

# 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:** 12/05/24 12:00 am

**To:** 12/05/24 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 – 3 ppb	0.82 ppb <sup>b</sup>	1.60 ppb	600 ppb
<b>Station 2</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 1 ppb	0.34 ppb <sup>c</sup>	0.35 ppb	600 ppb
<b>Station 3</b>						
TAPI Analyzer	H <sub>2</sub> S	No	0 – 2 ppb	0.51 ppb	0.41 ppb	600 ppb

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

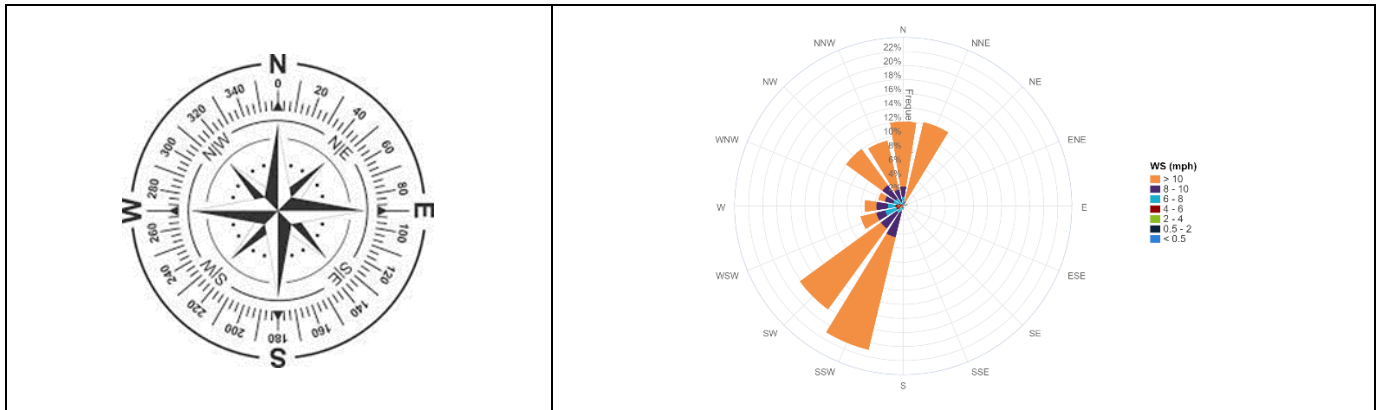
<sup>b</sup> The 24-hour H<sub>2</sub>S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.

<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

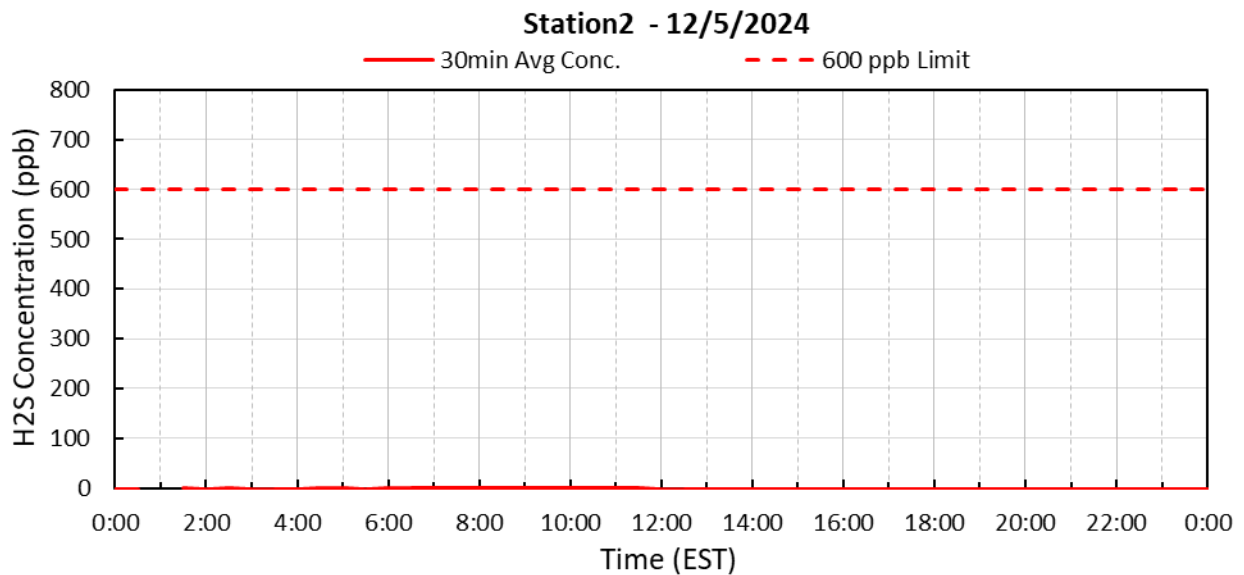
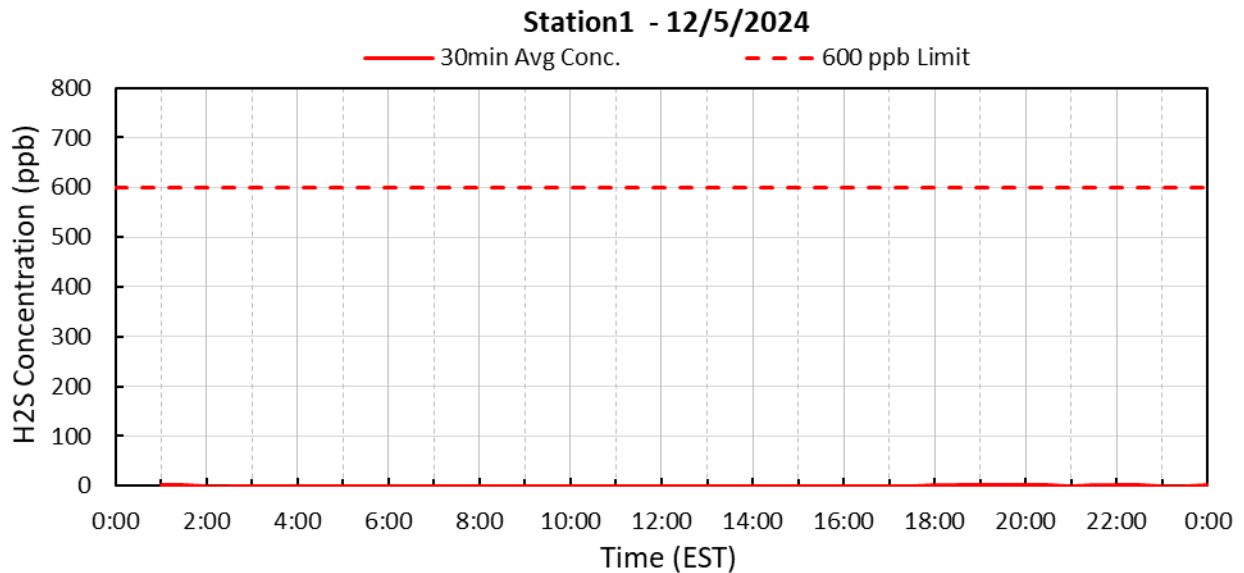
## Period H<sub>2</sub>S Monitoring Hydrogen Sulfide Onsite Monitors

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

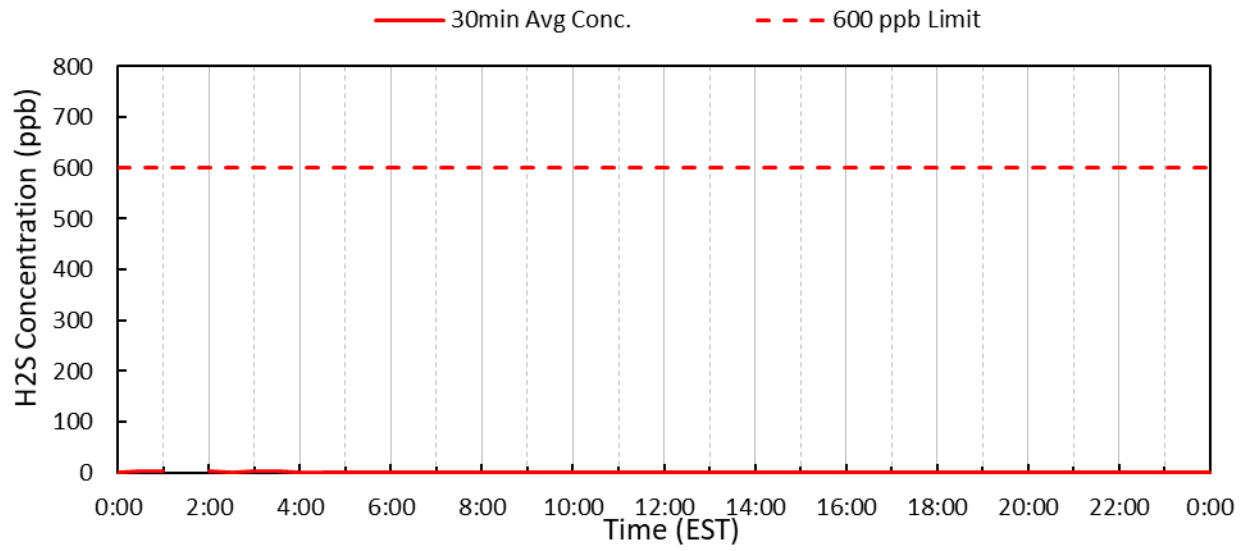
Depending on wind direction, the H<sub>2</sub>S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from a variable direction throughout the day at 6 to 18 mph.

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



### Station3 - 12/5/2024



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
12/5/2024 0:30	AX	12.6	202	0.2	8.6	221	1.6	5.2	218
12/5/2024 1:00	2.6	11.6	204	AX	9.7	221	1.8	5.9	223
12/5/2024 1:30	1.3	10.9	206	0.5	9.2	225	AX	5.8	226
12/5/2024 2:00	0.8	12.8	210	0.2	10.4	228	1.9	6.7	229
12/5/2024 2:30	0.6	12.9	210	0.4	10.1	230	1.3	6.2	229
12/5/2024 3:00	0.5	12.4	209	0.2	10.1	224	1.8	6.6	223
12/5/2024 3:30	0.5	12.3	208	0.2	9.8	222	1.7	6.2	220
12/5/2024 4:00	0.5	11.1	209	0.2	9.9	230	1.5	6.2	227
12/5/2024 4:30	0.6	15.5	213	0.4	11.1	232	0.9	6.6	231
12/5/2024 5:00	0.6	13.3	216	0.4	10.3	233	0.7	6.1	229
12/5/2024 5:30	0.6	12.9	212	0.2	9.9	232	1.1	6.3	227
12/5/2024 6:00	0.7	13.1	211	0.4	11.3	231	1.0	6.5	233
12/5/2024 6:30	0.6	12.3	214	0.5	10.1	232	0.8	5.9	230
12/5/2024 7:00	0.6	12.5	217	0.6	9.8	235	0.9	4.6	234
12/5/2024 7:30	0.6	12.0	218	0.5	9.5	237	0.5	4.6	241
12/5/2024 8:00	0.6	10.2	221	0.5	8.4	240	0.2	4.1	243
12/5/2024 8:30	0.6	10.8	224	0.7	9.4	240	0.2	4.8	243
12/5/2024 9:00	0.7	10.9	230	0.8	11.3	244	0.2	5.1	239
12/5/2024 9:30	0.7	10.8	237	0.8	9.9	245	0.2	5.0	244
12/5/2024 10:00	0.6	9.8	235	0.9	8.6	250	0.2	4.4	247
12/5/2024 10:30	0.7	9.3	245	0.8	10.6	247	0.2	4.3	241
12/5/2024 11:00	0.6	8.8	260	0.9	9.5	255	0.2	4.0	252
12/5/2024 11:30	0.7	7.9	269	0.6	8.7	256	0.2	4.3	259
12/5/2024 12:00	0.6	6.2	309	0.2	9.4	271	0.2	3.1	265
12/5/2024 12:30	0.6	9.4	271	0.2	8.8	262	0.2	3.2	265
12/5/2024 13:00	0.6	8.2	298	0.2	7.7	277	0.2	2.5	264
12/5/2024 13:30	0.5	7.4	306	0.2	6.4	286	0.2	2.1	261
12/5/2024 14:00	0.6	7.6	288	0.2	7.6	265	0.2	2.2	290
12/5/2024 14:30	0.6	11.3	323	0.2	5.8	330	0.2	3.4	341
12/5/2024 15:00	0.6	12.3	328	0.2	6.4	318	0.2	2.3	331
12/5/2024 15:30	0.5	12.3	329	0.2	6.3	329	0.2	4.3	345
12/5/2024 16:00	0.2	12.1	322	0.2	7.1	329	0.2	3.4	334
12/5/2024 16:30	0.2	14.8	329	0.2	6.8	324	0.2	3.4	331
12/5/2024 17:00	0.2	12.7	320	0.2	5.7	302	0.2	1.4	283
12/5/2024 17:30	0.6	8.8	328	0.2	4.2	335	0.2	4.3	342
12/5/2024 18:00	3.2	11.3	356	0.2	4.6	352	0.2	5.4	352
12/5/2024 18:30	2.6	11.4	357	0.2	4.2	356	0.2	4.3	352
12/5/2024 19:00	0.9	11.3	348	0.2	4.6	347	0.2	4.3	351
12/5/2024 19:30	1.0	9.5	351	0.2	4.4	352	0.2	3.9	346
12/5/2024 20:00	1.1	12.1	8	0.2	5.3	7	0.2	5.6	2
12/5/2024 20:30	0.9	17.7	7	0.2	5.3	5	0.2	6.5	359
12/5/2024 21:00	0.8	15.3	6	0.2	5.0	5	0.2	5.4	3
12/5/2024 21:30	1.4	13.8	12	0.2	5.2	27	0.2	5.7	14
12/5/2024 22:00	1.1	18.4	15	0.2	6.5	23	0.2	7.4	7
12/5/2024 22:30	0.9	16.6	15	0.2	4.3	29	0.2	5.1	11
12/5/2024 23:00	0.7	16.4	16	0.2	4.3	30	0.2	4.8	15
12/5/2024 23:30	0.8	15.4	16	0.2	4.0	26	0.2	5.3	11
12/6/2024 0:00	0.9	13.2	15	0.2	3.9	30	0.2	4.4	15

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