Air Monitoring Summary Tables

The table below summarizes monitoring data collected using a portable wireless remote monitoring system. All times in Eastern Standard Time (EST).

From: 03/28/24 12:00 am To: 03/28/24 11:59 pm

Offsite Monitors

Instrument	Analyte	ATSDR MRL 14-day Avg Reached?	Concentration Range Detected ^a 24-hr Average ^a		7-day Average	ATSDR 14-day MRL	
Catawba Headstart							
Acrulog PPB	H_2S	No	0-0 ppb	0.00 ppb	0.00 ppb	70 ppb	
Treetops							
Acrulog PPB	H_2S	No	0-0 ppb	0.00 ppb	0.00 ppb	70 ppb	
Liberty Hill							
Acrulog PPB	H_2S	No	0-0 ppb	0.00 ppb	0.00 ppb	70 ppb	
Riverchase Estates							
Acrulog PPB	H_2S	No	0-2 ppb	0.04 ppb	0.01 ppb	70 ppb	
Millstone Creek	Millstone Creek						
Acrulog PPB	H_2S	No	0-0 ppb	0.00 ppb	0.00 ppb	70 ppb	

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 – 13 ppb 5.19 ppb		4.67 ppb	600 ppb	
Station 2							
TAPI Analyzer	H_2S	No	0-0 ppb	0.20 ppb	0.42 ppb	600 ppb	
Station 3							
TAPI Analyzer	H_2S	No	0 – 0 ppb 0.20 ppb b 0.28 ppb		0.28 ppb	600 ppb	

^a Based on 30-minute averages.

Notes:

ATSDR MRL Agency for Toxic Substances and Disease Registry Minimal Risk Level (MRL)

AEGL EPA Acute Exposure Guidelines Levels

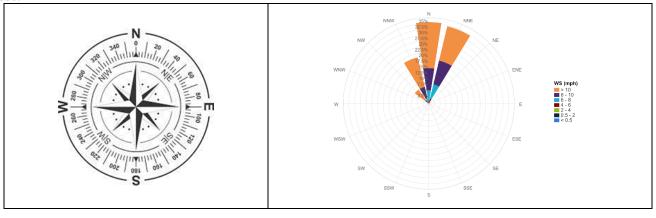
H₂S Hydrogen Sulfide

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.



^b The 24-hour H₂S average at Station 3 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.



Legend



Offsite Fixed Monitoring Locations



Onsite Fixed Monitoring Locations



New-Indy Catawba

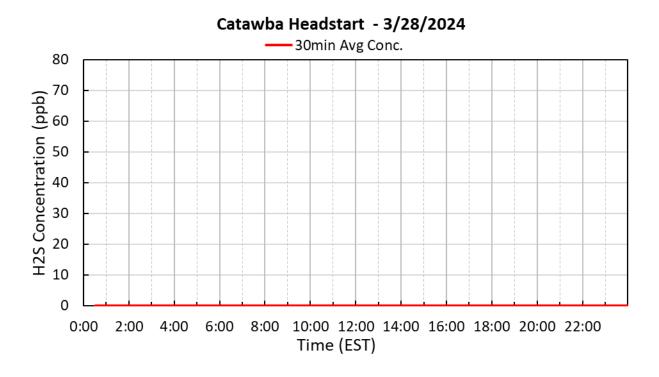
Period H₂S Monitoring Hydrogen Sulfide Offsite Monitors

Below are graphs for offsite locations where hydrogen sulfide (H₂S) was detected during the current reporting period.

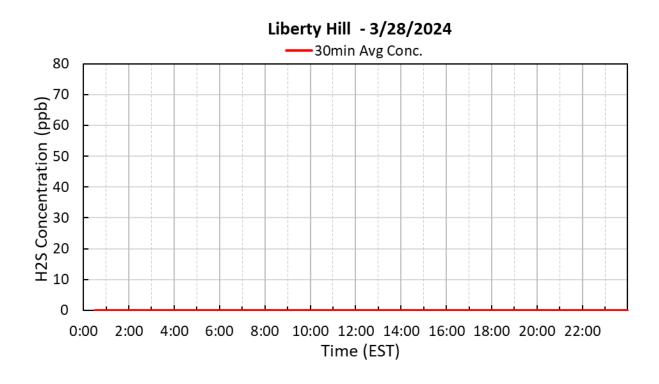
The five stand-alone H₂S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were predominantly coming from the north-northwest, north, and north-northeast direction throughout the day at 5 to 16 mph.

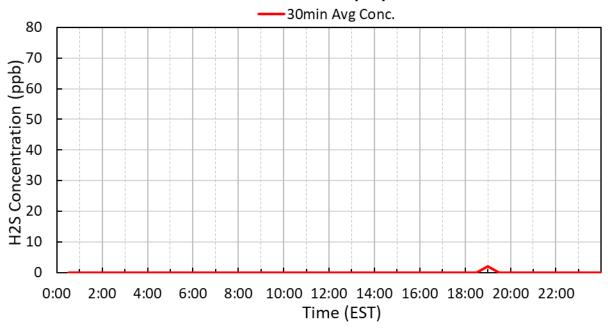
See wind rose diagram with aerial map figure for full wind data during this reporting period.



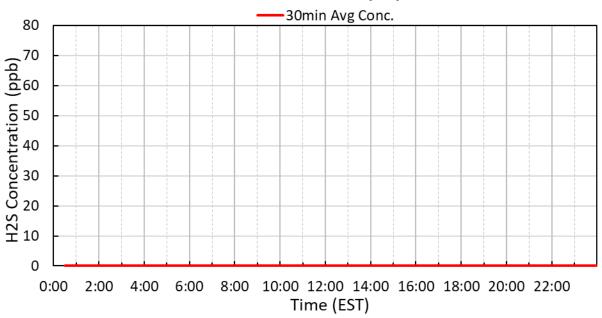
Treetops - 3/28/2024 ——30min Avg Conc. 70 (ad 60 U 50 10 0:00 2:00 4:00 6:00 8:00 10:00 12:00 14:00 16:00 18:00 20:00 22:00 Time (EST)



Riverchase - 3/28/2024



Millstone Creek - 3/28/2024



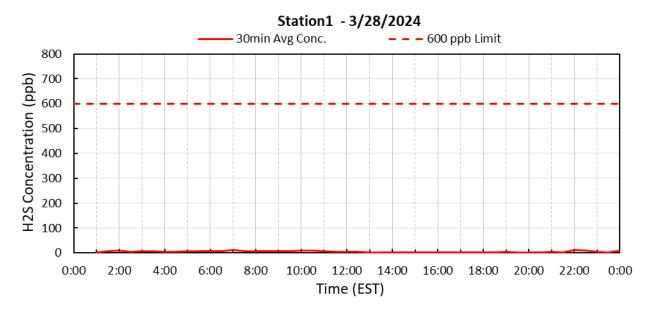
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

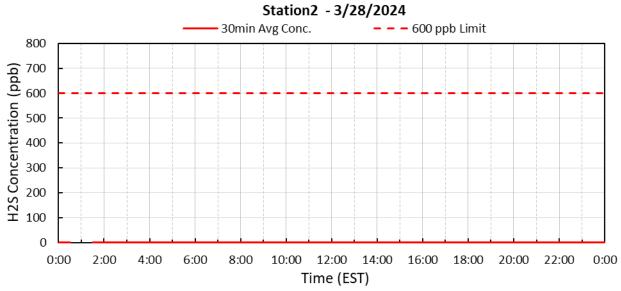
Below are graphs for onsite locations during the current reporting period.

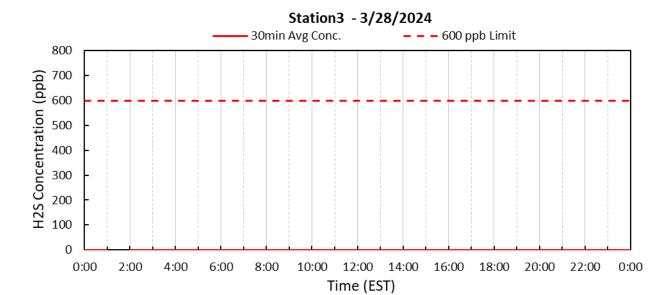
Depending on wind direction, the H_2S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were predominantly coming from the north-northwest, north, and north-northeast direction throughout the day at 5 to 16 mph.

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







Submitted Fenceline H_2S and Met 30-minute Data

	Station 1		Station 2			Station 3			
30-Minute Avgs	H2S Met		H2S Met			H2S Met			
3/28/2024	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
Date / Time	ppb	mph	degrees	ppb	mph	degrees	ppb	mph	degrees
3/28/2024 0:30	AX	6.6	18	0.2	2.5	22	0.2	2.3	13
3/28/2024 1:00	3.2	5.7	38	AX	2.0	38	0.2	2.0	33
3/28/2024 1:30	7.7	8.5	11	0.2	3.2	17	AX	3.2	4
3/28/2024 2:00	9.3	8.4	12	0.2	2.6	20	0.2	3.1	13
3/28/2024 2:30	3.9	9.2	7	0.2	3.0	351	0.2	2.9	359
3/28/2024 3:00	6.6	8.9	8	0.2	2.4	6	0.2	2.7	9
3/28/2024 3:30	7.5	10.8	10	0.2	3.7	8	0.2	3.2	10
3/28/2024 4:00	4.9	11.8	8	0.2	4.0	4	0.2	4.2	6
3/28/2024 4:30	5.1	13.3	8	0.2	4.9	356	0.2	4.5	3
3/28/2024 5:00	6.3	11.5	11	0.2	3.7	12	0.2	3.9	11
3/28/2024 5:30	7.9	7.9	14	0.2	2.1	18	0.2	2.6	9
3/28/2024 6:00	6.1	8.6	11	0.2	2.4	6	0.2	2.8	7
3/28/2024 6:30	7.3	7.6	14	0.2	1.8	28	0.2	2.0	15
3/28/2024 7:00	12.1	9.2	15	0.2	3.0	21	0.2	3.4	9
3/28/2024 7:30	6.5	8.1	22	0.2	1.7	48	0.2	1.9	24
3/28/2024 8:00	7.8	8.7	10	0.2	3.6	7	0.2	3.6	7
3/28/2024 8:30	8.2	10.8	15	0.2	5.0	8	0.2	4.0	10
3/28/2024 9:00	7.6	12.5	14	0.2	4.1	20	0.2	4.2	16
3/28/2024 9:30	8.1	14.6	11	0.2	6.0	17	0.2	5.8	13
3/28/2024 10:00	9.8	10.9	15	0.2	3.7	22	0.2	3.4	19
3/28/2024 10:30	9.2	9.8	13	0.2	3.6	15	0.2	3.8	11
3/28/2024 11:00	6.0	12.4	12	0.2	5.0	14	0.2	4.4	9
3/28/2024 11:30	5.9	16.0	9	0.2	5.1	4	0.2	5.0	6
3/28/2024 12:00	5.6	11.7	15	0.2	6.8	360	0.2	5.9	8
3/28/2024 12:30	4.1	12.2	12	0.2	6.3	349	0.2	5.5	359
3/28/2024 13:00	2.8	14.0	355	0.2	6.9	1	0.2	5.9	10
3/28/2024 13:30	2.4	13.1	356	0.2	7.1	343	0.2	6.0	360
3/28/2024 14:00	2.0	12.2	349	0.2	6.3	352	0.2	5.1	5
3/28/2024 14:30	2.3	13.1	357	0.2	6.6	351	0.2	4.8	5
3/28/2024 15:00	1.3	13.6	326	0.2	7.6	310	0.2	2.7	337
3/28/2024 15:30	1.2	10.9	336	0.2	7.7	296	0.2	3.2	339
3/28/2024 16:00	1.4	11.9	337	0.2	8.5	302	0.2	2.2	319
3/28/2024 16:30	1.0	13.3	330	0.2	6.6	308	0.2	2.6	327
3/28/2024 17:00	1.5	13.6	340	0.2	6.3	323	0.2	3.9	348
3/28/2024 17:30	2.1	11.7	341	0.2	5.5	334	0.2	4.1	349
3/28/2024 17:30	1.6	12.3	329	0.2	5.8	313	0.2	2.6	337
3/28/2024 18:30	1.9	10.9	339	0.2	4.8	334	0.2	4.4	354
3/28/2024 19:00	4.1	9.3	352	0.2	3.2	351	0.2	3.1	347
3/28/2024 19:30	1.7	10.0	344	0.2	3.2	348	0.2	3.1	351
3/28/2024 19:30	1.3	9.8	333	0.2	3.1	353	0.2	3.5	351
3/28/2024 20:30	1.7	9.7	339	0.2	3.7	355	0.2	4.0	356
3/28/2024 20:30	4.6	12.7	347	0.2	4.2	359	0.2	4.0	2
3/28/2024 21:30	2.2	11.4	343	0.2	3.1	358	0.2	2.9	358
3/28/2024 22:00	12.6	9.1	11	0.2	2.8	10	0.2	3.3	9
3/28/2024 22:30	10.1	9.1	8	0.2	4.1	352	0.2	4.0	360
3/28/2024 22:30	3.9	10.0	346	0.2	3.3	345	0.2	2.4	345
	3.9	8.1						0.8	27
3/28/2024 23:30 3/29/2024 0:00	10.4	5.4	345 8	0.2	1.8 0.7	358 3	0.2	0.8	342

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				