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: **12/10/24 12:00 am** ***To:*** **12/10/24 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	1 – 8 ppb	1.28 ppb [b]	0.82 ppb	600 ppb
Station 2						
TAPI Analyzer	H_2S	No	0 – 7 ppb	0.49 ppb [c]	0.47 ppb	600 ppb
Station 3						
TAPI Analyzer	H_2S	No	0 – 2 ppb	0.39 ppb	0.57 ppb	600 ppb

[a] Based on 30-minute averages.

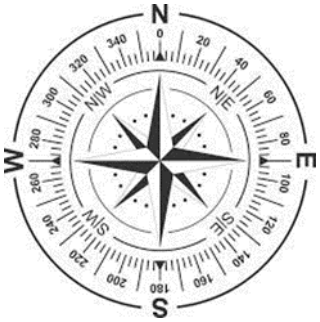
[b] The 24-hour H_2S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data. The 24-hour H_2S average at Station 1 is not represented by the full 24-hour sampling period, a total of 11 30-minute averages are missing due to a quarterly audit and routine converter efficiency check performed at this location.

[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 5 30-minute averages are missing due to a quarterly audit 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

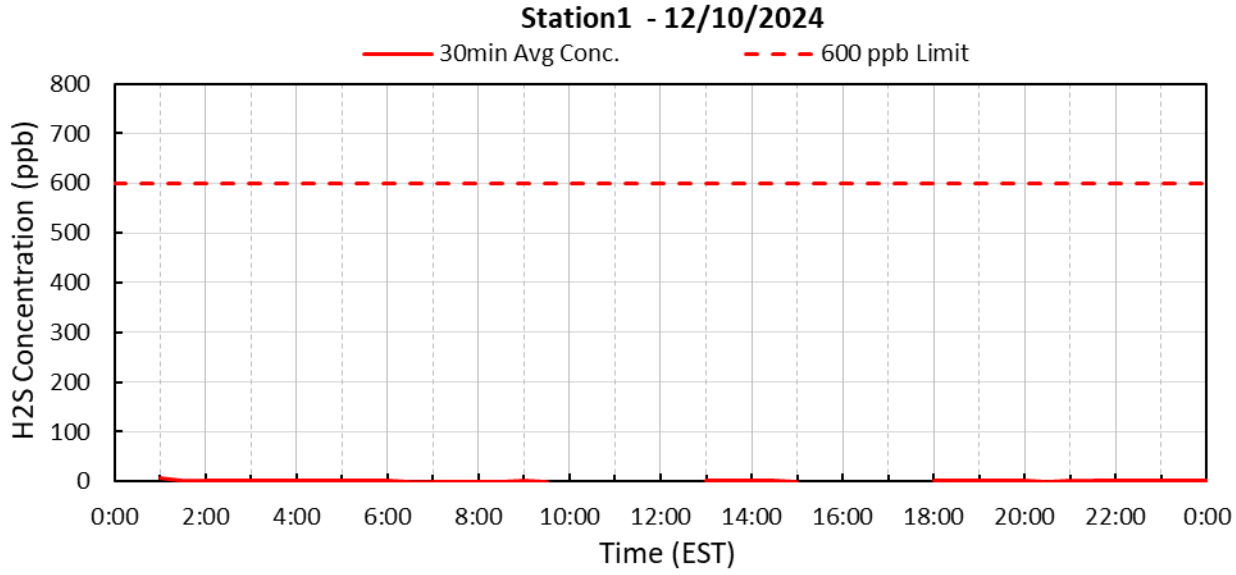
Period H_2S Monitoring
Hydrogen Sulfide Onsite Monitors

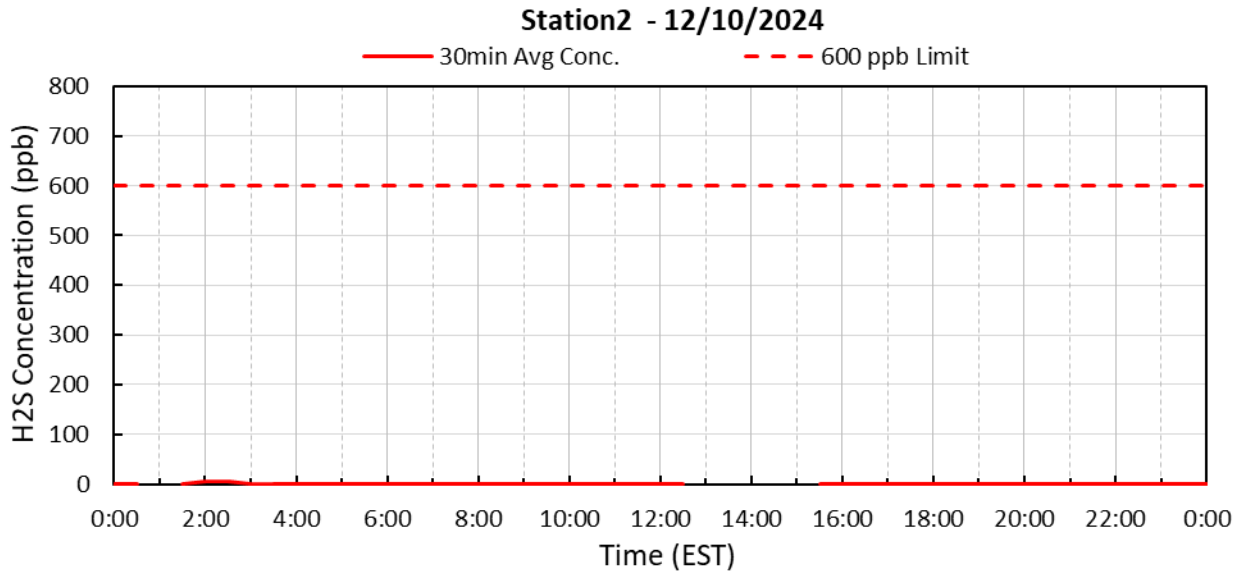
Below are graphs for onsite locations during the current reporting period.

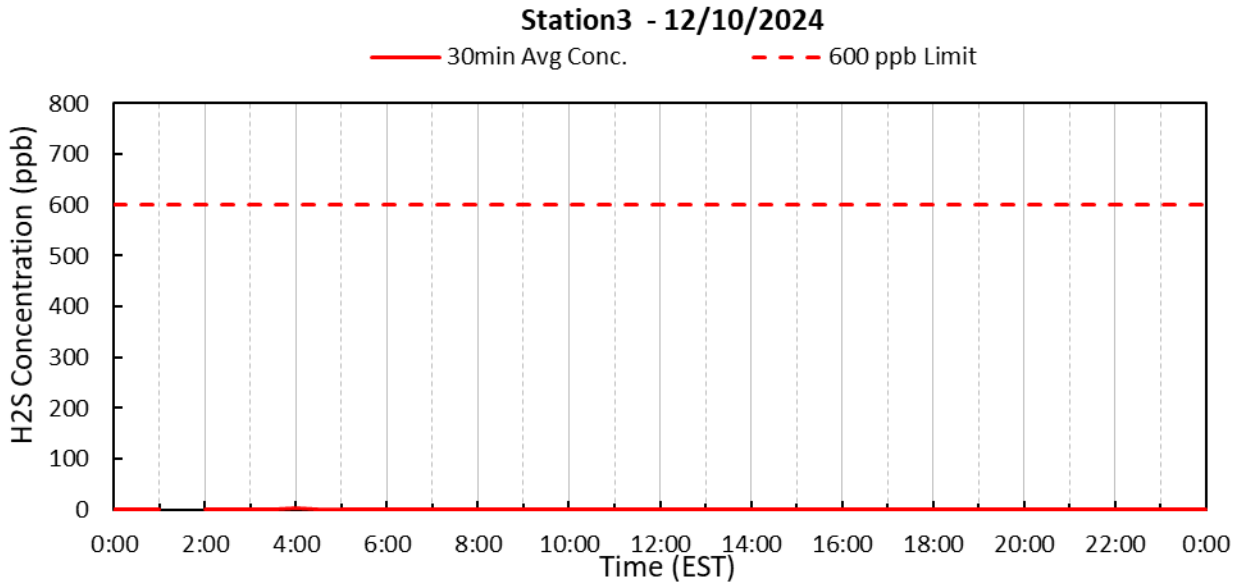
Depending on wind direction, the H_2S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were predominantly coming from the south-southwest, south, and south-southeast direction throughout the day at 1 to 8 mph.

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






Station3 - 12/10/2024
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	
12/10/2024	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
12/10/2024 0:30	AX	1.1	98	0.2	0.3	346	0.2	0.3	31
12/10/2024 1:00	7.9	1.0	312	AX	0.3	53	0.2	0.5	349
12/10/2024 1:30	2.9	2.5	191	0.4	1.1	222	AX	0.6	183
12/10/2024 2:00	1.9	3.1	184	6.6	0.9	283	0.8	0.6	22
12/10/2024 2:30	1.5	2.4	180	5.1	0.3	49	0.5	0.4	97
12/10/2024 3:00	1.2	4.0	189	1.0	2.1	202	0.8	1.0	200
12/10/2024 3:30	1.1	4.4	198	0.2	2.7	209	0.7	1.2	209
12/10/2024 4:00	1.0	4.1	194	0.2	2.6	204	2.0	1.1	194
12/10/2024 4:30	0.9	4.2	195	0.2	3.3	203	0.6	1.6	202
12/10/2024 5:00	0.9	3.8	187	0.2	2.5	199	0.7	1.3	176
12/10/2024 5:30	0.9	3.9	191	0.2	2.4	205	0.4	1.5	196
12/10/2024 6:00	0.9	4.7	189	0.2	2.7	199	1.2	1.6	189
12/10/2024 6:30	0.8	3.7	184	0.2	2.9	197	0.7	1.6	192
12/10/2024 7:00	0.6	4.3	168	0.2	2.5	189	0.2	1.4	171
12/10/2024 7:30	0.7	4.4	173	0.2	2.1	191	0.2	1.3	187
12/10/2024 8:00	0.8	3.7	191	0.2	2.6	197	0.2	1.6	181
12/10/2024 8:30	0.8	4.5	168	0.2	2.1	179	0.2	1.6	162
12/10/2024 9:00	0.9	4.6	175	0.2	1.8	190	0.2	1.7	174
12/10/2024 9:30	0.8	5.0	185	0.2	2.9	198	0.2	1.6	188
12/10/2024 10:00	BL	5.9	194	0.2	3.8	208	0.6	2.5	202
12/10/2024 10:30	BL	5.7	193	0.2	3.2	207	1.1	2.2	195
12/10/2024 11:00	BL	6.4	188	0.2	5.1	205	0.6	3.7	201
12/10/2024 11:30	BL	7.4	187	0.2	5.6	209	0.6	3.3	214
12/10/2024 12:00	BL	6.4	183	0.2	4.8	203	0.4	3.3	201
12/10/2024 12:30	BL	5.5	184	0.2	4.4	204	0.2	2.7	192
12/10/2024 13:00	1.4	5.2	183	BL	3.6	204	0.2	2.6	198
12/10/2024 13:30	1.3	6.1	183	BL	3.7	201	0.5	2.6	191
12/10/2024 14:00	1.0	5.0	185	BL	BL	BL	0.2	1.9	194
12/10/2024 14:30	0.9	4.8	176	BL	BL	BL	0.2	2.1	185
12/10/2024 15:00	0.8	5.1	162	BL	BL	BL	0.2	1.6	171
12/10/2024 15:30	BA	3.8	174	0.2	1.9	190	0.2	1.5	197
12/10/2024 16:00	BA	2.7	160	0.2	1.2	164	0.2	0.8	134
12/10/2024 16:30	BA	4.6	154	0.2	1.3	142	0.2	1.0	154
12/10/2024 17:00	BA	6.4	149	0.2	2.0	146	0.2	1.8	155
12/10/2024 17:30	BA	6.1	160	0.2	2.4	173	0.2	2.2	174
12/10/2024 18:00	1.3	2.5	170	0.2	2.1	151	0.2	1.4	148
12/10/2024 18:30	1.3	3.5	148	0.2	1.4	113	0.2	1.2	154
12/10/2024 19:00	1.0	3.5	140	0.2	1.5	126	0.2	1.3	168
12/10/2024 19:30	0.9	3.4	145	0.2	1.2	114	0.2	1.1	180
12/10/2024 20:00	0.9	4.1	148	0.2	1.2	132	0.2	1.2	168
12/10/2024 20:30	0.8	3.6	167	0.2	1.3	175	0.2	1.4	206
12/10/2024 21:00	0.9	2.3	167	0.2	0.8	105	0.2	0.5	147
12/10/2024 21:30	1.0	4.4	158	0.2	1.4	170	0.2	1.0	169
12/10/2024 22:00	1.1	6.0	168	0.2	2.9	187	0.2	2.0	185
12/10/2024 22:30	1.1	5.8	163	0.2	2.1	174	0.2	2.0	164
12/10/2024 23:00	1.2	6.7	169	0.2	2.9	181	0.2	2.8	180
12/10/2024 23:30	1.3	6.8	171	0.2	4.5	187	0.2	2.9	175
12/11/2024 0:00	1.3	7.7	167	0.2	3.9	189	0.2	3.2	180

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