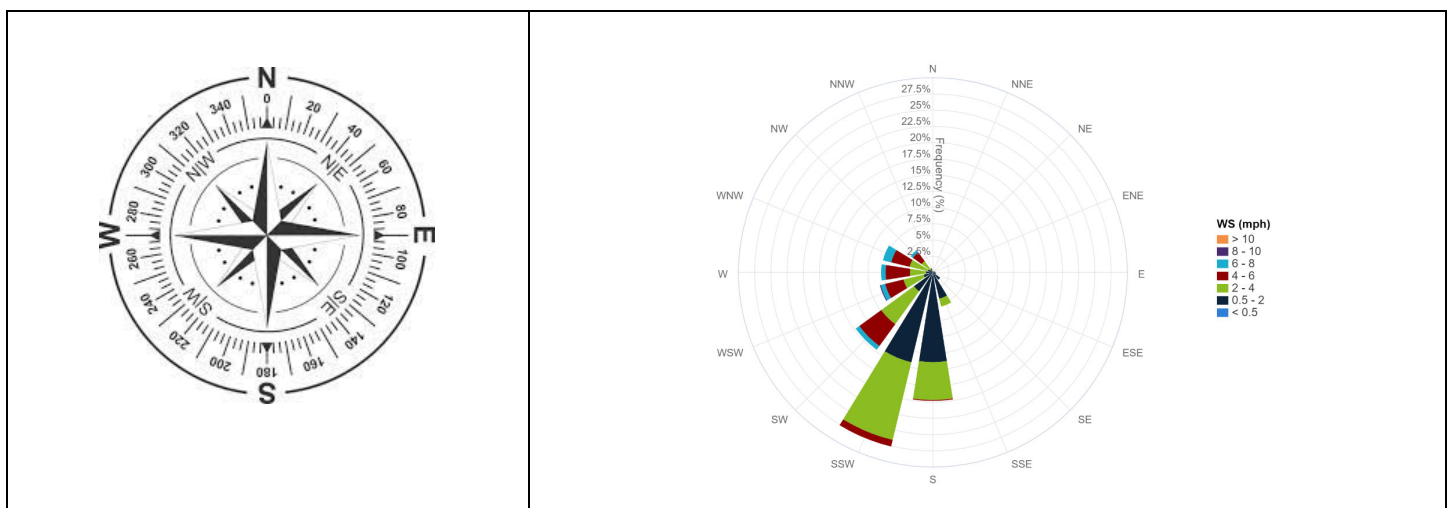
| Instrument | Analyte | 30-min AEGL Reached? | Concentration Range Detected ^b | 24-hr Average ^b | 7-day Average | 30-min AEGL |
|------------------|------------------|----------------------|---|----------------------------|---------------|-------------|
| Station 1 | | | | | | |
| TAPI Analyzer | H ₂ S | No | 1 – 63 ppb | 7.18 ppb | 4.14 ppb | 600 ppb |
| Station 2 | | | | | | |
| TAPI Analyzer | H ₂ S | No | 0 – 85 ppb | 16.98 ppb | 4.04 ppb | 600 ppb |
| Station 3 | | | | | | |
| TAPI Analyzer | H ₂ S | No | 0 – 235 ppb | 26.91 ppb | 15.70 ppb | 600 ppb |

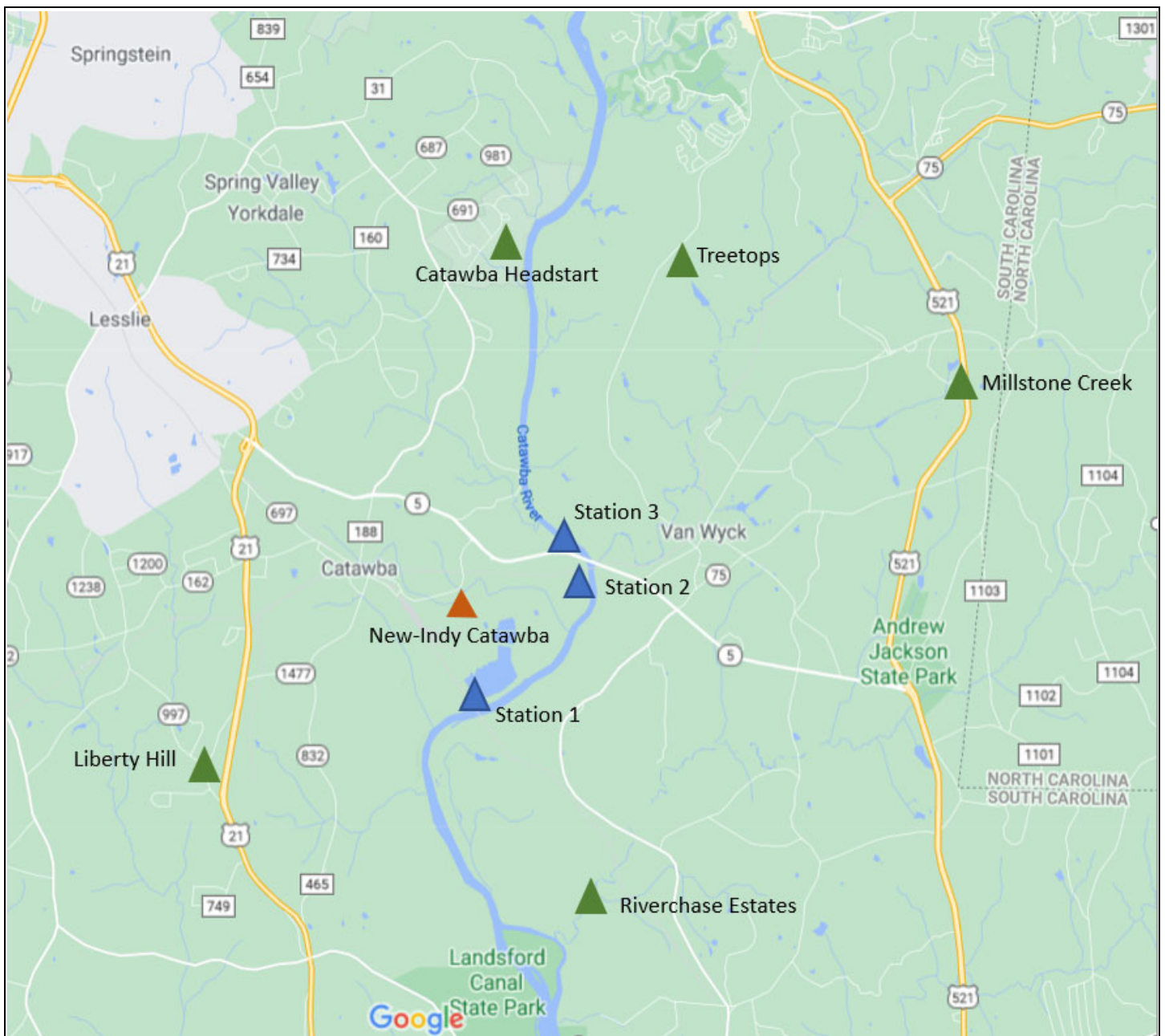
^b Based on 30-minute averages.

Notes:




- ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL)
- AEGL EPA Acute Exposure Guidelines Levels
- H₂S Hydrogen Sulfide
- TAPI Teledyne API H₂S 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

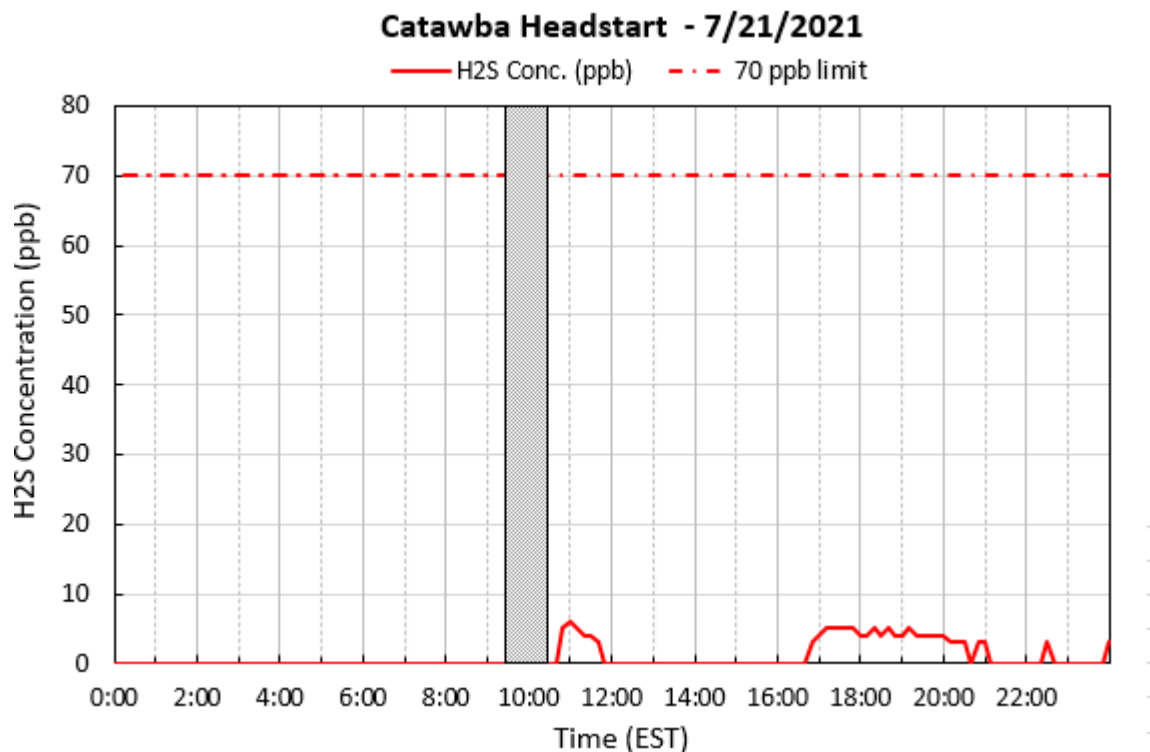
Below are graphs for offsite locations where hydrogen sulfide (H₂S) was detected during the current reporting period.

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.

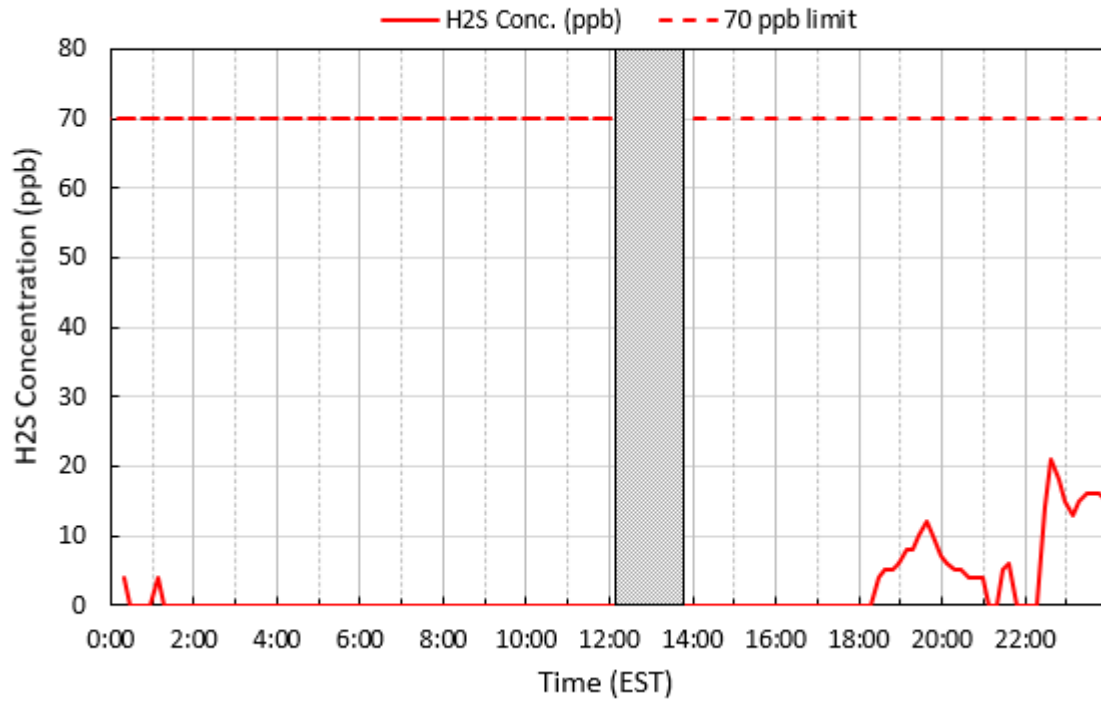
Winds were 1 to 3 miles per hour from the south through the morning, then increased to 2 to 5 miles per hour from the southwest during the afternoon.

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

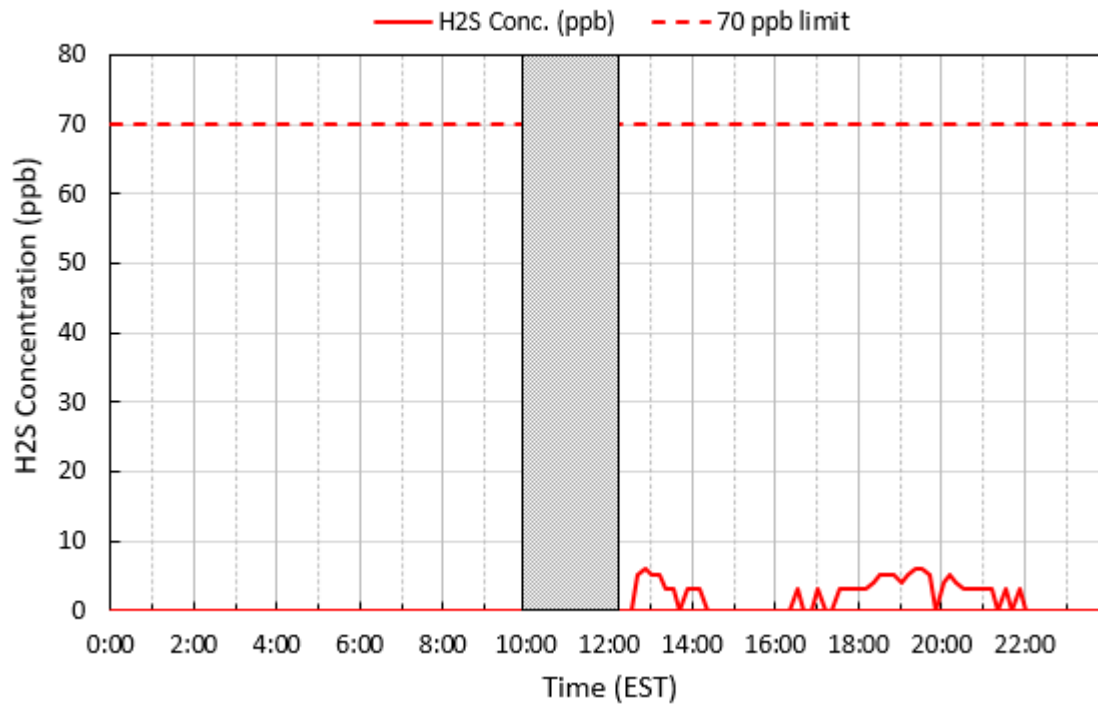
All five offsite monitors had rolling blackouts throughout the day due to staff performing routine maintenance. The data gap for each monitor is displayed in grey in that monitor's respective graph.



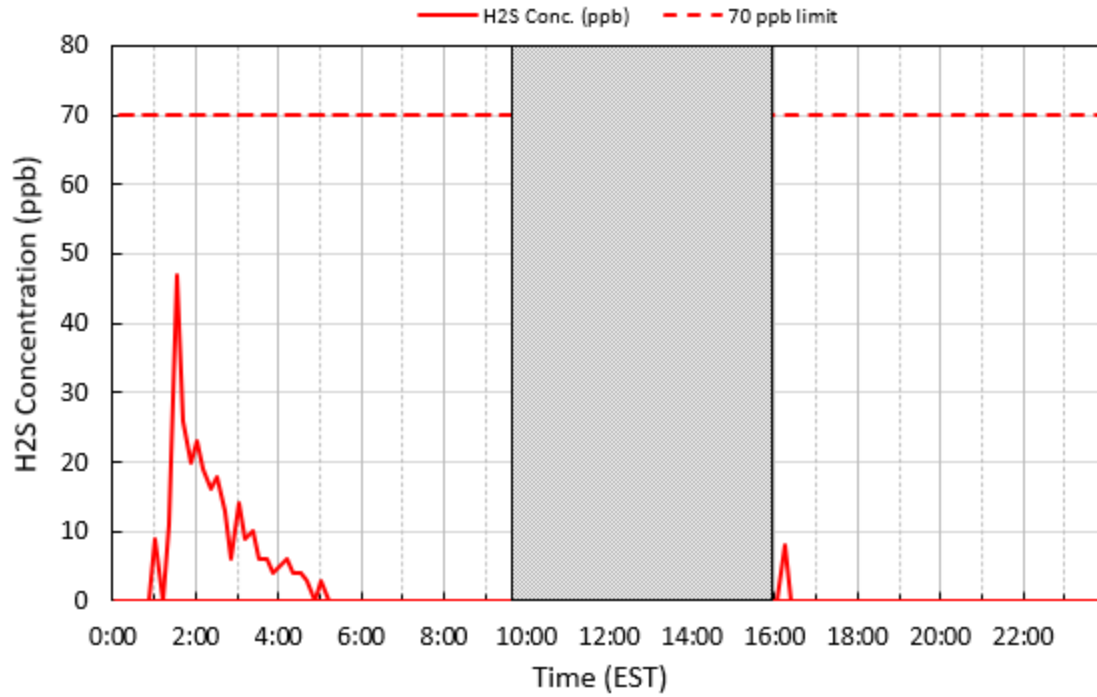
Treetops - 7/21/2021



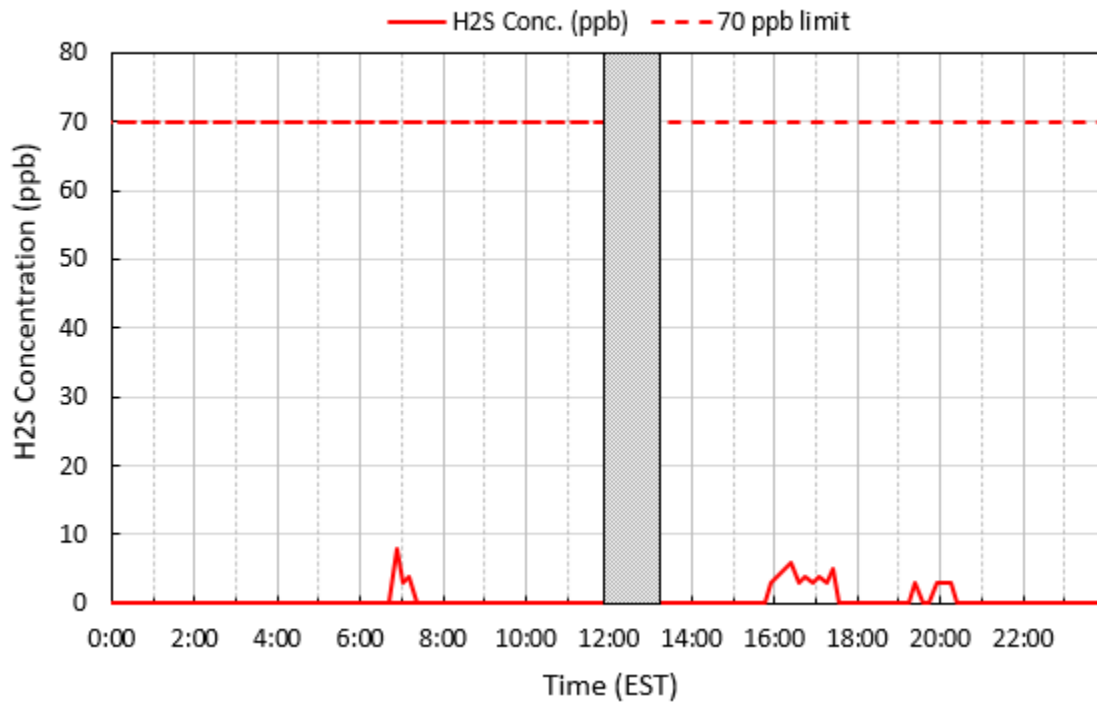
Liberty Hill - 7/21/2021



Riverchase Estates - 7/21/2021



Millstone Creek - 7/21/2021



Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

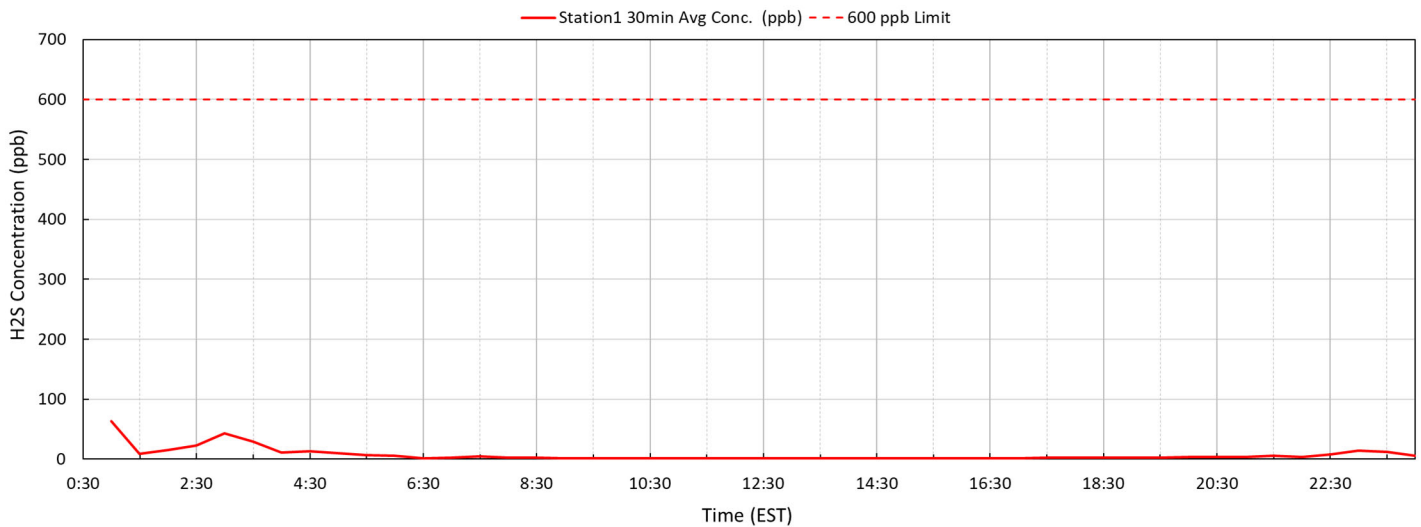
Below are graphs for onsite locations during the current reporting period.

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.

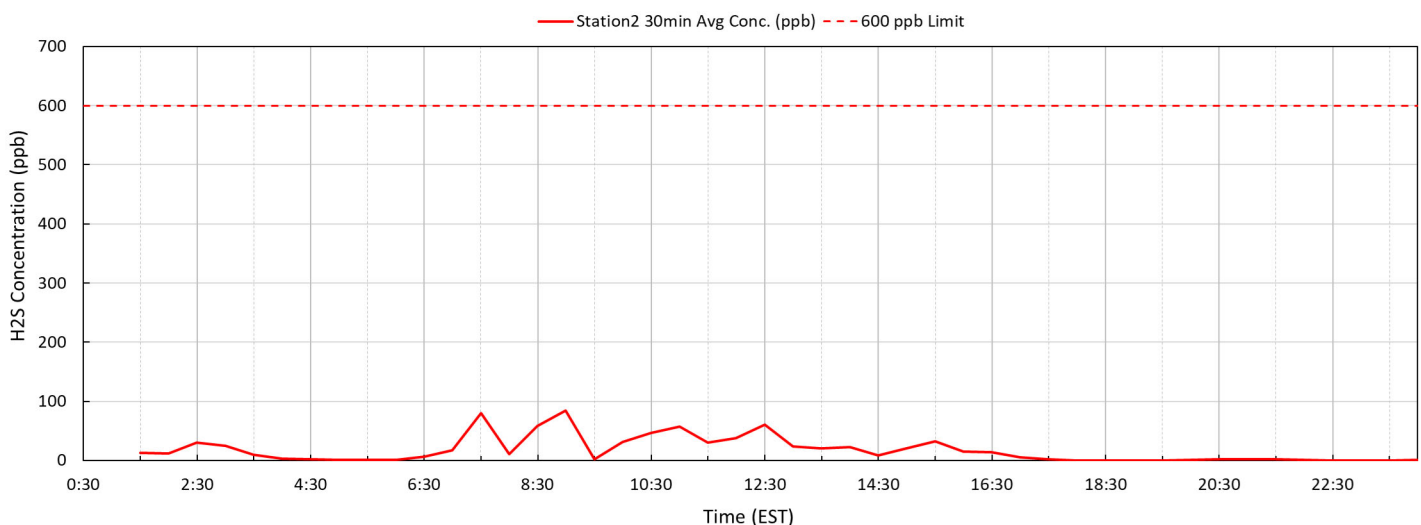
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Station1 - 7/21/2021



Station2 - 7/21/2021



Station3 - 7/21/2021

