

# 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:** 7/28/21 12:00 am **To:** 7/28/21 11:59 pm

## Offsite Monitors

Instrument	Analyte	ATSDR MRL 14-day Limit 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 – 77 ppb	2.82 ppb	2.84 ppb	70 ppb
<b>Treetops</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 21 ppb	2.93 ppb	1.06 ppb	70 ppb
<b>Liberty Hill</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 9 ppb	0.75 ppb	1.61 ppb	70 ppb
<b>Riverchase Estates</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 165 ppb	12.26 ppb	2.03 ppb	70 ppb
<b>Millstone Creek</b>						
Acrulog PPB	H <sub>2</sub> S	No	0 – 5 ppb	0.06 ppb	0.10 ppb	70 ppb

<sup>a</sup> Based on 10-minute averages.

## Onsite Fenceline Monitors

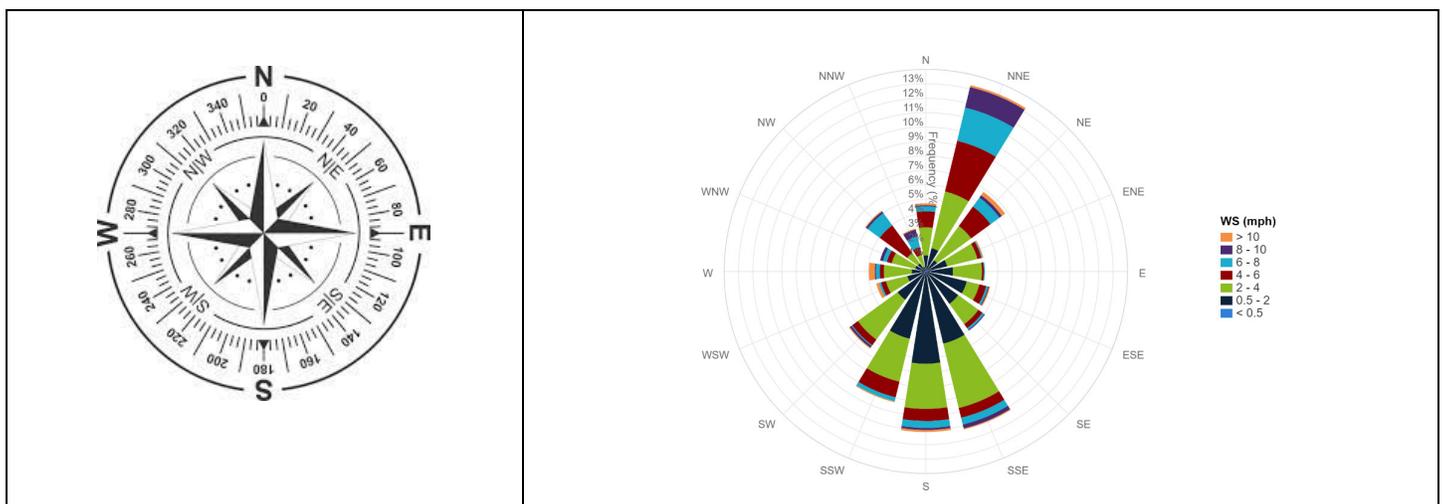
Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected <sup>b</sup>	24-hr Average <sup>b</sup>	7-day Average	30-min AEGL
<b>Station 1</b>						
TAPI Analyzer	H <sub>2</sub> S	No	1 – 211 ppb	33.65 ppb	15.87 ppb	600 ppb
<b>Station 2</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 24 ppb	4.39 ppb	2.34 ppb	600 ppb
<b>Station 3</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 148 ppb	13.16 ppb	8.27 ppb	600 ppb

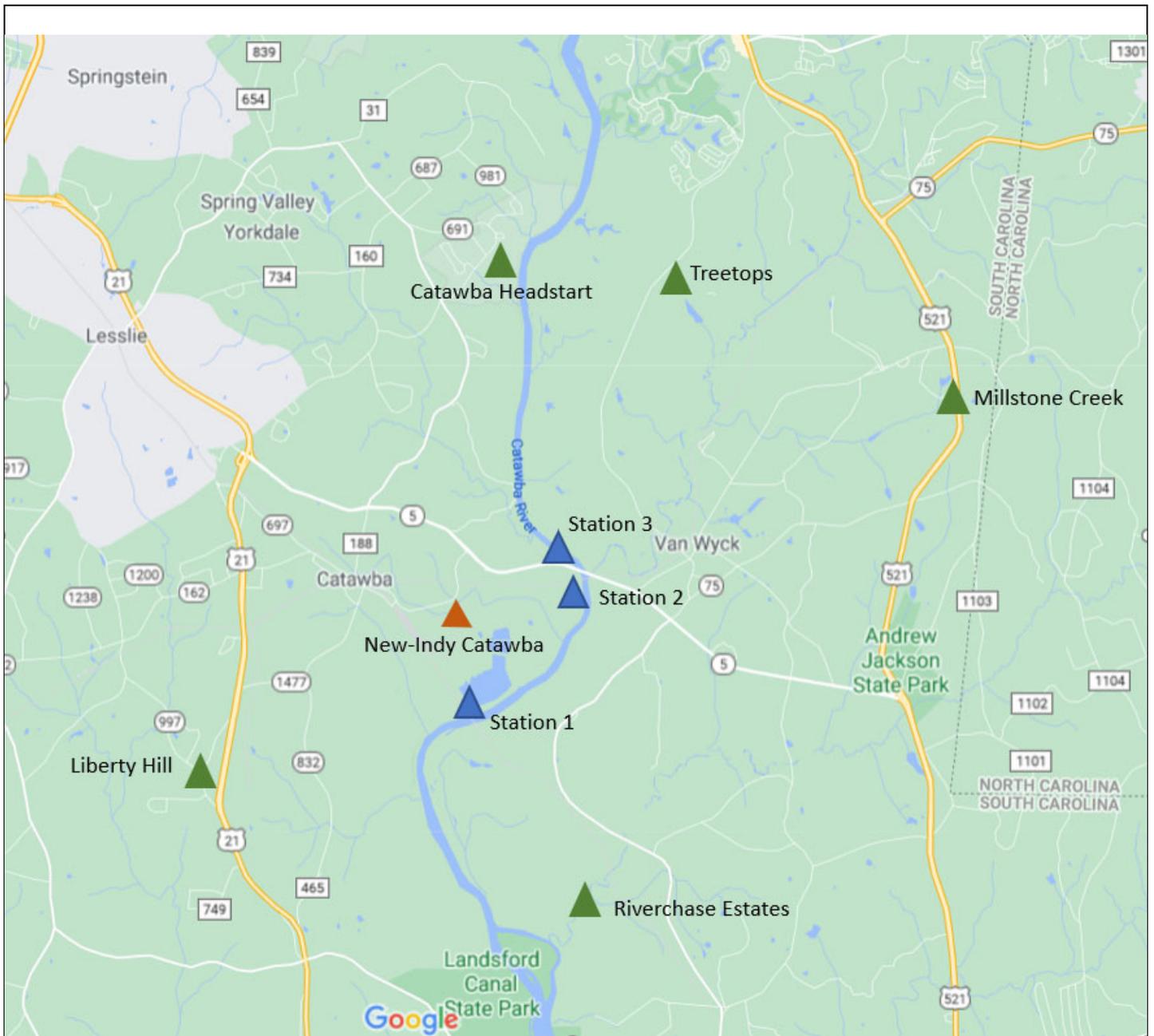
<sup>b</sup> Based on 30-minute averages.

### 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.**





**Legend**

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

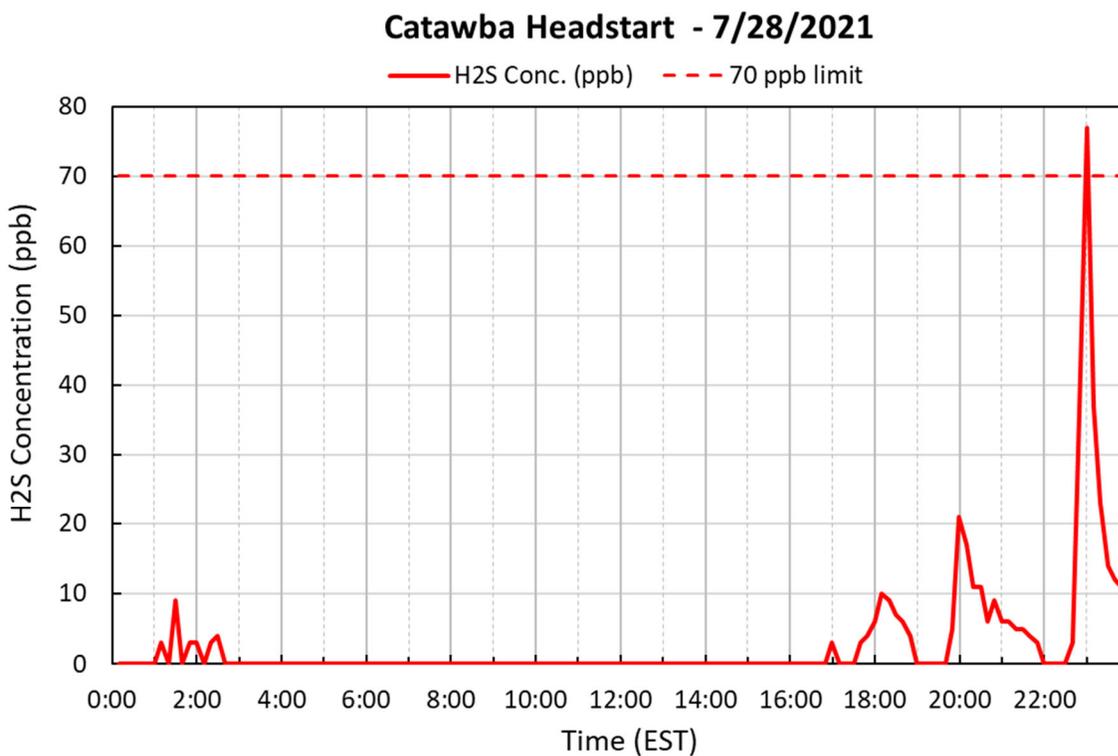
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Offsite Monitors

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

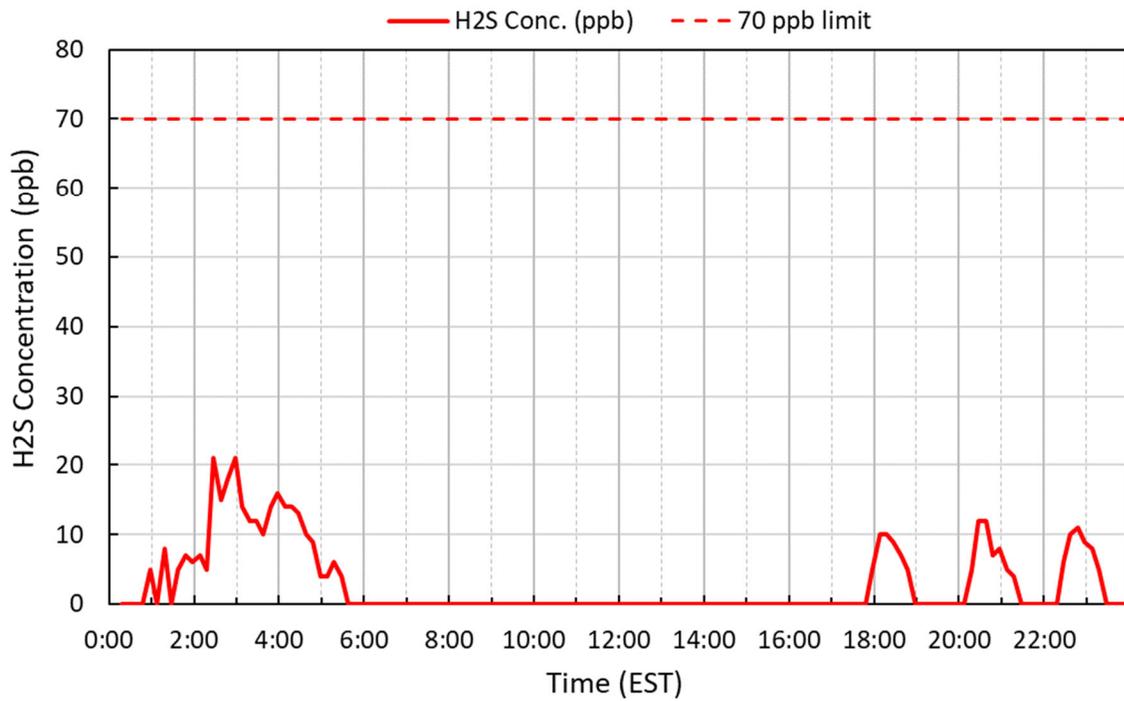
The five stand-alone H<sub>2</sub>S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were swirling throughout the day, predominantly from 1 to 4 miles per hour from the south with occasional gusts from the north-northeast at 2 to 10 miles per hour.

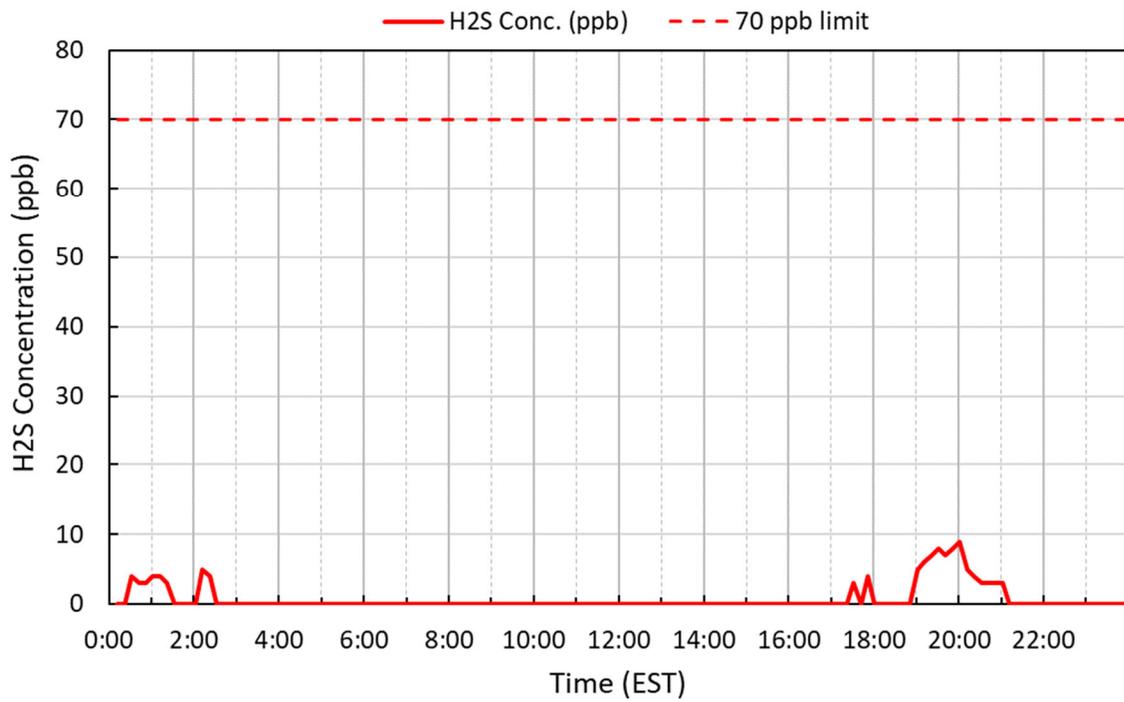
See wind rose diagram with aerial map figure for full wind data during this reporting period.



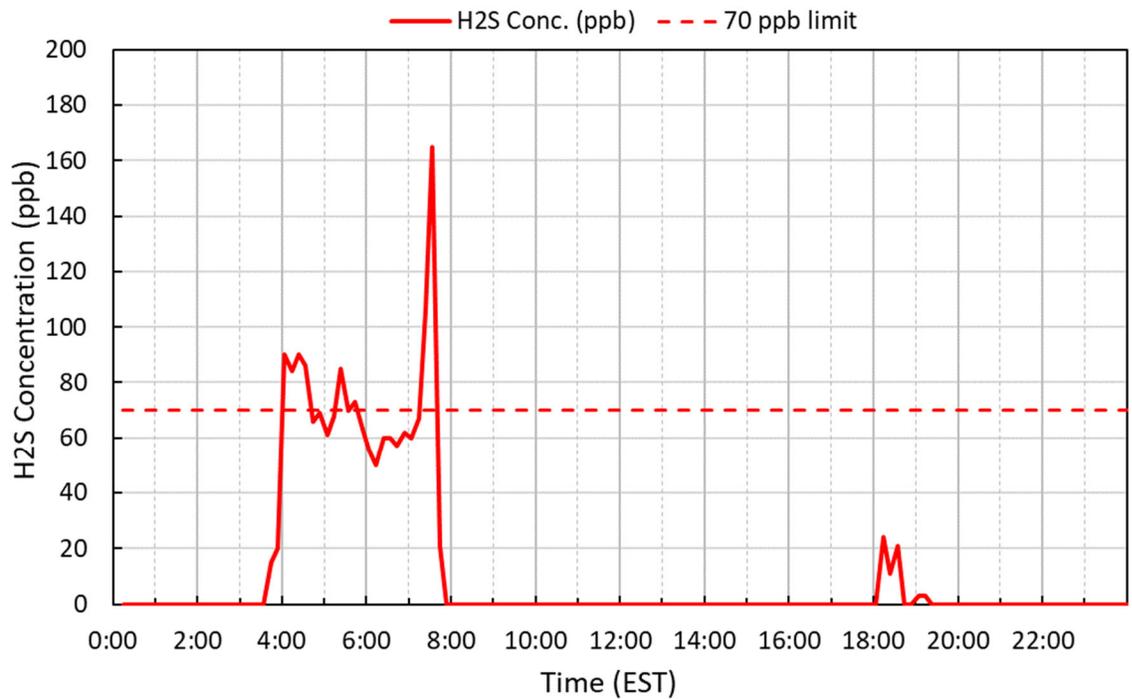
### Treetops - 7/28/2021



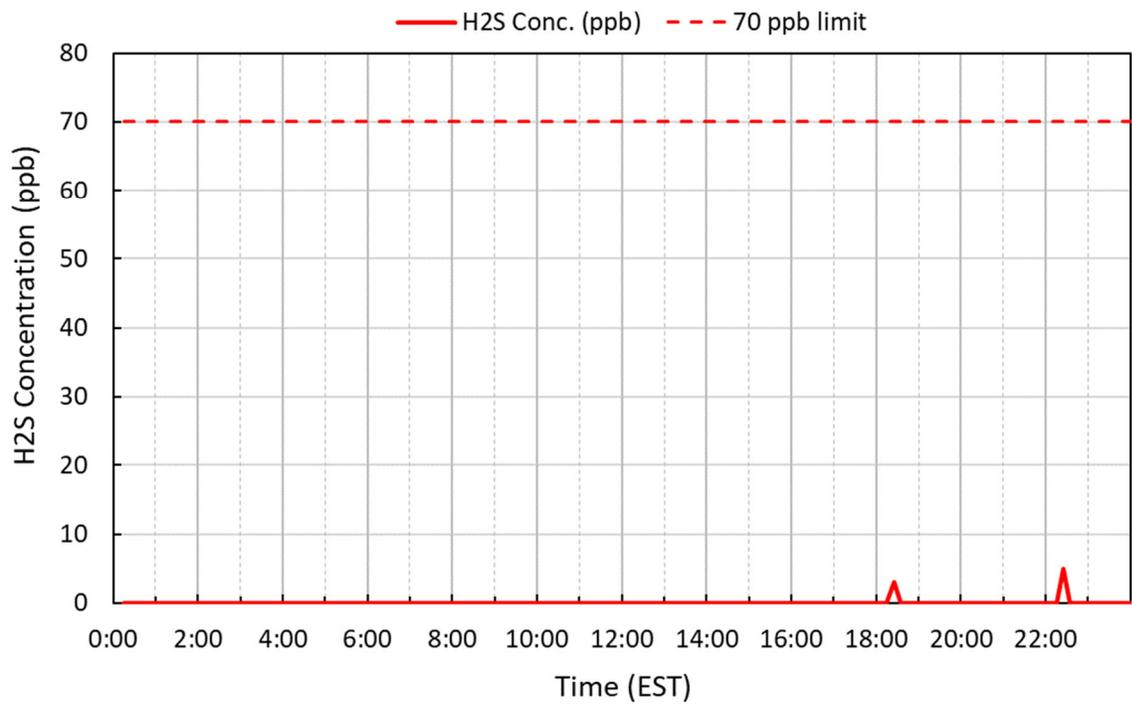
### Liberty Hill - 7/28/2021



### Riverchase Estates - 7/28/2021



### Millstone Creek - 7/28/2021



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

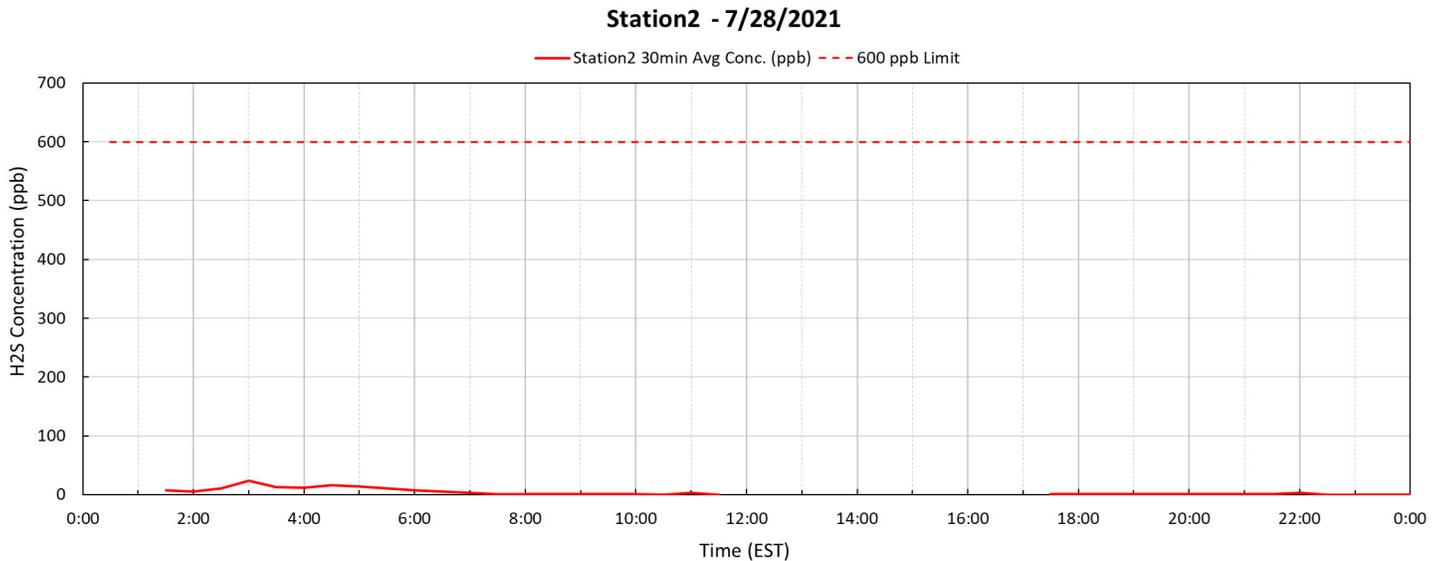
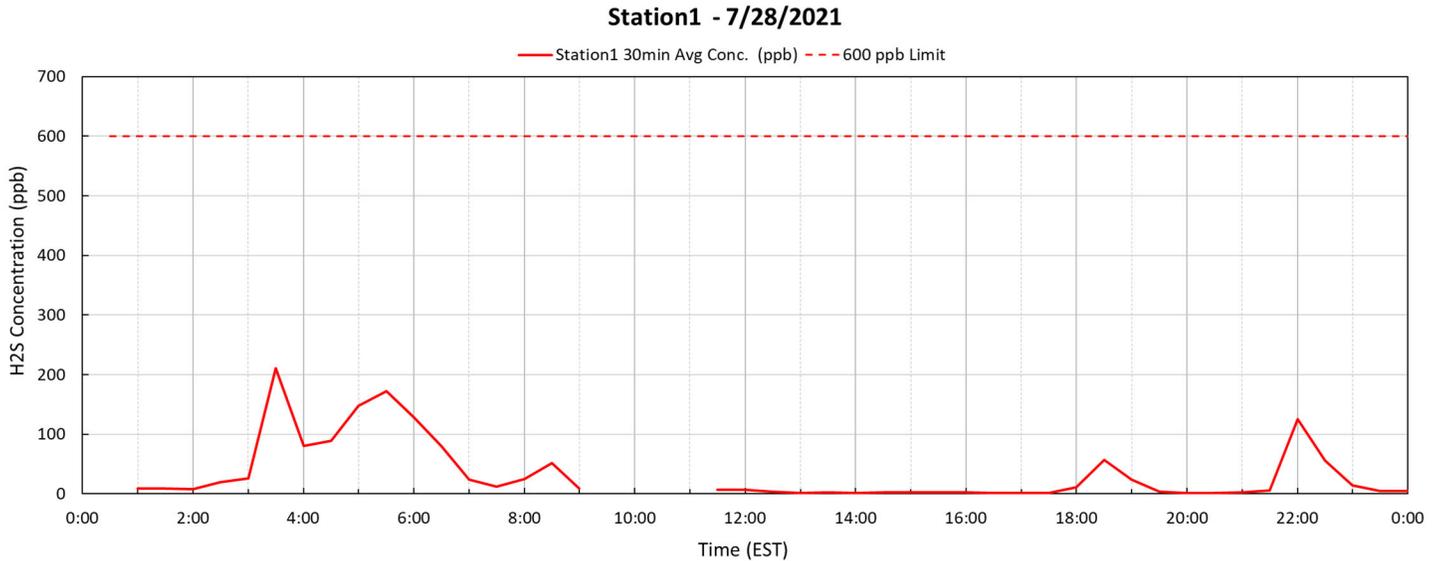
Below are graphs for onsite locations during the current reporting period.

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 were swirling throughout the day, predominantly from 1 to 4 miles per hour from the south with occasional gusts from the north-northeast at 2 to 10 miles per hour.

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

All three on site stations were down periodically throughout the day for quarterly maintenance.



### Station3 - 7/28/2021

