

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: 10/14/24 12:00 am

To: 10/14/24 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 – 37 ppb	2.56 ppb ^b	3.29 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	0 – 10 ppb	1.19 ppb ^c	0.47 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	0 – 5 ppb	0.76 ppb	0.71 ppb	600 ppb

^a Based on 30-minute averages.

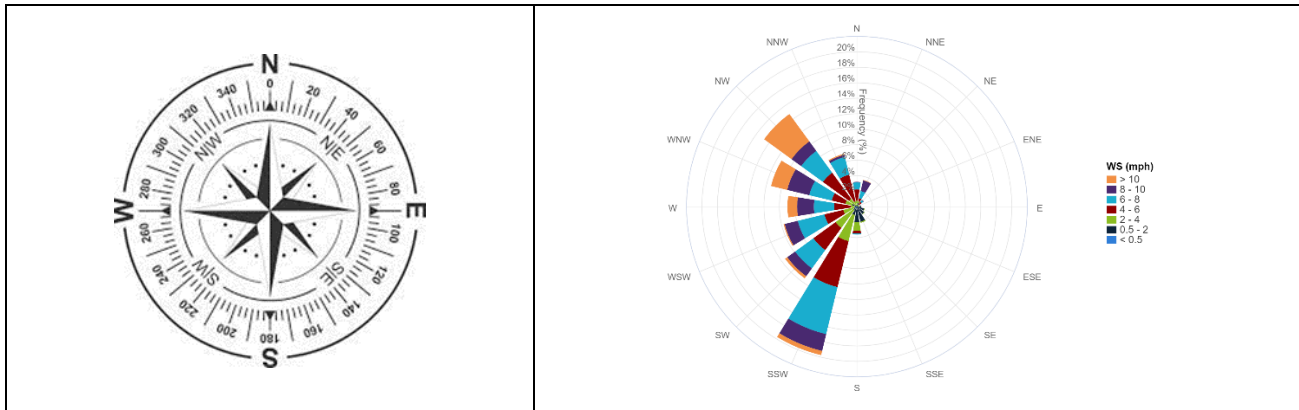
^b The 24-hour H₂S average at Station 1 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.

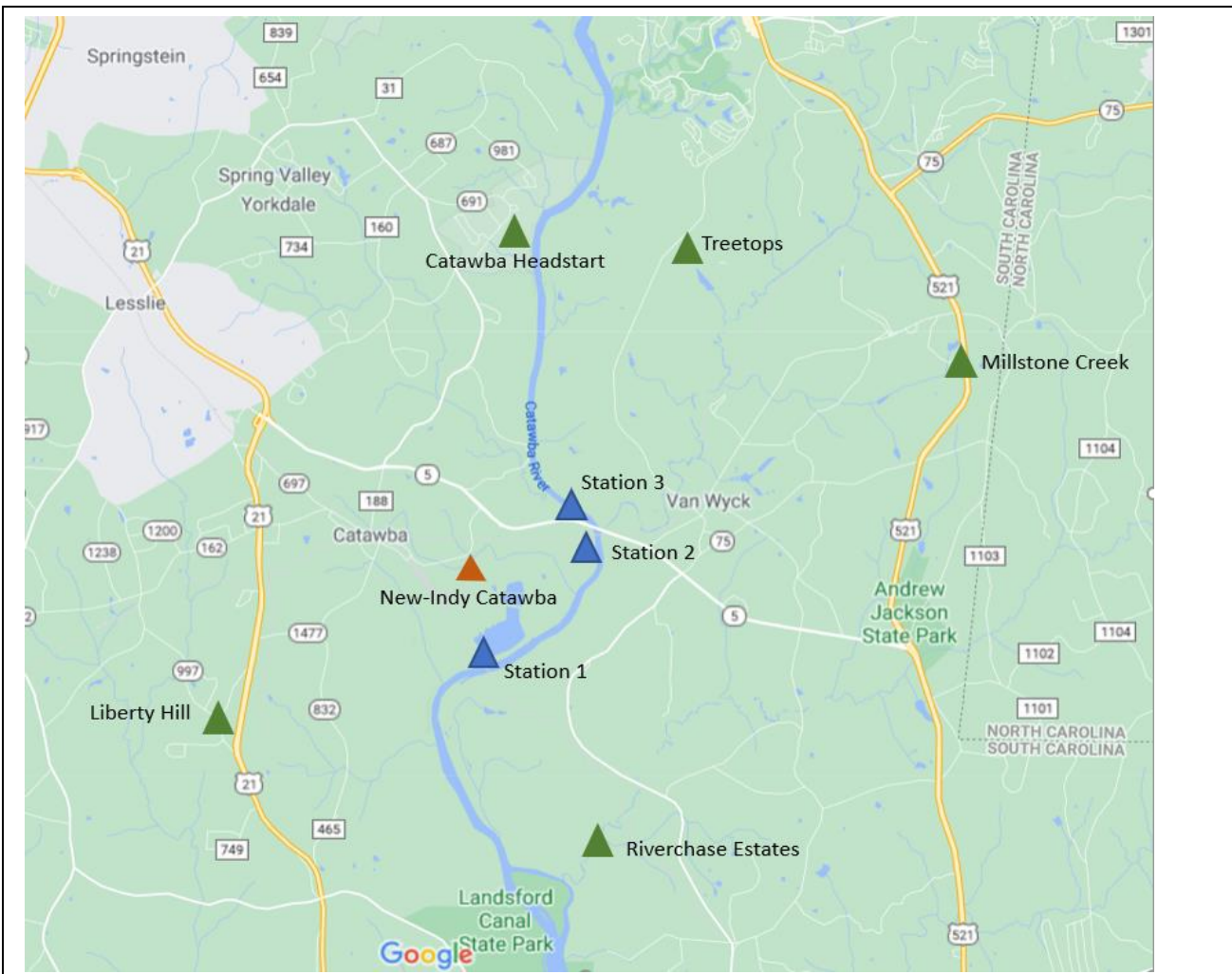
^c The 24-hour H₂S average at Station 2 from the start of the sampling period to the end of the sampling period is represented by the backup unit data

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

-  Offsite Fixed Monitoring Locations
-  Onsite Fixed Monitoring Locations
-  New-Indy Catawba

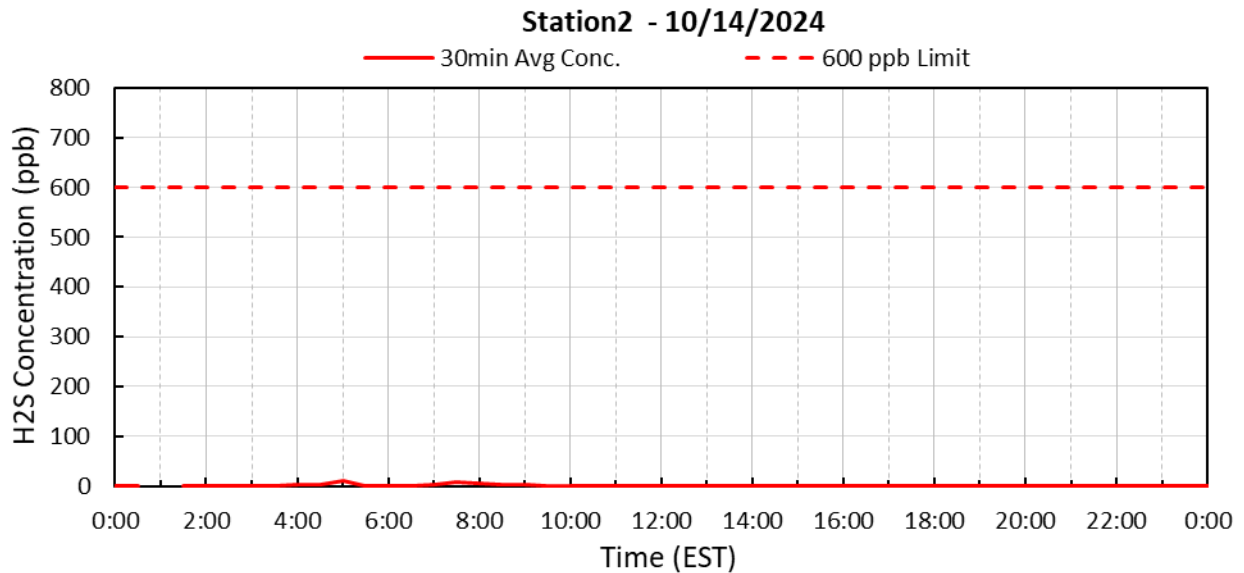
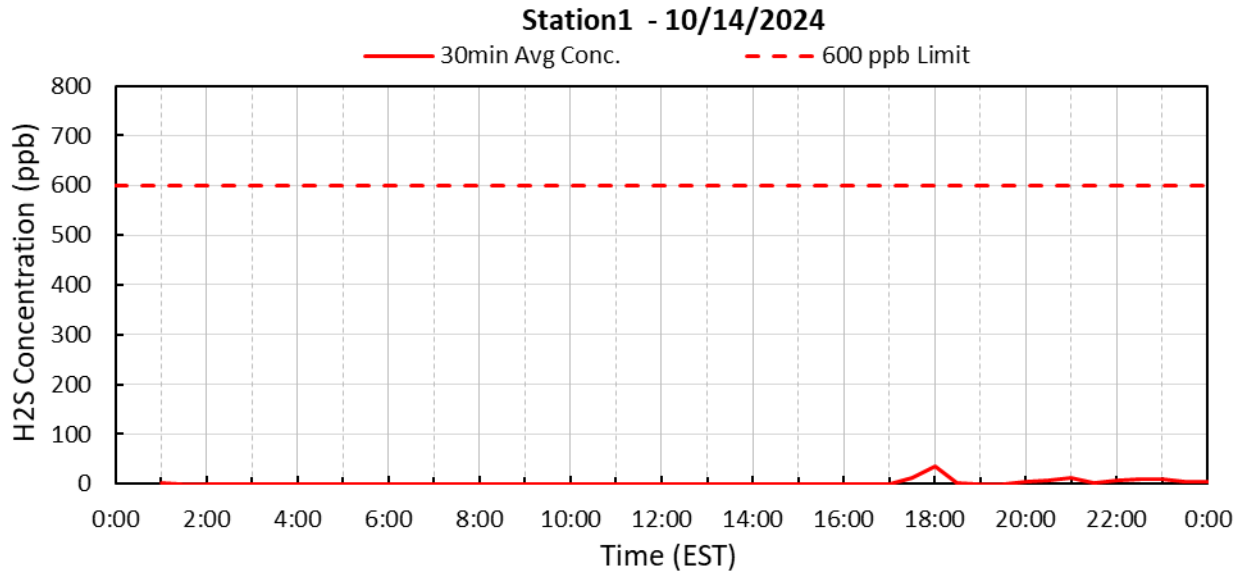
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

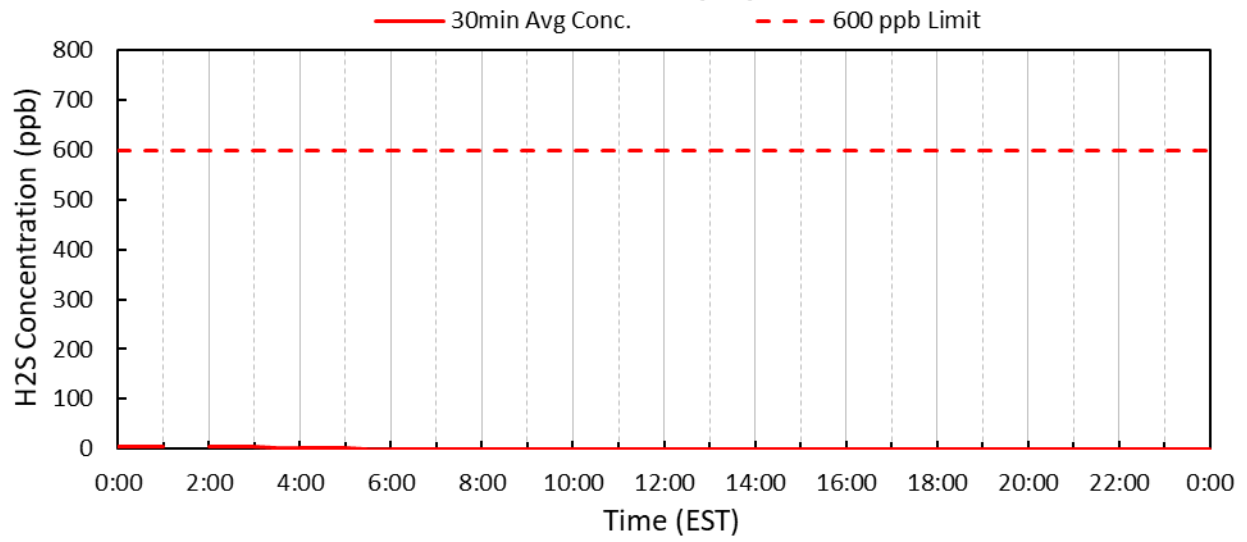
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from a variable direction throughout the day at 1 to 15 mph.

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



Station3 - 10/14/2024



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
10/14/2024 0:30	AX	5.5	203	0.2	2.3	201	5.4	1.9	200
10/14/2024 1:00	1.6	6.6	208	AX	3.2	212	4.0	3.1	214
10/14/2024 1:30	0.7	7.2	204	1.5	3.4	217	AX	2.4	214
10/14/2024 2:00	0.2	8.1	208	1.2	4.2	220	3.9	3.9	219
10/14/2024 2:30	0.2	8.1	209	0.8	4.8	223	4.2	3.9	225
10/14/2024 3:00	0.2	7.0	209	1.5	4.2	224	4.2	3.9	222
10/14/2024 3:30	0.2	6.6	208	1.1	4.0	223	2.9	3.6	227
10/14/2024 4:00	0.2	7.0	210	2.3	3.9	226	1.6	3.5	227
10/14/2024 4:30	0.2	5.7	211	2.7	3.6	224	1.4	3.6	228
10/14/2024 5:00	0.2	4.5	222	10.5	3.4	226	0.8	3.2	235
10/14/2024 5:30	0.2	4.4	212	1.4	3.1	211	0.2	2.9	241
10/14/2024 6:00	0.2	4.2	211	1.6	2.5	204	0.2	2.5	239
10/14/2024 6:30	0.2	3.3	201	1.7	2.1	200	0.2	2.5	239
10/14/2024 7:00	0.2	3.1	224	3.8	0.9	209	0.2	1.7	245
10/14/2024 7:30	0.2	2.4	200	8.8	1.7	210	0.2	2.3	233
10/14/2024 8:00	0.2	4.7	235	4.7	3.9	271	0.2	1.2	244
10/14/2024 8:30	0.2	5.6	247	2.3	5.7	255	0.2	2.4	237
10/14/2024 9:00	0.2	6.7	247	2.3	5.0	257	0.2	3.0	224
10/14/2024 9:30	0.2	6.0	250	1.6	5.3	252	0.2	2.3	243
10/14/2024 10:00	0.2	6.9	264	0.4	6.4	276	0.2	1.6	299
10/14/2024 10:30	0.2	10.5	296	0.2	5.8	293	0.2	1.8	298
10/14/2024 11:00	0.2	11.7	309	0.2	8.4	304	0.2	2.1	274
10/14/2024 11:30	0.2	14.5	306	0.2	8.7	298	0.2	2.1	312
10/14/2024 12:00	0.2	9.2	293	0.2	7.8	311	0.2	2.1	323
10/14/2024 12:30	0.2	9.0	284	0.2	7.2	310	0.2	2.0	311
10/14/2024 13:00	0.2	7.4	278	0.2	5.2	306	0.2	2.0	303
10/14/2024 13:30	0.2	8.4	300	0.2	4.4	280	0.2	2.0	327
10/14/2024 14:00	0.2	7.6	275	0.2	5.0	289	0.2	1.7	332
10/14/2024 14:30	0.2	7.2	276	0.2	5.3	291	0.2	1.5	288
10/14/2024 15:00	0.2	7.1	278	0.2	4.9	287	0.2	1.8	269
10/14/2024 15:30	0.2	6.5	278	0.2	5.6	295	0.2	1.6	295
10/14/2024 16:00	0.2	8.1	288	0.2	6.6	284	0.2	1.4	273
10/14/2024 16:30	0.2	8.1	303	0.2	4.7	286	0.2	0.6	306
10/14/2024 17:00	0.2	6.4	313	0.2	2.4	329	0.2	0.6	4
10/14/2024 17:30	12.5	7.2	356	0.2	2.0	348	0.2	1.4	349
10/14/2024 18:00	36.6	7.4	10	0.2	1.7	334	0.2	0.3	269
10/14/2024 18:30	2.5	5.7	333	0.2	0.9	347	0.2	0.4	271
10/14/2024 19:00	0.5	5.1	322	0.2	0.4	18	0.2	0.5	302
10/14/2024 19:30	0.2	6.0	325	0.2	0.5	24	0.2	0.4	278
10/14/2024 20:00	5.8	4.7	352	0.2	0.4	88	0.2	0.3	295
10/14/2024 20:30	6.3	3.7	330	0.2	0.5	11	0.2	0.5	308
10/14/2024 21:00	11.5	5.4	348	0.2	0.3	33	0.2	0.3	297
10/14/2024 21:30	2.1	3.3	312	0.2	0.5	39	0.2	0.3	339
10/14/2024 22:00	6.8	0.9	140	0.2	0.4	59	0.2	0.3	291
10/14/2024 22:30	9.1	0.9	176	0.2	0.6	37	0.2	0.3	313
10/14/2024 23:00	9.4	1.3	142	0.2	0.9	55	0.2	0.8	17
10/14/2024 23:30	3.4	3.7	60	0.2	0.7	346	0.2	0.7	251
10/15/2024 0:00	5.2	1.1	158	0.2	0.5	28	0.2	0.4	239

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)
AZ	Q C AUDIT (AUDT)
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
EC	EXCEED CRITICAL CRITERIA