Air Monitoring Summary Tables

The table below summarizes monitoring data collected using the H_2S analyzers deployed at the onsite stations.
All times in Eastern Standard Time (EST).

From: **01/30/25 12:00 am** ***To:*** **01/30/25 11:59 pm**

Onsite Fenceline Monitors

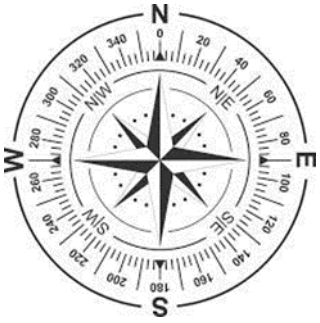
Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected [a]	24-hr Average [a]	7-day Average	30-min AEGL
Station 1						
TAPI Analyzer	H_2S	No	0 – 11 ppb	1.07 ppb [b]	0.45 ppb	600 ppb
Station 2						
TAPI Analyzer	H_2S	No	1 – 2 ppb	1.23 ppb [c]	0.68 ppb	600 ppb
Station 3						
TAPI Analyzer	H_2S	No	0 – 1 ppb	0.45 ppb	0.73 ppb	600 ppb

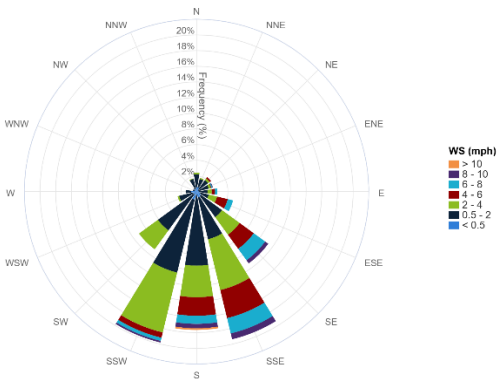
[a] Based on 30-minute averages.
[b] The 24-hour H_2S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.
[c] The 24-hour H_2S average at Station 2 from the start of the sampling period to the end of the sampling period is represented by the backup unit data. The 24-hour H_2S average at Station 2 is not represented by the full 24-hour sampling period; a total of 25 30-minute averages are missing due to multi-point verification and calibration performed at this location.

Notes:

ATSDR MRL	Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL)
AEGL	EPA Acute Exposure Guidelines Levels
H_2S	Hydrogen Sulfide
TAPI	Teledyne API H_2S 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

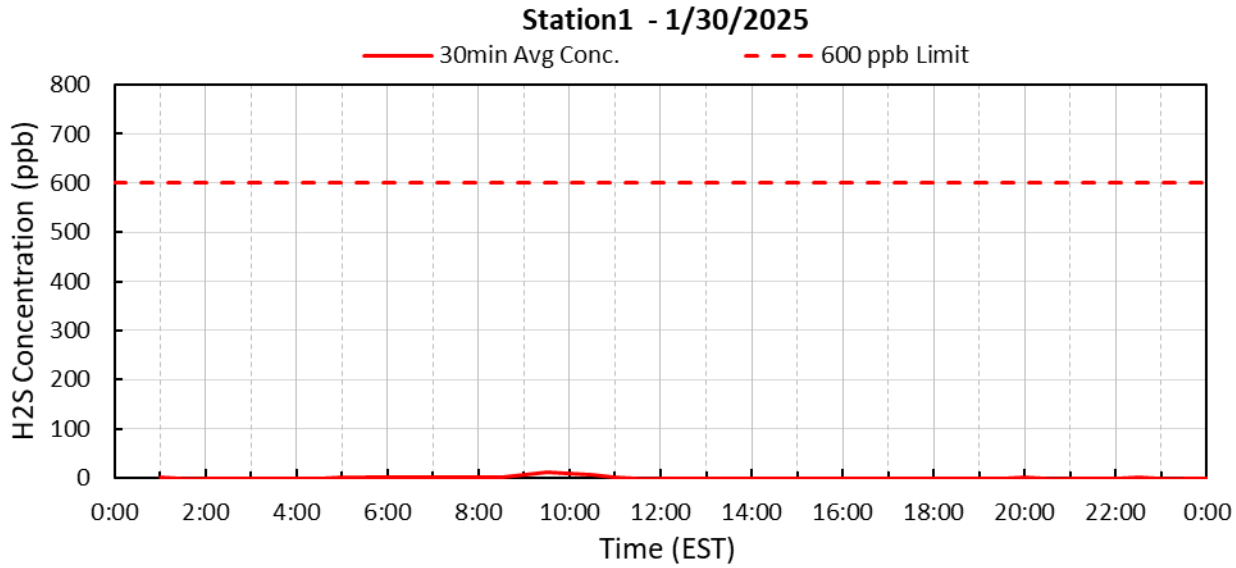
Period H_2S Monitoring
Hydrogen Sulfide Onsite Monitors

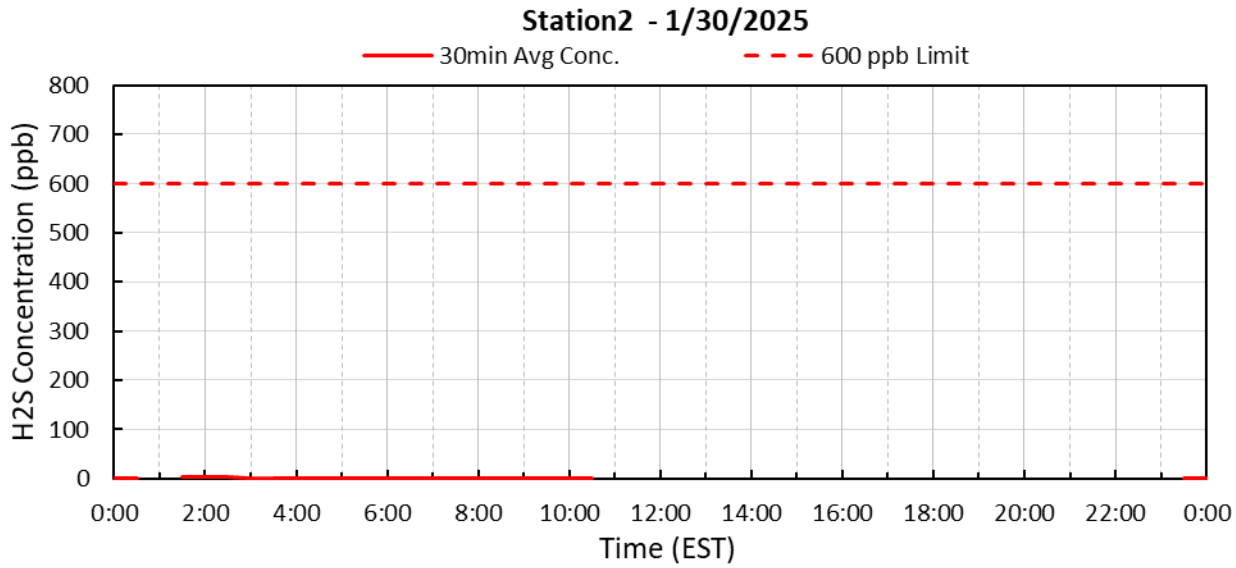
Below are graphs for onsite locations during the current reporting period.

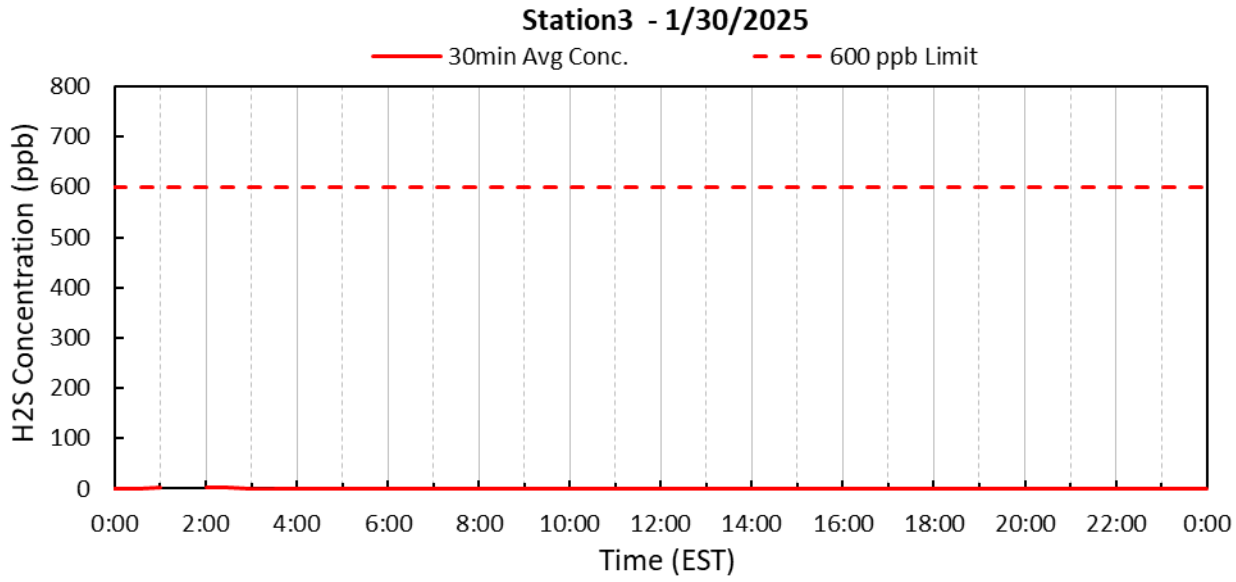
Depending on wind direction, the H_2S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from a variable direction throughout the day at 1 to 7 mph.

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






Station3 - 1/30/2025
30min Avg Conc.
600 ppb Limit
H2S Concentration (ppb)
800
700
600
500
400
300
200
100
0
0:00
2:00
4:00
6:00
8:00
10:00
12:00
14:00
16:00
18:00
20:00
22:00
0:00
Time (EST)

Submitted Fenceline H_2S and Met 30-minute Data

30-Minute Avgs	Station 1			Station 2			Station 3		
	H2S	Met		H2S	Met		H2S	Met	
1/30/2025	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
1/30/2025 0:30	AX	2.6	207	1.4	2.0	48	0.9	0.2	27
1/30/2025 1:00	1.3	2.3	215	AX	3.9	93	1.3	0.5	71
1/30/2025 1:30	0.2	1.5	221	2.1	3.5	45	AX	0.5	59
1/30/2025 2:00	0.2	1.3	150	2.3	2.6	35	1.2	0.5	71
1/30/2025 2:30	0.2	0.9	66	2.4	1.3	38	1.4	0.6	32
1/30/2025 3:00	0.2	1.8	196	1.6	2.0	58	1.1	0.5	357
1/30/2025 3:30	0.2	2.0	217	1.3	0.9	41	0.7	0.7	302
1/30/2025 4:00	0.2	1.4	166	1.1	0.9	88	0.7	0.5	186
1/30/2025 4:30	0.2	1.1	203	1.0	0.6	38	0.5	0.5	3
1/30/2025 5:00	0.8	2.0	190	1.0	0.5	55	0.4	0.6	15
1/30/2025 5:30	0.8	1.3	207	0.9	1.3	23	0.2	0.3	240
1/30/2025 6:00	0.5	0.8	203	0.8	0.5	35	0.7	0.4	3
1/30/2025 6:30	0.9	1.2	114	1.0	1.3	37	0.9	0.6	342
1/30/2025 7:00	1.3	1.5	171	0.8	0.6	23	0.8	0.6	8
1/30/2025 7:30	1.8	1.7	118	0.9	0.6	55	0.8	0.5	66
1/30/2025 8:00	1.6	1.7	199	0.7	1.0	316	0.4	0.4	345
1/30/2025 8:30	1.7	1.4	195	0.6	1.1	32	0.6	0.9	15
1/30/2025 9:00	5.8	0.6	53	0.8	0.6	24	0.8	0.9	21
1/30/2025 9:30	11.4	0.9	6	1.2	2.9	107	0.9	0.7	23
1/30/2025 10:00	8.9	1.6	359	1.4	3.3	357	0.8	0.7	11
1/30/2025 10:30	6.0	2.0	53	0.6	2.7	99	0.5	0.9	346
1/30/2025 11:00	0.5	4.3	134	BC	3.7	116	0.2	1.8	123
1/30/2025 11:30	0.2	4.1	135	BC	3.3	119	0.2	2.5	125
1/30/2025 12:00	0.2	5.2	114	BC	2.8	127	0.2	2.5	166
1/30/2025 12:30	0.2	5.4	117	BC	2.9	127	0.2	3.1	111
1/30/2025 13:00	0.2	4.8	150	BC	3.0	144	0.2	2.9	179
1/30/2025 13:30	0.2	5.1	164	BC	3.0	162	0.2	1.7	171
1/30/2025 14:00	0.2	5.3	156	BC	2.6	117	0.2	1.8	145
1/30/2025 14:30	0.2	6.5	162	BC	3.8	139	0.2	2.8	150
1/30/2025 15:00	0.2	6.9	177	BC	4.3	171	0.2	3.3	184
1/30/2025 15:30	0.2	6.5	171	BC	2.9	180	0.2	2.8	177
1/30/2025 16:00	0.2	4.5	157	BC	2.5	161	0.2	2.0	177
1/30/2025 16:30	0.2	3.2	167	BC	2.1	171	0.2	1.6	179
1/30/2025 17:00	0.2	3.3	160	BC	1.6	176	0.2	1.3	170
1/30/2025 17:30	0.2	3.1	157	BC	1.0	145	0.2	0.8	168
1/30/2025 18:00	0.2	2.5	180	BC	0.4	68	0.2	0.4	203
1/30/2025 18:30	0.2	1.3	211	BC	0.3	39	0.2	0.5	350
1/30/2025 19:00	0.2	1.3	140	BC	0.2	48	0.2	0.5	109
1/30/2025 19:30	0.2	1.7	197	BC	0.2	27	0.2	0.3	120
1/30/2025 20:00	0.4	0.7	198	BC	0.6	19	0.2	0.6	359
1/30/2025 20:30	0.2	1.0	175	BC	0.3	35	0.2	0.4	335
1/30/2025 21:00	0.2	1.7	231	BC	0.5	24	0.2	0.3	318
1/30/2025 21:30	0.2	1.8	200	BC	0.6	47	0.2	0.3	354
1/30/2025 22:00	0.2	1.1	215	BC	0.9	28	0.2	0.3	351
1/30/2025 22:30	0.5	0.7	190	BC	0.6	45	0.2	0.3	335
1/30/2025 23:00	0.2	1.9	180	BC	0.4	307	0.2	0.4	314
1/30/2025 23:30	0.2	3.6	148	1.4	1.4	85	0.2	0.4	281
1/31/2025 0:00	0.2	2.8	156	1.7	1.4	323	0.2	0.6	304

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