

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: 10/20/23 12:00 am **To:** 10/20/23 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 – 4 ppb	0.17 ppb	0.02 ppb	70 ppb
Treetops						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb
Liberty Hill						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb
Riverchase Estates						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb	0.02 ppb	70 ppb
Millstone Creek						
Acrulog PPB	H ₂ S	No	0 – 0 ppb	0.00 ppb	0.00 ppb	70 ppb

Onsite Fenceline Monitors

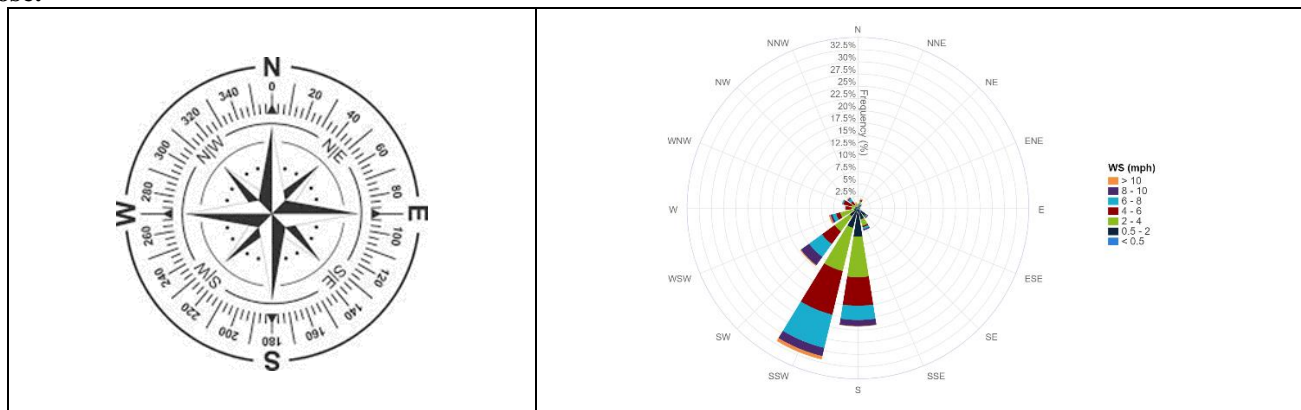
Instrument	Analyte	30-min AEGL Reached?	Concentration Range Detected ^a	24-hr Average ^a	7-day Average	30-min AEGL
Station 1						
TAPI Analyzer	H ₂ S	No	0 – 6 ppb	0.54 ppb	2.57 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	1 – 2 ppb	0.90 ppb	0.83 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	0 – 7 ppb	1.89 ppb	0.58 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.





Legend

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

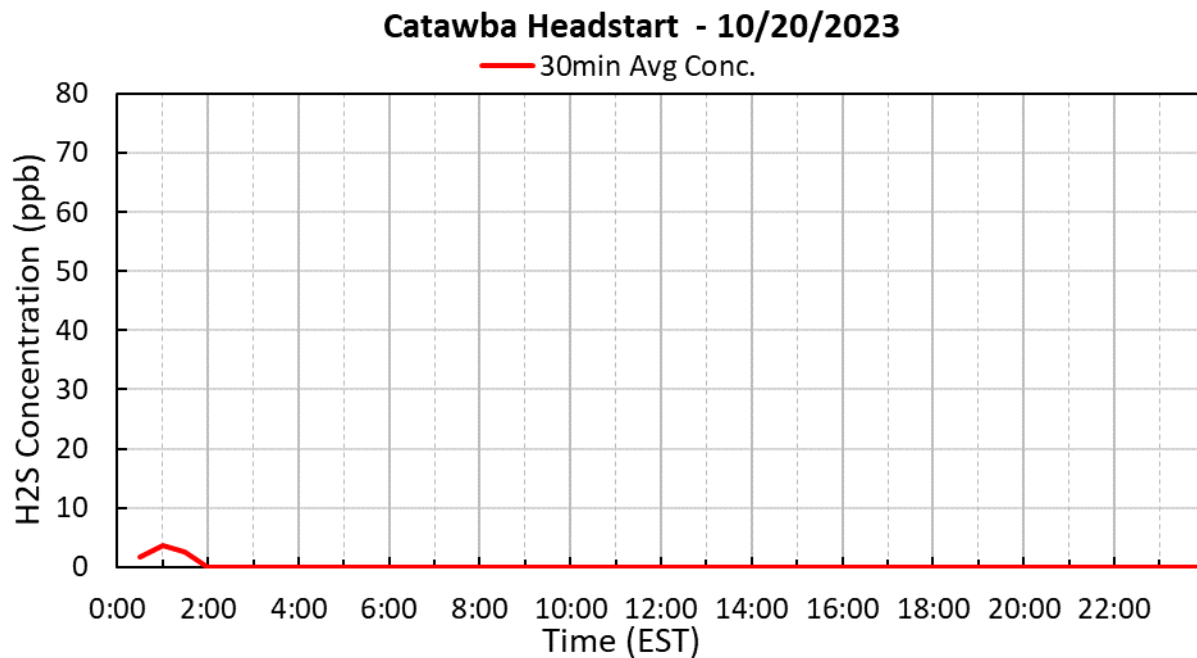
Period H₂S Monitoring Hydrogen Sulfide Offsite Monitors

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

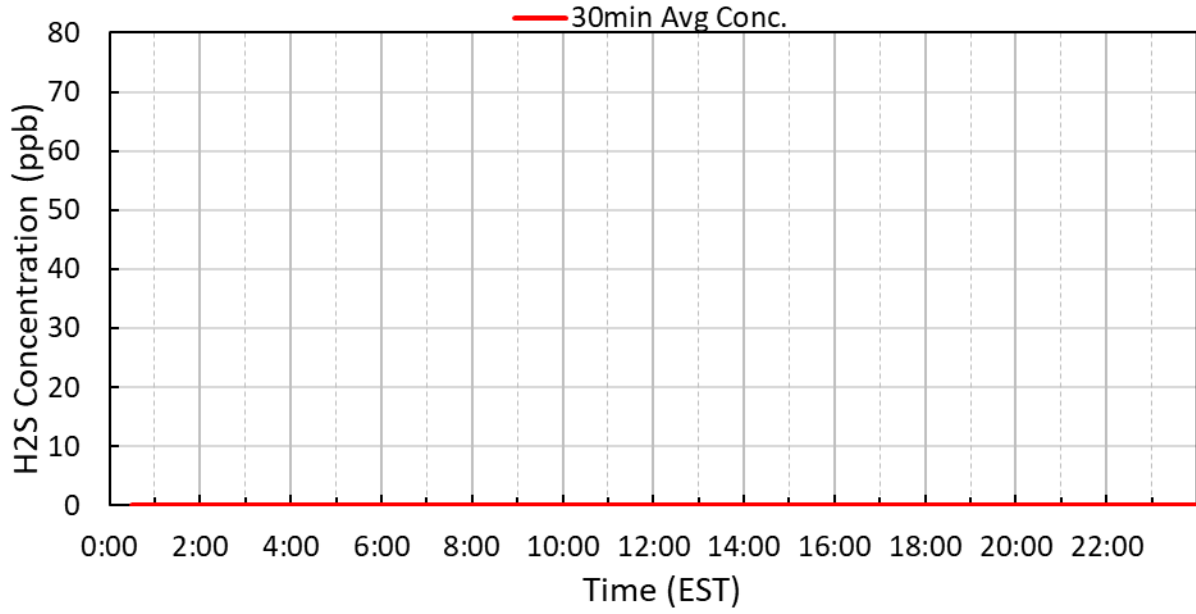
The five stand-alone H₂S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were predominantly coming from the south, south-southwest, and southwest direction throughout the day at 1 to 11 mph.

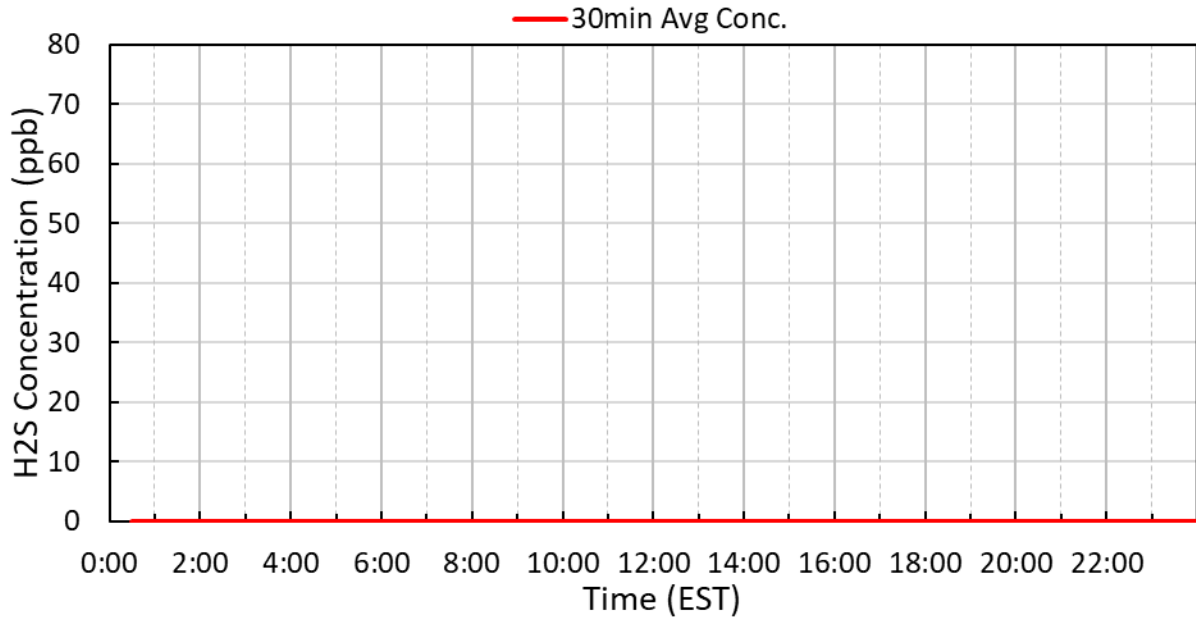
See wind rose diagram with aerial map figure for full wind data during this reporting period.



Treetops - 10/20/2023

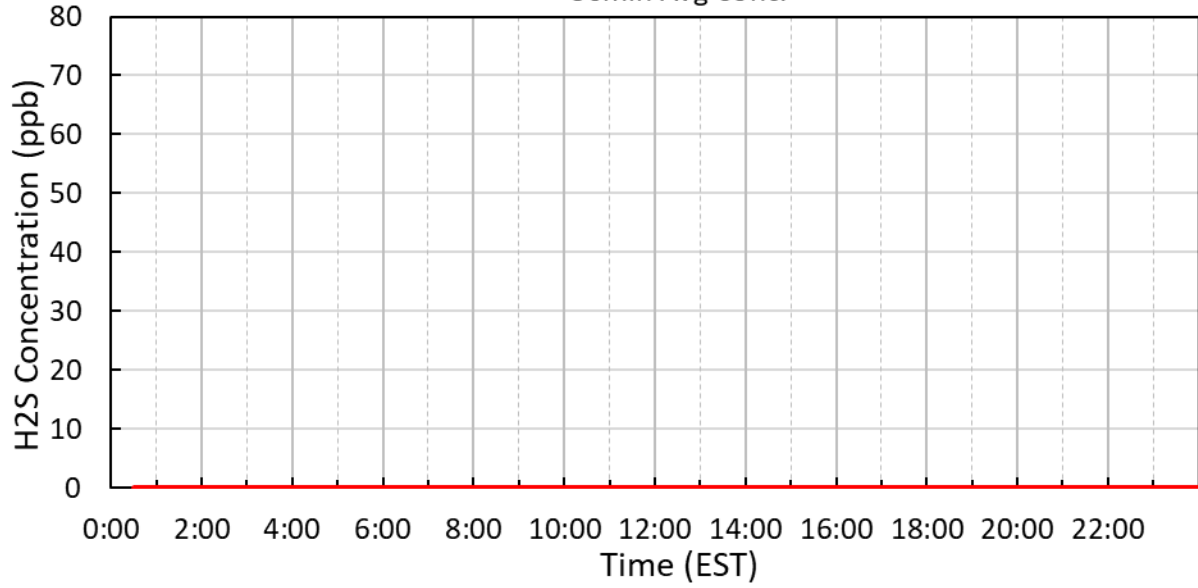


Liberty Hill - 10/20/2023



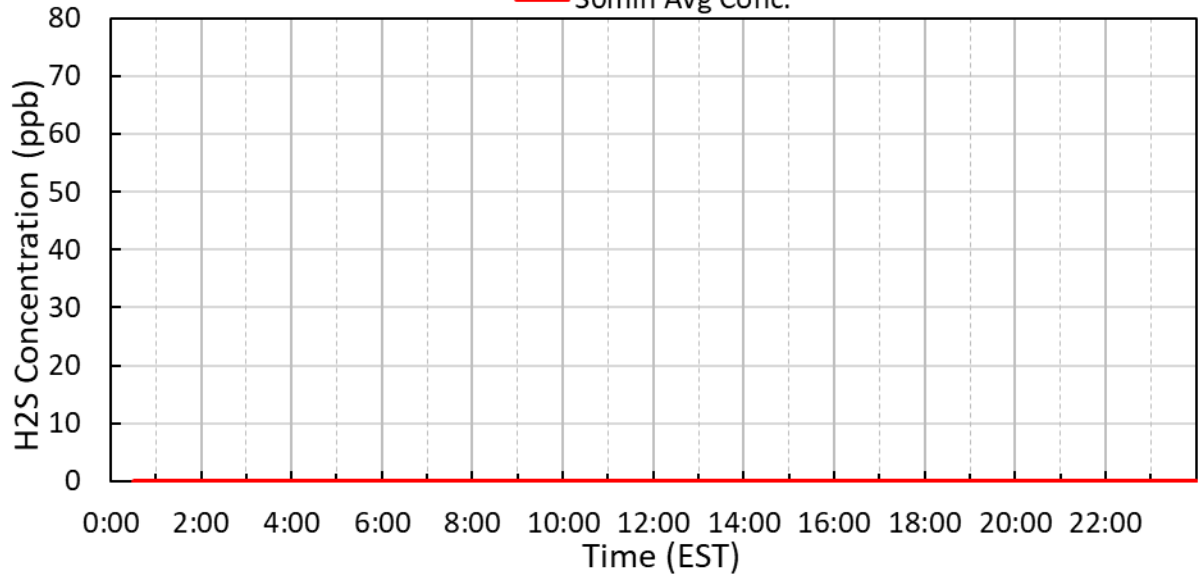
Riverchase - 10/20/2023

— 30min Avg Conc.



Millstone Creek - 10/20/2023

— 30min Avg Conc.



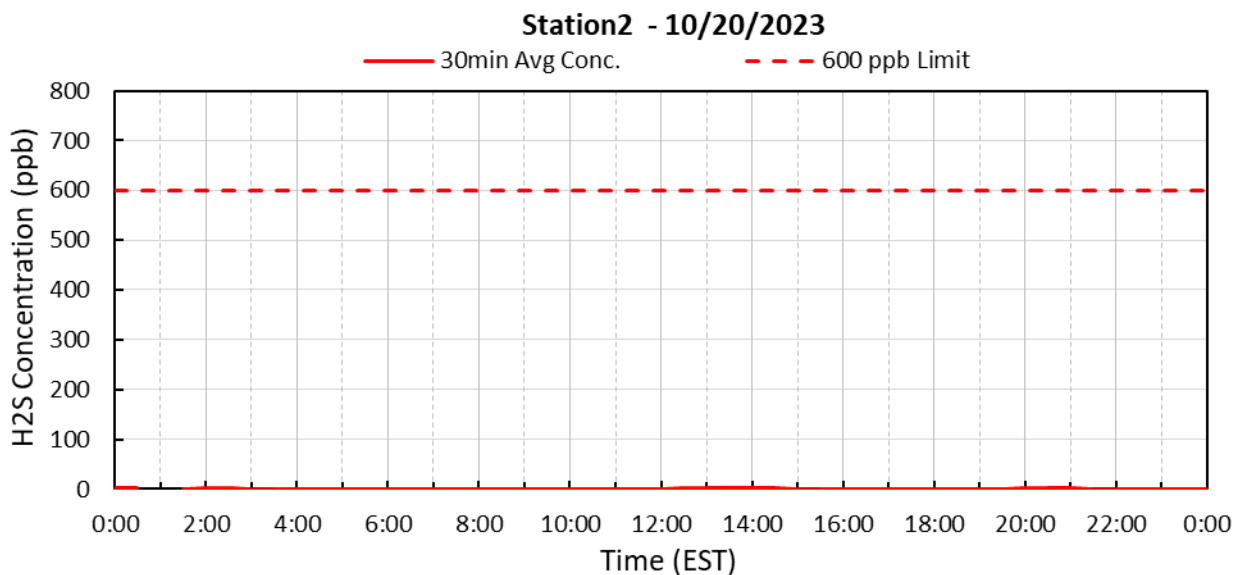
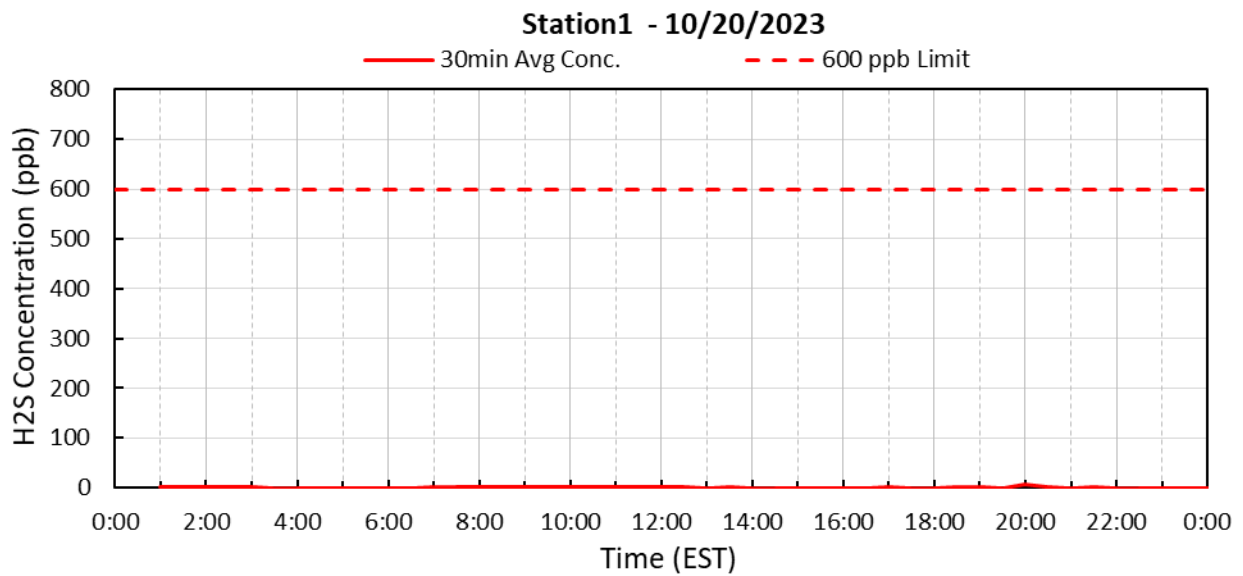
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

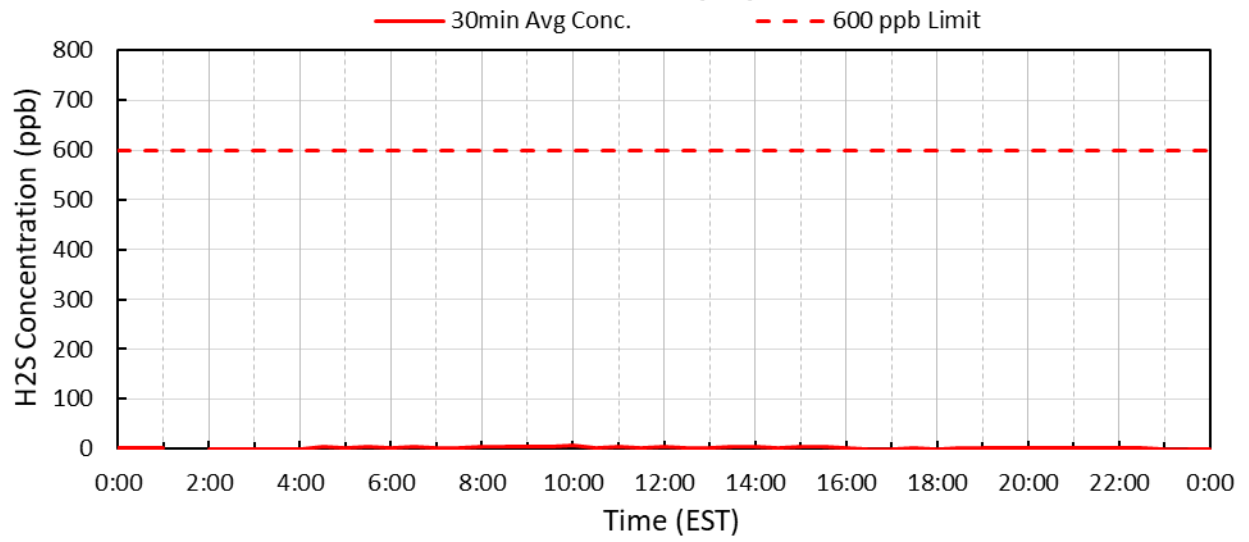
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were predominantly coming from the south, south-southwest, and southwest direction throughout the day at 1 to 11 mph.

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



Station3 - 10/20/2023



Submitted Fenceline H₂S and Met 30-minute Data

30-Minute Avgs	Station 1			Station 2			Station 3		
	H2S	Met		H2S	Met		H2S	Met	
10/20/2023	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
10/20/2023 0:30	AX	2.1	197	1.3	0.4	249	0.5	0.6	92
10/20/2023 1:00	0.7	3.1	193	AX	0.8	201	0.6	0.5	124
10/20/2023 1:30	0.7	2.5	198	1.0	0.3	182	AX	0.4	168
10/20/2023 2:00	0.5	1.7	192	2.4	0.3	219	0.4	0.4	84
10/20/2023 2:30	0.4	1.5	169	1.1	0.7	143	0.4	0.7	110
10/20/2023 3:00	0.5	1.7	177	0.7	1.0	184	0.2	0.4	98
10/20/2023 3:30	0.2	3.3	113	0.6	0.9	182	0.2	0.4	186
10/20/2023 4:00	0.2	2.4	83	0.7	0.4	217	0.4	0.3	44
10/20/2023 4:30	0.2	1.9	183	0.7	0.5	200	3.1	0.5	156
10/20/2023 5:00	0.2	2.5	198	0.8	0.5	225	2.8	0.5	183
10/20/2023 5:30	0.2	3.0	197	0.9	0.8	201	3.8	0.7	169
10/20/2023 6:00	0.2	4.0	198	0.7	0.9	206	1.5	0.5	172
10/20/2023 6:30	0.2	4.5	193	0.7	0.7	183	3.2	0.8	160
10/20/2023 7:00	0.4	4.3	190	0.6	1.2	186	0.6	0.8	171
10/20/2023 7:30	0.5	4.4	195	0.7	2.5	206	1.8	1.8	198
10/20/2023 8:00	0.4	5.9	197	0.7	3.6	212	4.0	2.7	210
10/20/2023 8:30	0.5	6.7	200	0.7	4.5	217	5.5	3.5	217
10/20/2023 9:00	0.7	6.0	196	0.7	4.5	212	4.2	3.1	209
10/20/2023 9:30	0.6	7.2	204	0.7	4.8	213	5.0	4.0	217
10/20/2023 10:00	0.4	6.2	198	0.7	3.8	202	6.9	2.4	202
10/20/2023 10:30	0.4	7.8	178	0.7	3.9	195	1.0	3.0	193
10/20/2023 11:00	0.7	5.9	196	0.7	3.9	212	3.1	3.5	211
10/20/2023 11:30	0.8	7.4	202	0.6	5.7	219	3.0	4.2	220
10/20/2023 12:00	0.7	6.9	220	0.8	5.4	225	3.6	3.5	225
10/20/2023 12:30	0.4	5.2	225	1.1	4.4	221	1.7	2.9	238
10/20/2023 13:00	0.2	8.1	238	1.9	5.7	226	0.5	2.9	245
10/20/2023 13:30	0.4	7.4	218	1.2	5.9	224	3.8	3.6	230
10/20/2023 14:00	0.2	7.3	219	1.1	6.2	229	4.5	3.1	231
10/20/2023 14:30	0.2	5.6	222	1.7	5.1	234	1.2	3.4	241
10/20/2023 15:00	0.2	6.3	213	0.9	5.1	225	3.3	2.7	230
10/20/2023 15:30	0.2	5.5	194	0.7	4.1	220	3.2	3.5	197
10/20/2023 16:00	0.2	11.0	277	0.8	6.2	297	0.9	3.7	303
10/20/2023 16:30	0.2	4.0	235	0.7	2.3	154	0.2	2.1	177
10/20/2023 17:00	0.4	6.4	152	0.8	1.4	142	0.2	1.6	177
10/20/2023 17:30	0.2	4.8	191	0.9	2.3	209	0.5	2.0	194
10/20/2023 18:00	0.2	2.6	190	0.6	0.6	84	0.4	0.7	160
10/20/2023 18:30	0.4	1.1	112	0.6	0.5	86	0.6	0.6	253
10/20/2023 19:00	0.4	3.1	209	0.7	0.6	87	2.0	0.3	283
10/20/2023 19:30	0.2	1.9	178	0.7	0.7	73	1.9	0.5	237
10/20/2023 20:00	6.3	2.3	6	1.2	1.0	22	2.3	1.0	304
10/20/2023 20:30	1.9	1.8	213	1.7	0.6	66	1.9	0.6	186
10/20/2023 21:00	0.2	2.3	287	1.1	0.7	44	1.0	0.4	158
10/20/2023 21:30	1.7	3.7	276	0.9	0.4	330	0.8	0.2	241
10/20/2023 22:00	0.2	5.6	298	0.8	0.6	15	0.8	0.5	318
10/20/2023 22:30	0.2	4.1	260	0.7	0.7	332	0.6	0.5	261
10/20/2023 23:00	0.2	3.3	265	0.6	0.9	36	0.4	0.4	125
10/20/2023 23:30	0.2	0.8	240	0.7	0.7	278	0.2	1.2	221
10/21/2023 0:00	0.2	1.7	233	0.9	0.6	12	0.2	0.3	19

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