



New-Indy Catawba LLC
 P.O. Box 7
 5300 Cureton Ferry Road
 Catawba, SC 29704

Kevin Taylor
 Environmental Engineer
 Air Enforcement Branch
 Enforcement and Compliance Assurance Division
 US Environmental Protection Agency, Region 4
 61 Forsythe Street, SW
 Atlanta, GA 30303

December 22, 2023

Mr. Taylor:

I am submitting this report pursuant to Paragraph 2(b) of EPA's November 16, 2022, Consent Decree. Attached is a map indicating the locations of the three on-site monitors and a summary table of recent 7-day rolling average values. Also attached are the compiled 30-minute average values for both H₂S readings and meteorological data for each onsite monitoring station.

Paragraph 2(b)

The rolling 7-day averages for H₂S readings for this period are summarized as follows:

7-day Period		Onsite 7-day Avgs, ppb H ₂ S		
Period Start (EST)	Period End (EST)	Station 1	Station 2	Station 3
12/15/2023 00:00	12/21/2023 23:59	2.3	0.8	0.8

As required by the Order, New-Indy is continually evaluating its ongoing operations and shall continue developing response actions which include the following, among others:

1. New-Indy's environmental consultant continues to remotely monitor and evaluates each monitoring station's performance on a regular basis, daily checking and validating the precision checks for each station.
2. The mill continues to supplement the WWTP with peroxide and ferric chloride as discussed in previous reports.
3. New-Indy continues monitoring and optimizing mill processes to minimize organic and chemical losses to the sewer. The sustained reduction in daily H₂S levels and rolling averages continues to demonstrate New Indy's successful implementation of corrective actions.
4. The permanent activated carbon filtration unit continues to operate at the outfall structure (PAB, Post Aeration Basin) to potentially reduce variable ambient H₂S and VOC emissions.
5. SCDHEC has approved Trial requests from New Indy Catawba for the use of an industrial odor-reducing aerosol spray (not a masking agent, but an odor reducing agent) and oxygen injection into the primary clarifier influent.

Please let me know if you have questions.

Thank you.

Bob Tourville
 Process Engineering Manager

cc: Marirose J. Pratt
 Associate Regional Counsel
 Air & EPCRA Law Office
 US Environmental Protection Agency, Region 4
 Sam Nunn Atlanta Federal Center
 61 Forsythe Street, SW
 Atlanta, GA 30303

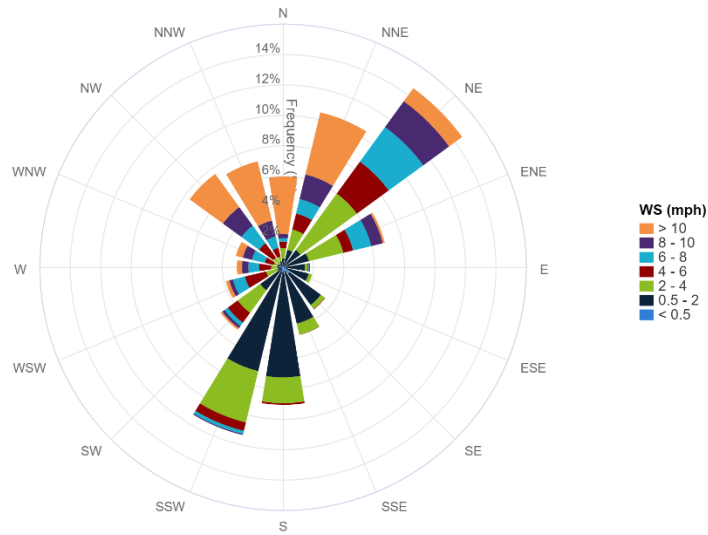
Attachments:

Monitor Location Map

7-day History (includes 24-hr daily averages, Wind Distribution data, 30-minute averages, and AQS Null Data codes)



7-Day Wind Rose Plot
 [From 12/15/2023 00:00 to 12/21/2023 23:59]



7-Day Period		Onsite 7-day Avgs, ppb H ₂ S			24hr Period	Onsite 24hr Avgs, ppb H ₂ S		
Period Start (EST)	Period End (EST)	Station 1	Station 2	Station 3	Calendar Day 00:00 – 24:00	Station 1	Station 2	Station 3
12/09/2023 00:00	12/15/2023 23:59	2.3	0.7	0.8	12/15/2023	4.2	0.6	0.5
12/10/2023 00:00	12/16/2023 23:59	2.5	0.7	0.7	12/16/2023	2.3	0.6	0.4
12/11/2023 00:00	12/17/2023 23:59	3.0	0.6	0.5	12/17/2023	4.6	0.7	0.6
12/12/2023 00:00	12/18/2023 23:59	2.9	0.7	0.6	12/18/2023	0.3	1.2	1.2
12/13/2023 00:00	12/19/2023 23:59	2.5	0.7	0.6	12/19/2023	0.5	0.6	0.7
12/14/2023 00:00	12/20/2023 23:59	2.3	0.7	0.6	12/20/2023	2.4	0.7	0.7
12/15/2023 00:00	12/21/2023 23:59	2.3	0.8	0.8	12/21/2023	1.6	0.9	1.9

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/22/2023 0:00	0.2	1.3	189	1.1	0.6	29	2.0	0.3	351
12/21/2023 23:30	0.2	1.6	191	0.9	0.6	25	2.0	0.2	328
12/21/2023 23:00	0.2	1.9	195	0.8	0.2	19	2.6	0.2	317
12/21/2023 22:30	0.2	1.0	207	1.0	0.5	32	2.9	0.4	358
12/21/2023 22:00	0.2	1.9	199	1.0	0.4	6	2.5	0.4	73
12/21/2023 21:30	0.2	1.2	196	0.9	0.3	35	5.0	0.3	289
12/21/2023 21:00	0.2	1.6	199	0.9	0.3	223	5.5	0.3	245
12/21/2023 20:30	0.4	1.7	196	0.8	0.3	52	3.3	0.2	78
12/21/2023 20:00	0.2	1.9	213	0.6	0.2	83	4.5	0.2	107
12/21/2023 19:30	0.2	2.3	210	0.6	0.3	81	3.5	0.2	188
12/21/2023 19:00	0.2	2.5	211	0.6	0.2	82	3.5	0.3	259
12/21/2023 18:30	0.2	2.3	215	0.7	0.3	72	3.4	0.2	333
12/21/2023 18:00	0.2	2.4	205	0.7	0.2	42	2.8	0.2	80
12/21/2023 17:30	0.2	2.6	198	0.6	0.4	66	3.4	0.3	278
12/21/2023 17:00	0.2	3.0	172	0.6	1.2	180	2.1	0.9	203
12/21/2023 16:30	0.2	2.8	170	0.6	1.1	193	2.2	1.0	198
12/21/2023 16:00	0.2	3.2	177	0.5	1.4	205	AZ	1.8	197
12/21/2023 15:30	0.2	2.2	179	0.6	1.9	166	AZ	1.6	185
12/21/2023 15:00	0.2	1.5	216	0.8	2.1	199	AZ	1.5	49
12/21/2023 14:30	0.2	1.8	178	0.8	1.8	247	AZ	1.4	160
12/21/2023 14:00	0.2	2.1	150	1.0	1.7	243	AZ	1.4	127
12/21/2023 13:30	0.2	1.9	219	1.3	1.8	169	AZ	1.7	137
12/21/2023 13:00	0.4	1.2	185	AX	1.7	209	AZ	1.1	102
12/21/2023 12:30	0.7	1.5	169	AX	1.6	196	AZ	1.5	77
12/21/2023 12:00	1.2	2.2	162	AX	1.4	202	AZ	1.4	168
12/21/2023 11:30	1.4	1.4	178	AX	0.9	119	AZ	1.3	93
12/21/2023 11:00	2.2	0.9	231	2.9	1.4	211	AZ	0.6	54
12/21/2023 10:30	AX	0.8	352	1.8	0.6	323	AZ	AZ	AZ
12/21/2023 10:00	AX	0.9	79	1.7	0.4	335	2.1	AZ	AZ
12/21/2023 9:30	AX	0.6	239	1.4	0.5	310	1.9	AZ	AZ
12/21/2023 9:00	6.2	1.6	192	0.9	0.3	359	0.6	0.4	65
12/21/2023 8:30	5.5	0.7	178	0.8	0.5	352	0.6	0.4	28
12/21/2023 8:00	4.4	1.6	197	0.8	0.4	5	0.5	0.2	1
12/21/2023 7:30	3.9	1.2	189	0.8	0.4	28	0.4	0.3	2
12/21/2023 7:00	3.7	1.2	213	0.7	0.8	11	0.2	0.3	347
12/21/2023 6:30	6.0	1.0	184	0.6	0.4	33	0.5	0.2	358
12/21/2023 6:00	4.7	0.7	200	0.7	0.9	17	0.6	0.5	12
12/21/2023 5:30	2.5	0.8	190	0.7	0.8	16	0.5	0.3	353
12/21/2023 5:00	2.6	1.0	168	0.7	0.7	18	0.4	0.2	11
12/21/2023 4:30	2.8	1.1	174	0.6	0.8	27	0.6	0.6	36
12/21/2023 4:00	2.8	0.9	166	0.6	0.8	33	0.6	0.7	3
12/21/2023 3:30	2.3	1.8	196	0.6	0.4	10	0.5	0.3	349
12/21/2023 3:00	2.1	1.4	199	0.6	0.7	352	0.6	0.2	329
12/21/2023 2:30	2.2	1.2	185	0.8	0.9	7	0.8	0.2	340
12/21/2023 2:00	2.1	0.9	169	0.7	1.0	17	0.9	0.4	6
12/21/2023 1:30	2.1	0.7	168	0.7	0.9	30	AX	0.4	20
12/21/2023 1:00	2.0	1.2	183	AX	0.5	12	0.6	0.3	347
12/21/2023 0:30	AX	1.7	197	0.7	0.8	360	0.7	0.3	354

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/21/2023 0:00	2.0	0.9	181	0.7	0.8	19	0.7	0.6	5
12/20/2023 23:30	1.5	1.0	192	0.7	0.9	6	0.7	0.3	317
12/20/2023 23:00	1.8	1.3	183	0.8	0.5	25	0.8	0.2	256
12/20/2023 22:30	1.0	1.3	191	0.7	0.7	355	0.8	0.7	317
12/20/2023 22:00	1.0	1.2	175	0.7	0.6	12	0.9	0.3	334
12/20/2023 21:30	0.4	1.2	171	0.8	0.6	11	0.8	0.3	30
12/20/2023 21:00	0.2	1.2	173	0.8	0.8	21	0.9	0.3	10
12/20/2023 20:30	0.2	1.4	190	0.7	0.6	22	1.3	0.3	319
12/20/2023 20:00	0.2	1.8	190	0.8	0.6	35	1.0	0.2	6
12/20/2023 19:30	0.2	1.6	198	0.7	0.8	35	1.0	0.4	22
12/20/2023 19:00	0.5	1.6	204	0.4	0.4	11	1.1	0.4	343
12/20/2023 18:30	0.6	2.3	210	0.2	0.4	115	1.1	0.3	290
12/20/2023 18:00	0.5	2.5	207	0.5	0.7	308	1.0	0.3	279
12/20/2023 17:30	0.4	2.0	192	0.6	0.4	60	1.3	0.4	292
12/20/2023 17:00	1.0	2.8	21	0.6	0.9	35	0.8	0.5	220
12/20/2023 16:30	1.1	5.1	15	0.6	1.4	350	0.2	0.5	327
12/20/2023 16:00	0.5	4.4	357	0.5	2.8	336	0.2	1.5	355
12/20/2023 15:30	0.6	3.6	32	0.5	2.0	343	0.2	2.2	16
12/20/2023 15:00	0.6	3.3	317	0.6	3.0	352	0.5	2.0	334
12/20/2023 14:30	0.6	1.8	357	0.6	2.9	252	0.2	1.6	358
12/20/2023 14:00	0.6	1.9	36	0.5	2.4	44	0.2	1.8	360
12/20/2023 13:30	0.8	3.4	11	0.7	2.9	55	0.2	1.5	43
12/20/2023 13:00	0.2	3.6	340	0.7	3.0	12	0.2	1.9	38
12/20/2023 12:30	0.6	3.7	322	0.8	4.0	315	0.2	2.0	6
12/20/2023 12:00	0.4	1.7	223	1.0	2.5	305	0.2	2.0	10
12/20/2023 11:30	0.2	3.5	22	1.1	1.9	59	0.4	1.6	82
12/20/2023 11:00	0.7	2.2	352	1.4	2.0	27	0.7	1.6	30
12/20/2023 10:30	0.9	2.2	5	AX	1.4	15	0.7	1.2	63
12/20/2023 10:00	1.1	2.7	28	AX	AZ	AZ	0.9	0.8	18
12/20/2023 9:30	6.3	1.9	65	AX	AZ	AZ	1.0	0.7	194
12/20/2023 9:00	6.5	2.4	52	0.7	0.5	45	0.7	0.5	55
12/20/2023 8:30	9.5	2.8	51	0.8	1.0	52	0.6	1.2	10
12/20/2023 8:00	8.4	1.7	47	0.7	0.6	2	0.5	0.5	323
12/20/2023 7:30	4.0	3.0	52	0.7	1.3	40	0.2	0.4	345
12/20/2023 7:00	8.5	2.6	41	0.7	0.7	29	0.2	0.5	350
12/20/2023 6:30	6.0	1.5	81	0.7	0.8	34	0.2	0.7	6
12/20/2023 6:00	4.6	1.2	103	0.6	0.6	45	0.2	0.5	11
12/20/2023 5:30	3.2	1.1	120	0.6	0.7	31	0.4	0.6	349
12/20/2023 5:00	1.7	1.3	96	0.7	1.2	19	0.5	0.5	341
12/20/2023 4:30	3.4	1.7	95	0.7	1.2	36	0.7	0.5	39
12/20/2023 4:00	3.7	1.2	191	0.6	0.9	7	0.8	0.3	335
12/20/2023 3:30	4.7	1.5	156	0.7	0.7	6	0.9	0.3	343
12/20/2023 3:00	4.8	2.2	63	0.8	0.9	38	0.8	0.7	27
12/20/2023 2:30	4.0	1.3	157	0.8	0.9	56	0.7	0.8	16
12/20/2023 2:00	3.8	1.1	164	0.9	0.5	19	1.0	0.3	347
12/20/2023 1:30	4.1	1.4	99	0.9	0.8	42	AX	0.7	353
12/20/2023 1:00	3.0	1.0	158	AX	0.6	48	0.9	0.5	353
12/20/2023 0:30	AX	1.1	175	1.2	0.7	4	1.2	0.5	343

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/20/2023 0:00	3.8	1.0	174	1.5	0.2	11	1.7	0.2	271
12/19/2023 23:30	3.2	2.4	31	1.2	0.7	348	2.8	0.5	318
12/19/2023 23:00	2.1	2.4	231	0.9	1.4	26	2.0	1.0	348
12/19/2023 22:30	0.2	1.4	138	0.6	0.7	36	1.6	0.5	63
12/19/2023 22:00	0.2	1.1	173	0.7	1.2	27	1.2	0.5	6
12/19/2023 21:30	0.2	1.2	208	0.8	0.7	33	0.9	0.4	16
12/19/2023 21:00	0.2	1.3	194	0.8	0.7	350	1.0	0.4	283
12/19/2023 20:30	0.2	1.4	194	0.8	0.3	8	0.9	0.3	256
12/19/2023 20:00	0.2	1.3	201	0.7	0.9	10	1.2	0.5	81
12/19/2023 19:30	0.5	1.8	188	0.6	0.3	11	1.5	0.2	329
12/19/2023 19:00	0.5	1.7	207	0.6	0.2	296	1.2	0.4	273
12/19/2023 18:30	0.5	1.9	187	0.2	0.3	358	0.6	0.5	214
12/19/2023 18:00	0.2	2.3	195	AZ	0.4	28	0.6	0.4	345
12/19/2023 17:30	0.2	1.8	249	AZ	1.1	349	0.2	0.6	251
12/19/2023 17:00	0.2	4.6	323	AZ	3.0	344	0.4	0.7	292
12/19/2023 16:30	0.2	5.1	311	AZ	3.8	341	0.2	1.5	343
12/19/2023 16:00	0.2	5.5	320	AZ	4.3	301	0.2	1.8	327
12/19/2023 15:30	0.2	6.4	334	AZ	4.1	332	0.2	2.8	360
12/19/2023 15:00	0.2	7.9	333	AZ	4.9	346	0.2	3.5	357
12/19/2023 14:30	0.2	8.0	328	AZ	4.9	297	0.2	2.4	340
12/19/2023 14:00	0.2	6.4	300	AZ	4.9	314	0.2	2.7	357
12/19/2023 13:30	0.2	8.7	335	AZ	4.1	339	0.2	3.3	4
12/19/2023 13:00	AZ	8.5	317	0.6	5.5	304	0.2	3.2	338
12/19/2023 12:30	AZ	7.6	311	0.7	5.0	335	0.2	2.4	350
12/19/2023 12:00	AZ	8.4	328	0.6	4.9	343	0.2	4.2	5
12/19/2023 11:30	AZ	8.3	343	0.6	5.3	348	0.4	4.3	2
12/19/2023 11:00	AZ	10.6	344	0.7	5.5	336	0.6	4.1	3
12/19/2023 10:30	AZ	11.0	339	0.7	5.8	319	0.5	4.0	357
12/19/2023 10:00	AZ	14.2	332	0.7	6.3	325	0.4	4.4	346
12/19/2023 9:30	AZ	13.1	335	0.6	5.7	329	0.2	3.7	355
12/19/2023 9:00	0.2	6.7	326	0.2	4.7	335	0.4	3.3	350
12/19/2023 8:30	0.2	6.1	320	0.2	2.5	314	0.4	2.4	337
12/19/2023 8:00	0.2	5.9	317	0.5	1.7	322	0.6	0.8	247
12/19/2023 7:30	0.2	5.6	311	0.5	2.0	294	0.7	1.0	231
12/19/2023 7:00	0.2	7.3	307	0.5	2.3	276	0.6	1.1	241
12/19/2023 6:30	0.2	1.1	123	0.5	2.8	300	0.4	0.7	250
12/19/2023 6:00	0.2	10.6	324	0.5	4.5	311	0.2	1.1	297
12/19/2023 5:30	0.2	10.6	329	0.5	4.0	318	0.4	2.0	335
12/19/2023 5:00	0.2	7.9	321	0.5	2.9	305	0.5	0.8	193
12/19/2023 4:30	0.2	7.6	326	0.5	3.8	326	0.4	1.4	328
12/19/2023 4:00	0.2	8.3	328	0.5	2.3	314	0.4	1.0	253
12/19/2023 3:30	0.5	11.2	338	0.4	4.2	334	0.4	3.7	353
12/19/2023 3:00	0.2	11.3	336	0.4	4.3	338	0.7	4.1	355
12/19/2023 2:30	0.2	9.9	330	0.5	5.1	332	0.7	3.2	344
12/19/2023 2:00	0.2	10.5	331	0.6	4.6	325	0.9	3.0	343
12/19/2023 1:30	0.2	12.9	330	0.9	4.6	325	AX	3.5	349
12/19/2023 1:00	0.6	8.4	329	AX	4.9	323	0.7	3.2	344
12/19/2023 0:30	AX	10.9	328	0.4	4.7	330	1.1	3.2	340

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/19/2023 0:00	0.2	11.9	332	0.4	5.8	333	0.9	4.2	349
12/18/2023 23:30	0.2	10.4	317	0.4	5.6	310	0.9	1.5	316
12/18/2023 23:00	0.2	13.4	337	0.2	6.0	320	0.8	2.6	331
12/18/2023 22:30	0.2	15.7	332	0.2	7.6	327	0.6	5.2	352
12/18/2023 22:00	0.2	17.9	331	0.2	7.0	319	0.5	5.1	346
12/18/2023 21:30	0.4	17.9	338	0.4	8.6	325	0.2	4.7	346
12/18/2023 21:00	0.5	17.6	339	0.7	7.8	335	0.2	6.9	355
12/18/2023 20:30	0.4	16.5	317	0.6	9.3	315	0.2	4.4	335
12/18/2023 20:00	0.5	15.3	315	0.5	9.9	298	0.8	2.1	300
12/18/2023 19:30	0.4	14.7	309	1.3	8.8	309	1.0	4.4	324
12/18/2023 19:00	0.2	7.2	223	1.1	5.5	226	6.7	3.8	240
12/18/2023 18:30	0.2	4.6	203	0.5	3.1	212	7.4	1.2	233
12/18/2023 18:00	0.2	5.2	199	0.6	3.6	211	6.8	2.7	228
12/18/2023 17:30	0.2	5.6	212	0.8	3.7	224	4.1	2.3	245
12/18/2023 17:00	0.2	5.6	210	1.5	5.6	232	1.9	2.7	251
12/18/2023 16:30	0.2	6.6	224	1.5	8.4	239	2.0	3.6	248
12/18/2023 16:00	0.2	8.6	228	2.0	8.2	235	1.4	4.3	240
12/18/2023 15:30	0.2	7.2	262	2.1	7.9	250	0.5	2.7	263
12/18/2023 15:00	0.2	8.1	264	1.1	8.5	271	0.6	2.7	276
12/18/2023 14:30	0.5	9.9	289	0.7	9.1	274	0.6	2.5	294
12/18/2023 14:00	0.2	9.3	287	0.8	7.6	271	0.6	1.9	305
12/18/2023 13:30	0.2	9.8	289	0.8	8.5	276	0.6	2.4	292
12/18/2023 13:00	0.2	11.6	281	0.9	8.3	274	0.6	3.1	271
12/18/2023 12:30	0.2	9.2	270	1.1	9.2	262	0.6	3.4	264
12/18/2023 12:00	0.5	8.5	285	1.0	7.5	265	0.7	2.4	264
12/18/2023 11:30	0.4	7.5	270	1.0	7.8	262	0.6	2.9	257
12/18/2023 11:00	0.5	7.5	277	1.1	7.8	266	0.7	1.9	297
12/18/2023 10:30	0.6	7.5	281	1.3	7.7	258	0.6	2.1	282
12/18/2023 10:00	0.5	6.3	259	1.4	7.1	254	0.7	2.3	268
12/18/2023 9:30	0.2	6.2	258	1.4	5.5	254	0.6	1.3	279
12/18/2023 9:00	0.4	4.9	251	1.4	5.6	260	0.8	1.4	274
12/18/2023 8:30	0.4	4.2	231	1.8	5.4	265	0.8	1.0	296
12/18/2023 8:00	0.2	4.0	230	2.3	4.2	266	0.7	0.5	284
12/18/2023 7:30	0.2	4.1	234	1.2	4.7	264	0.7	0.8	279
12/18/2023 7:00	0.2	4.9	263	0.8	4.2	270	0.7	0.8	256
12/18/2023 6:30	0.4	4.4	258	0.7	3.8	275	0.7	0.7	244
12/18/2023 6:00	0.4	4.6	265	1.1	3.9	282	0.6	0.7	285
12/18/2023 5:30	0.4	5.5	255	2.7	6.0	264	0.4	1.6	261
12/18/2023 5:00	0.4	6.1	255	2.8	6.6	264	0.6	2.1	269
12/18/2023 4:30	0.4	6.0	247	3.7	5.6	259	0.7	1.9	264
12/18/2023 4:00	0.4	4.8	243	2.5	3.5	269	0.7	0.7	261
12/18/2023 3:30	0.2	4.4	243	1.3	3.3	275	0.7	0.6	243
12/18/2023 3:00	0.4	4.4	246	2.5	3.7	271	0.8	0.6	254
12/18/2023 2:30	0.5	4.0	241	2.1	2.9	269	0.7	0.6	236
12/18/2023 2:00	0.5	3.6	260	1.8	4.1	264	1.0	1.1	239
12/18/2023 1:30	0.5	6.3	283	1.0	3.9	277	AX	0.7	233
12/18/2023 1:00	0.6	6.5	295	AX	3.9	275	0.6	0.6	250
12/18/2023 0:30	AX	6.5	298	0.7	3.7	289	0.5	0.6	239

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/18/2023 0:00	0.4	9.2	308	0.7	4.2	309	0.4	0.8	324
12/17/2023 23:30	0.4	11.4	320	0.7	5.0	323	0.4	1.7	347
12/17/2023 23:00	0.5	10.4	326	0.7	5.1	328	0.5	2.8	348
12/17/2023 22:30	0.5	11.5	327	0.7	5.5	327	0.6	4.2	347
12/17/2023 22:00	1.2	12.5	333	0.7	5.0	334	0.6	4.7	349
12/17/2023 21:30	2.6	15.2	3	0.6	6.3	353	0.6	6.5	4
12/17/2023 21:00	5.6	16.5	2	0.6	7.2	351	0.7	7.2	2
12/17/2023 20:30	7.6	14.2	353	0.7	7.2	353	0.8	7.1	359
12/17/2023 20:00	40.5	14.8	359	0.7	6.8	358	0.8	7.7	4
12/17/2023 19:30	15.6	14.9	354	0.7	7.2	355	0.4	7.3	1
12/17/2023 19:00	2.3	14.1	354	0.7	7.2	352	0.6	7.0	358
12/17/2023 18:30	2.7	15.2	7	0.7	6.2	356	0.5	7.2	0
12/17/2023 18:00	3.0	16.6	9	0.8	6.7	359	0.6	6.8	5
12/17/2023 17:30	3.8	14.6	7	0.7	6.4	357	0.6	6.2	4
12/17/2023 17:00	2.6	14.6	4	0.7	6.2	358	0.6	6.3	2
12/17/2023 16:30	2.0	13.3	5	0.8	6.3	358	0.6	6.7	360
12/17/2023 16:00	1.6	12.7	359	0.8	5.2	348	0.6	5.2	356
12/17/2023 15:30	1.9	14.9	360	0.8	6.1	353	0.7	6.2	359
12/17/2023 15:00	4.1	13.9	12	0.7	4.3	7	0.7	4.4	2
12/17/2023 14:30	4.2	20.0	15	0.7	5.9	18	0.6	6.6	10
12/17/2023 14:00	5.9	16.4	14	0.8	5.9	15	0.7	7.2	7
12/17/2023 13:30	5.8	17.2	18	0.7	5.4	27	0.7	6.5	15
12/17/2023 13:00	8.8	14.5	15	0.7	4.6	20	0.6	5.8	8
12/17/2023 12:30	8.8	14.0	15	0.6	4.4	30	0.6	5.1	14
12/17/2023 12:00	6.7	13.8	17	0.6	4.0	33	0.6	4.9	17
12/17/2023 11:30	6.1	13.7	21	0.6	4.6	37	0.4	4.1	23
12/17/2023 11:00	7.6	10.3	18	0.6	3.4	31	0.5	4.3	15
12/17/2023 10:30	5.3	11.1	17	0.5	3.7	28	0.5	4.2	16
12/17/2023 10:00	4.3	12.1	24	0.5	3.6	36	0.6	3.9	25
12/17/2023 9:30	3.6	13.5	24	0.5	3.7	35	0.5	4.2	24
12/17/2023 9:00	5.2	10.4	25	0.6	3.1	40	0.5	4.5	26
12/17/2023 8:30	5.6	10.0	21	0.6	3.1	35	0.6	3.3	25
12/17/2023 8:00	6.0	9.4	20	0.6	2.9	27	0.5	3.5	20
12/17/2023 7:30	3.2	9.4	31	0.7	2.2	46	0.4	3.5	23
12/17/2023 7:00	7.6	10.3	19	0.7	3.3	20	0.6	3.7	13
12/17/2023 6:30	8.0	8.7	22	0.7	2.0	38	0.4	2.9	13
12/17/2023 6:00	3.2	8.3	28	0.6	1.4	36	0.6	2.7	16
12/17/2023 5:30	1.9	7.7	30	0.6	1.4	37	0.6	2.2	25
12/17/2023 5:00	1.9	8.4	32	0.7	1.9	42	0.6	2.3	26
12/17/2023 4:30	0.7	9.3	38	0.7	2.5	38	0.6	3.3	39
12/17/2023 4:00	0.4	7.9	46	0.6	2.3	56	0.6	3.7	49
12/17/2023 3:30	0.7	7.7	41	0.7	2.1	57	0.7	3.0	43
12/17/2023 3:00	0.6	7.9	43	0.8	2.1	46	0.6	3.2	47
12/17/2023 2:30	0.5	7.8	53	1.0	2.7	59	1.1	3.3	49
12/17/2023 2:00	0.2	8.1	47	1.9	2.3	53	BF	3.9	48
12/17/2023 1:30	0.7	7.2	49	BF	2.1	58	BF	3.3	48
12/17/2023 1:00	BF	7.3	41	BF	1.8	50	0.4	2.6	42
12/17/2023 0:30	BF	7.2	36	0.5	1.6	45	0.5	2.1	33

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/17/2023 0:00	0.8	6.7	38	0.5	1.6	37	0.4	2.1	37
12/16/2023 23:30	0.2	5.5	54	0.6	1.6	54	0.4	2.5	45
12/16/2023 23:00	0.2	6.7	52	0.6	1.5	54	0.5	2.5	42
12/16/2023 22:30	0.2	6.9	47	0.6	1.6	52	0.5	2.7	45
12/16/2023 22:00	0.2	8.2	51	0.6	1.8	56	0.5	3.0	49
12/16/2023 21:30	0.2	7.0	58	0.6	2.2	63	0.4	3.4	56
12/16/2023 21:00	0.2	7.9	57	0.5	2.5	61	0.4	3.9	56
12/16/2023 20:30	0.2	7.7	54	0.2	2.5	63	0.2	3.8	59
12/16/2023 20:00	0.2	7.4	59	0.4	2.2	68	0.2	3.5	61
12/16/2023 19:30	0.2	7.0	58	0.4	1.9	61	0.2	3.0	57
12/16/2023 19:00	0.2	5.5	48	0.5	1.1	55	0.2	2.6	47
12/16/2023 18:30	0.2	5.3	48	0.5	0.9	51	0.2	1.9	41
12/16/2023 18:00	0.2	4.2	46	0.4	0.4	48	0.4	1.3	36
12/16/2023 17:30	0.2	5.3	55	0.5	0.4	52	0.2	1.3	42
12/16/2023 17:00	0.2	7.4	55	0.5	1.5	65	0.2	2.2	50
12/16/2023 16:30	0.2	6.5	61	0.5	1.5	75	0.2	3.5	61
12/16/2023 16:00	0.2	9.4	48	0.5	3.0	63	0.2	4.1	55
12/16/2023 15:30	0.2	8.5	56	0.5	2.3	60	0.2	4.1	50
12/16/2023 15:00	0.2	7.5	61	0.5	3.0	78	0.2	3.7	52
12/16/2023 14:30	0.2	7.2	66	0.4	3.9	59	0.2	4.8	77
12/16/2023 14:00	0.2	9.0	50	0.4	3.7	72	0.2	4.4	68
12/16/2023 13:30	0.2	8.7	62	0.4	3.3	65	0.2	4.7	52
12/16/2023 13:00	0.2	10.2	45	0.4	3.7	66	0.2	4.2	60
12/16/2023 12:30	0.2	9.7	42	0.6	3.5	61	0.2	4.2	61
12/16/2023 12:00	0.6	9.6	41	0.8	3.5	66	0.2	4.2	69
12/16/2023 11:30	0.5	9.6	52	0.8	3.2	73	0.2	4.6	62
12/16/2023 11:00	0.8	7.0	44	0.9	3.2	55	0.4	2.4	63
12/16/2023 10:30	6.2	3.6	36	1.1	1.8	6	0.9	0.9	355
12/16/2023 10:00	6.1	3.2	47	1.1	1.0	24	0.9	0.7	350
12/16/2023 9:30	8.5	2.0	48	1.0	0.5	267	0.9	0.6	292
12/16/2023 9:00	7.5	3.1	34	0.9	0.9	310	0.9	1.1	331
12/16/2023 8:30	3.5	2.3	60	0.8	0.9	337	0.7	0.9	214
12/16/2023 8:00	3.5	5.6	43	0.8	1.8	27	0.5	1.0	17
12/16/2023 7:30	4.1	3.5	50	0.7	1.1	9	0.6	0.7	52
12/16/2023 7:00	4.4	3.7	47	0.7	1.1	53	0.6	0.5	82
12/16/2023 6:30	5.6	4.6	49	0.6	1.7	46	0.5	0.7	33
12/16/2023 6:00	6.1	2.9	51	0.6	1.7	40	0.6	1.1	37
12/16/2023 5:30	5.6	1.9	93	0.6	0.5	28	0.6	0.4	327
12/16/2023 5:00	6.1	2.6	59	0.6	0.6	39	0.5	0.5	24
12/16/2023 4:30	4.8	2.4	56	0.6	0.3	41	0.4	0.5	360
12/16/2023 4:00	3.3	2.4	70	0.6	1.0	30	0.4	0.7	353
12/16/2023 3:30	4.2	1.1	137	0.6	0.8	36	0.4	0.4	314
12/16/2023 3:00	4.2	1.4	120	0.5	1.0	314	0.6	0.2	314
12/16/2023 2:30	2.9	1.5	91	0.5	0.4	40	0.7	0.4	80
12/16/2023 2:00	5.1	2.1	70	0.6	0.7	12	0.7	0.5	1
12/16/2023 1:30	8.3	1.9	73	0.7	1.1	9	AX	0.7	335
12/16/2023 1:00	1.9	4.3	49	AX	2.0	39	0.6	1.1	18
12/16/2023 0:30	AX	1.0	148	0.4	0.8	13	0.4	0.3	331

30-Minute Avgs EST Ending @ Date / Time	Station 1			Station 2			Station 3		
	H2S	MET		H2S	MET		H2S	MET	
	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg	ppb	WS - mph	WD - deg
12/16/2023 0:00	4.3	1.3	163	0.4	0.6	9	0.5	0.4	7
12/15/2023 23:30	3.3	1.2	148	0.5	0.8	27	0.6	0.5	358
12/15/2023 23:00	1.1	1.6	202	0.5	0.5	21	1.0	0.3	335
12/15/2023 22:30	1.8	1.3	189	0.4	0.6	37	0.9	0.5	342
12/15/2023 22:00	4.0	1.4	188	0.5	0.7	355	0.6	0.5	327
12/15/2023 21:30	2.9	1.5	189	0.6	0.5	37	0.7	0.3	1
12/15/2023 21:00	4.3	1.3	198	0.5	0.4	29	0.9	0.2	353
12/15/2023 20:30	2.6	2.0	192	0.4	0.2	26	0.6	0.3	299
12/15/2023 20:00	0.2	2.1	206	0.4	0.6	75	0.2	0.4	330
12/15/2023 19:30	1.6	1.6	142	0.4	0.6	16	0.2	0.5	16
12/15/2023 19:00	3.6	1.4	181	0.2	0.4	75	0.5	0.4	348
12/15/2023 18:30	2.4	2.2	206	0.2	0.2	19	0.7	0.2	15
12/15/2023 18:00	0.2	2.4	212	0.4	0.2	356	1.1	0.3	38
12/15/2023 17:30	1.0	2.5	192	0.4	0.3	138	1.1	0.3	211
12/15/2023 17:00	0.6	1.3	136	0.4	0.6	81	0.6	0.5	227
12/15/2023 16:30	0.2	1.8	73	0.2	1.1	135	0.4	0.8	189
12/15/2023 16:00	0.2	2.0	91	0.2	1.7	155	0.2	1.3	151
12/15/2023 15:30	0.2	2.2	73	0.4	1.7	83	0.2	1.8	120
12/15/2023 15:00	0.2	2.3	75	0.2	2.2	116	0.2	2.2	173
12/15/2023 14:30	0.2	2.7	358	0.4	2.1	154	0.2	2.0	83
12/15/2023 14:00	0.5	3.8	14	0.4	1.6	357	0.2	1.5	17
12/15/2023 13:30	0.2	4.3	357	0.5	2.4	31	0.2	2.0	4
12/15/2023 13:00	0.2	4.4	4	0.5	2.5	350	0.2	1.4	67
12/15/2023 12:30	0.4	3.3	23	0.7	1.7	40	0.2	1.4	77
12/15/2023 12:00	1.0	1.7	13	0.8	1.4	58	0.2	1.3	95
12/15/2023 11:30	2.8	1.0	25	1.0	1.5	76	0.2	1.1	38
12/15/2023 11:00	4.8	1.0	65	1.3	1.3	62	1.0	1.3	7
12/15/2023 10:30	7.6	1.7	52	1.3	1.1	19	1.3	1.1	44
12/15/2023 10:00	8.4	1.6	80	1.4	0.6	51	1.0	0.9	33
12/15/2023 9:30	6.6	2.8	61	1.3	1.0	25	0.8	0.6	61
12/15/2023 9:00	7.4	1.3	88	1.0	0.5	25	0.6	1.0	58
12/15/2023 8:30	7.8	1.5	97	0.9	0.5	22	0.4	0.6	13
12/15/2023 8:00	6.7	1.2	133	0.8	0.3	22	0.5	0.3	2
12/15/2023 7:30	6.7	0.9	153	0.8	0.9	14	0.5	0.4	11
12/15/2023 7:00	5.9	1.3	129	0.8	0.8	6	0.2	0.4	15
12/15/2023 6:30	6.0	1.1	115	0.7	0.6	8	0.4	0.3	23
12/15/2023 6:00	20.8	2.5	55	0.7	1.1	20	0.4	0.7	12
12/15/2023 5:30	12.1	2.3	52	0.6	0.6	36	0.4	0.6	38
12/15/2023 5:00	11.3	2.7	51	0.6	0.6	28	0.2	0.7	13
12/15/2023 4:30	7.1	1.5	95	0.5	0.5	22	0.2	0.3	1
12/15/2023 4:00	11.4	2.0	60	0.5	0.6	26	0.4	0.6	15
12/15/2023 3:30	4.3	2.5	60	0.5	1.5	1	0.4	0.5	5
12/15/2023 3:00	6.8	2.9	57	0.7	0.7	27	0.4	0.4	359
12/15/2023 2:30	6.4	1.5	95	0.6	1.2	6	0.5	0.3	23
12/15/2023 2:00	4.2	1.3	101	0.6	1.0	14	0.7	0.5	5
12/15/2023 1:30	3.3	1.0	170	0.7	0.8	32	AX	0.4	24
12/15/2023 1:00	3.0	1.5	214	AX	0.8	360	0.2	0.4	317
12/15/2023 0:30	AX	1.4	172	0.2	0.6	26	0.2	0.3	33

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