

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: 11/23/24 12:00 am

To: 11/23/24 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	0 – 2 ppb	0.62 ppb ^b	1.28 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	0 – 3 ppb	0.55 ppb ^c	0.51 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	0 – 6 ppb	0.64 ppb	0.65 ppb	600 ppb

^a Based on 30-minute averages.

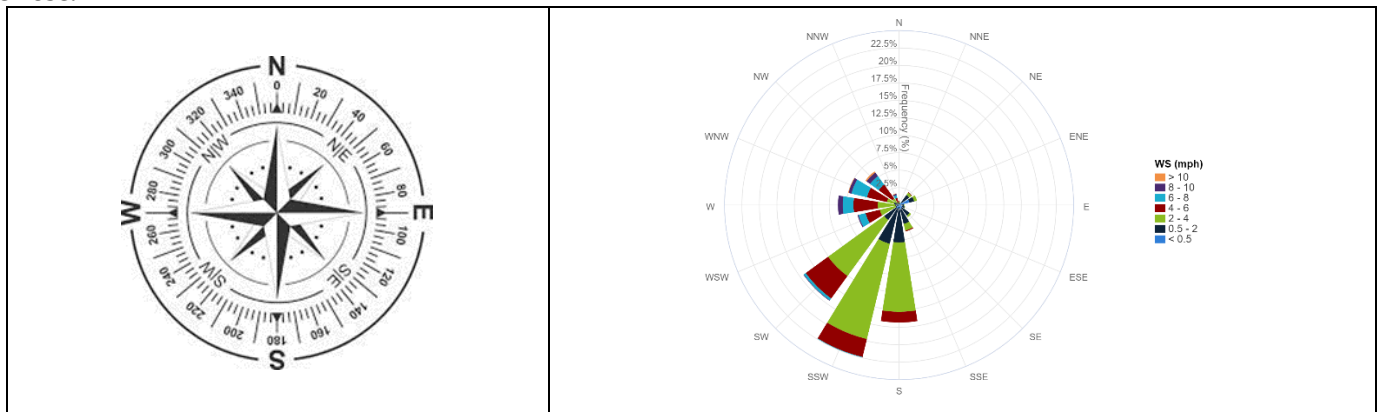
^b The 24-hour H₂S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.

^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
H ₂ S	Hydrogen Sulfide
TAPI	Teledyne API H ₂ 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

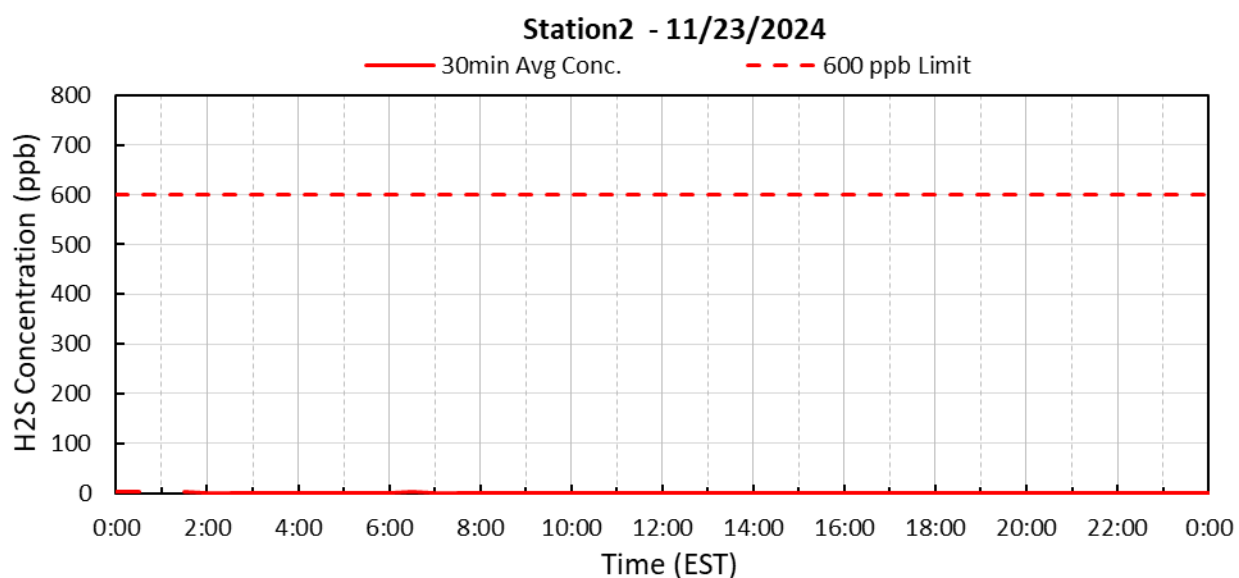
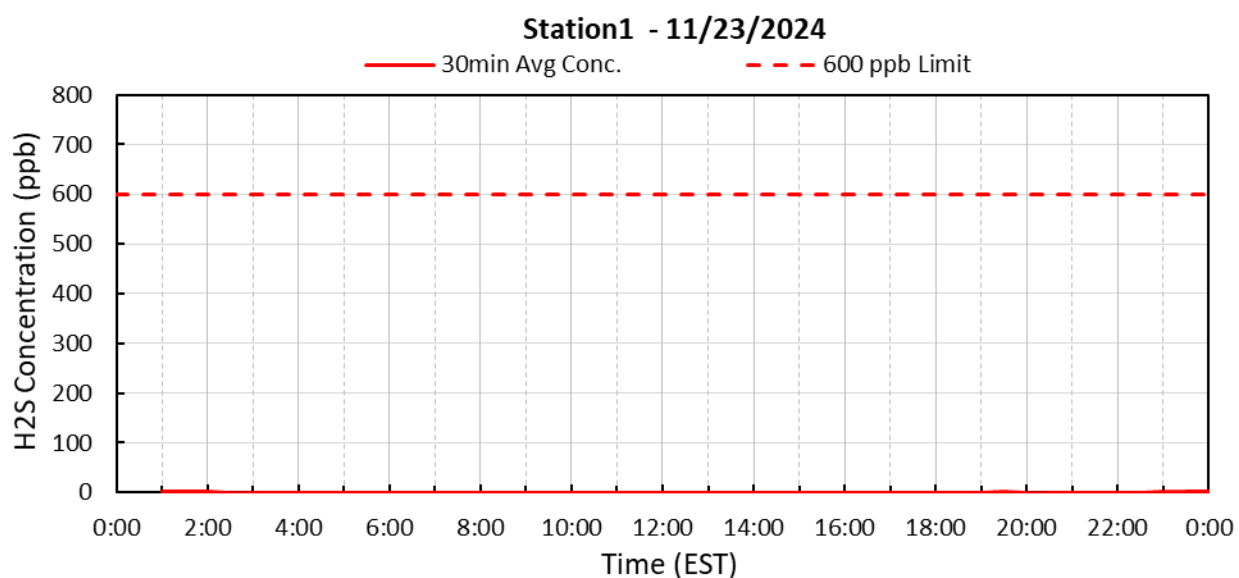
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

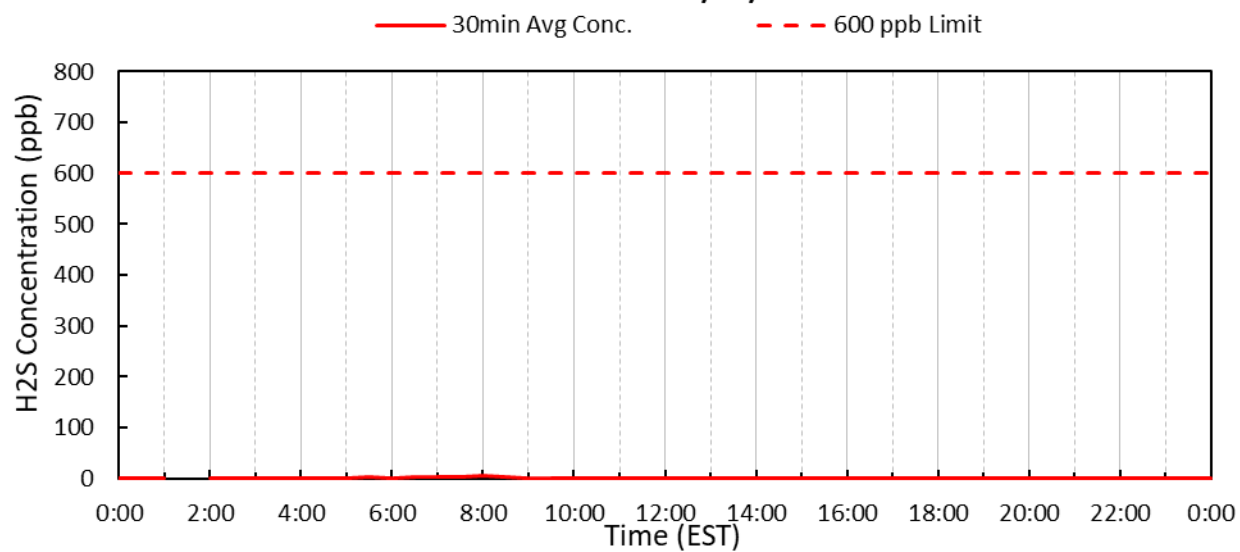
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were 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 - 11/23/2024



Submitted Fenceline H₂S 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
11/23/2024 0:30	AX	3.7	214	2.2	4.7	235	0.2	2.2	250
11/23/2024 1:00	1.4	3.4	218	AX	3.5	232	0.2	1.2	272
11/23/2024 1:30	1.3	3.1	205	2.4	3.5	224	AX	1.5	253
11/23/2024 2:00	0.9	3.3	219	1.7	2.8	221	0.4	1.5	260
11/23/2024 2:30	0.8	4.3	222	1.3	3.8	230	0.2	1.9	252
11/23/2024 3:00	0.7	3.6	212	1.3	4.6	228	0.2	2.3	257
11/23/2024 3:30	0.6	4.2	224	0.7	4.0	233	0.2	1.2	267
11/23/2024 4:00	0.6	3.3	189	1.7	2.6	224	0.2	2.0	232
11/23/2024 4:30	0.6	2.5	184	0.2	2.8	207	0.2	2.6	231
11/23/2024 5:00	0.5	2.8	199	0.8	3.4	213	0.6	3.3	230
11/23/2024 5:30	0.5	2.3	188	0.2	3.2	205	1.8	2.3	223
11/23/2024 6:00	0.5	3.9	214	1.4	3.4	212	0.8	1.5	241
11/23/2024 6:30	0.5	2.6	194	3.0	2.2	207	1.7	0.6	78
11/23/2024 7:00	0.4	3.4	204	0.7	1.7	206	4.1	0.6	274
11/23/2024 7:30	0.5	2.2	183	1.0	1.7	196	3.3	0.6	195
11/23/2024 8:00	0.5	3.0	199	0.2	1.3	192	5.5	1.2	182
11/23/2024 8:30	0.5	2.4	192	0.2	2.2	205	3.5	1.5	186
11/23/2024 9:00	0.5	3.4	175	0.2	2.0	201	1.1	1.9	187
11/23/2024 9:30	0.4	4.5	241	0.9	3.4	253	0.2	1.3	244
11/23/2024 10:00	0.4	5.5	275	0.2	4.5	283	0.2	0.9	313
11/23/2024 10:30	0.5	6.2	290	0.2	4.8	293	0.2	1.4	323
11/23/2024 11:00	0.5	5.6	292	0.2	4.0	290	0.2	1.3	317
11/23/2024 11:30	0.4	3.9	262	0.2	4.1	292	0.2	1.7	344
11/23/2024 12:00	0.5	3.0	186	0.2	2.7	267	0.2	1.6	329
11/23/2024 12:30	0.5	4.2	262	0.2	3.9	325	0.2	1.8	317
11/23/2024 13:00	0.6	6.1	282	0.2	4.8	296	0.2	1.9	346
11/23/2024 13:30	0.5	5.9	284	0.2	5.2	307	0.2	2.3	336
11/23/2024 14:00	0.5	6.8	295	0.2	5.8	305	0.2	2.0	297
11/23/2024 14:30	0.2	6.4	289	0.2	4.1	285	0.2	1.6	333
11/23/2024 15:00	0.2	5.3	308	0.2	4.8	291	0.2	1.7	335
11/23/2024 15:30	0.5	4.4	313	0.2	3.5	309	0.2	1.6	320
11/23/2024 16:00	0.2	4.3	292	0.2	3.9	279	0.2	0.9	305
11/23/2024 16:30	0.2	3.4	263	0.2	3.1	298	0.2	0.5	251
11/23/2024 17:00	0.2	1.3	94	0.2	1.2	293	0.2	1.1	218
11/23/2024 17:30	0.2	2.3	206	0.2	0.8	72	0.2	0.4	249
11/23/2024 18:00	0.2	2.5	218	0.2	0.6	16	0.2	0.3	330
11/23/2024 18:30	0.2	2.7	218	0.2	0.2	52	0.2	0.3	219
11/23/2024 19:00	0.5	2.1	137	0.2	1.0	40	0.2	0.7	293
11/23/2024 19:30	1.0	2.6	182	0.2	0.4	65	0.2	0.4	129
11/23/2024 20:00	0.6	1.9	195	0.2	0.5	321	0.2	0.5	217
11/23/2024 20:30	0.6	1.9	215	0.2	1.0	43	0.2	0.6	331
11/23/2024 21:00	0.7	0.8	154	0.2	0.8	36	0.2	0.5	1
11/23/2024 21:30	0.8	1.5	163	0.2	0.6	3	0.2	0.3	256
11/23/2024 22:00	0.5	0.9	199	0.2	0.9	49	0.2	0.6	21
11/23/2024 22:30	0.5	0.6	207	0.2	0.9	22	0.2	0.5	18
11/23/2024 23:00	2.4	1.4	65	0.2	0.7	26	0.2	0.5	73
11/23/2024 23:30	1.5	0.7	193	0.2	0.9	356	0.2	0.4	4
11/24/2024 0:00	1.7	1.2	69	0.2	0.8	24	0.2	0.5	359

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