



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

November 17, 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
11/10/2023 00:00	11/16/2023 23:59	3.1	0.7	0.7

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.

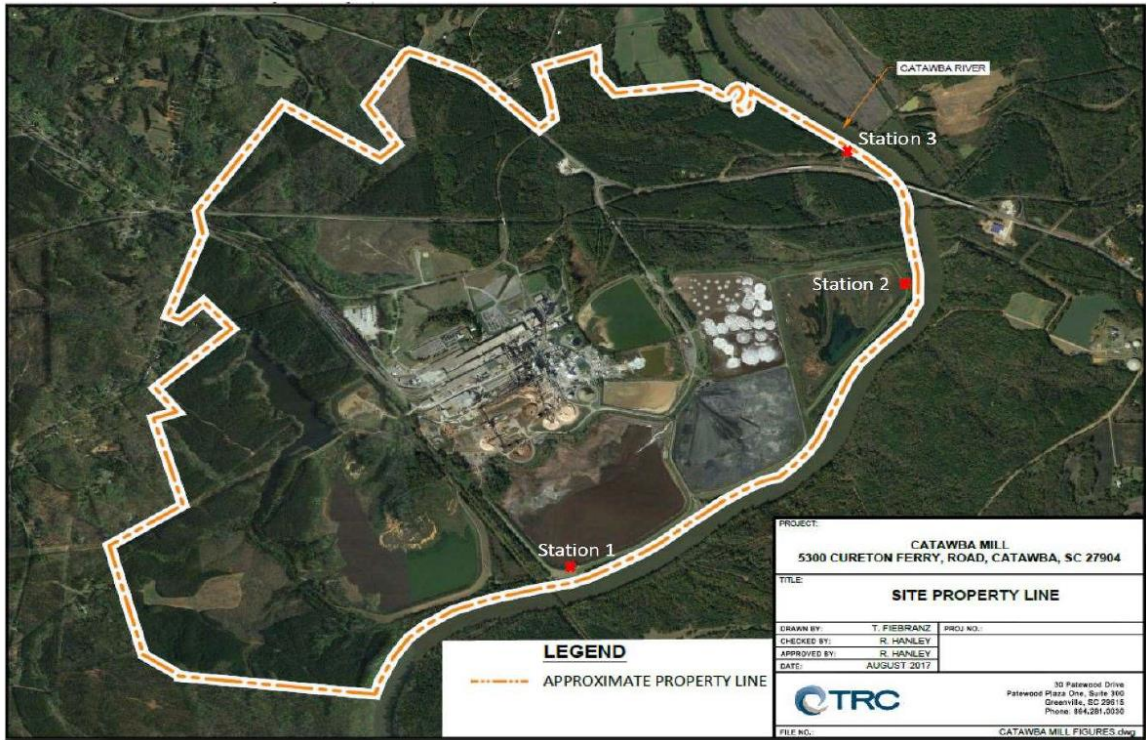
Bob Tourville
 Process Engineering Manager

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

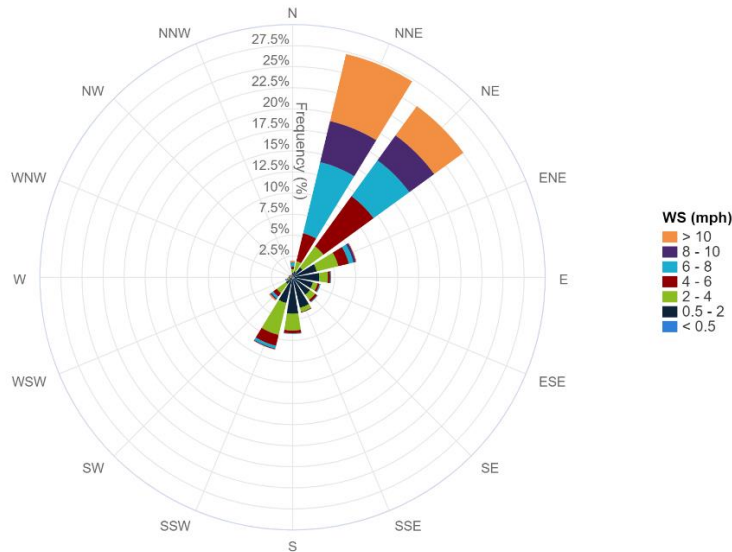
Attachments:

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 11/10/2023 00:00 to 11/16/2023 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
11/04/2023 00:00	11/10/2023 23:59	5.5	1.1	2.7	11/10/2023	1.6	1.3	1.8
11/05/2023 00:00	11/11/2023 23:59	4.1	1.1	2.7	11/11/2023	2.2	0.5	0.3
11/06/2023 00:00	11/12/2023 23:59	2.9	1.0	2.7	11/12/2023	2.1	0.5	0.3
11/07/2023 00:00	11/13/2023 23:59	2.4	0.9	2.4	11/13/2023	5.1	1.1	1.0
11/08/2023 00:00	11/14/2023 23:59	2.7	0.8	1.6	11/14/2023	2.8	0.6	0.6
11/09/2023 00:00	11/15/2023 23:59	2.4	0.8	1.4	11/15/2023	2.7	0.5	0.3
11/10/2023 00:00	11/16/2023 23:59	3.1	0.7	0.7	11/16/2023	5.4	0.6	0.4

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
11/17/2023 0:00	11.9	2.0	63	0.6	0.6	45	0.4	0.6	39
11/16/2023 23:30	2.5	1.4	42	0.5	0.7	42	0.2	0.8	360
11/16/2023 23:00	3.6	1.3	79	0.5	0.3	34	0.6	0.5	49
11/16/2023 22:30	3.6	1.3	71	0.5	0.3	22	0.6	0.5	35
11/16/2023 22:00	3.3	1.6	64	0.6	1.1	52	0.2	0.6	51
11/16/2023 21:30	2.7	1.1	91	0.6	0.7	38	0.6	0.5	37
11/16/2023 21:00	3.5	0.9	52	0.6	1.0	26	0.2	0.8	7
11/16/2023 20:30	1.1	1.0	109	0.6	0.7	41	0.2	0.5	43
11/16/2023 20:00	0.8	1.1	178	0.5	0.5	39	0.2	0.2	29
11/16/2023 19:30	0.2	0.7	208	0.5	0.5	18	0.2	0.6	19
11/16/2023 19:00	0.2	1.0	113	0.7	0.4	54	0.2	0.5	10
11/16/2023 18:30	0.2	1.7	95	0.6	0.7	66	0.2	0.2	358
11/16/2023 18:00	0.2	2.3	94	0.5	0.9	58	0.4	0.7	53
11/16/2023 17:30	0.2	3.1	111	0.4	1.1	78	0.6	1.9	80
11/16/2023 17:00	0.2	4.2	129	0.5	2.7	83	0.7	3.4	74
11/16/2023 16:30	0.2	4.2	111	0.6	1.9	84	0.5	4.2	70
11/16/2023 16:00	0.2	4.6	90	0.5	2.2	74	0.2	3.6	76
11/16/2023 15:30	0.2	5.9	68	0.5	2.8	84	0.2	3.5	79
11/16/2023 15:00	0.2	BA	BA	0.5	2.7	75	0.2	3.3	78
11/16/2023 14:30	0.2	4.8	94	0.5	2.8	125	0.2	3.2	85
11/16/2023 14:00	0.2	5.0	100	0.4	2.5	101	0.2	2.5	81
11/16/2023 13:30	0.2	3.5	44	0.2	1.8	73	0.2	2.3	49
11/16/2023 13:00	0.2	3.8	84	0.2	2.4	88	0.4	3.9	68
11/16/2023 12:30	0.2	5.8	56	0.5	2.7	87	0.2	3.0	83
11/16/2023 12:00	0.2	5.0	97	0.5	2.5	106	0.4	2.4	72
11/16/2023 11:30	0.6	6.0	36	0.5	2.4	46	0.4	3.1	69
11/16/2023 11:00	1.1	5.5	30	0.5	2.3	46	0.5	3.1	55
11/16/2023 10:30	4.2	6.4	24	0.5	2.5	20	0.5	2.1	29
11/16/2023 10:00	2.4	6.1	29	0.6	2.4	4	0.4	2.3	31
11/16/2023 9:30	2.8	7.4	28	0.7	2.8	11	0.4	2.6	26
11/16/2023 9:00	6.1	7.7	33	0.8	2.2	40	0.6	2.6	41
11/16/2023 8:30	9.0	6.7	15	0.7	1.4	18	0.6	2.6	359
11/16/2023 8:00	9.4	6.0	12	0.7	0.6	11	0.6	1.1	328
11/16/2023 7:30	10.4	5.9	14	0.7	0.7	46	0.6	1.2	337
11/16/2023 7:00	11.3	7.3	16	0.7	0.9	40	0.5	2.2	1
11/16/2023 6:30	10.5	6.5	15	0.7	1.1	34	0.4	2.5	352
11/16/2023 6:00	13.8	6.4	18	0.6	1.2	28	0.2	2.6	353
11/16/2023 5:30	13.7	6.5	16	0.6	1.2	29	0.2	2.1	352
11/16/2023 5:00	12.9	6.5	14	0.6	1.1	37	0.2	1.4	353
11/16/2023 4:30	17.9	6.9	19	0.5	1.4	45	0.4	1.5	17
11/16/2023 4:00	14.0	6.4	20	0.5	1.3	46	0.5	1.1	23
11/16/2023 3:30	15.2	6.8	18	0.5	1.2	38	0.5	2.1	359
11/16/2023 3:00	12.9	6.1	14	0.5	1.1	26	0.4	0.7	48
11/16/2023 2:30	18.0	5.9	19	0.6	1.2	34	0.5	1.2	22
11/16/2023 2:00	1.7	5.8	49	0.7	0.7	48	0.6	0.9	28
11/16/2023 1:30	10.8	4.5	35	0.7	0.6	42	AX	1.2	15
11/16/2023 1:00	18.7	6.4	16	AX	0.9	36	0.2	1.5	10
11/16/2023 0:30	AX	6.6	16	0.5	1.3	24	0.2	1.9	359

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
11/16/2023 0:00	4.4	4.5	40	0.5	0.3	71	0.4	1.2	7
11/15/2023 23:30	3.5	5.6	42	0.6	0.5	62	0.5	1.4	25
11/15/2023 23:00	6.1	4.0	34	0.5	0.4	52	0.5	1.3	349
11/15/2023 22:30	3.1	5.3	42	0.6	0.5	53	0.5	1.2	358
11/15/2023 22:00	1.5	4.5	46	0.5	0.3	39	0.5	0.5	34
11/15/2023 21:30	1.5	4.9	45	0.5	0.4	98	0.4	0.7	336
11/15/2023 21:00	0.2	4.4	48	0.5	0.6	11	0.2	0.4	26
11/15/2023 20:30	0.7	4.9	42	0.5	0.4	39	0.2	0.4	36
11/15/2023 20:00	0.2	5.7	44	0.5	0.4	18	0.2	1.1	10
11/15/2023 19:30	0.5	5.3	41	0.5	0.5	63	0.2	0.7	22
11/15/2023 19:00	0.2	5.0	44	0.4	0.5	33	0.2	0.8	21
11/15/2023 18:30	5.3	5.3	40	0.4	0.4	97	0.2	1.3	22
11/15/2023 18:00	9.4	7.1	11	0.5	1.2	21	0.2	2.9	357
11/15/2023 17:30	2.4	6.3	30	0.4	1.4	32	0.2	2.0	20
11/15/2023 17:00	1.5	7.6	38	0.5	1.2	68	0.2	1.8	43
11/15/2023 16:30	1.9	8.4	30	0.5	2.1	46	0.4	2.6	29
11/15/2023 16:00	0.6	7.7	34	0.4	2.2	50	0.2	3.1	38
11/15/2023 15:30	0.2	8.0	49	0.4	2.6	49	0.4	3.0	47
11/15/2023 15:00	1.4	9.7	33	0.4	2.7	57	0.2	3.8	56
11/15/2023 14:30	2.8	10.6	21	0.5	3.0	30	0.2	4.1	24
11/15/2023 14:00	1.4	10.3	25	0.4	2.7	31	0.2	3.4	35
11/15/2023 13:30	1.5	12.1	28	0.4	3.4	44	0.2	4.2	44
11/15/2023 13:00	2.0	11.1	27	0.5	3.6	26	0.2	4.1	24
11/15/2023 12:30	0.8	12.1	31	0.5	3.2	38	0.2	4.5	32
11/15/2023 12:00	0.2	11.2	45	0.5	3.0	46	0.4	4.1	41
11/15/2023 11:30	0.2	9.6	45	0.6	2.9	63	0.4	3.1	56
11/15/2023 11:00	0.4	9.0	41	0.7	2.8	61	0.5	3.1	46
11/15/2023 10:30	0.4	7.0	45	0.7	2.2	52	0.5	2.4	40
11/15/2023 10:00	0.4	6.2	45	0.7	1.6	42	0.6	2.2	47
11/15/2023 9:30	0.2	4.8	60	0.7	1.6	51	0.6	2.3	57
11/15/2023 9:00	0.2	3.0	65	0.7	0.9	12	0.5	0.7	351
11/15/2023 8:30	1.2	3.5	47	0.6	0.9	358	0.4	0.4	333
11/15/2023 8:00	1.2	4.4	47	0.6	1.1	338	0.2	0.3	316
11/15/2023 7:30	0.8	5.1	49	0.6	1.2	335	0.2	0.3	293
11/15/2023 7:00	1.7	5.5	52	0.7	1.0	35	0.2	0.7	19
11/15/2023 6:30	4.6	1.6	71	0.6	0.6	36	0.4	0.4	326
11/15/2023 6:00	4.7	1.3	104	0.6	0.8	25	0.4	0.6	299
11/15/2023 5:30	6.6	1.2	190	0.6	0.6	29	0.5	0.6	332
11/15/2023 5:00	8.1	2.0	213	0.5	0.5	296	0.4	0.4	287
11/15/2023 4:30	12.3	0.9	179	0.5	1.0	345	0.4	0.5	303
11/15/2023 4:00	12.7	1.3	107	0.4	0.8	14	0.2	0.2	311
11/15/2023 3:30	6.2	1.0	95	0.4	0.9	6	0.2	0.3	346
11/15/2023 3:00	3.8	1.3	107	0.5	0.9	11	0.4	0.3	336
11/15/2023 2:30	2.0	1.3	73	0.5	1.1	316	0.4	0.4	271
11/15/2023 2:00	0.5	4.1	49	0.5	1.3	3	0.6	0.5	32
11/15/2023 1:30	4.4	3.7	56	0.7	2.0	5	AX	0.6	46
11/15/2023 1:00	2.5	1.3	107	AX	1.0	11	0.2	0.6	36
11/15/2023 0:30	AX	0.8	159	0.2	0.5	29	0.4	0.5	11

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
11/15/2023 0:00	2.6	1.4	202	0.2	0.4	6	0.5	0.5	302
11/14/2023 23:30	2.5	1.3	196	0.2	0.7	18	0.2	0.3	314
11/14/2023 23:00	2.3	1.3	182	0.4	0.3	349	0.2	0.3	1
11/14/2023 22:30	1.8	1.1	166	0.4	0.3	26	0.2	0.3	28
11/14/2023 22:00	1.5	0.8	116	0.4	0.6	347	0.2	0.4	357
11/14/2023 21:30	1.5	1.2	109	0.4	0.6	15	0.2	0.4	38
11/14/2023 21:00	2.0	1.1	97	0.4	0.9	10	0.2	0.4	10
11/14/2023 20:30	1.0	1.1	181	0.2	0.8	7	0.2	0.4	357
11/14/2023 20:00	1.4	1.2	190	0.2	0.3	23	0.2	0.4	11
11/14/2023 19:30	0.2	1.5	200	0.2	0.6	360	0.2	0.3	0
11/14/2023 19:00	0.2	1.0	179	0.5	1.0	26	0.2	0.5	29
11/14/2023 18:30	0.2	1.5	199	0.5	0.4	26	0.5	0.3	3
11/14/2023 18:00	0.2	2.2	201	0.5	0.2	43	0.7	0.3	14
11/14/2023 17:30	0.2	2.1	163	0.2	0.5	77	0.6	0.2	287
11/14/2023 17:00	0.2	2.7	106	0.2	0.9	76	0.4	0.4	1
11/14/2023 16:30	0.2	3.9	65	0.2	1.4	79	0.4	1.4	62
11/14/2023 16:00	0.2	5.1	33	0.2	2.2	57	0.2	3.2	27
11/14/2023 15:30	0.2	4.5	38	0.2	1.9	59	0.2	2.6	35
11/14/2023 15:00	0.2	6.9	27	0.2	3.1	42	0.2	3.4	48
11/14/2023 14:30	0.2	6.3	42	0.2	3.1	47	0.4	4.2	67
11/14/2023 14:00	0.4	8.8	49	0.2	3.1	71	0.2	3.7	48
11/14/2023 13:30	0.2	8.6	51	0.2	3.5	71	0.2	4.0	47
11/14/2023 13:00	0.4	11.9	30	0.4	3.5	49	0.2	5.0	59
11/14/2023 12:30	0.4	9.9	27	0.4	3.8	26	0.2	4.5	39
11/14/2023 12:00	0.4	10.0	25	0.2	4.0	27	0.2	4.7	52
11/14/2023 11:30	0.4	11.7	35	0.2	4.0	37	0.2	5.1	49
11/14/2023 11:00	0.2	10.0	42	0.5	3.1	56	0.2	4.5	41
11/14/2023 10:30	0.9	9.6	33	0.7	2.8	35	0.2	3.1	32
11/14/2023 10:00	0.9	5.4	50	0.9	1.9	49	0.2	2.5	30
11/14/2023 9:30	3.9	5.2	47	0.9	0.4	87	0.7	0.8	341
11/14/2023 9:00	22.9	2.2	37	0.7	0.2	48	0.7	0.8	334
11/14/2023 8:30	8.5	0.5	84	0.6	0.3	23	0.7	0.6	8
11/14/2023 8:00	2.0	1.1	135	0.5	0.4	38	0.7	0.2	40
11/14/2023 7:30	1.2	1.3	131	0.6	0.9	33	0.6	0.3	357
11/14/2023 7:00	0.9	3.5	61	0.6	0.9	18	0.6	0.2	334
11/14/2023 6:30	4.4	4.1	58	0.6	1.2	2	0.6	0.4	56
11/14/2023 6:00	6.2	3.4	60	0.7	1.4	39	0.7	0.4	11
11/14/2023 5:30	5.9	4.6	55	0.8	1.1	37	0.7	0.3	16
11/14/2023 5:00	14.4	3.0	70	0.7	1.3	51	0.7	0.4	331
11/14/2023 4:30	8.4	1.1	129	0.9	1.0	47	0.9	0.3	328
11/14/2023 4:00	5.0	1.1	91	0.9	0.8	4	1.1	0.2	357
11/14/2023 3:30	4.9	1.9	62	0.9	1.1	20	1.3	0.4	24
11/14/2023 3:00	11.9	2.0	60	1.1	0.2	28	1.0	0.7	44
11/14/2023 2:30	3.3	0.9	118	1.6	0.2	38	1.0	0.3	24
11/14/2023 2:00	3.1	1.0	134	1.5	0.2	41	2.0	0.6	26
11/14/2023 1:30	0.8	1.0	193	1.5	0.2	8	AX	0.2	339
11/14/2023 1:00	0.8	1.2	110	AX	0.2	16	2.1	0.3	39
11/14/2023 0:30	AX	1.1	184	1.5	0.2	29	2.3	0.4	13

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
11/14/2023 0:00	0.2	1.4	185	1.8	0.2	18	2.4	0.2	350
11/13/2023 23:30	0.2	1.5	198	2.7	0.2	25	2.2	0.4	33
11/13/2023 23:00	0.2	2.4	214	2.8	0.2	5	2.1	0.2	52
11/13/2023 22:30	0.2	2.6	206	2.5	0.2	24	2.4	0.3	102
11/13/2023 22:00	0.2	2.2	198	1.7	0.2	15	2.2	0.3	103
11/13/2023 21:30	0.2	2.6	185	1.4	0.2	25	1.6	0.3	80
11/13/2023 21:00	0.2	2.6	195	1.7	0.2	9	1.7	0.3	323
11/13/2023 20:30	0.2	1.6	190	2.1	0.2	21	3.7	0.3	3
11/13/2023 20:00	0.2	2.2	212	4.3	0.2	340	4.2	0.3	312
11/13/2023 19:30	0.2	2.2	213	2.7	0.2	288	3.1	0.3	327
11/13/2023 19:00	0.2	2.2	207	1.7	0.3	351	2.2	0.3	327
11/13/2023 18:30	0.2	2.7	210	1.8	0.4	135	1.6	0.3	269
11/13/2023 18:00	0.2	2.8	207	1.7	0.3	241	1.7	0.3	275
11/13/2023 17:30	0.2	2.3	202	1.8	0.3	161	1.5	0.5	280
11/13/2023 17:00	0.4	1.6	223	1.9	0.7	329	1.6	0.5	260
11/13/2023 16:30	0.2	1.6	236	1.7	1.5	214	0.7	0.4	211
11/13/2023 16:00	0.9	1.7	160	0.6	1.7	329	0.2	0.7	38
11/13/2023 15:30	1.6	1.7	298	0.5	2.2	298	0.5	1.9	207
11/13/2023 15:00	1.4	2.0	103	0.6	2.8	287	0.4	1.3	317
11/13/2023 14:30	2.0	2.6	161	0.5	2.7	284	0.4	1.6	8
11/13/2023 14:00	1.4	2.0	158	0.5	2.9	344	0.4	1.7	353
11/13/2023 13:30	0.2	2.9	155	0.8	2.6	270	0.2	1.5	337
11/13/2023 13:00	0.4	3.3	15	0.5	2.5	132	0.4	1.6	8
11/13/2023 12:30	0.7	2.6	47	0.6	2.2	109	0.2	1.8	27
11/13/2023 12:00	1.3	2.8	103	0.6	2.2	22	0.4	2.0	58
11/13/2023 11:30	2.1	3.3	23	0.6	2.8	33	0.2	2.9	18
11/13/2023 11:00	3.2	2.3	10	0.7	2.3	26	0.2	1.5	15
11/13/2023 10:30	2.4	2.6	6	0.9	1.5	31	0.2	1.2	2
11/13/2023 10:00	3.6	2.0	16	0.9	1.6	345	0.4	1.0	66
11/13/2023 9:30	7.7	2.1	26	0.9	1.8	30	0.9	1.5	13
11/13/2023 9:00	9.4	5.4	16	0.7	1.9	21	0.8	1.6	15
11/13/2023 8:30	10.8	3.6	39	0.6	0.7	3	0.7	1.4	359
11/13/2023 8:00	22.6	3.1	34	0.5	0.7	358	0.5	0.4	9
11/13/2023 7:30	13.2	2.4	58	0.6	1.2	23	0.5	0.5	40
11/13/2023 7:00	5.2	1.2	156	0.5	0.8	32	0.6	0.5	21
11/13/2023 6:30	5.8	1.1	162	0.5	0.9	10	0.5	0.4	13
11/13/2023 6:00	5.6	1.2	136	0.5	1.3	52	0.5	0.4	21
11/13/2023 5:30	7.9	1.7	57	0.5	1.2	58	0.5	0.5	347
11/13/2023 5:00	9.9	1.9	95	0.4	0.6	13	0.6	0.5	2
11/13/2023 4:30	6.7	1.4	122	0.4	0.6	12	0.6	0.3	296
11/13/2023 4:00	15.8	1.6	95	0.4	1.1	32	0.5	0.5	354
11/13/2023 3:30	16.1	0.9	172	0.4	0.2	16	0.4	0.2	56
11/13/2023 3:00	18.3	1.1	126	0.4	0.9	44	0.2	0.5	354
11/13/2023 2:30	17.9	1.0	122	0.5	0.5	35	0.2	0.4	324
11/13/2023 2:00	23.9	1.3	81	0.6	0.7	52	0.7	0.4	24
11/13/2023 1:30	11.4	1.1	104	0.7	0.6	28	AX	0.2	319
11/13/2023 1:00	5.4	1.5	100	AX	1.2	8	0.2	0.3	349
11/13/2023 0:30	AX	1.7	76	0.2	0.9	21	0.2	0.4	30

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
11/13/2023 0:00	5.4	2.1	92	0.2	1.3	7	0.2	0.4	16
11/12/2023 23:30	5.5	0.9	137	0.2	1.3	26	0.4	0.6	35
11/12/2023 23:00	5.9	1.2	117	0.2	1.4	52	0.4	0.9	33
11/12/2023 22:30	8.1	1.0	132	0.2	0.7	21	0.2	0.7	11
11/12/2023 22:00	4.8	1.4	152	0.2	0.6	5	0.2	0.3	344
11/12/2023 21:30	3.1	1.1	166	0.2	1.2	23	0.2	0.3	332
11/12/2023 21:00	4.4	1.5	102	0.2	1.6	27	0.2	0.2	38
11/12/2023 20:30	2.4	0.8	161	0.4	1.3	35	0.2	0.3	3
11/12/2023 20:00	2.6	1.1	157	0.4	0.8	46	0.2	0.3	13
11/12/2023 19:30	1.2	1.2	112	0.5	1.1	37	0.2	0.4	333
11/12/2023 19:00	0.4	1.4	185	0.6	0.6	38	0.4	0.3	10
11/12/2023 18:30	0.2	1.1	186	0.6	0.7	47	0.4	0.4	344
11/12/2023 18:00	0.2	1.0	162	0.5	0.8	51	0.4	0.2	348
11/12/2023 17:30	0.2	3.5	62	0.4	0.4	61	0.4	0.5	22
11/12/2023 17:00	1.0	8.0	30	0.4	1.3	60	0.2	2.7	38
11/12/2023 16:30	0.2	10.0	31	0.4	2.2	46	0.2	3.8	45
11/12/2023 16:00	0.2	10.5	41	0.4	3.1	54	0.2	3.4	44
11/12/2023 15:30	0.7	9.6	36	0.4	3.2	50	0.2	3.7	41
11/12/2023 15:00	0.2	10.7	38	0.2	3.0	62	0.2	4.2	40
11/12/2023 14:30	0.2	7.7	52	0.2	2.6	44	0.2	3.2	55
11/12/2023 14:00	0.4	11.2	38	0.4	3.2	51	0.2	4.6	56
11/12/2023 13:30	0.5	7.7	38	0.4	2.6	48	0.2	3.5	39
11/12/2023 13:00	0.6	8.4	34	0.4	2.9	38	0.2	3.7	28
11/12/2023 12:30	1.1	9.1	27	0.4	2.9	24	0.2	4.2	41
11/12/2023 12:00	1.2	14.4	32	0.4	3.6	52	0.2	5.1	39
11/12/2023 11:30	0.2	12.9	38	0.5	3.6	51	0.2	4.9	41
11/12/2023 11:00	0.9	11.5	34	0.4	2.5	52	0.2	3.7	38
11/12/2023 10:30	0.8	12.5	38	0.5	2.7	54	0.2	4.3	33
11/12/2023 10:00	1.4	10.3	34	0.5	2.8	47	0.2	3.6	45
11/12/2023 9:30	2.3	10.5	27	0.4	2.6	40	0.4	3.8	25
11/12/2023 9:00	2.6	9.8	28	0.5	2.9	34	0.5	3.4	24
11/12/2023 8:30	4.4	7.1	31	0.6	1.3	53	0.4	2.1	26
11/12/2023 8:00	11.8	5.9	14	0.5	0.4	23	0.4	1.5	355
11/12/2023 7:30	2.5	8.0	29	0.5	0.6	44	0.2	2.0	6
11/12/2023 7:00	13.9	7.0	22	0.5	0.8	71	0.4	2.6	11
11/12/2023 6:30	2.0	5.2	44	0.5	0.6	27	0.4	1.8	12
11/12/2023 6:00	0.2	1.5	90	0.5	0.4	6	0.4	0.5	349
11/12/2023 5:30	0.2	1.8	85	0.4	0.4	44	0.4	0.9	32
11/12/2023 5:00	0.2	1.6	93	0.5	0.3	36	0.4	0.7	352
11/12/2023 4:30	0.2	1.2	149	0.6	0.3	299	0.5	0.5	238
11/12/2023 4:00	0.2	1.6	126	0.6	0.4	31	0.6	0.7	228
11/12/2023 3:30	0.2	1.5	97	0.6	0.4	355	0.7	0.4	168
11/12/2023 3:00	0.2	1.3	148	0.7	0.4	356	0.7	0.4	245
11/12/2023 2:30	0.2	1.0	135	0.8	0.3	37	1.5	0.5	217
11/12/2023 2:00	0.6	1.3	116	1.6	0.3	56	BF	0.5	324
11/12/2023 1:30	1.4	2.6	74	BF	0.2	90	BF	0.4	143
11/12/2023 1:00	BF	4.0	36	BF	0.3	88	0.4	0.4	304
11/12/2023 0:30	BF	3.6	42	0.4	0.5	59	0.2	0.4	276

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
11/12/2023 0:00	1.1	5.0	44	0.5	0.4	73	0.4	1.3	14
11/11/2023 23:30	1.6	6.4	31	0.4	0.6	47	0.4	2.0	16
11/11/2023 23:00	1.4	6.5	36	0.4	1.0	58	0.2	1.8	31
11/11/2023 22:30	1.5	7.0	32	0.4	1.1	44	0.2	1.9	27
11/11/2023 22:00	0.6	6.9	35	0.4	0.7	51	0.2	1.8	36
11/11/2023 21:30	1.8	7.6	31	0.5	1.1	38	0.2	2.1	22
11/11/2023 21:00	1.8	8.5	32	0.5	1.3	45	0.2	2.3	32
11/11/2023 20:30	1.4	8.0	33	0.5	1.1	47	0.4	2.6	30
11/11/2023 20:00	0.9	6.2	36	0.5	0.9	54	0.5	1.7	25
11/11/2023 19:30	2.0	6.8	33	0.4	1.1	37	0.5	1.4	21
11/11/2023 19:00	1.0	7.6	34	0.4	1.0	46	0.4	1.6	21
11/11/2023 18:30	0.5	6.1	36	0.5	0.9	45	0.2	1.9	42
11/11/2023 18:00	0.5	5.4	41	0.5	0.8	53	0.4	1.0	38
11/11/2023 17:30	1.6	7.4	33	0.5	1.4	39	0.4	1.6	28
11/11/2023 17:00	1.0	7.5	33	0.5	1.1	48	0.2	1.8	29
11/11/2023 16:30	2.4	6.3	34	0.5	1.0	59	0.4	1.7	29
11/11/2023 16:00	1.5	7.3	35	0.5	1.3	55	0.4	1.9	31
11/11/2023 15:30	6.0	8.8	20	0.5	2.0	28	0.5	2.4	20
11/11/2023 15:00	2.4	7.4	28	0.5	2.2	33	0.4	2.1	25
11/11/2023 14:30	2.5	9.4	28	0.5	2.0	34	0.2	2.2	36
11/11/2023 14:00	3.9	8.1	20	0.5	2.4	18	0.4	2.3	25
11/11/2023 13:30	1.6	8.4	33	0.5	1.5	40	0.4	2.5	32
11/11/2023 13:00	2.9	9.6	26	0.6	2.4	28	0.5	3.0	32
11/11/2023 12:30	0.8	8.8	34	0.6	2.3	30	0.4	3.0	41
11/11/2023 12:00	1.5	8.5	37	0.5	2.3	48	0.5	3.1	28
11/11/2023 11:30	1.5	9.9	31	0.5	2.2	29	0.4	2.8	35
11/11/2023 11:00	0.6	6.9	29	0.5	1.6	44	0.2	2.4	42
11/11/2023 10:30	0.8	6.7	39	0.5	1.3	27	0.2	2.0	37
11/11/2023 10:00	0.5	7.4	36	0.6	1.4	43	0.4	2.2	42
11/11/2023 9:30	4.7	7.6	31	0.6	1.1	51	0.4	2.1	34
11/11/2023 9:00	4.3	7.0	24	0.5	1.5	27	0.4	2.0	15
11/11/2023 8:30	1.0	7.0	34	0.5	1.2	40	0.2	1.6	31
11/11/2023 8:00	2.1	7.0	39	0.5	1.0	51	0.2	1.4	27
11/11/2023 7:30	2.8	8.0	32	0.5	1.1	41	0.2	2.2	24
11/11/2023 7:00	5.2	8.7	33	0.5	1.2	54	0.2	2.0	28
11/11/2023 6:30	7.2	8.3	26	0.5	1.3	32	0.2	2.3	18
11/11/2023 6:00	0.6	6.5	43	0.5	0.7	56	0.2	1.5	23
11/11/2023 5:30	0.7	6.3	47	0.5	0.5	68	0.2	1.5	16
11/11/2023 5:00	5.5	6.4	42	0.6	0.3	65	0.2	0.9	36
11/11/2023 4:30	2.3	7.9	30	0.5	1.1	46	0.4	1.9	36
11/11/2023 4:00	1.2	8.9	33	0.5	2.1	44	0.2	2.8	28
11/11/2023 3:30	1.0	9.6	36	0.5	1.8	55	0.2	2.6	43
11/11/2023 3:00	3.7	12.9	27	0.5	2.9	35	0.2	4.3	31
11/11/2023 2:30	3.2	11.7	28	0.5	3.4	27	0.2	3.6	33
11/11/2023 2:00	2.3	11.3	31	0.6	2.2	45	0.7	3.7	32
11/11/2023 1:30	4.2	10.5	25	0.8	3.5	32	AX	3.6	29
11/11/2023 1:00	1.5	11.1	31	AX	2.4	43	0.2	3.4	32
11/11/2023 0:30	AX	9.7	34	0.5	2.0	49	0.2	3.2	30

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
11/11/2023 0:00	1.3	9.9	32	0.5	1.8	44	0.2	3.0	37
11/10/2023 23:30	4.4	10.0	26	0.5	2.1	37	0.2	3.0	36
11/10/2023 23:00	1.7	10.0	31	0.5	2.4	35	0.5	3.1	29
11/10/2023 22:30	2.1	11.2	26	0.5	2.5	36	0.2	3.3	33
11/10/2023 22:00	0.9	9.5	38	0.5	2.1	44	0.4	2.9	31
11/10/2023 21:30	1.8	12.6	30	0.5	2.7	38	0.2	4.0	39
11/10/2023 21:00	4.2	13.2	26	0.4	3.0	36	0.2	4.1	33
11/10/2023 20:30	1.7	12.7	31	0.5	2.4	44	0.4	3.8	29
11/10/2023 20:00	2.3	13.0	28	0.7	2.8	46	0.4	4.5	31
11/10/2023 19:30	2.0	12.5	31	0.7	2.7	39	0.4	3.9	35
11/10/2023 19:00	1.6	11.4	35	0.7	2.6	49	0.4	3.7	37
11/10/2023 18:30	2.0	12.4	33	0.6	2.3	50	0.2	4.1	39
11/10/2023 18:00	2.7	14.1	29	0.7	3.0	42	0.2	4.1	32
11/10/2023 17:30	1.9	11.9	34	0.5	2.1	55	0.4	3.3	44
11/10/2023 17:00	2.2	11.7	33	0.5	2.8	40	0.5	3.2	35
11/10/2023 16:30	1.9	14.6	38	0.6	3.8	44	0.5	4.1	38
11/10/2023 16:00	5.4	15.1	28	0.6	3.7	38	0.4	5.3	28
11/10/2023 15:30	9.8	14.1	21	0.7	4.5	32	0.5	4.9	26
11/10/2023 15:00	3.1	15.5	4	0.7	5.4	3	0.5	6.5	5
11/10/2023 14:30	0.7	7.1	332	0.7	4.1	329	0.4	2.5	345
11/10/2023 14:00	0.4	3.8	285	1.0	3.6	278	0.5	0.5	294
11/10/2023 13:30	0.2	4.5	277	3.6	4.1	275	0.5	0.8	295
11/10/2023 13:00	0.5	5.1	240	14.1	5.8	245	0.6	2.3	270
11/10/2023 12:30	0.4	6.1	235	7.0	6.8	237	0.9	3.6	253
11/10/2023 12:00	0.2	7.7	227	5.6	6.3	235	2.1	3.0	252
11/10/2023 11:30	0.4	9.4	224	1.5	7.9	237	4.6	3.2	239
11/10/2023 11:00	0.5	7.8	221	1.5	6.3	229	5.0	3.9	236
11/10/2023 10:30	1.0	6.3	202	0.6	4.6	208	1.8	3.2	202
11/10/2023 10:00	1.1	5.4	197	0.6	3.9	212	6.1	2.9	193
11/10/2023 9:30	1.0	5.3	212	0.7	3.6	223	9.3	2.2	197
11/10/2023 9:00	1.2	4.9	213	0.6	3.5	219	10.1	2.8	201
11/10/2023 8:30	1.3	4.7	208	0.6	2.8	223	18.8	2.4	205
11/10/2023 8:00	1.5	4.7	205	0.6	2.4	220	4.7	2.2	199
11/10/2023 7:30	1.0	4.2	194	0.6	1.1	196	0.8	1.7	189
11/10/2023 7:00	1.4	4.0	197	0.6	0.8	166	2.8	1.0	177
11/10/2023 6:30	0.5	4.1	204	0.7	0.8	216	0.8	0.7	187
11/10/2023 6:00	1.5	2.7	198	0.7	0.5	150	0.7	0.7	167
11/10/2023 5:30	0.7	2.5	202	0.7	0.5	102	0.7	0.7	173
11/10/2023 5:00	0.2	3.3	202	0.7	0.6	46	0.7	0.4	163
11/10/2023 4:30	0.7	4.0	195	0.6	0.6	58	0.6	0.3	164
11/10/2023 4:00	1.7	3.0	189	0.6	0.5	78	0.7	0.4	182
11/10/2023 3:30	0.4	2.1	195	0.6	0.7	79	0.7	0.3	155
11/10/2023 3:00	0.8	2.0	189	0.7	0.7	105	0.7	0.2	189
11/10/2023 2:30	0.9	2.5	189	0.7	0.7	130	0.6	0.3	157
11/10/2023 2:00	0.4	3.1	194	0.7	1.2	156	0.7	0.8	169
11/10/2023 1:30	0.5	3.2	193	0.8	1.5	180	AX	1.1	189
11/10/2023 1:00	0.6	3.7	188	AX	1.4	184	0.4	0.8	180
11/10/2023 0:30	AX	3.8	196	0.5	1.2	186	1.1	1.3	180

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