

Air Monitoring Summary Tables

The table below summarizes monitoring data collected using the H₂S analyzers deployed at the onsite stations.
All times in Eastern Standard Time (EST).

From: 12/29/24 12:00 am

To: 12/29/24 11:59 pm

Onsite Fenceline Monitors

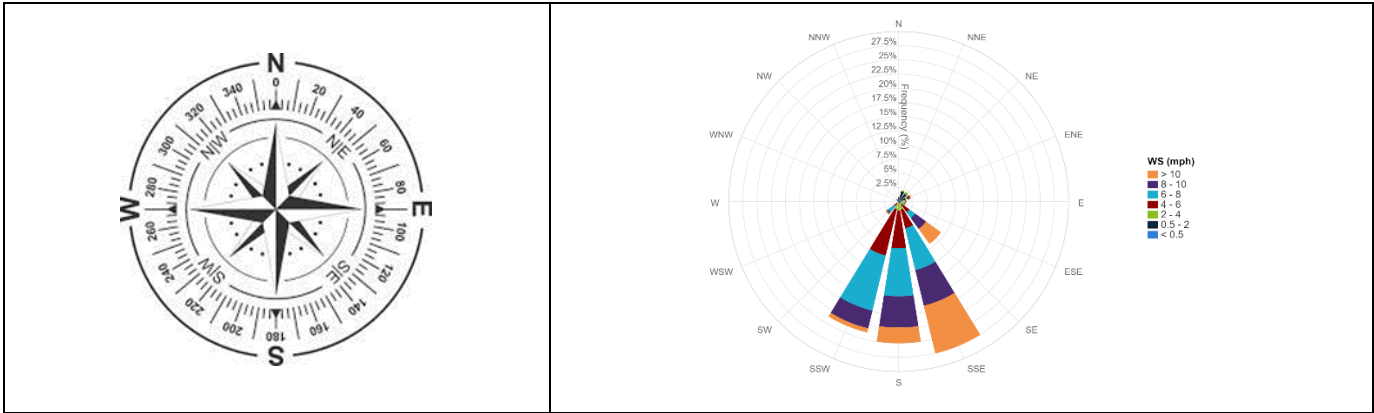
Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected ^a	24-hr Average ^a	7-day Average	30-min AEGL
Station 1						
TAPI Analyzer	H ₂ S	No	1 – 10 ppb	1.48 ppb ^b	2.14 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	0 – 2 ppb	0.30 ppb ^c	0.22 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	0 – 2 ppb	0.60 ppb	0.26 ppb	600 ppb

^a Based on 30-minute averages.
^b The The 24-hour H₂S 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 H₂S 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
- H₂S
- Hydrogen Sulfide
- TAPI
- Teledyne API H₂S 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

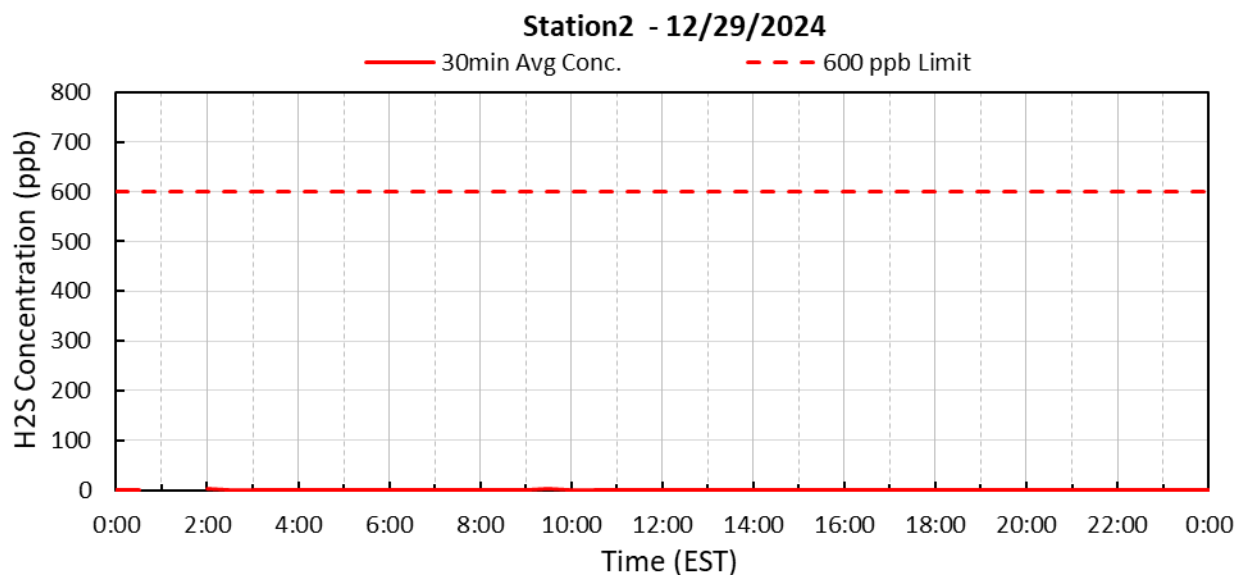
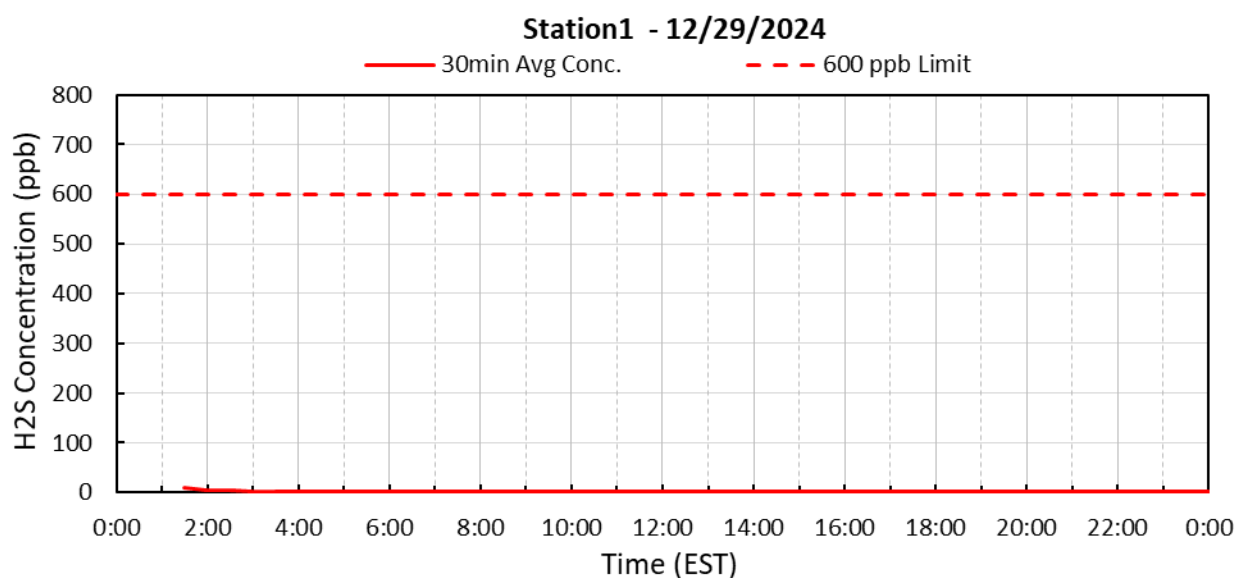
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

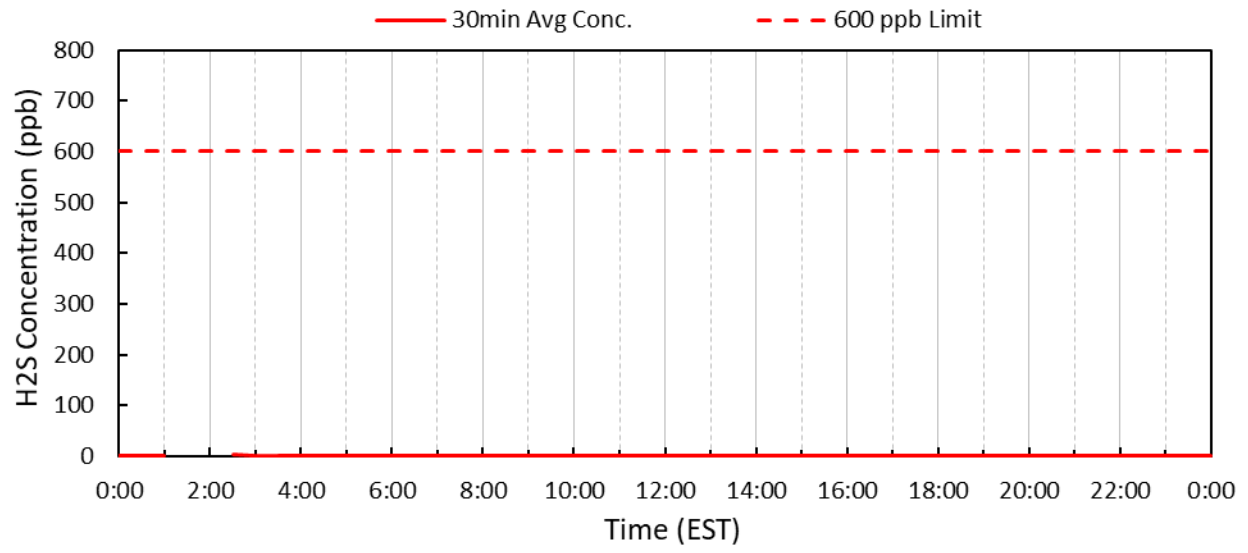
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were predominantly coming from the south-southwest, south, south-southeast, and southeast direction throughout the day at 1 to 15 mph.

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



Station3 - 12/29/2024



Submitted Fenceline H₂S and Met 30-minute Data

30-Minute Avgs	Station 1			Station 2			Station 3		
	H2S	Met		H2S	Met		H2S	Met	
12/29/2024	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
12/29/2024 0:30	BF	1.7	67	0.2	0.6	52	0.2	0.3	6
12/29/2024 1:00	BF	1.5	40	BF	0.5	34	0.2	0.5	48
12/29/2024 1:30	10.0	1.3	346	BF	0.6	28	BF	0.8	341
12/29/2024 2:00	5.3	1.1	26	2.1	0.8	35	BF	0.6	360
12/29/2024 2:30	3.9	3.2	148	0.6	0.8	15	2.2	0.7	293
12/29/2024 3:00	2.0	5.9	155	0.2	2.0	165	0.7	1.7	171
12/29/2024 3:30	1.6	7.4	157	0.2	3.0	166	0.2	2.3	168
12/29/2024 4:00	1.3	8.2	160	0.2	3.8	169	0.2	3.1	168
12/29/2024 4:30	1.3	9.2	159	0.2	4.0	175	0.2	3.9	170
12/29/2024 5:00	1.3	9.6	156	0.2	4.0	174	0.2	3.8	167
12/29/2024 5:30	1.2	7.9	158	0.2	3.4	164	0.2	3.3	161
12/29/2024 6:00	1.2	7.8	155	0.2	3.1	161	0.2	2.7	165
12/29/2024 6:30	1.1	8.6	157	0.2	3.6	161	0.2	3.5	163
12/29/2024 7:00	1.1	9.8	154	0.2	3.9	158	0.2	3.6	157
12/29/2024 7:30	1.1	10.8	151	0.2	4.6	158	0.2	4.3	163
12/29/2024 8:00	1.1	10.4	150	0.2	4.1	140	0.2	3.5	159
12/29/2024 8:30	1.1	12.1	152	0.2	5.2	142	0.2	5.2	165
12/29/2024 9:00	1.1	12.8	148	0.2	5.0	141	0.2	5.2	156
12/29/2024 9:30	1.1	15.0	177	1.9	9.3	187	1.0	7.4	187
12/29/2024 10:00	0.9	7.7	186	0.2	5.0	202	1.3	3.8	183
12/29/2024 10:30	0.9	6.4	181	0.2	4.2	200	0.2	2.2	180
12/29/2024 11:00	1.0	6.3	153	0.2	2.5	139	0.2	1.8	157
12/29/2024 11:30	1.0	6.7	142	0.2	3.3	161	0.2	2.4	164
12/29/2024 12:00	1.0	8.4	104	0.2	3.3	167	0.2	3.2	169
12/29/2024 12:30	1.1	9.0	173	0.2	4.7	193	0.2	3.2	190
12/29/2024 13:00	1.0	8.3	161	0.2	4.6	172	0.2	3.6	174
12/29/2024 13:30	1.1	8.3	141	0.2	3.8	129	0.2	2.9	158
12/29/2024 14:00	1.1	7.4	171	0.2	4.3	183	0.2	3.6	190
12/29/2024 14:30	1.1	4.6	183	0.2	4.4	206	0.2	3.2	196
12/29/2024 15:00	1.1	7.3	177	0.2	5.3	199	0.2	3.8	188
12/29/2024 15:30	1.2	7.6	163	0.2	4.8	201	0.2	3.9	191
12/29/2024 16:00	1.1	6.5	185	0.2	4.5	201	0.2	2.5	205
12/29/2024 16:30	1.1	6.1	192	0.2	4.4	205	0.8	3.1	187
12/29/2024 17:00	1.2	7.8	177	0.2	4.6	193	0.2	3.2	185
12/29/2024 17:30	1.1	7.4	193	0.2	4.9	208	0.6	3.4	218
12/29/2024 18:00	1.1	8.4	194	0.2	6.0	212	1.1	3.2	214
12/29/2024 18:30	1.0	5.7	188	0.2	3.3	202	1.0	1.8	200
12/29/2024 19:00	1.0	4.1	192	0.2	2.8	208	0.2	1.9	188
12/29/2024 19:30	1.1	6.1	193	0.2	3.7	202	0.6	2.4	206
12/29/2024 20:00	1.1	7.0	194	0.2	4.5	212	1.4	2.7	218
12/29/2024 20:30	1.0	5.9	193	0.2	3.5	213	1.5	2.0	204
12/29/2024 21:00	1.1	6.0	200	0.2	3.1	213	1.2	1.6	212
12/29/2024 21:30	1.0	5.8	199	0.2	3.4	210	1.4	2.1	198
12/29/2024 22:00	1.1	6.6	202	0.2	4.1	219	1.4	2.8	213
12/29/2024 22:30	1.2	6.2	200	0.2	3.6	225	1.3	2.4	218
12/29/2024 23:00	1.2	5.8	204	0.2	4.0	217	1.5	3.0	225
12/29/2024 23:30	1.2	6.6	204	0.2	4.1	221	1.7	3.2	221
12/30/2024 0:00	1.1	6.6	220	0.8	5.7	232	1.3	3.8	234

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