

# Air Monitoring Summary Tables

The table below summarizes monitoring data collected using the H<sub>2</sub>S analyzers deployed at the onsite stations. All times in Eastern Standard Time (EST).

**From: 11/15/24 12:00 am**

**To: 11/15/24 11:59 pm**

## 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 – 5 ppb	1.48 ppb <sup>b</sup>	2.11 ppb	600 ppb
<b>Station 2</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 0 ppb	0.20 ppb <sup>c</sup>	0.29 ppb	600 ppb
<b>Station 3</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 0 ppb	0.20 ppb	0.28 ppb	600 ppb

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

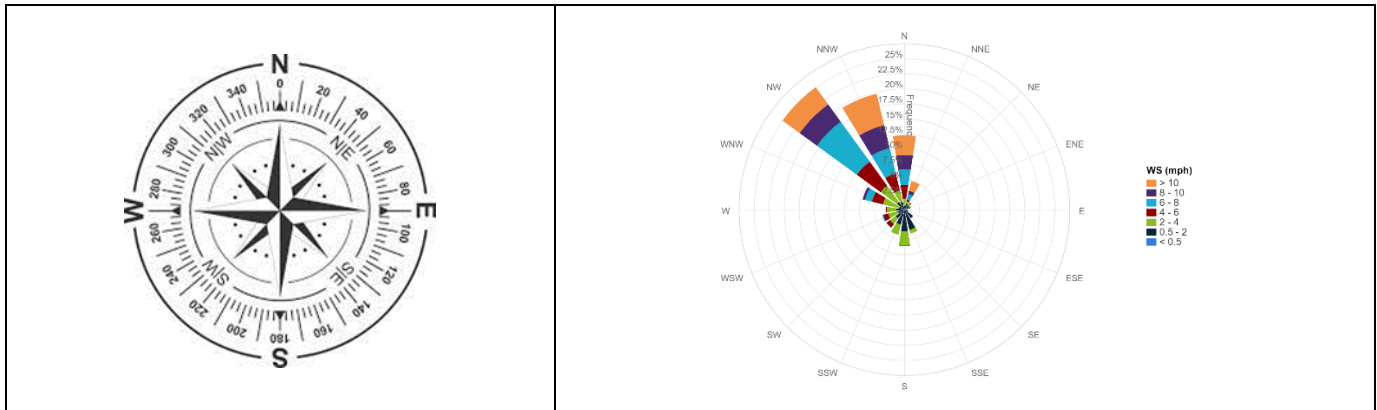
<sup>b</sup> The 24-hour H<sub>2</sub>S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.

<sup>c</sup> The 24-hour H<sub>2</sub>S average at Station 2 from the start of the sampling period to the end of the sampling period is represented by the backup unit data

### 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

**Station 1 Wind Rose – Shows the direction the wind is coming from, the monitoring station being at the center of the rose.**





**Legend**

-  Onsite Fixed Monitoring Locations
-  New-Indy Catawba

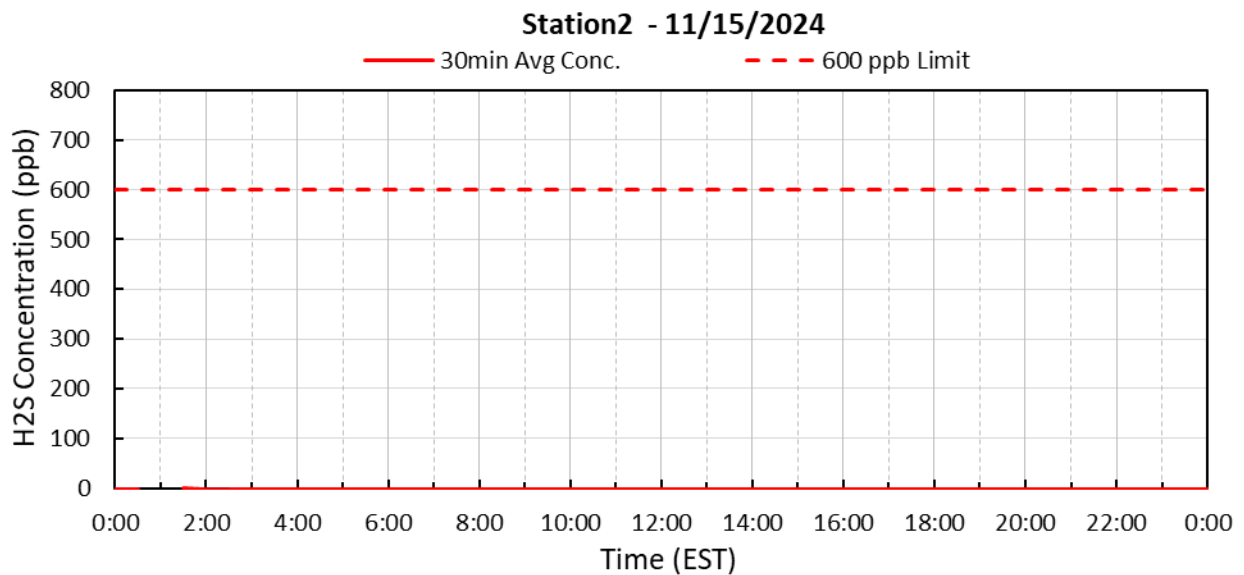
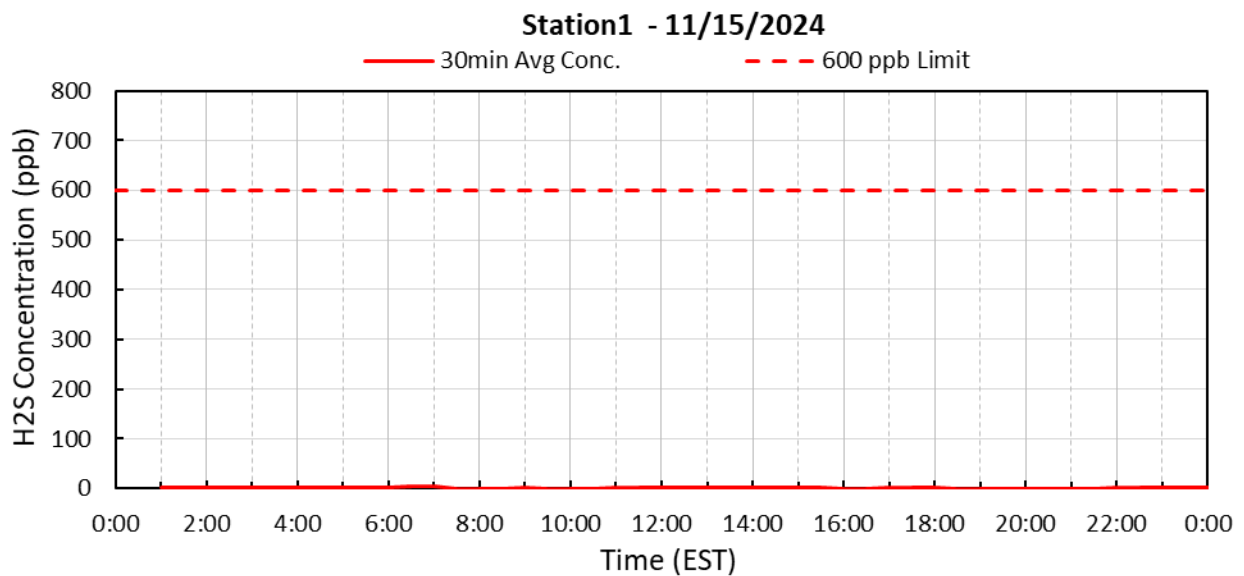
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Onsite Monitors

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

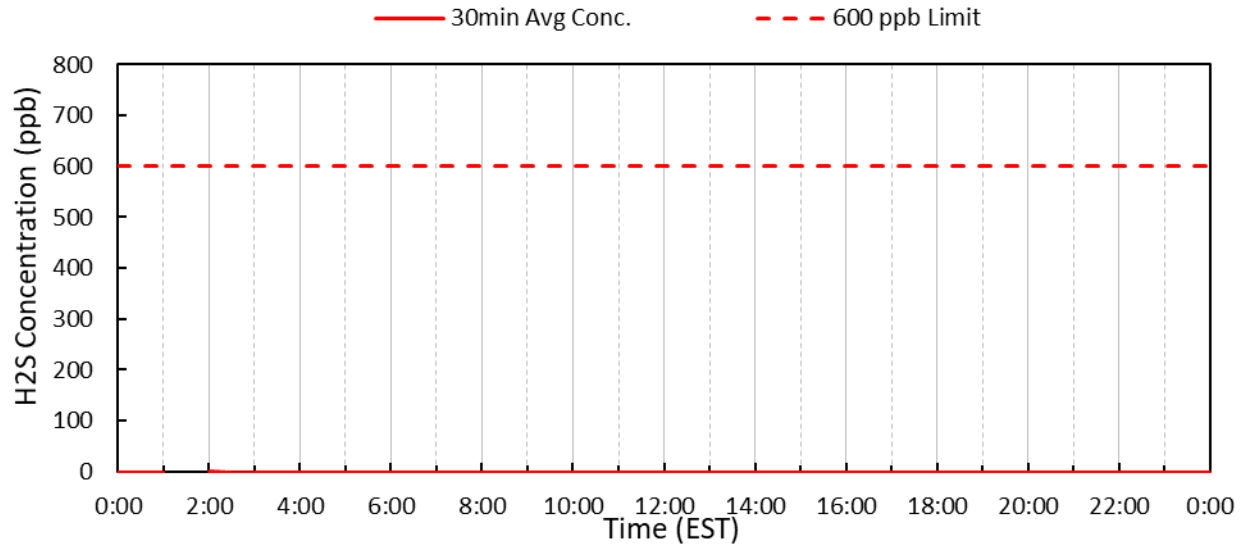
Depending on wind direction, the H<sub>2</sub>S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from a variable direction throughout the day at 1 to 13 mph.

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



### Station3 - 11/15/2024



Submitted Fenceline H<sub>2</sub>S and Met 30-minute Data

30-Minute Avgs	Station 1			Station 2			Station 3		
	H2S	Met		H2S	Met		H2S	Met	
	30min Avg H2S Conc.	30min Avg WS	30min Avg WD	30min Avg H2S Conc.	30min Avg WS	30min Avg WD	30min Avg H2S Conc.	30min Avg WS	30min Avg WD
Date / Time	ppb	mph	degrees	ppb	mph	degrees	ppb	mph	degrees
11/15/2024 0:30	AX	5.9	340	0.2	3.2	348	0.2	2.4	354
11/15/2024 1:00	3.2	6.6	342	AX	2.9	349	0.2	3.0	352
11/15/2024 1:30	3.0	6.9	333	0.4	3.3	332	AX	2.8	344
11/15/2024 2:00	2.9	5.3	304	0.2	1.4	333	0.4	0.7	307
11/15/2024 2:30	3.0	7.8	309	0.2	1.8	308	0.2	0.8	283
11/15/2024 3:00	2.7	7.0	313	0.2	2.8	312	0.2	1.5	326
11/15/2024 3:30	2.1	7.1	319	0.2	3.4	327	0.2	2.4	343
11/15/2024 4:00	2.3	7.2	314	0.2	3.2	334	0.2	1.7	342
11/15/2024 4:30	2.0	6.5	308	0.2	3.6	326	0.2	1.9	330
11/15/2024 5:00	1.5	8.2	325	0.2	3.1	346	0.2	2.0	347
11/15/2024 5:30	1.3	5.5	333	0.2	2.9	343	0.2	2.3	348
11/15/2024 6:00	1.7	6.8	350	0.2	2.4	333	0.2	1.7	336
11/15/2024 6:30	4.3	5.8	7	0.2	2.3	353	0.2	1.6	348
11/15/2024 7:00	4.6	2.8	327	0.2	1.3	328	0.2	0.6	249
11/15/2024 7:30	0.7	2.6	257	0.2	0.9	283	0.2	1.2	229
11/15/2024 8:00	0.5	4.5	243	0.2	2.4	280	0.2	0.9	270
11/15/2024 8:30	0.7	2.8	283	0.2	2.3	307	0.2	0.8	320
11/15/2024 9:00	1.3	3.5	303	0.2	2.6	303	0.2	1.1	232
11/15/2024 9:30	0.8	2.6	294	0.2	2.3	280	0.2	1.1	341
11/15/2024 10:00	0.6	3.2	297	0.2	2.1	306	0.2	1.3	349
11/15/2024 10:30	0.8	2.1	66	0.2	1.7	313	0.2	1.0	355
11/15/2024 11:00	1.7	2.9	18	0.2	2.4	295	0.2	1.5	346
11/15/2024 11:30	1.0	6.6	326	0.2	2.0	311	0.2	1.1	350
11/15/2024 12:00	1.5	9.2	348	0.2	3.6	347	0.2	3.2	358
11/15/2024 12:30	1.3	10.8	335	0.2	5.3	345	0.2	4.7	343
11/15/2024 13:00	1.3	13.0	345	0.2	4.9	348	0.2	3.6	346
11/15/2024 13:30	1.9	11.5	357	0.2	4.6	324	0.2	2.0	342
11/15/2024 14:00	1.0	10.2	346	0.2	5.1	341	0.2	3.0	350
11/15/2024 14:30	1.4	9.1	349	0.2	3.4	360	0.2	2.7	355
11/15/2024 15:00	1.2	10.4	354	0.2	5.1	345	0.2	4.1	354
11/15/2024 15:30	1.2	9.8	334	0.2	3.8	0	0.2	4.8	356
11/15/2024 16:00	0.6	10.6	336	0.2	4.8	346	0.2	3.5	345
11/15/2024 16:30	0.8	11.8	338	0.2	4.4	344	0.2	3.7	347
11/15/2024 17:00	1.2	7.1	339	0.2	4.0	334	0.2	2.6	328
11/15/2024 17:30	2.0	5.5	325	0.2	1.4	357	0.2	0.6	250
11/15/2024 18:00	1.6	2.1	244	0.2	0.4	32	0.2	0.5	251
11/15/2024 18:30	0.2	2.7	200	0.2	0.4	86	0.2	0.4	262
11/15/2024 19:00	0.4	1.5	201	0.2	0.8	29	0.2	0.3	318
11/15/2024 19:30	0.5	1.7	187	0.2	1.4	38	0.2	0.4	12
11/15/2024 20:00	0.2	1.7	206	0.2	1.0	33	0.2	0.5	314
11/15/2024 20:30	0.2	1.5	203	0.2	1.1	12	0.2	0.4	345
11/15/2024 21:00	0.4	1.4	336	0.2	1.0	42	0.2	0.4	338
11/15/2024 21:30	0.8	2.0	325	0.2	1.1	24	0.2	0.4	355
11/15/2024 22:00	1.0	0.9	111	0.2	1.1	31	0.2	0.4	349
11/15/2024 22:30	1.3	1.4	224	0.2	1.2	52	0.2	0.3	14
11/15/2024 23:00	1.9	1.9	176	0.2	0.4	51	0.2	0.2	346
11/15/2024 23:30	1.6	1.5	155	0.2	0.9	47	0.2	0.4	30
11/16/2024 0:00	1.5	1.6	176	0.2	0.5	18	0.2	0.3	3

AQS Null Data Codes	
Qualifier Code	Item Description
AB	TECHNICIAN UNAVAILABLE
AC	CONSTRUCTION/REPAIRS IN AREA
AD	SHELTER STORM DAMAGE
AE	SHELTER TEMPERATURE OUTSIDE LIMITS
AI	INSUFFICIENT DATA (CAN'T CALCULATE)
AM	MISCELLANEOUS VOID
AN	MACHINE MALFUNCTION
AO	BAD WEATHER
AP	VANDALISM
AS	POOR QUALITY ASSURANCE RESULTS
AT	CALIBRATION
AU	MONITORING WAIVED
AV	POWER FAILURE (POWR)
AW	WILDLIFE DAMAGE
AX	PRECISION CHECK (PREC)
AY	Q C CONTROL POINTS (ZERO/SPAN)
BA	MAINTENANCE/ROUTINE REPAIRS
BB	UNABLE TO REACH SITE
BC	MULTI-POINT CALIBRATION
BD	AUTO CALIBRATION
BE	BUILDING/SITE REPAIR
BF	PRECISION/ZERO/SPAN
BJ	OPERATOR ERROR
BK	SITE COMPUTER/DATA LOGGER DOWN
BL	Q C AUDIT (AUDT)
EC	EXCEED CRITICAL CRITERIA