

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: 10/04/24 12:00 am

To: 10/04/24 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 ₂ S	No	0 – 0 ppb	0.00 ppb ^d	0.00 ppb	70 ppb
Treetops						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb ^e	0.00 ppb	70 ppb
Liberty Hill						
Acrulog PPB	H ₂ S	No	0 – 2 ppb	0.09 ppb ^f	0.15 ppb	70 ppb
Riverchase Estates						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb ^g	0.00 ppb	70 ppb
Millstone Creek						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb ^h	0.00 ppb	70 ppb

^d The 24-hour H₂S average at Catawba Headstart is not represented by the full 24-hour sampling period; a total of 1 30-minute average is missing due to routine QC checks performed at this location.

^e The 24-hour H₂S average at Treetops is not represented by the full 24-hour sampling period; a total of 1 30-minute average is missing due to routine QC checks performed at this location.

^f The 24-hour H₂S average at Liberty Hill is not represented by the full 24-hour sampling period; a total of 1 30-minute average is missing due to routine QC checks performed at this location.

^g The 24-hour H₂S average at Riverchase Estates is not represented by the full 24-hour sampling period; a total of 1 30-minute average is missing due to routine QC checks performed at this location.

^h The 24-hour H₂S average at Millstone Creek is not represented by the full 24-hour sampling period; a total of 1 30-minute average is missing due to routine QC checks performed at this location.

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 – 43 ppb	13.69 ppb	5.69 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	0 – 1 ppb	0.21 ppb ^b	0.38 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	0 – 1 ppb	0.22 ppb ^c	0.22 ppb	600 ppb

^a Based on 30-minute averages.

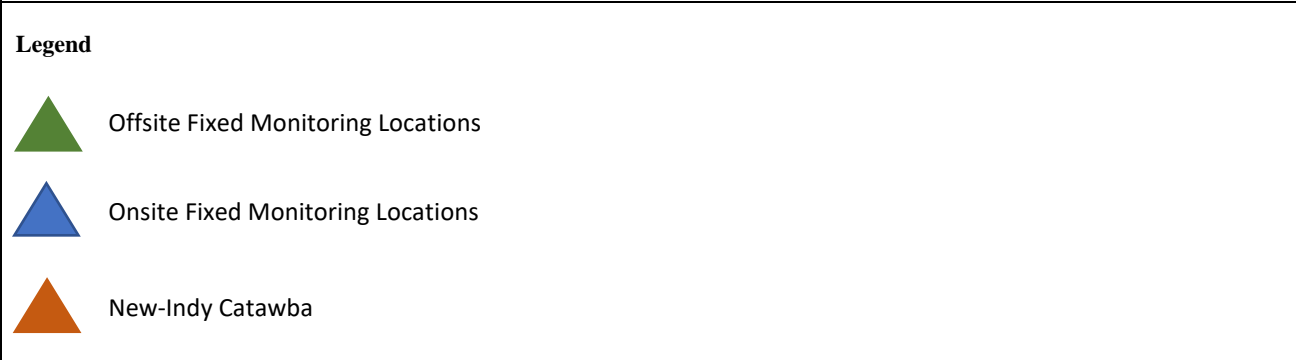
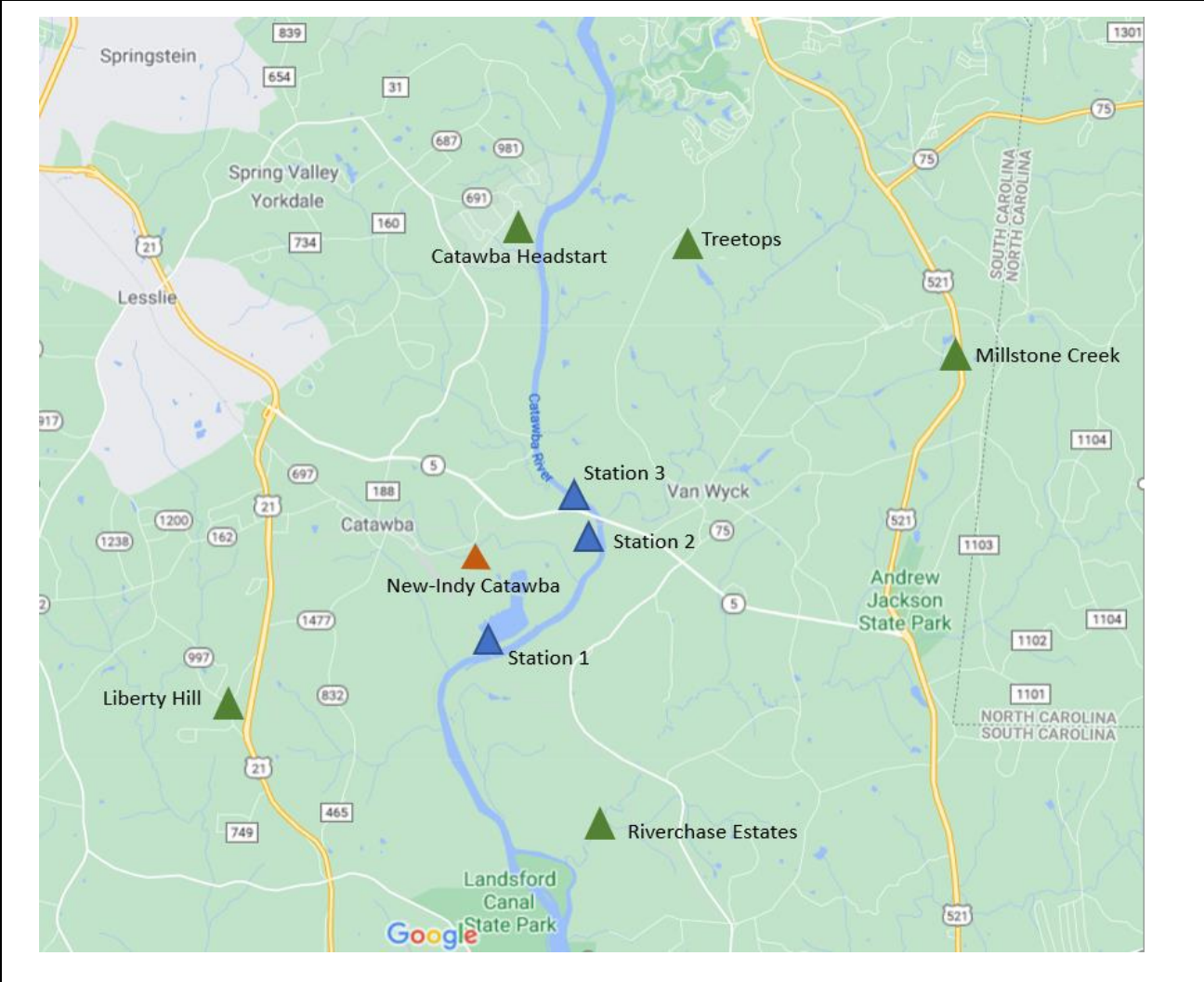
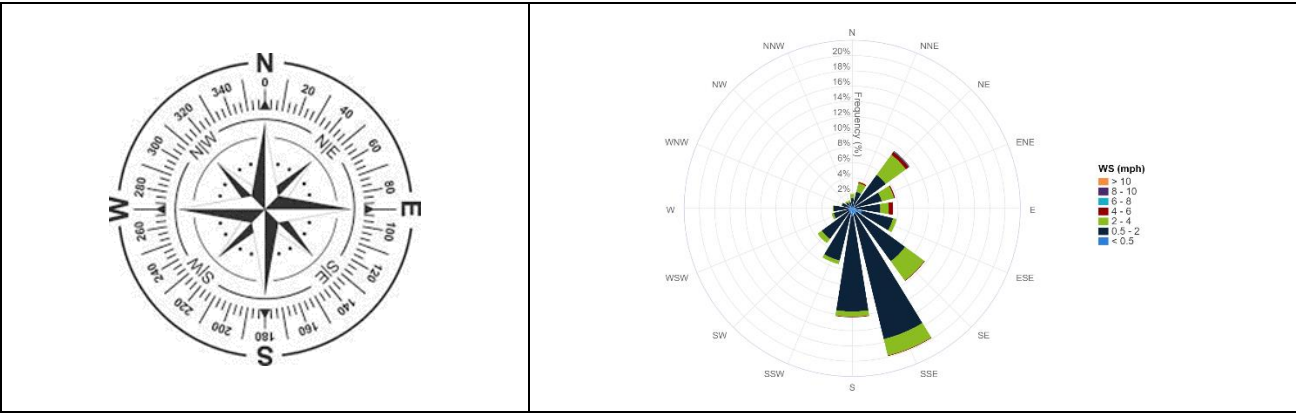
^b The 24-hour H₂S average at Station 2 from the start of the sampling period to the end of the sampling period is represented by the backup unit data.

^c The 24-hour H₂S average at Station 3 is not represented by the full 24-hour sampling period; a total of 29 30-minute averages are missing due to multi-point verification work, calibration work, and poor QA results during the QC checks at this station.

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.



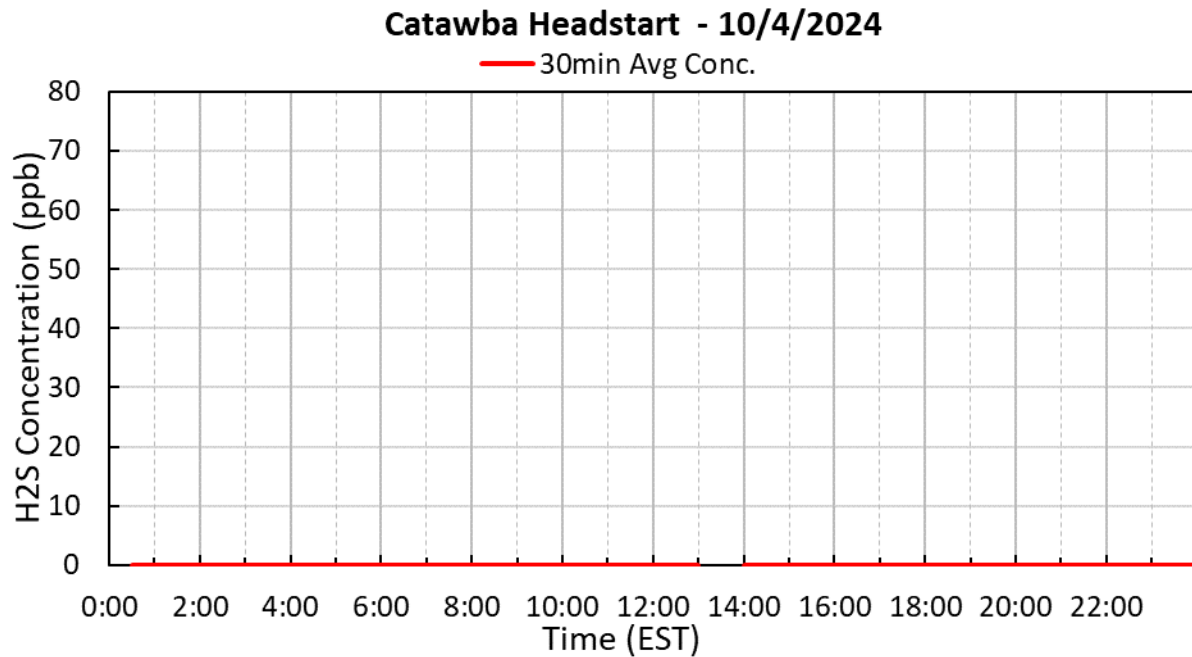
Period H₂S Monitoring Hydrogen Sulfide Offsite Monitors

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.

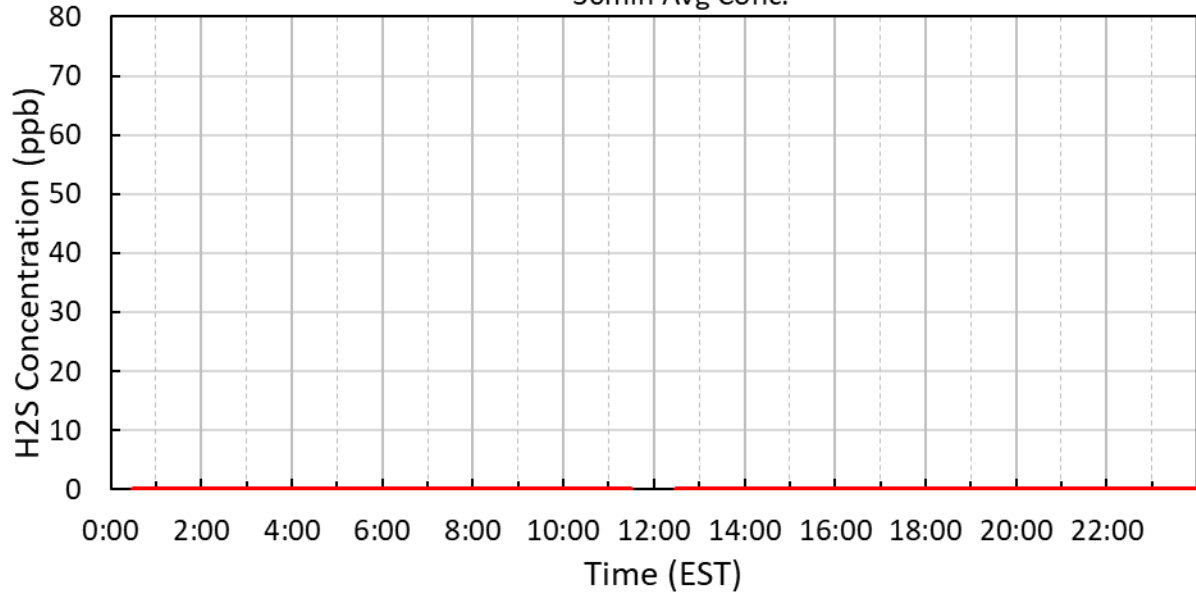
Winds were coming from a variable direction throughout the day at 1 to 3 mph.

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



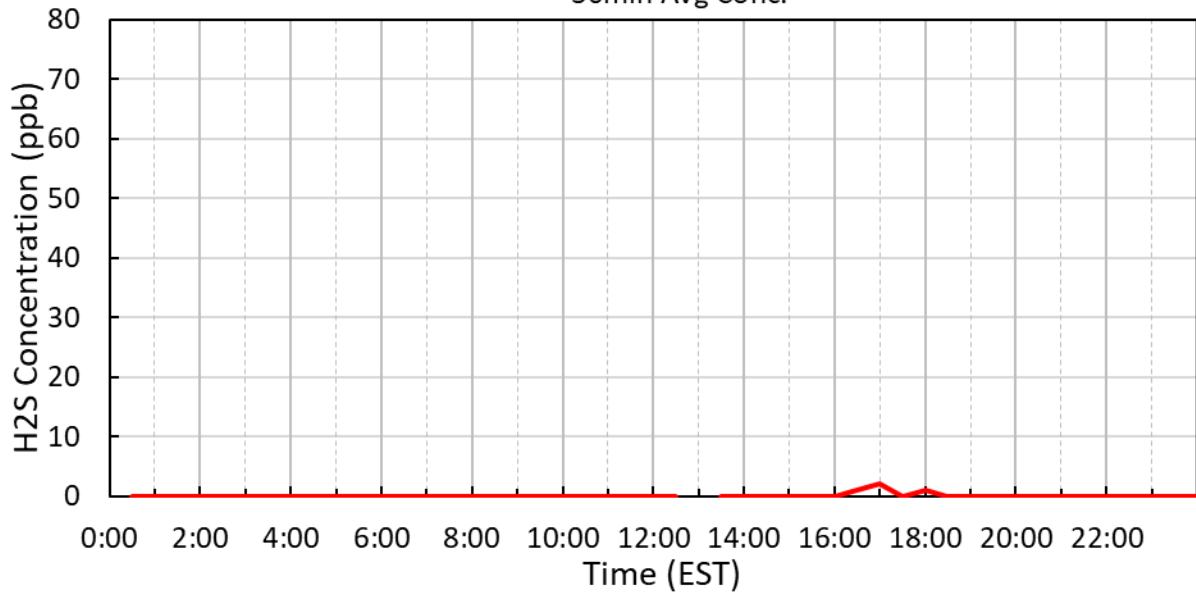
Treetops - 10/4/2024

— 30min Avg Conc.



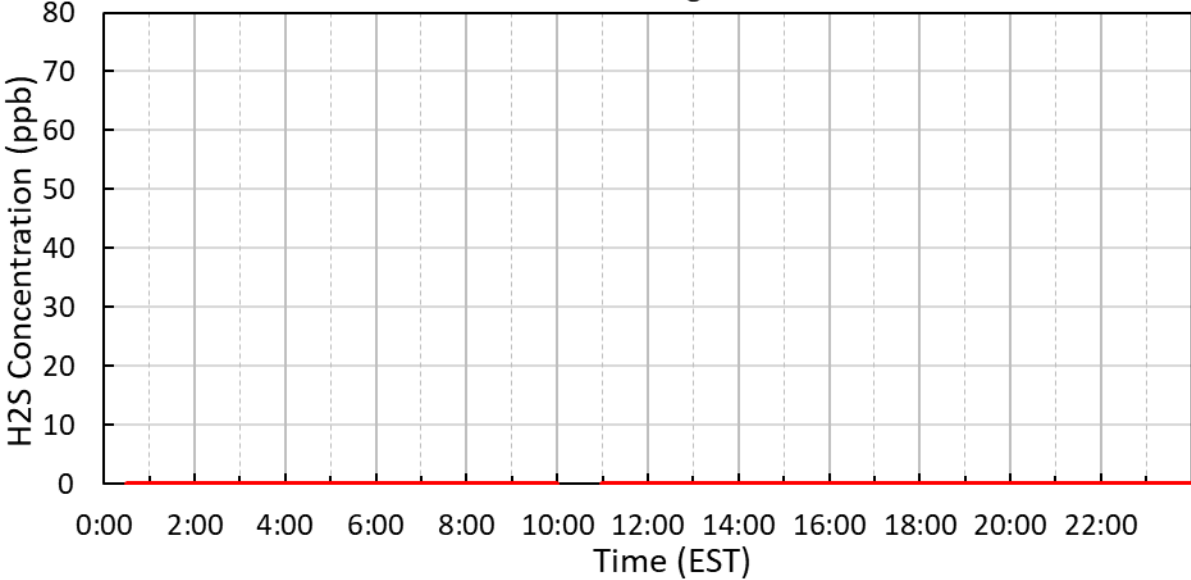
Liberty Hill - 10/4/2024

— 30min Avg Conc.



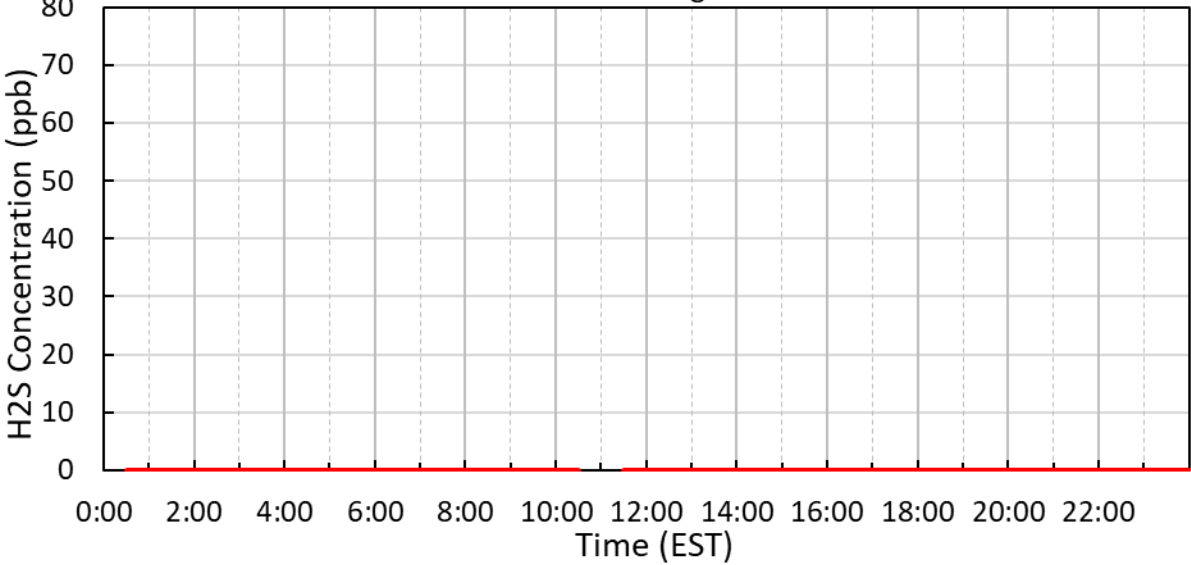
Riverchase - 10/4/2024

— 30min Avg Conc.



Millstone Creek - 10/4/2024

— 30min Avg Conc.



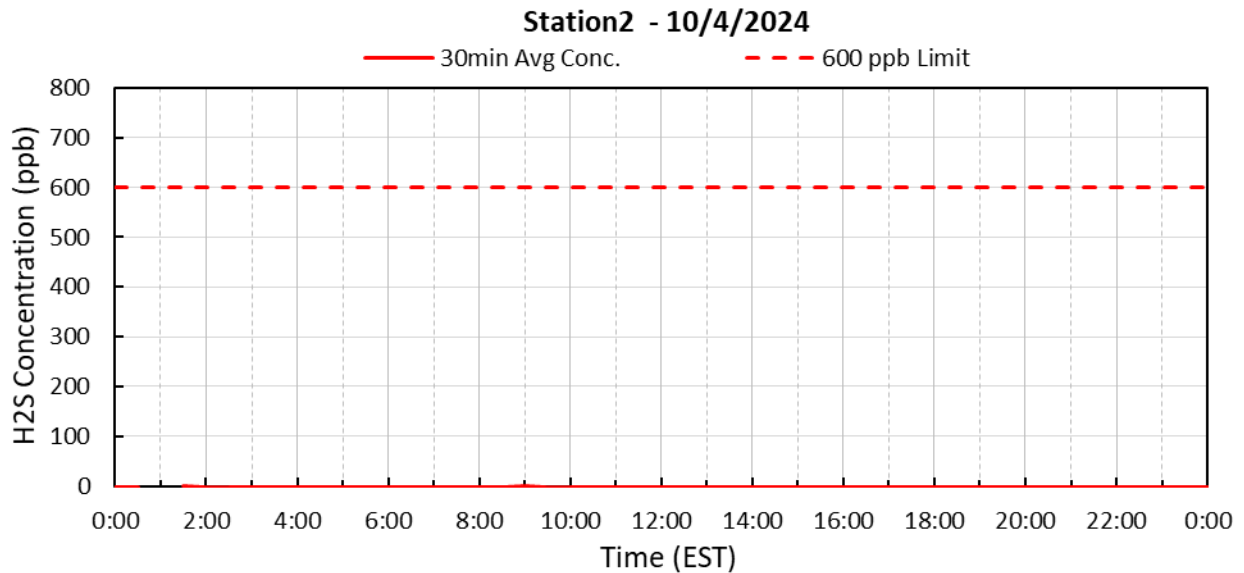
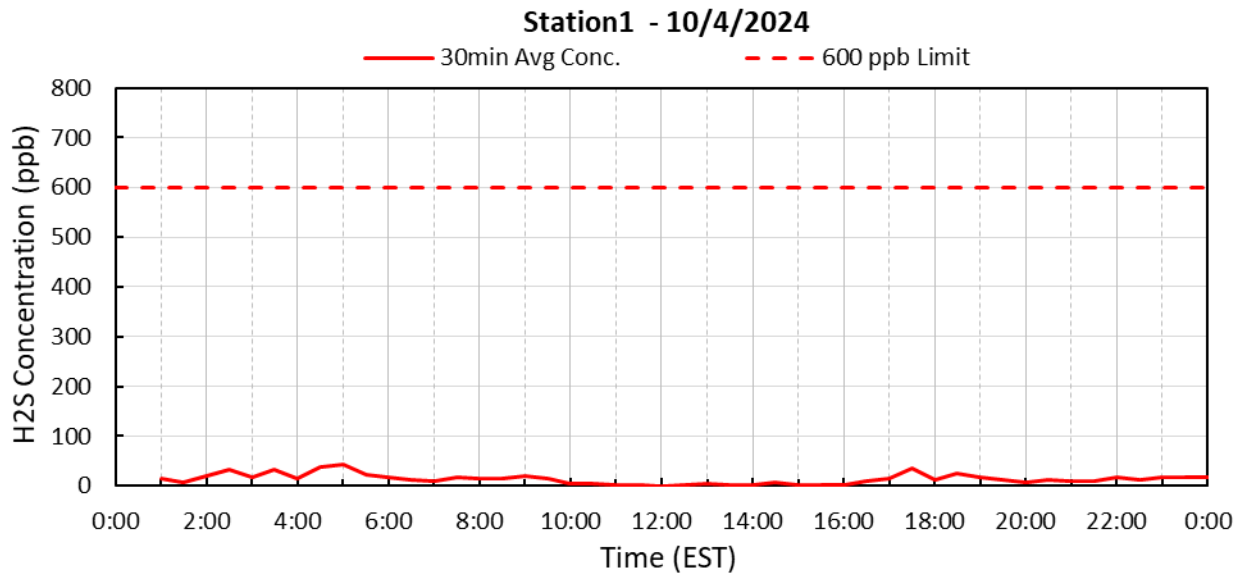
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

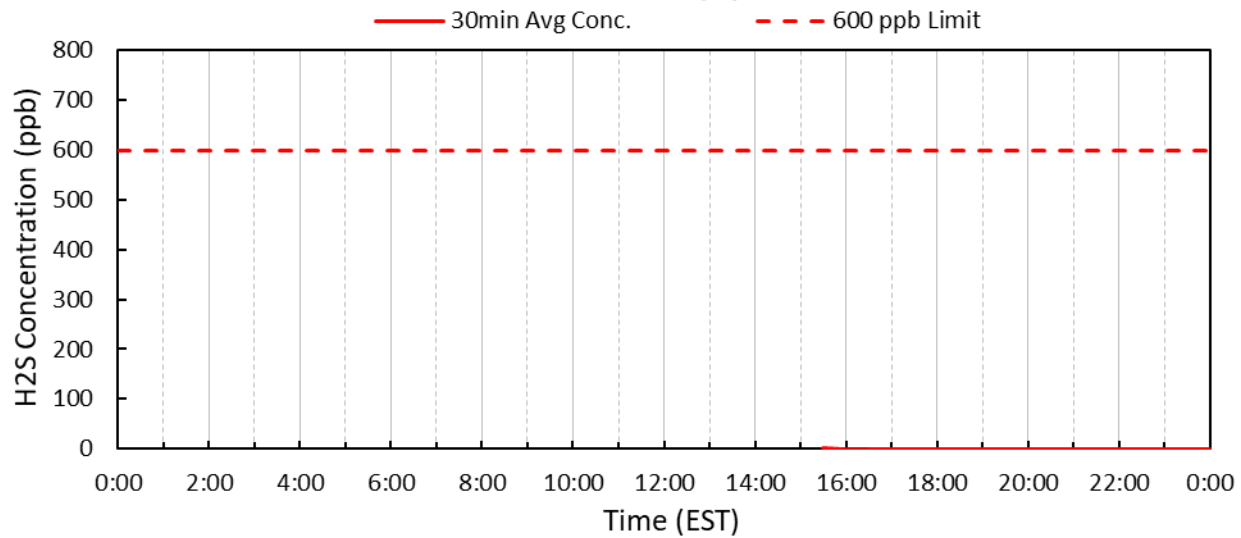
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were coming from a variable direction throughout the day at 1 to 3 mph.

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



Station3 - 10/4/2024



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
10/4/2024 0:30	AX	1.1	168	0.2	0.2	352	AS	0.2	357
10/4/2024 1:00	14.1	1.3	153	AX	0.2	39	AS	0.2	299
10/4/2024 1:30	6.0	0.9	197	0.4	0.3	9	AX	0.3	346
10/4/2024 2:00	19.4	0.8	201	0.2	0.2	9	AS	0.3	250
10/4/2024 2:30	33.8	1.3	181	0.2	0.2	328	AS	0.4	215
10/4/2024 3:00	16.3	1.0	133	0.2	0.2	42	AS	0.3	75
10/4/2024 3:30	33.3	1.1	145	0.2	0.3	48	AS	0.2	55
10/4/2024 4:00	13.7	1.7	70	0.2	0.4	42	AS	0.3	22
10/4/2024 4:30	37.2	1.3	151	0.2	0.2	44	AS	0.2	304
10/4/2024 5:00	43.3	1.0	156	0.2	0.3	36	AS	0.3	357
10/4/2024 5:30	23.1	0.7	175	0.2	0.6	20	AS	0.4	344
10/4/2024 6:00	17.6	1.0	90	0.2	0.2	39	AS	0.4	356
10/4/2024 6:30	11.8	1.3	142	0.2	0.3	38	AS	0.2	284
10/4/2024 7:00	10.6	1.0	250	0.2	0.6	15	AS	0.6	354
10/4/2024 7:30	18.8	1.0	105	0.2	0.4	31	AS	0.7	64
10/4/2024 8:00	15.8	0.7	227	0.2	0.5	5	AS	0.3	90
10/4/2024 8:30	14.7	0.8	35	0.2	1.3	12	AS	0.9	14
10/4/2024 9:00	20.9	2.7	45	0.7	0.6	14	AX	0.8	26
10/4/2024 9:30	14.0	1.2	51	0.2	0.7	355	AS	1.2	22
10/4/2024 10:00	5.6	1.0	83	0.2	1.2	20	BC	1.3	20
10/4/2024 10:30	3.5	1.4	39	0.2	1.9	336	BC	0.9	60
10/4/2024 11:00	1.7	2.5	23	0.2	1.2	70	BC	1.7	107
10/4/2024 11:30	1.1	2.5	88	0.2	0.9	138	BC	1.7	129
10/4/2024 12:00	0.5	2.8	71	0.2	0.8	75	BC	1.6	70
10/4/2024 12:30	2.3	2.5	110	0.2	0.8	107	BC	1.6	87
10/4/2024 13:00	3.7	2.2	98	0.2	1.0	83	BC	1.4	98
10/4/2024 13:30	1.4	2.1	73	0.2	1.6	167	BC	1.5	75
10/4/2024 14:00	1.2	1.5	250	0.2	1.1	302	BC	1.0	5
10/4/2024 14:30	6.0	1.8	202	0.2	1.3	356	BC	0.5	289
10/4/2024 15:00	1.8	1.6	19	0.2	1.8	1	BC	0.5	282
10/4/2024 15:30	0.9	1.5	29	0.2	2.2	301	0.5	0.4	272
10/4/2024 16:00	0.9	1.5	197	0.2	0.6	73	0.2	0.3	187
10/4/2024 16:30	10.1	1.3	131	0.2	0.4	99	0.2	0.3	167
10/4/2024 17:00	15.6	2.4	152	0.2	0.4	81	0.2	0.8	146
10/4/2024 17:30	34.4	1.2	193	0.2	0.3	36	0.2	0.4	259
10/4/2024 18:00	11.7	1.6	171	0.2	0.6	80	0.2	0.4	225
10/4/2024 18:30	26.2	1.8	172	0.2	0.6	24	0.2	0.4	329
10/4/2024 19:00	16.4	1.6	159	0.2	0.4	63	0.2	0.5	117
10/4/2024 19:30	13.6	1.3	191	0.2	0.3	55	0.2	0.3	343
10/4/2024 20:00	6.0	1.7	122	0.2	0.6	77	0.2	0.5	65
10/4/2024 20:30	12.3	1.2	132	0.2	0.7	63	0.2	0.6	80
10/4/2024 21:00	8.6	0.9	167	0.2	0.4	50	0.2	0.3	74
10/4/2024 21:30	10.2	1.0	204	0.2	0.3	44	0.2	0.3	269
10/4/2024 22:00	18.2	1.3	174	0.2	0.2	62	0.2	0.4	284
10/4/2024 22:30	13.6	1.3	176	0.2	0.5	70	0.2	0.4	282
10/4/2024 23:00	17.0	1.0	182	0.2	0.3	52	0.2	0.4	340
10/4/2024 23:30	17.0	1.1	156	0.2	0.4	65	0.2	0.2	56
10/5/2024 0:00	17.5	0.8	195	0.2	0.5	50	0.2	0.4	338

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