

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: 01/11/24 12:00 am

To: 01/11/24 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	0.00 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	0.00 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 – 4 ppb	0.78 ppb	1.23 ppb	600 ppb
Station 2						
TAPI Analyzer	H ₂ S	No	1 – 4 ppb	1.11 ppb	1.19 ppb	600 ppb
Station 3						
TAPI Analyzer	H ₂ S	No	4 – 5 ppb	4.30 ppb ^b	1.05 ppb	600 ppb

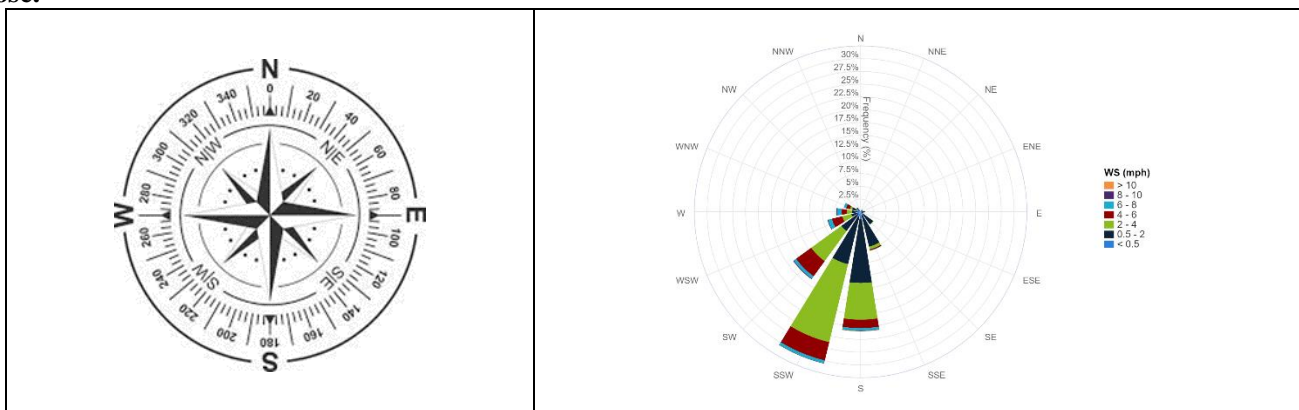
^a Based on 30-minute averages.

^b The 24-hour H₂S average at Station 3 is not represented by the 24-hr reporting period; a total of 46 30-minute averages are invalidated due to mechanical failure of the backup unit.

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

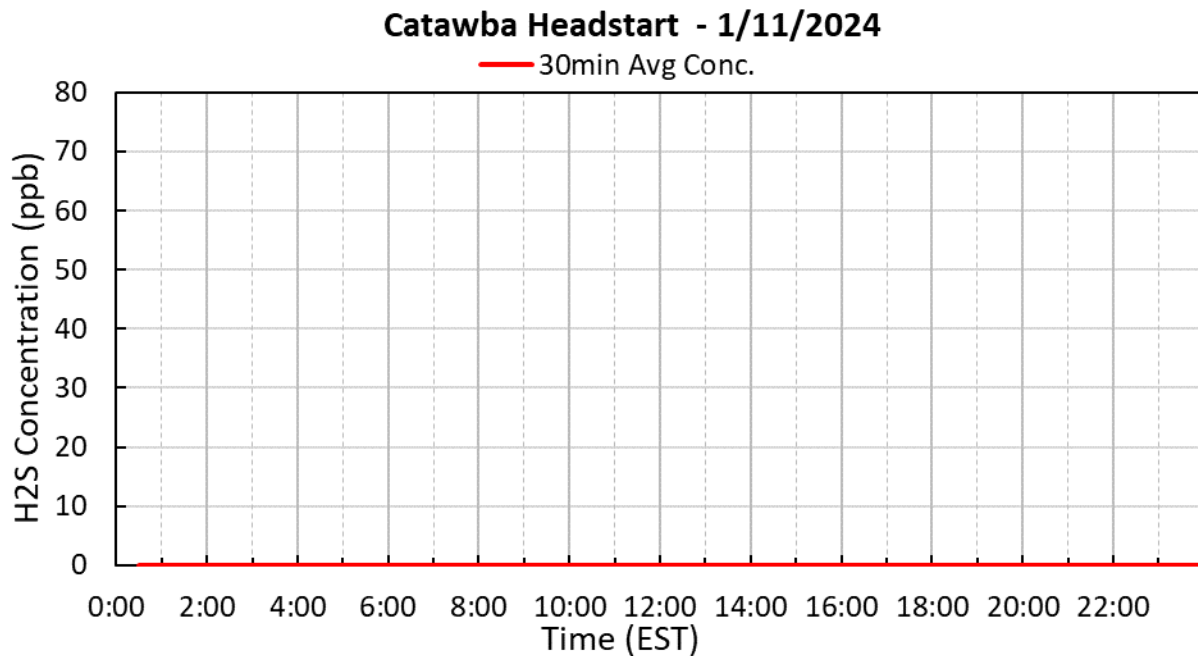
Period H₂S Monitoring Hydrogen Sulfide Offsite Monitors

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

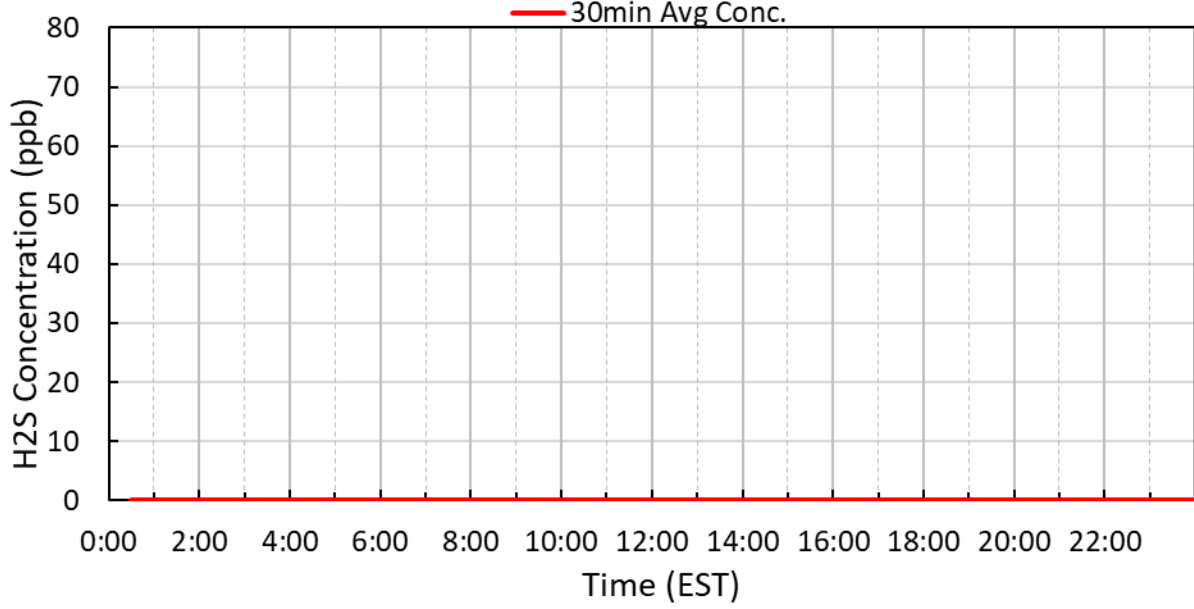
The five stand-alone H₂S monitoring stations correlate with five previous EPA's Viper monitoring system which includes areas to the north-northeast and south-southwest of the New-Indy Catawba Mill.

Winds were predominantly coming from the south, south-southwest, and southwest direction throughout the day at 0 to 6 mph.

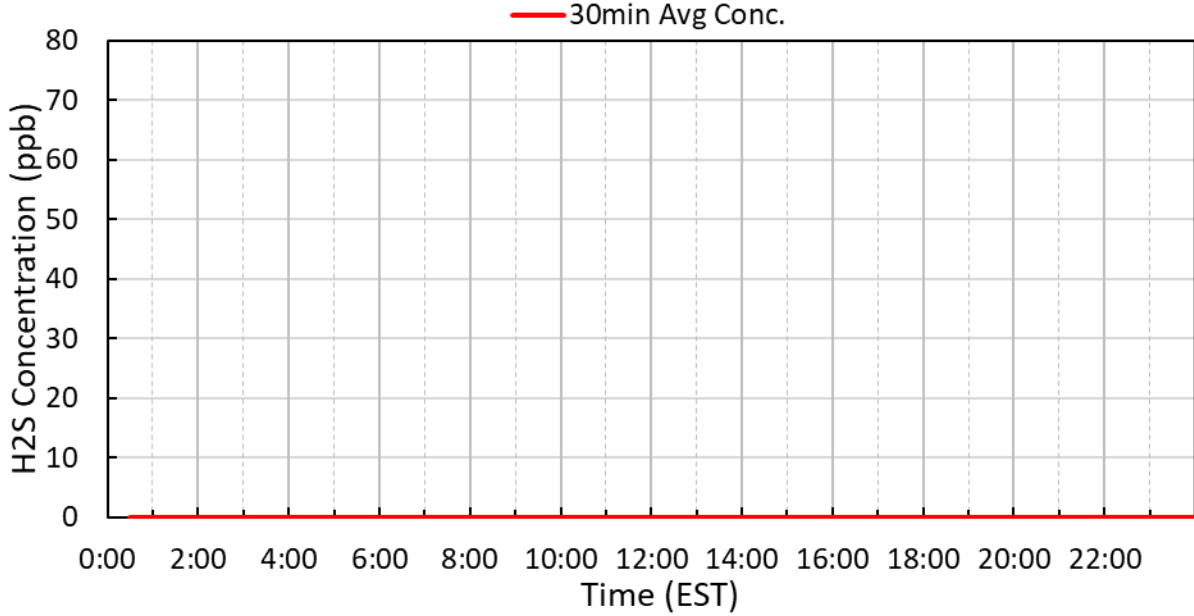
See wind rose diagram with aerial map figure for full wind data during this reporting period.



Treetops - 1/11/2024

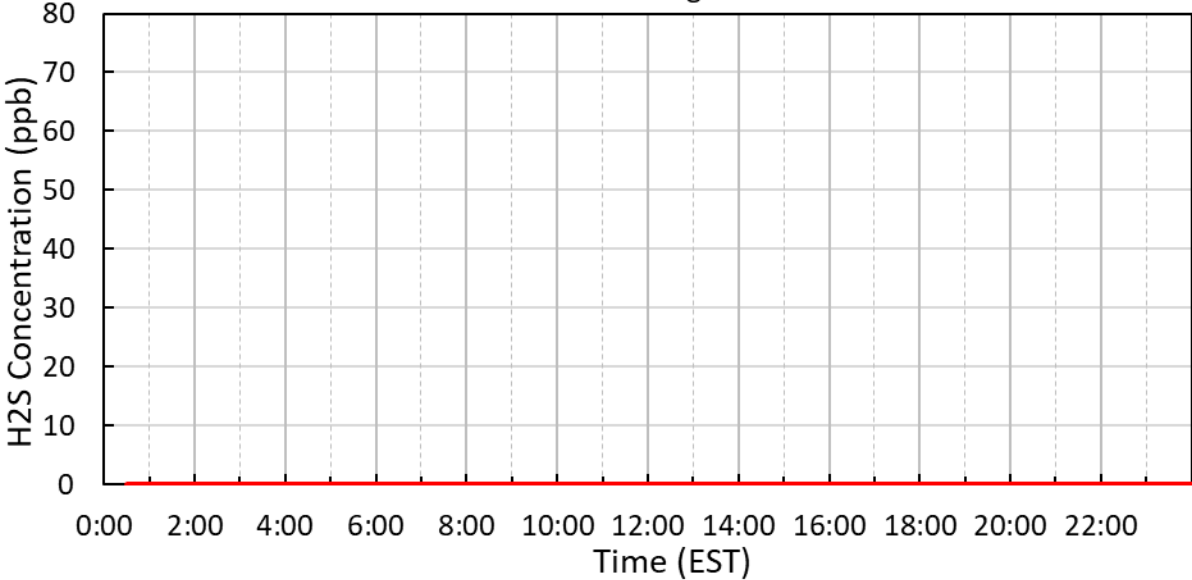


Liberty Hill - 1/11/2024



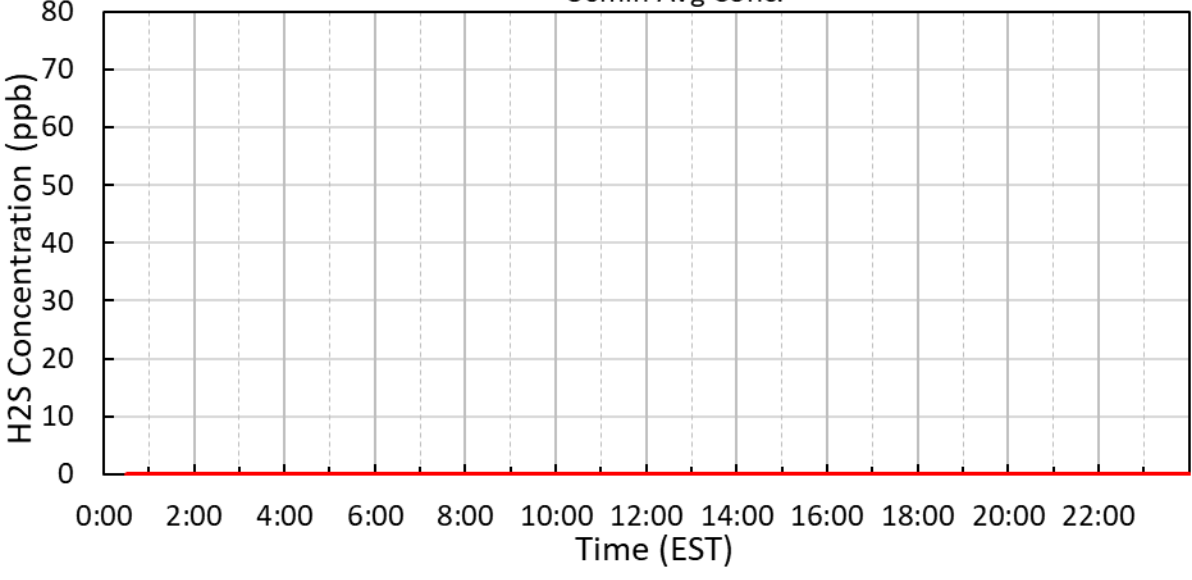
Riverchase - 1/11/2024

— 30min Avg Conc.



Millstone Creek - 1/11/2024

— 30min Avg Conc.



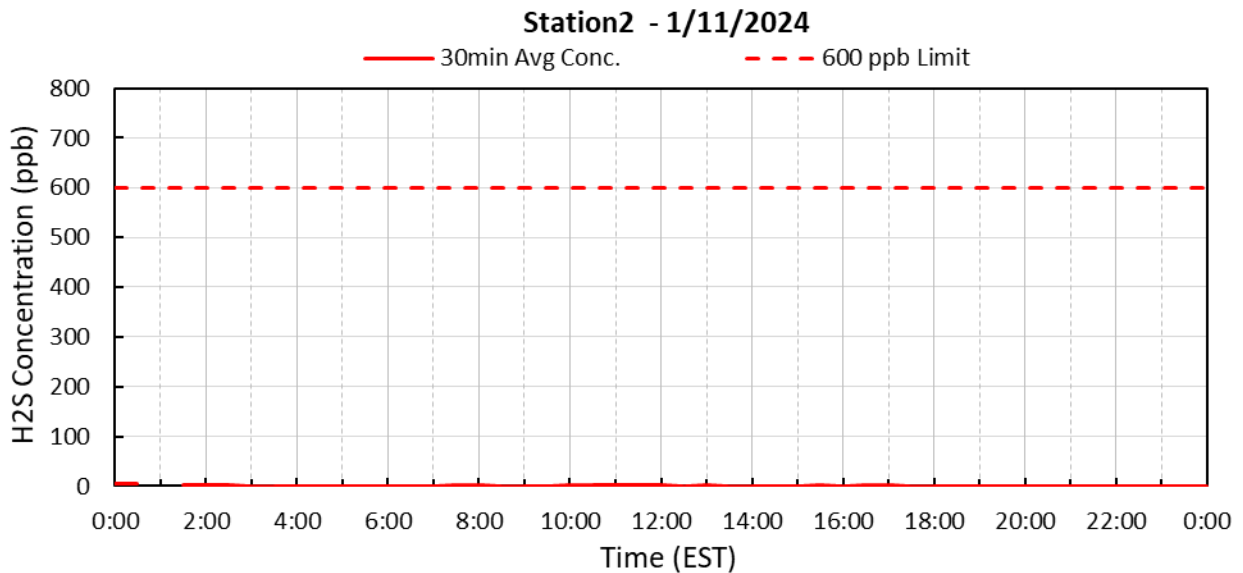
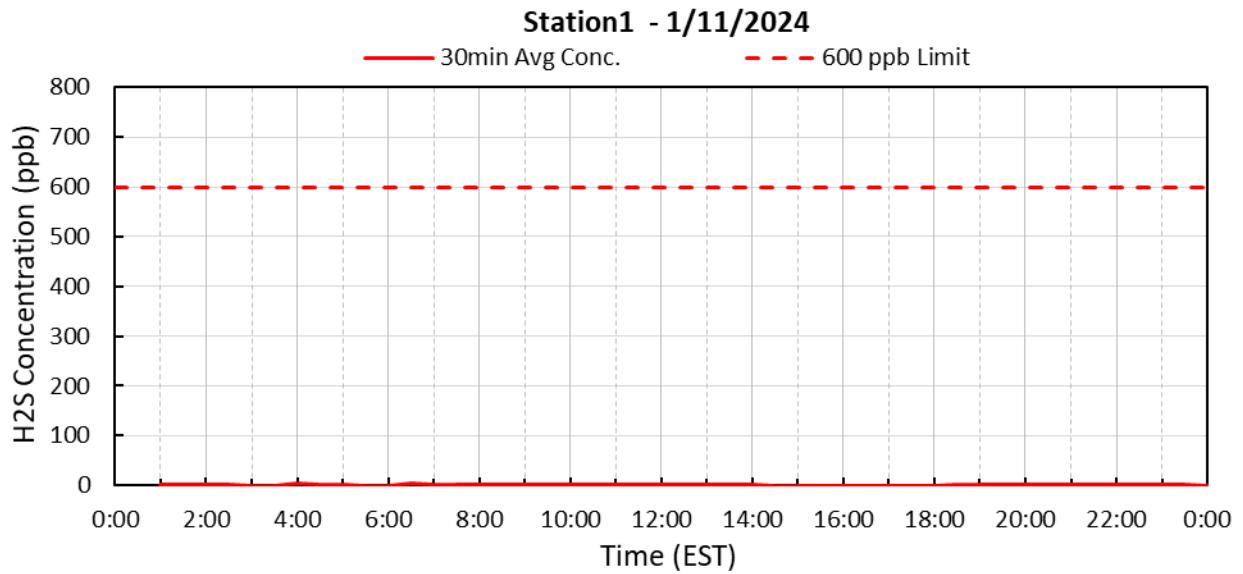
Period H₂S Monitoring Hydrogen Sulfide Onsite Monitors

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

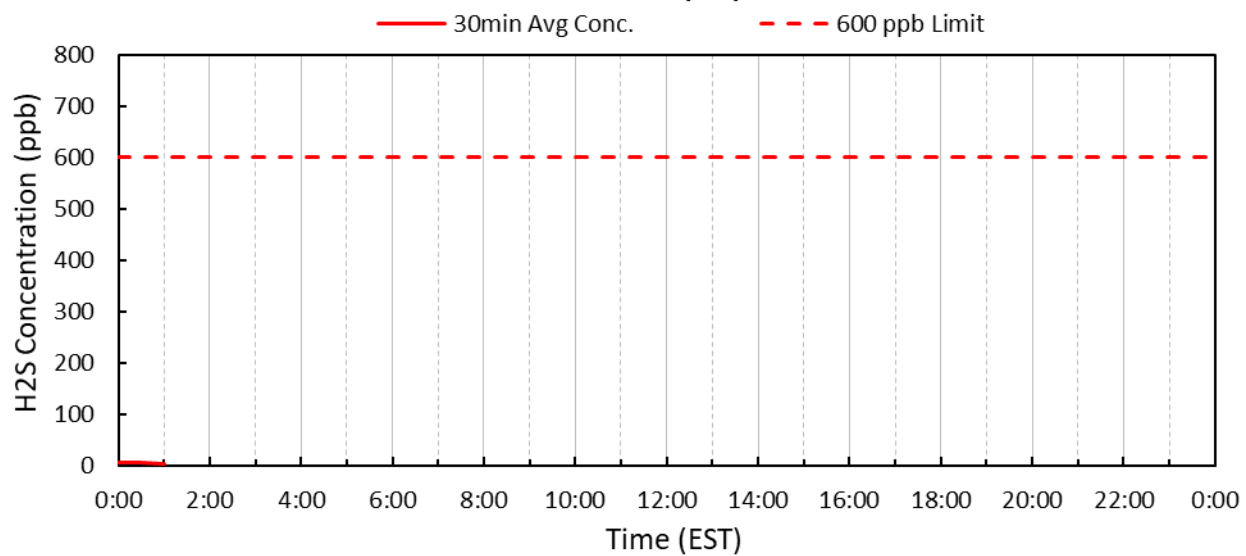
Depending on wind direction, the H₂S measured at the onsite fence line locations may not exit the mill property at reported concentrations. Wind directions from offsite locations, blowing onto mill property, will disperse ambient concentrations to lower levels prior to exiting the plant site.

Winds were predominantly coming from the south, south-southwest, and southwest direction throughout the day at 0 to 6 mph.

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



Station3 - 1/11/2024



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
1/11/2024 0:30	AX	3.1	212	4.1	1.0	250	4.6	1.1	219
1/11/2024 1:00	0.6	3.5	209	AX	1.4	208	4.0	1.1	191
1/11/2024 1:30	0.7	3.2	212	1.8	1.0	236	AN	0.4	240
1/11/2024 2:00	1.2	3.5	215	3.4	0.4	222	AN	0.6	198
1/11/2024 2:30	0.4	2.6	201	1.1	0.9	183	AN	0.6	188
1/11/2024 3:00	0.2	3.1	187	0.6	1.7	186	AN	1.5	188
1/11/2024 3:30	0.2	3.0	197	0.6	0.9	197	AN	0.9	204
1/11/2024 4:00	3.4	2.2	222	0.5	0.5	273	AN	0.4	266
1/11/2024 4:30	0.9	0.9	168	0.6	0.5	169	AN	0.3	290
1/11/2024 5:00	1.8	1.1	144	0.6	0.7	320	AN	0.5	324
1/11/2024 5:30	0.2	0.9	147	0.8	0.3	338	AN	0.3	239
1/11/2024 6:00	0.2	1.5	177	0.7	0.5	241	AN	0.5	187
1/11/2024 6:30	3.6	0.6	238	0.7	0.7	245	AN	0.3	209
1/11/2024 7:00	0.4	0.8	202	0.6	0.9	241	AN	0.3	186
1/11/2024 7:30	2.0	0.7	221	1.5	0.8	288	AN	0.3	297
1/11/2024 8:00	0.4	1.1	212	1.1	0.8	50	AN	0.5	360
1/11/2024 8:30	1.5	0.3	161	0.9	0.7	42	AN	0.7	82
1/11/2024 9:00	1.4	1.2	189	0.8	1.1	222	AN	0.4	139
1/11/2024 9:30	0.4	2.4	204	0.9	2.2	216	AN	1.6	181
1/11/2024 10:00	0.4	3.6	205	1.1	3.2	211	AN	1.9	183
1/11/2024 10:30	0.5	3.5	204	1.6	2.7	208	AN	2.2	217
1/11/2024 11:00	0.5	2.6	197	2.5	3.8	231	AN	2.9	232
1/11/2024 11:30	0.5	3.9	197	1.6	3.5	231	AN	3.0	236
1/11/2024 12:00	0.6	4.1	211	1.1	3.7	222	AN	2.0	206
1/11/2024 12:30	0.7	3.2	227	0.9	3.8	221	AN	1.9	158
1/11/2024 13:00	0.8	3.5	240	1.6	3.6	254	AN	2.5	227
1/11/2024 13:30	0.8	5.4	264	1.0	5.2	230	AN	2.5	262
1/11/2024 14:00	0.6	5.9	266	0.9	5.2	237	AN	2.1	253
1/11/2024 14:30	0.2	6.0	206	0.6	4.8	218	AN	2.1	224
1/11/2024 15:00	0.2	5.5	238	0.7	5.1	235	AN	3.0	202
1/11/2024 15:30	0.2	4.7	218	1.3	5.5	242	AN	2.4	235
1/11/2024 16:00	0.2	4.7	218	1.0	3.7	242	AN	1.3	252
1/11/2024 16:30	0.2	3.0	222	2.0	3.2	251	AN	0.7	307
1/11/2024 17:00	0.2	2.3	249	1.1	1.5	320	AN	0.5	251
1/11/2024 17:30	0.2	1.3	202	0.7	0.5	271	AN	0.5	229
1/11/2024 18:00	0.2	2.4	190	0.9	0.3	21	AN	0.6	310
1/11/2024 18:30	2.2	2.2	182	0.9	0.6	45	AN	0.4	311
1/11/2024 19:00	1.3	2.6	193	0.9	0.5	288	AN	0.5	35
1/11/2024 19:30	0.4	1.7	195	0.8	0.6	215	AN	0.3	31
1/11/2024 20:00	0.7	1.9	198	0.8	0.5	239	AN	0.6	53
1/11/2024 20:30	0.5	1.4	182	0.9	0.4	317	AN	0.3	211
1/11/2024 21:00	0.5	1.7	192	0.9	0.5	183	AN	0.2	328
1/11/2024 21:30	0.5	1.1	209	0.9	0.5	333	AN	0.5	323
1/11/2024 22:00	0.5	1.2	152	0.9	0.7	39	AN	0.6	26
1/11/2024 22:30	0.6	1.4	154	0.9	0.4	27	AN	0.2	353
1/11/2024 23:00	2.3	1.2	224	0.8	0.9	300	AN	0.8	305
1/11/2024 23:30	0.5	1.7	185	0.9	0.2	292	AN	0.2	315
1/12/2024 0:00	0.2	0.9	157	0.8	0.3	27	AN	0.2	11

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