



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 29, 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 H<sub>2</sub>S readings and meteorological data for each onsite monitoring station.

Paragraph 2(b)

The rolling 7-day averages for H<sub>2</sub>S readings for this period are summarized as follows:

7-day Period		Onsite 7-day Avgs, ppb H <sub>2</sub> S		
Period Start (EST)	Period End (EST)	Station 1	Station 2	Station 3
12/22/2023 00:00	12/28/2023 23:59	1.3	0.9	1.5

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 H<sub>2</sub>S 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 H<sub>2</sub>S 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

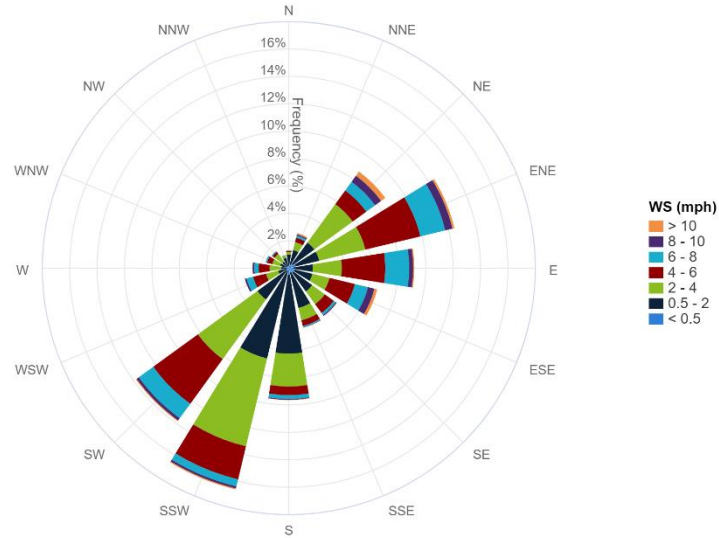
Attachments:

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 12/22/2023 00:00 to 12/28/2023 23:59]



7-Day Period				Onsite 7-day Avgs, ppb H <sub>2</sub> S			24hr Period	Onsite 24hr Avgs, ppb H <sub>2</sub> S		
Period Start (EST)		Period End (EST)		Station 1	Station 2	Station 3	Calendar Day	Station 1	Station 2	Station 3
							00:00 – 24:00			
12/16/2023	00:00	12/22/2023	23:59	1.7	0.8	1.0	12/22/2023	0.5	0.9	1.8
12/17/2023	00:00	12/23/2023	23:59	1.6	0.8	1.2	12/23/2023	1.1	0.7	1.9
12/18/2023	00:00	12/24/2023	23:59	1.2	0.8	1.5	12/24/2023	1.9	0.6	2.6
12/19/2023	00:00	12/25/2023	23:59	1.3	0.7	1.7	12/25/2023	1.1	0.6	2.2
12/20/2023	00:00	12/26/2023	23:59	1.3	0.7	1.6	12/26/2023	0.8	0.7	0.2
12/21/2023	00:00	12/27/2023	23:59	1.3	0.8	1.6	12/27/2023	2.0	1.2	0.8
12/22/2023	00:00	12/28/2023	23:59	1.3	0.9	1.5	12/28/2023	1.6	1.5	1.3

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
12/29/2023 0:00	0.4	2.5	221	2.9	1.2	222	1.4	0.2	61
12/28/2023 23:30	0.4	2.6	216	1.0	1.1	207	0.9	0.2	142
12/28/2023 23:00	0.5	2.5	212	2.0	1.4	237	2.8	0.3	146
12/28/2023 22:30	0.2	2.3	216	3.0	0.8	299	3.1	0.5	197
12/28/2023 22:00	0.5	2.5	215	4.5	0.5	354	2.8	0.7	186
12/28/2023 21:30	0.5	2.6	217	2.7	0.5	45	3.1	0.7	188
12/28/2023 21:00	0.5	2.4	216	2.6	0.5	38	3.6	1.2	178
12/28/2023 20:30	0.5	2.7	218	1.0	1.1	228	3.1	1.1	189
12/28/2023 20:00	0.6	1.9	211	1.0	0.8	194	3.7	1.3	195
12/28/2023 19:30	0.5	2.1	221	2.4	1.4	213	3.7	0.7	193
12/28/2023 19:00	0.2	2.5	214	0.6	1.5	226	2.2	0.4	203
12/28/2023 18:30	1.2	2.0	210	0.6	1.5	199	4.2	0.5	228
12/28/2023 18:00	10.2	2.5	190	0.7	1.6	176	1.9	0.3	262
12/28/2023 17:30	5.4	2.7	203	1.1	3.0	225	1.2	0.9	294
12/28/2023 17:00	1.5	5.3	208	0.7	5.3	227	1.3	2.1	255
12/28/2023 16:30	0.9	6.1	210	0.8	5.8	230	0.7	3.3	252
12/28/2023 16:00	0.5	6.4	237	2.6	7.7	244	1.1	4.3	229
12/28/2023 15:30	0.6	5.6	228	1.9	7.1	238	0.2	3.0	254
12/28/2023 15:00	0.6	6.8	232	1.5	7.5	240	0.5	4.2	244
12/28/2023 14:30	1.5	7.5	220	1.2	7.6	242	1.5	4.9	218
12/28/2023 14:00	1.9	7.8	221	0.7	7.0	230	1.2	4.7	224
12/28/2023 13:30	3.2	6.4	204	1.0	6.2	230	1.1	3.3	232
12/28/2023 13:00	0.9	6.1	238	1.1	6.8	247	1.2	4.4	215
12/28/2023 12:30	2.0	6.6	223	0.7	5.4	226	1.1	3.6	203
12/28/2023 12:00	2.5	5.7	211	0.8	5.0	227	1.3	3.2	213
12/28/2023 11:30	3.2	5.2	204	0.9	5.1	225	1.2	2.6	225
12/28/2023 11:00	1.1	4.6	226	1.1	4.4	229	0.2	2.5	245
12/28/2023 10:30	1.3	5.4	222	1.1	5.6	234	0.2	2.2	248
12/28/2023 10:00	1.9	3.4	208	1.1	3.9	225	0.2	1.9	248
12/28/2023 9:30	3.7	3.4	213	1.2	4.8	218	0.2	2.4	244
12/28/2023 9:00	2.3	3.4	215	1.2	3.6	225	5.3	2.2	230
12/28/2023 8:30	5.2	3.5	206	1.2	3.1	215	1.8	2.2	223
12/28/2023 8:00	1.4	4.7	222	1.3	5.0	233	0.2	3.4	251
12/28/2023 7:30	2.3	4.5	217	1.5	5.7	232	0.2	3.0	251
12/28/2023 7:00	0.9	4.3	220	1.6	5.3	228	0.2	3.3	246
12/28/2023 6:30	0.2	4.3	228	1.5	5.4	231	0.2	3.5	247
12/28/2023 6:00	0.9	4.8	225	1.3	6.2	228	0.2	3.3	247
12/28/2023 5:30	0.6	5.4	232	2.2	6.4	231	0.2	3.0	248
12/28/2023 5:00	1.6	4.8	221	1.5	4.5	224	0.2	3.1	250
12/28/2023 4:30	0.9	5.4	227	1.5	5.4	230	0.2	2.5	249
12/28/2023 4:00	1.4	5.7	226	1.3	5.4	228	0.2	3.3	247
12/28/2023 3:30	2.3	4.9	214	1.2	4.9	225	0.2	3.8	247
12/28/2023 3:00	1.1	4.3	221	1.3	5.4	224	0.2	3.1	246
12/28/2023 2:30	0.9	5.1	222	1.7	6.1	229	0.2	3.3	245
12/28/2023 2:00	1.7	5.3	220	1.3	5.1	223	0.2	3.6	244
12/28/2023 1:30	2.8	4.0	215	1.6	3.9	214	AX	2.5	248
12/28/2023 1:00	1.8	4.1	215	AX	3.8	214	0.2	3.0	250
12/28/2023 0:30	AX	4.3	218	1.8	3.9	215	0.2	2.4	254

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
12/28/2023 0:00	1.1	5.2	230	1.6	4.7	224	0.2	2.9	251
12/27/2023 23:30	5.2	4.8	222	1.5	4.1	223	0.2	2.5	253
12/27/2023 23:00	7.1	3.9	222	1.5	3.2	215	0.6	2.6	251
12/27/2023 22:30	8.3	4.6	212	1.0	2.6	216	4.5	2.5	240
12/27/2023 22:00	11.7	4.9	205	0.7	2.9	207	6.4	1.6	217
12/27/2023 21:30	6.0	4.3	208	0.7	2.3	203	7.3	1.7	218
12/27/2023 21:00	3.0	4.4	209	0.7	2.0	205	2.4	1.5	201
12/27/2023 20:30	2.3	4.1	205	0.7	1.0	183	1.9	1.1	178
12/27/2023 20:00	1.0	3.5	201	0.7	1.2	195	1.6	1.1	194
12/27/2023 19:30	1.9	2.4	200	0.7	0.8	159	2.0	1.0	192
12/27/2023 19:00	1.9	2.5	198	0.7	1.2	195	1.4	0.8	190
12/27/2023 18:30	1.4	2.4	184	0.8	1.2	207	0.2	1.2	209
12/27/2023 18:00	0.7	1.8	190	1.0	1.1	245	0.2	0.6	278
12/27/2023 17:30	2.4	2.0	207	2.3	2.0	225	0.2	0.6	280
12/27/2023 17:00	1.6	3.8	222	1.4	2.8	275	0.2	0.5	250
12/27/2023 16:30	0.2	2.4	208	2.0	4.2	274	0.2	0.8	286
12/27/2023 16:00	0.2	3.5	270	2.3	4.4	273	0.2	1.1	266
12/27/2023 15:30	0.2	5.0	269	4.0	5.5	260	0.2	1.6	268
12/27/2023 15:00	0.4	6.0	249	3.4	5.7	261	0.2	1.6	267
12/27/2023 14:30	0.2	5.9	260	3.5	5.9	258	0.2	1.7	271
12/27/2023 14:00	0.4	4.0	255	3.9	4.2	261	0.2	2.2	257
12/27/2023 13:30	0.2	4.1	260	0.9	4.3	280	0.2	1.1	280
12/27/2023 13:00	0.6	4.1	282	1.2	4.4	288	0.2	1.1	278
12/27/2023 12:30	0.6	4.2	288	2.2	5.5	253	0.2	2.2	251
12/27/2023 12:00	0.5	4.8	296	2.1	4.4	260	AX	1.0	255
12/27/2023 11:30	0.6	5.6	284	1.0	5.4	282	AX	1.1	274
12/27/2023 11:00	0.6	3.7	290	0.9	3.6	285	AX	0.8	319
12/27/2023 10:30	0.6	2.5	266	0.9	2.4	284	AX	0.5	301
12/27/2023 10:00	1.1	2.5	274	0.9	2.2	293	AX	0.9	301
12/27/2023 9:30	3.6	1.7	308	0.8	1.4	13	0.2	1.0	12
12/27/2023 9:00	0.8	3.1	315	0.8	1.4	353	0.2	0.9	353
12/27/2023 8:30	1.1	1.2	302	0.7	1.4	21	0.2	1.0	351
12/27/2023 8:00	0.6	2.7	308	0.7	1.5	334	0.2	0.5	328
12/27/2023 7:30	2.2	2.4	297	0.7	0.8	317	0.2	0.5	323
12/27/2023 7:00	0.7	1.2	72	0.7	0.2	116	0.2	0.3	61
12/27/2023 6:30	2.2	1.8	49	0.8	0.2	32	0.2	0.3	353
12/27/2023 6:00	10.1	2.2	33	0.8	0.8	47	0.2	0.5	7
12/27/2023 5:30	5.2	1.2	352	0.8	0.6	19	0.2	0.3	345
12/27/2023 5:00	0.6	1.3	47	0.7	0.3	338	0.2	0.3	348
12/27/2023 4:30	0.5	1.7	78	0.7	0.3	285	0.2	0.5	59
12/27/2023 4:00	0.2	2.5	77	0.7	0.5	88	0.2	0.8	71
12/27/2023 3:30	0.5	2.9	77	0.7	0.6	46	0.2	0.9	59
12/27/2023 3:00	0.5	3.8	66	0.7	1.1	65	0.2	1.7	63
12/27/2023 2:30	0.6	3.8	55	0.7	0.6	40	0.2	1.3	60
12/27/2023 2:00	0.6	3.1	47	0.7	0.6	41	0.2	1.5	73
12/27/2023 1:30	0.6	3.9	54	0.9	1.0	60	AX	2.0	71
12/27/2023 1:00	0.7	4.4	61	AX	1.3	65	0.2	2.5	70
12/27/2023 0:30	AX	4.5	55	0.7	1.0	48	0.2	1.7	50

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
12/27/2023 0:00	0.2	5.0	55	0.7	1.4	46	0.2	2.4	63
12/26/2023 23:30	0.2	5.7	65	0.7	2.0	61	0.2	3.1	75
12/26/2023 23:00	0.5	3.5	59	0.7	1.7	27	0.2	1.8	66
12/26/2023 22:30	0.6	5.9	65	0.7	2.1	68	0.2	2.8	62
12/26/2023 22:00	0.5	8.4	50	0.7	2.7	59	0.2	4.0	55
12/26/2023 21:30	0.6	6.7	58	0.7	2.5	67	0.2	3.6	65
12/26/2023 21:00	0.5	6.7	69	0.8	3.3	71	0.2	4.5	75
12/26/2023 20:30	0.5	6.5	73	0.8	2.8	74	0.2	4.2	78
12/26/2023 20:00	0.5	5.2	66	0.7	2.0	67	0.2	3.0	72
12/26/2023 19:30	0.5	5.1	73	0.6	1.7	74	0.2	3.5	70
12/26/2023 19:00	0.2	5.1	75	0.7	3.0	67	0.2	4.0	58
12/26/2023 18:30	0.2	6.6	53	0.7	2.9	58	0.2	3.5	58
12/26/2023 18:00	0.4	7.9	56	0.7	3.1	59	0.2	3.6	55
12/26/2023 17:30	0.7	12.0	46	0.7	3.7	56	0.2	4.5	48
12/26/2023 17:00	0.4	10.0	68	0.7	4.6	68	0.2	5.9	73
12/26/2023 16:30	0.6	8.4	106	0.7	4.5	89	0.2	5.1	92
12/26/2023 16:00	0.8	6.4	57	0.7	2.8	66	0.2	3.6	66
12/26/2023 15:30	1.3	4.9	31	0.7	1.6	52	0.2	2.3	24
12/26/2023 15:00	0.5	8.2	59	0.7	3.1	59	0.2	3.4	64
12/26/2023 14:30	1.2	7.0	59	0.7	2.6	59	0.2	4.0	49
12/26/2023 14:00	12.2	6.9	23	0.6	3.3	46	0.2	3.1	29
12/26/2023 13:30	4.3	8.3	19	0.6	3.4	8	0.2	2.5	3
12/26/2023 13:00	0.6	5.4	71	0.6	1.8	73	0.2	1.9	65
12/26/2023 12:30	0.2	5.1	101	0.6	2.6	87	0.2	2.3	115
12/26/2023 12:00	0.2	3.9	109	0.7	2.3	96	0.2	2.3	122
12/26/2023 11:30	0.4	5.8	116	0.6	3.2	96	0.2	2.1	105
12/26/2023 11:00	0.4	6.4	105	0.6	2.5	89	0.2	3.6	97
12/26/2023 10:30	0.6	5.7	81	0.6	2.7	76	0.2	3.8	81
12/26/2023 10:00	0.4	5.2	66	0.6	2.2	63	0.2	3.0	73
12/26/2023 9:30	0.2	4.7	68	0.7	1.8	67	0.2	3.0	75
12/26/2023 9:00	0.2	4.5	67	0.7	2.3	64	0.2	3.0	74
12/26/2023 8:30	0.5	4.2	81	0.7	2.1	80	0.2	2.4	87
12/26/2023 8:00	0.2	4.0	79	0.7	2.0	71	0.2	2.6	84
12/26/2023 7:30	0.2	4.5	75	0.6	1.7	75	0.2	2.3	86
12/26/2023 7:00	0.4	3.7	83	0.6	1.7	72	0.2	2.2	86
12/26/2023 6:30	0.2	3.8	94	0.6	1.5	89	0.2	2.4	98
12/26/2023 6:00	0.2	5.8	100	0.5	3.0	83	0.2	3.1	100
12/26/2023 5:30	0.4	5.3	104	0.6	2.1	81	0.2	2.6	103
12/26/2023 5:00	0.2	4.9	111	0.6	2.2	85	0.2	2.3	100
12/26/2023 4:30	0.5	4.8	120	0.6	2.1	90	0.2	2.0	122
12/26/2023 4:00	0.5	5.2	113	0.6	2.4	92	0.2	2.8	102
12/26/2023 3:30	0.2	4.5	116	0.6	2.7	92	0.2	2.4	104
12/26/2023 3:00	0.2	4.3	105	0.6	2.4	83	0.2	2.7	100
12/26/2023 2:30	0.2	5.0	113	0.6	2.4	90	0.2	2.5	100
12/26/2023 2:00	0.2	4.9	101	0.6	2.5	85	0.2	2.7	102
12/26/2023 1:30	0.4	4.9	112	0.7	2.8	98	AX	2.8	115
12/26/2023 1:00	0.5	5.3	106	AX	2.4	80	0.2	2.7	105
12/26/2023 0:30	AX	5.1	103	0.6	2.4	92	0.2	2.4	108

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
12/26/2023 0:00	0.2	4.8	100	0.5	1.9	85	2.7	2.1	103
12/25/2023 23:30	0.2	4.4	103	0.6	1.9	94	2.7	2.2	108
12/25/2023 23:00	0.2	4.8	106	0.6	2.3	97	2.7	2.6	109
12/25/2023 22:30	0.2	4.8	113	0.6	2.7	86	2.6	3.0	102
12/25/2023 22:00	0.2	5.4	90	0.6	3.3	83	2.6	3.6	87
12/25/2023 21:30	0.2	4.9	80	0.6	2.1	68	2.6	2.8	96
12/25/2023 21:00	0.2	4.9	69	0.5	1.3	67	2.5	2.3	79
12/25/2023 20:30	0.2	4.7	71	0.5	1.6	65	2.5	2.2	78
12/25/2023 20:00	0.2	4.8	80	0.5	2.5	70	2.6	2.7	81
12/25/2023 19:30	0.2	5.5	75	0.6	2.3	70	2.6	3.1	77
12/25/2023 19:00	0.2	4.7	79	0.6	1.9	73	2.6	3.3	80
12/25/2023 18:30	0.2	5.7	79	0.6	2.7	77	2.6	3.7	78
12/25/2023 18:00	0.2	6.1	78	0.6	2.6	70	2.5	3.7	81
12/25/2023 17:30	0.2	6.7	76	0.6	3.0	73	2.5	4.6	80
12/25/2023 17:00	0.2	6.1	79	0.6	2.6	78	2.5	4.9	86
12/25/2023 16:30	0.2	5.2	82	0.6	2.6	79	2.5	2.6	84
12/25/2023 16:00	0.2	5.3	90	0.5	2.3	82	2.5	3.4	93
12/25/2023 15:30	0.2	6.1	97	0.5	3.2	81	2.5	3.4	90
12/25/2023 15:00	0.2	7.0	91	0.5	3.4	90	2.5	4.2	85
12/25/2023 14:30	0.2	5.6	96	0.6	3.5	84	2.5	3.9	91
12/25/2023 14:00	0.2	4.0	92	0.6	2.6	90	2.5	3.5	105
12/25/2023 13:30	0.2	6.9	107	0.6	3.3	93	2.4	3.7	105
12/25/2023 13:00	0.2	8.0	113	0.5	3.5	90	2.3	3.7	102
12/25/2023 12:30	0.4	6.0	106	0.5	2.9	88	2.3	3.1	97
12/25/2023 12:00	0.2	5.7	84	0.5	3.1	79	2.2	3.9	79
12/25/2023 11:30	0.2	5.4	75	0.6	2.3	76	2.2	3.1	74
12/25/2023 11:00	0.4	3.5	76	0.6	1.6	83	2.1	1.6	98
12/25/2023 10:30	0.2	4.6	82	0.7	2.3	82	2.1	2.9	84
12/25/2023 10:00	0.4	4.9	76	0.8	1.9	80	2.1	3.3	81
12/25/2023 9:30	0.2	4.7	57	0.8	1.1	43	2.2	2.4	69
12/25/2023 9:00	0.4	3.7	59	0.8	0.8	27	2.5	1.1	26
12/25/2023 8:30	0.2	3.7	51	0.5	0.6	37	2.3	0.7	4
12/25/2023 8:00	0.2	3.6	64	0.5	0.9	33	2.1	0.8	340
12/25/2023 7:30	0.2	4.1	69	0.5	0.7	303	1.8	0.7	316
12/25/2023 7:00	2.6	3.5	52	0.5	0.6	25	1.7	1.1	345
12/25/2023 6:30	6.0	1.6	49	0.5	0.3	349	1.6	0.8	327
12/25/2023 6:00	2.6	1.8	45	0.5	0.4	24	1.5	0.6	351
12/25/2023 5:30	4.4	1.4	83	0.5	0.5	39	1.5	0.9	348
12/25/2023 5:00	3.8	0.6	114	0.5	0.5	34	1.6	1.0	353
12/25/2023 4:30	2.9	0.6	150	0.5	0.3	359	1.5	0.4	347
12/25/2023 4:00	3.7	0.7	46	0.5	0.6	32	1.5	0.5	354
12/25/2023 3:30	4.4	1.5	72	0.5	0.5	14	1.7	0.5	337
12/25/2023 3:00	7.0	1.4	38	0.5	0.9	26	1.6	0.6	5
12/25/2023 2:30	2.6	1.8	17	0.5	1.0	4	1.6	0.8	356
12/25/2023 2:00	2.5	0.5	87	0.6	0.9	26	1.8	0.6	26
12/25/2023 1:30	1.9	1.7	195	0.7	0.3	47	AX	0.2	358
12/25/2023 1:00	1.9	1.1	166	AX	0.8	24	1.4	0.5	345
12/25/2023 0:30	AX	0.9	44	0.5	1.1	34	1.6	0.7	34

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
12/25/2023 0:00	1.5	2.6	221	0.5	0.4	50	1.6	0.5	331
12/24/2023 23:30	1.0	2.8	43	0.5	1.3	355	1.7	0.8	338
12/24/2023 23:00	1.0	1.7	177	0.5	0.5	240	1.7	0.4	330
12/24/2023 22:30	3.7	1.4	63	0.5	0.4	37	1.6	0.4	331
12/24/2023 22:00	2.9	1.2	38	0.5	0.8	15	1.7	0.5	16
12/24/2023 21:30	2.0	0.8	130	0.5	0.4	56	1.7	0.3	38
12/24/2023 21:00	0.9	1.6	208	0.5	0.3	150	1.7	0.3	358
12/24/2023 20:30	0.8	1.1	43	0.5	0.4	38	1.8	0.5	11
12/24/2023 20:00	0.9	0.8	120	0.6	0.5	52	1.9	0.4	2
12/24/2023 19:30	0.6	1.4	213	0.5	0.3	277	1.9	0.5	353
12/24/2023 19:00	0.2	0.5	123	0.6	0.4	54	1.9	0.6	350
12/24/2023 18:30	0.5	1.1	163	0.6	0.3	38	2.0	0.3	5
12/24/2023 18:00	0.2	1.6	101	0.6	0.6	59	2.1	0.3	60
12/24/2023 17:30	0.4	2.5	113	0.5	0.9	71	2.1	0.3	24
12/24/2023 17:00	0.2	3.0	96	0.5	1.1	83	2.2	0.9	84
12/24/2023 16:30	0.7	3.3	113	0.5	1.3	89	2.2	1.2	117
12/24/2023 16:00	0.5	3.3	137	0.5	1.9	109	2.2	1.7	115
12/24/2023 15:30	0.4	6.0	124	0.4	1.9	115	2.1	1.4	107
12/24/2023 15:00	0.2	2.5	299	0.2	1.9	116	2.1	2.0	127
12/24/2023 14:30	0.2	2.4	148	0.4	2.1	117	2.2	1.6	335
12/24/2023 14:00	0.2	2.8	109	0.4	2.1	68	2.2	1.5	185
12/24/2023 13:30	0.2	2.7	52	0.4	2.4	171	2.2	2.0	98
12/24/2023 13:00	0.2	3.6	15	0.5	1.7	91	2.2	1.7	98
12/24/2023 12:30	0.6	1.9	342	0.5	1.9	178	2.2	1.7	28
12/24/2023 12:00	1.3	1.4	344	0.6	1.5	73	2.4	1.0	38
12/24/2023 11:30	1.3	1.5	4	0.7	1.3	25	2.7	1.0	344
12/24/2023 11:00	1.9	2.3	37	0.8	1.9	2	3.1	1.1	1
12/24/2023 10:30	3.1	2.2	62	1.0	1.0	12	4.2	0.6	343
12/24/2023 10:00	8.9	0.8	71	1.0	0.6	33	4.7	0.8	10
12/24/2023 9:30	5.5	1.3	65	0.9	0.9	19	4.7	1.2	3
12/24/2023 9:00	5.8	2.0	50	0.9	1.3	37	4.3	1.0	35
12/24/2023 8:30	4.2	0.7	111	0.8	1.2	56	4.5	0.7	43
12/24/2023 8:00	3.3	1.0	71	0.5	0.3	358	3.8	0.2	359
12/24/2023 7:30	4.5	2.3	56	0.6	0.6	18	3.8	0.4	21
12/24/2023 7:00	3.8	2.2	53	0.9	1.5	31	4.0	0.6	41
12/24/2023 6:30	6.0	2.5	50	0.6	1.7	33	3.7	0.8	31
12/24/2023 6:00	3.6	2.9	55	0.8	1.4	40	4.1	0.8	29
12/24/2023 5:30	2.7	0.9	107	0.5	1.1	43	3.2	0.5	11
12/24/2023 5:00	3.6	1.0	116	0.6	0.5	2	2.8	0.2	350
12/24/2023 4:30	2.4	1.6	100	0.7	0.5	22	2.6	0.3	29
12/24/2023 4:00	0.9	0.7	99	0.9	1.0	43	2.3	0.6	24
12/24/2023 3:30	0.5	0.7	189	0.7	0.5	22	2.1	0.3	12
12/24/2023 3:00	0.2	1.2	191	0.8	0.5	21	2.1	0.3	22
12/24/2023 2:30	0.4	1.6	176	1.0	0.4	34	2.8	0.2	66
12/24/2023 2:00	0.6	1.2	171	1.4	0.4	21	BF	0.3	56
12/24/2023 1:30	1.5	0.8	177	BF	0.6	38	BF	0.3	51
12/24/2023 1:00	BF	1.8	209	BF	0.5	10	1.5	0.5	341
12/24/2023 0:30	BF	1.5	202	0.5	0.2	114	1.5	0.2	287

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
12/24/2023 0:00	0.2	1.6	210	0.5	0.3	183	1.3	0.3	230
12/23/2023 23:30	0.2	1.6	210	0.5	0.4	242	1.1	0.4	244
12/23/2023 23:00	0.2	2.1	220	0.6	0.5	250	0.9	0.3	255
12/23/2023 22:30	0.4	1.5	192	0.5	0.5	27	0.6	0.3	90
12/23/2023 22:00	0.4	1.2	192	0.6	0.3	40	0.5	0.2	339
12/23/2023 21:30	0.4	1.7	203	0.6	0.4	22	0.4	0.3	24
12/23/2023 21:00	0.4	1.9	214	0.6	0.6	93	0.6	0.3	339
12/23/2023 20:30	0.2	1.4	172	0.5	0.4	76	0.6	0.3	54
12/23/2023 20:00	0.2	1.6	203	0.5	0.3	42	0.6	0.2	356
12/23/2023 19:30	0.2	1.6	176	0.4	0.4	116	0.8	0.2	4
12/23/2023 19:00	0.2	2.0	192	0.5	0.3	143	0.7	0.3	300
12/23/2023 18:30	0.2	1.8	200	0.5	0.3	53	0.9	0.2	304
12/23/2023 18:00	0.2	2.2	194	0.5	0.2	89	1.1	0.2	304
12/23/2023 17:30	0.2	2.5	198	0.5	0.4	117	1.3	0.5	220
12/23/2023 17:00	0.2	2.4	142	0.5	1.0	159	0.9	0.9	208
12/23/2023 16:30	0.2	2.9	167	0.5	1.3	190	0.7	1.2	211
12/23/2023 16:00	0.2	2.9	176	0.6	3.1	232	3.1	1.8	188
12/23/2023 15:30	0.2	3.9	216	0.6	3.7	214	0.8	1.7	204
12/23/2023 15:00	0.2	5.0	190	0.5	4.0	233	0.9	3.0	224
12/23/2023 14:30	0.2	4.1	184	0.6	2.3	238	0.6	2.2	186
12/23/2023 14:00	0.2	3.0	181	0.7	3.7	252	0.9	2.8	212
12/23/2023 13:30	0.2	4.4	207	0.6	4.4	235	1.2	2.6	213
12/23/2023 13:00	0.2	5.1	191	0.6	3.4	225	1.0	2.4	197
12/23/2023 12:30	0.4	3.6	203	0.6	4.0	228	1.6	2.5	217
12/23/2023 12:00	0.5	4.2	177	1.0	3.3	231	2.0	2.3	220
12/23/2023 11:30	0.8	3.5	205	0.9	2.3	199	1.8	1.7	205
12/23/2023 11:00	1.4	1.9	52	1.2	1.5	119	2.5	1.6	100
12/23/2023 10:30	1.4	1.0	19	1.4	0.6	311	3.2	1.2	40
12/23/2023 10:00	3.2	1.3	353	1.3	0.7	344	3.4	0.8	40
12/23/2023 9:30	5.4	1.5	33	1.1	1.0	37	3.1	1.0	355
12/23/2023 9:00	3.8	1.0	229	0.9	0.7	342	3.0	0.8	35
12/23/2023 8:30	3.9	1.4	143	0.9	1.4	17	3.1	0.7	73
12/23/2023 8:00	4.2	1.5	194	0.8	1.1	19	3.0	0.7	4
12/23/2023 7:30	3.0	0.7	183	0.8	1.0	39	3.0	0.4	37
12/23/2023 7:00	3.2	1.7	138	0.8	0.7	34	2.9	0.2	138
12/23/2023 6:30	2.0	1.0	81	0.7	0.7	337	2.9	0.2	49
12/23/2023 6:00	2.9	2.5	59	0.7	1.3	341	2.6	0.2	9
12/23/2023 5:30	4.5	1.3	70	0.9	1.0	9	2.7	0.7	39
12/23/2023 5:00	4.2	1.4	87	0.9	1.1	64	2.9	0.5	48
12/23/2023 4:30	1.4	1.2	105	0.7	1.0	346	2.8	0.3	303
12/23/2023 4:00	0.6	1.2	92	0.6	1.0	19	2.9	0.5	33
12/23/2023 3:30	0.2	0.8	133	0.8	0.8	31	2.8	0.4	51
12/23/2023 3:00	0.2	1.0	135	1.5	0.8	43	2.9	0.4	50
12/23/2023 2:30	0.2	1.2	199	1.3	0.7	20	2.7	0.3	359
12/23/2023 2:00	0.2	1.7	206	1.1	0.6	14	2.9	0.3	355
12/23/2023 1:30	0.2	1.5	188	0.8	0.4	19	AX	0.2	332
12/23/2023 1:00	0.4	1.2	188	AX	0.5	9	2.8	0.3	38
12/23/2023 0:30	AX	1.5	196	1.0	0.5	5	3.2	0.2	101



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
12/23/2023 0:00	0.2	1.7	198	1.6	0.3	266	3.2	0.2	285
12/22/2023 23:30	0.2	2.1	204	1.3	0.3	359	2.6	0.2	297
12/22/2023 23:00	0.2	1.4	193	1.4	0.4	42	3.3	0.3	328
12/22/2023 22:30	0.2	1.9	199	1.3	0.3	264	2.7	0.2	353
12/22/2023 22:00	0.2	1.4	184	0.8	0.2	28	2.0	0.3	15
12/22/2023 21:30	0.2	1.2	191	0.6	0.3	357	1.6	0.2	351
12/22/2023 21:00	0.2	1.4	206	0.6	0.2	294	1.6	0.3	16
12/22/2023 20:30	0.2	1.3	202	0.5	0.3	72	1.1	0.2	101
12/22/2023 20:00	0.2	1.8	202	0.5	0.5	172	1.6	0.4	13
12/22/2023 19:30	0.2	1.5	193	0.4	0.5	36	1.0	0.3	75
12/22/2023 19:00	0.2	2.0	197	0.5	0.6	153	0.9	0.3	233
12/22/2023 18:30	0.2	2.7	208	0.5	0.8	90	0.9	0.4	271
12/22/2023 18:00	0.2	2.1	195	0.4	0.7	142	1.2	0.4	254
12/22/2023 17:30	0.2	2.3	196	0.4	0.4	106	1.0	0.4	242
12/22/2023 17:00	0.2	2.0	150	0.5	0.7	117	0.7	1.1	190
12/22/2023 16:30	0.2	3.9	144	0.6	1.5	133	0.5	1.5	179
12/22/2023 16:00	0.2	4.2	160	0.6	2.1	171	0.7	2.1	183
12/22/2023 15:30	0.2	3.4	179	0.6	3.0	206	0.7	2.1	182
12/22/2023 15:00	0.2	3.6	191	0.6	2.5	230	1.0	1.8	192
12/22/2023 14:30	0.2	2.8	189	0.6	2.5	218	1.0	2.0	171
12/22/2023 14:00	0.2	2.7	210	0.6	3.1	228	1.0	1.9	222
12/22/2023 13:30	0.2	4.5	207	1.0	4.5	244	1.2	2.5	215
12/22/2023 13:00	0.4	3.8	222	0.8	3.9	230	1.1	1.9	204
12/22/2023 12:30	0.2	2.8	221	AX	2.1	235	2.4	1.9	190
12/22/2023 12:00	0.2	1.8	211	AX	2.6	224	1.3	0.7	308
12/22/2023 11:30	0.2	1.5	144	AX	0.8	145	2.7	1.0	79
12/22/2023 11:00	0.2	1.2	169	3.1	1.0	221	6.3	0.9	78
12/22/2023 10:30	0.2	1.2	219	2.8	1.3	89	5.1	1.0	42
12/22/2023 10:00	0.6	2.0	226	0.7	1.3	216	2.1	1.1	199
12/22/2023 9:30	2.0	2.1	233	0.9	1.2	226	2.3	0.4	153
12/22/2023 9:00	2.2	1.2	195	0.9	1.1	270	1.9	0.7	167
12/22/2023 8:30	2.0	1.3	166	1.0	1.1	26	1.6	0.7	37
12/22/2023 8:00	2.1	1.3	224	0.8	1.3	36	1.8	0.8	15
12/22/2023 7:30	1.4	1.7	229	0.8	0.7	329	1.6	0.7	231
12/22/2023 7:00	0.9	0.8	208	0.8	0.6	345	1.7	0.4	343
12/22/2023 6:30	0.7	1.0	175	0.8	0.5	14	1.6	0.3	124
12/22/2023 6:00	0.8	0.5	150	1.0	0.9	0	1.6	0.2	306
12/22/2023 5:30	0.7	1.0	171	1.0	0.5	30	1.8	0.3	360
12/22/2023 5:00	0.7	1.0	204	0.9	0.7	10	1.6	0.2	291
12/22/2023 4:30	0.8	1.1	194	1.1	0.7	357	1.6	0.3	332
12/22/2023 4:00	0.6	1.4	179	1.0	0.4	328	2.0	0.2	251
12/22/2023 3:30	0.4	0.8	199	0.8	0.7	17	1.9	0.3	328
12/22/2023 3:00	0.2	1.5	190	1.1	0.6	353	1.6	0.3	328
12/22/2023 2:30	0.2	1.3	182	1.2	0.5	20	2.0	0.2	316
12/22/2023 2:00	0.2	0.9	180	1.3	0.7	30	2.5	0.2	10
12/22/2023 1:30	0.2	1.5	194	1.1	0.9	3	AX	0.3	313
12/22/2023 1:00	0.2	1.6	187	AX	0.4	15	2.1	0.2	330
12/22/2023 0:30	AX	1.2	192	0.8	0.4	22	2.1	0.3	341

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