



HF SINCLAIR BRANDS

O. Reg. 88/22: Air Pollution – Discharge of Sulphur Dioxide from Petroleum Facilities

Petro-Canada Lubricants Inc., O. Reg. 88/22 s.34(2) Public Report for Q4, 2024

February 21, 2025

This report is being made pursuant to section 34(2) of Ontario Regulation 88/22, and provides a public posting of the following information:

1. The date and time period of any contraventions of sections 8 to 16.
2. A summary of any measures identified under paragraph 6 of section 32 that were implemented at the facility during the quarter, their implementation dates and an assessment of their effectiveness.
3. The information required under paragraphs 1 to 3 of section 38.
4. The records required under paragraphs 3 and 5 of section 39.
5. The information required under paragraphs 1 and 3 of subsection 40(2).

The sections covered under conditions 34(2) paragraphs 1 and 2 are not yet in force; therefore, no information is provided.

Continuous Monitoring Reporting

The records required under paragraphs 1 to 3 of section 38 are presented in Appendix A.

Community Monitoring Reporting

The records required under paragraph 3 of section 39 are presented in Table 1 and Table 2 below.

Table 1: Determinations of SO₂ Concentrations Exceeding 200 ppb Averaged Over a Five-Minute Period

Exceedance ID	Monitoring Station ID	Date	Time	Concentration (ppb by volume)
No exceedances in the reporting period				

Table 2: Determinations of SO₂ Concentrations Exceeding 120 ppb Averaged Over a One-Hour Period

Exceedance ID	Monitoring Station ID	Date	Time	Concentration (ppb by volume)
No exceedances in the reporting period				

For the reporting period, no concentrations were reportable under paragraph 3 of section 39. Therefore, no information is required to be reported under paragraph 5 of section 39. Petro-Canada Lubricants Inc. has an approved Community Monitoring Plan prepared in accordance with the requirements of section 27 of O. Reg. 88/22.

Petro-Canada Lubricants Inc. has not received a written notice from the Director under section 40(1); therefore, no information is provided pursuant to section 34(2) 5.

Appendix A

The following Data file contains:

- Main (North and South) Stack CEMs data,
 - Corrected for the commissioning RATA correction factors.
 - Air and Moisture Free SO₂ Concentrations for the North and South Stacks based on that data.
- Fuel Gas H₂S Concentration Estimate Calculations
 - This is based on the North Stack CEMs data, and fuel firing data, and validated lab results.
 - Note, the Fuel Firing data sources do not have a rigorous QA/QC program and as such, the Fuel H₂S estimate is prone to some degree of error, as evidenced by the bias correction factors applied based on Lab feedback.
- Flare Operating Parameters
 - Only periods of Flare Activation are analyzed.
 - Flare activation is estimated by flare header pressure. The activation pressures can change in time based on plant operational needs.
 - Validated, moisture-corrected Flare Gas analysis.
 - Estimated Steam Rates. Estimate is based on controller output, actual steam rates can vary based a number of variables such as steam header pressure, control valve performance, and temperature, none of which can be accounted for.

Stack CEMS Data

Timestamp	North Stack						North Stack SO2			South Stack						South Stack SO2		
	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%		1Hr	3hr Avg	365Day Avg	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%		1 Hr	3hr Avg	365Day Avg
							Air, H2O Corrected ppmv	ppmv	ppmv							Air, H2O Corrected ppmv	ppmv	ppmv
7/1/24 0:00	7.15	272.80	20.90	4.62	15.95		33.71	33.71	33.71	1.24	421.87	390.59	17.01	6.24		3058	3058	2909
7/1/24 1:00	7.11	271.50	30.13	4.70	16.06		48.84	41.27	41.27	1.23	422.34	390.29	16.99	6.30		3051	3058	3058
7/1/24 2:00	7.12	270.68	36.92	4.56	16.28		59.55	47.37	47.37	1.23	421.58	380.25	17.02	6.25		2992	3055	3055
7/1/24 3:00	7.12	270.51	32.89	4.51	16.26		52.81	53.73	48.73	1.23	420.37	375.59	17.01	6.21		2940	3034	3034
7/1/24 4:00	7.12	269.97	31.90	4.47	16.18		51.03	54.46	49.19	1.24	419.04	362.99	17.03	6.16		2847	2994	3010
7/1/24 5:00	7.11	269.97	34.21	4.46	16.27		54.73	52.86	50.11	1.25	418.56	362.77	17.02	6.16		2838	2926	2978
7/1/24 6:00	7.09	270.39	36.14	4.55	16.32		58.30	54.69	51.28	1.27	418.28	361.71	17.04	6.13		2838	2875	2954
7/1/24 7:00	7.10	271.11	36.87	4.59	16.19		59.42	57.48	52.30	1.30	418.02	374.61	17.02	6.15		2926	2841	2938
7/1/24 8:00	7.10	273.15	34.76	4.46	16.41		55.75	57.82	52.68	1.29	420.20	390.25	17.00	6.19		3038	2867	2936
7/1/24 9:00	7.09	275.01	34.81	4.45	16.44		55.82	57.00	53.00	1.30	423.19	405.05	17.00	6.16		3143	2934	2948
7/1/24 10:00	7.03	279.38	34.62	4.41	16.44		55.33	55.64	53.21	1.31	424.91	416.11	17.02	6.12		3247	3036	2967
7/1/24 11:00	6.98	278.89	34.08	4.56	16.76		55.39	55.52	53.39	1.29	425.97	415.99	17.03	6.19		3269	3143	2993
7/1/24 12:00	7.18	277.16	31.78	4.59	16.46		51.54	54.09	53.25	1.21	431.85	413.30	16.97	6.40		3228	3220	3016
7/1/24 13:00	7.11	275.07	31.11	4.51	16.34		49.92	52.29	53.01	1.22	430.93	400.54	16.99	6.46		3176	3248	3032
7/1/24 14:00	7.04	273.88	31.26	4.43	16.60		50.18	50.55	52.82	1.22	428.02	405.10	16.99	6.49		3212	3224	3042
7/1/24 15:00	7.04	273.81	27.63	4.51	16.56		44.59	48.23	52.31	1.22	426.37	403.22	17.00	6.49		3205	3205	3054
7/1/24 16:00	7.04	274.26	27.64	4.61	16.55		44.94	46.57	51.87	1.21	426.36	398.51	17.00	6.40		3158	3198	3063
7/1/24 17:00	7.03	274.57	27.14	4.56	16.59		43.99	44.51	51.44	1.22	427.16	408.23	16.97	6.48		3211	3191	3069
7/1/24 18:00	7.08	273.86	27.67	4.61	16.60		45.02	44.65	51.10	1.22	427.92	406.03	16.96	6.57		3208	3191	3077
7/1/24 19:00	7.06	273.31	28.59	4.57	16.60		46.38	45.13	50.86	1.21	428.69	417.01	16.96	6.50		3277	3192	3083
7/1/24 20:00	6.99	272.88	30.22	4.61	16.52		49.11	46.83	50.78	1.21	428.94	419.14	16.98	6.44		3294	3232	3093
7/1/24 21:00	7.06	272.13	30.74	4.63	16.54		50.08	48.52	50.75	1.21	430.63	414.96	16.98	6.41		3260	3260	3103
7/1/24 22:00	7.06	271.70	31.19	4.59	16.57		50.67	49.95	50.74	1.20	430.20	415.30	16.99	6.41		3277	3277	3110
7/1/24 23:00	7.02	272.25	30.83	4.53	16.66		49.91	50.22	50.71	1.20	428.46	403.75	17.01	6.38		3201	3277	3117
7/2/24 0:00	6.82	273.17	27.74	4.55	16.67		44.97	48.52	50.48	1.20	428.38	405.51	16.95	6.45		3157	3246	3121
7/2/24 1:00	6.87	271.88	28.69	4.63	16.55		46.66	47.18	50.33	1.22	430.51	411.94	16.93	6.54		3210	3212	3122
7/2/24 2:00	6.90	271.15	29.93	4.54	16.74		48.57	46.73	50.27	1.21	430.51	411.31	16.95	6.53		3220	3190	3125
7/2/24 3:00	6.90	271.48	31.92	4.58	16.71		51.92	49.05	50.33	1.23	428.66	407.13	16.97	6.44		3197	3196	3129
7/2/24 4:00	6.96	270.87	31.50	4.58	16.78		51.28	50.59	50.36	1.24	426.50	417.26	16.95	6.49		3254	3209	3131
7/2/24 5:00	6.95	270.61	29.90	4.72	16.82		49.27	50.82	50.32	1.21	427.38	412.56	16.95	6.52		3233	3224	3136
7/2/24 6:00	6.96	271.09	28.89	4.75	16.55		47.49	49.35	50.23	1.23	426.96	403.57	16.96	6.49		3162	3228	3139
7/2/24 7:00	7.04	270.69	42.87	4.78	16.57		70.55	55.77	50.87	1.24	428.27	414.50	16.92	6.53		3219	3217	3140
7/2/24 8:00	6.98	271.38	52.84	4.65	16.90		86.67	68.24	51.95	1.22	431.18	417.38	16.90	6.54		3219	3205	3142
7/2/24 9:00	6.97	272.42	55.19	4.64	16.81		90.41	82.55	53.08	1.22	432.98	416.24	16.90	6.61		3218	3200	3145
7/2/24 10:00	6.95	275.08	55.92	4.98	16.74		94.09	90.39	54.25	1.22	432.95	417.75	16.89	6.66		3230	3219	3147
7/2/24 11:00	7.10	272.44	57.67	5.20	16.15		97.62	94.04	55.46	1.26	430.72	416.24	16.87	6.79		3231	3222	3149
7/2/24 12:00	7.23	272.57	56.24	4.64	16.32		91.33	94.35	56.43	1.28	428.60	417.53	16.86	6.88		3259	3226	3151
7/2/24 13:00	6.85	273.04	65.86	4.66	16.47		107.20	98.72	57.76	1.27	428.05	419.42	16.87	6.88		3276	3240	3154
7/2/24 14:00	6.90	273.74	61.23	4.52	16.77		99.24	99.26	58.83	1.26	428.70	421.48	16.85	6.90		3282	3255	3157
7/2/24 15:00	6.87	274.44	54.46	4.47	16.83		88.02	98.16	59.56	1.24	429.10	418.51	16.86	6.89		3264	3272	3161
7/2/24 16:00	6.86	273.92	53.90	4.51	17.03		87.67	91.64	60.24	1.25	428.74	414.19	16.85	6.92		3225	3274	3163
7/2/24 17:00	6.88	273.42	47.79	4.49	17.05		77.62	84.44	60.66	1.29	427.02	411.39	16.89	6.85		3228	3257	3165
7/2/24 18:00	6.90	273.79	43.10	4.47	17.01		69.85	78.38	60.87	1.31	425.91	412.02	16.90	6.78		3231	3239	3166
7/2/24 19:00	6.94	273.23	30.57	4.40	16.89		49.22	65.56	60.61	1.28	425.35	409.82	16.88	6.79		3193	3228	3168
7/2/24 20:00	6.88	271.95	20.73	4.29	16.78		33.03	50.70	59.99	1.27	425.28	412.35	16.87	6.83		3211	3217	3168
7/2/24 21:00	6.60	271.63	23.60	4.36	16.90		37.86	40.04	59.51	1.27	425.33	412.35	16.86	6.85		3210	3211	3169
7/2/24 22:00	6.86	272.33	19.95	4.36	16.86		31.96	34.28	58.93	1.30	425.83	413.62	16.88	6.82		3228	3204	3170
7/2/24 23:00	6.93	274.66	18.06	4.41	16.86		29.06	32.96	58.30	1.30	425.68	409.25	16.88	6.80		3190	3216	3171
7/3/24 0:00	7.05	271.88	17.33	4.38	17.02		27.89	29.64	57.68	1.29	425.64	410.86	16.85	6.85		3184	3209	3172
7/3/24 1:00	6.98	270.63	18.82	4.52	16.82		30.46	29.14	57.14	1.26	425.91	412.78	16.81	6.94		3172	3201	3172
7/3/24 2:00	7.26	270.29	16.84	4.48	17.06		27.34	28.56	56.55	1.23	427.11	414.30	16.80	6.98		3188	3182	3172
7/3/24 3:00	7.27	269.66	15.63	4.48	17.10		25.39	27.73	55.95	1.22	428.43	411.96	16.81	7.00		3183	3181	3172
7/3/24 4:00	7.30	268.98	15.87	4.50	17.09		25.82	26.18	55.39	1.21	429.00	419.97	16.80	7.01		3232	3181	3173
7/3/24 5:00	7.36	268.60	16.95	4.50	17.11		27.58	26.26	54.87	1.19	429.62	421.29	16.80	7.00		3239	3201	3174
7/3/24 6:00	7.33	269.40	16.69	4.52	17.07		27.18	26.86	54.37	1.19	430.55	421.90	16.80	6.99		3243	3218	3175
7/3/24 7:00	7.32	269.93	20.99	4.61	16.96		34.28	29.68	54.01	1.19	431.65	435.53	16.75	7.03		3303	3238	3176
7/3/24 8:00	7.32	268.65	20.77	4.54	17.15		33.92	31.79	53.66	1.20	435.10	425.32	16.78	6.96		3243	3261	3178
7/3/24 9:00	7.30	271.49	20.57	4.57	17.15		33.67	33.96	53.31	1.21	436.64	428.25	16.81	6.99		3300	3263	3179
7/3/24 10:00	7.30	274.48	20.74	4.66	17.30		34.27	33.95	52.99	1.21	434.00	434.32	16.82	7.04		3375	3282	3182
7/3/24 11:00	7.35	274.90	19.12	4.51	17.10		31.13	33.02	52.63	1.20	431.65	418.39	16.82	7.05		3252	3306	3185
7/3/24 12:00	7.23	275.26	19.85	4.51	17.11		32.33	32.57	52.29	1.20	430.58	408.40	16.81	7.14		3190	3309	3186
7/3/24 13:00	7.19	278.47	19.91	4.58	16.91		32.43	31.96	51.97	1.20	428.87	406.81	16.80	7.20		3172	3273	3186
7/3/24 14:00	7.23	280.37	20.30	4.52	17.10		33.08	32.61	51.67	1.22	428.25	402.72	16.80					

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
7/4/24 12:00	7.32	279.65	32.94	4.73	16.87	54.34	54.77	49.49	1.19	438.14	419.39	16.81	7.16	3279	3148	3208
7/4/24 13:00	7.21	278.95	33.70	4.81	16.67	55.65	55.23	49.57	1.19	439.02	420.56	16.84	7.10	3304	3231	3209
7/4/24 14:00	7.23	279.66	30.97	4.82	16.79	51.40	53.80	49.59	1.18	436.71	409.09	16.86	7.09	3244	3272	3210
7/4/24 15:00	7.19	279.97	32.83	4.66	16.91	53.89	53.65	49.64	1.17	435.29	405.63	16.84	7.15	3205	3276	3211
7/4/24 16:00	7.19	279.70	31.14	4.57	16.89	50.77	52.02	49.65	1.17	434.65	408.86	16.83	7.18	3220	3251	3211
7/4/24 17:00	7.18	279.17	28.29	4.73	16.83	46.66	50.44	49.62	1.16	435.44	408.12	16.82	7.23	3217	3223	3211
7/4/24 18:00	7.16	279.93	28.99	4.66	16.87	47.56	48.33	49.59	1.15	437.11	407.31	16.80	7.24	3189	3214	3211
7/4/24 19:00	7.20	280.82	24.28	4.56	16.86	39.54	44.59	49.48	1.15	436.91	401.43	16.79	7.24	3138	3209	3210
7/4/24 20:00	7.28	280.54	18.65	4.67	16.70	30.54	39.21	49.28	1.16	436.82	399.69	16.79	7.27	3130	3181	3210
7/4/24 21:00	7.28	280.90	22.36	4.68	16.58	36.57	35.55	49.14	1.20	435.62	400.01	16.79	7.21	3117	3153	3209
7/4/24 22:00	7.27	281.06	27.61	4.61	16.49	44.86	37.32	49.10	1.22	434.25	402.98	16.83	7.10	3166	3129	3208
7/4/24 23:00	7.34	281.38	30.44	4.59	16.53	49.41	43.61	49.10	1.21	434.20	404.95	16.87	6.98	3197	3138	3207
7/5/24 0:00	7.32	280.59	31.60	4.61	16.49	51.33	48.53	49.13	1.19	434.68	405.74	16.89	6.91	3210	3160	3207
7/5/24 1:00	7.27	279.52	29.97	4.67	16.42	48.73	49.82	49.12	1.21	433.28	400.21	16.92	6.84	3183	3191	3207
7/5/24 2:00	7.32	278.48	30.41	4.59	16.57	49.37	49.81	49.12	1.23	433.01	402.68	16.91	6.87	3194	3197	3207
7/5/24 3:00	7.25	277.95	30.62	4.56	16.47	49.52	49.20	49.13	1.22	431.77	403.94	16.90	6.92	3205	3196	3207
7/5/24 4:00	7.21	277.79	31.60	4.56	16.44	51.11	50.00	49.15	1.25	431.00	401.33	16.89	6.94	3179	3194	3207
7/5/24 5:00	7.20	277.07	30.68	4.55	16.73	49.79	50.14	49.15	1.20	431.68	401.87	16.89	6.96	3181	3193	3207
7/5/24 6:00	7.24	277.13	28.09	4.60	16.99	45.95	48.95	49.12	1.24	430.81	405.67	16.87	6.98	3196	3188	3206
7/5/24 7:00	7.38	279.00	26.05	4.65	16.74	42.54	46.09	49.06	1.24	430.80	410.25	16.84	7.02	3210	3185	3206
7/5/24 8:00	7.38	280.69	26.11	4.56	16.91	42.55	43.68	49.00	1.25	432.13	414.44	16.84	6.98	3235	3195	3206
7/5/24 9:00	7.33	281.75	27.20	4.74	16.85	44.91	43.33	48.96	1.20	434.55	423.60	16.84	6.99	3309	3213	3207
7/5/24 10:00	7.44	283.60	26.97	4.83	16.92	44.88	44.11	48.92	1.18	437.32	419.95	16.85	7.02	3299	3251	3208
7/5/24 11:00	7.53	282.10	26.56	4.83	16.63	44.00	44.59	48.88	1.19	440.04	419.40	16.84	7.07	3290	3281	3208
7/5/24 12:00	7.49	280.89	26.81	4.67	16.78	43.97	44.28	48.83	1.18	441.08	425.25	16.87	6.99	3349	3299	3209
7/5/24 13:00	7.41	282.41	27.53	4.59	16.70	44.70	44.22	48.79	1.19	439.92	422.35	16.89	7.01	3356	3313	3210
7/5/24 14:00	7.35	282.01	26.51	4.52	16.87	43.04	43.90	48.74	1.18	437.50	418.09	16.89	6.91	3308	3332	3212
7/5/24 15:00	7.32	280.53	25.88	4.52	16.84	41.99	43.24	48.68	1.18	438.40	424.28	16.88	6.90	3335	3338	3213
7/5/24 16:00	7.31	280.08	25.38	4.56	16.86	41.32	42.11	48.62	1.17	440.54	429.22	16.87	6.94	3378	3333	3214
7/5/24 17:00	7.33	278.33	28.98	4.57	16.93	47.27	43.53	48.60	1.16	438.25	417.30	16.92	6.95	3337	3340	3215
7/5/24 18:00	7.28	279.06	27.01	4.57	16.91	44.06	44.22	48.56	1.20	432.90	403.00	16.84	7.13	3180	3350	3216
7/5/24 19:00	7.31	280.00	23.67	4.53	16.98	38.50	43.28	48.48	1.18	432.33	408.29	16.82	7.18	3208	3298	3216
7/5/24 20:00	7.32	279.56	21.38	4.54	16.99	34.82	39.13	48.36	1.18	433.54	409.42	16.80	7.26	3218	3242	3216
7/5/24 21:00	7.36	278.97	20.08	4.52	16.96	32.64	35.32	48.23	1.18	435.44	420.20	16.79	7.27	3295	3202	3216
7/5/24 22:00	7.35	280.77	20.60	4.52	16.92	33.48	33.65	48.10	1.18	435.48	420.56	16.78	7.34	3299	3240	3217
7/5/24 23:00	7.34	279.02	20.74	4.52	16.92	33.69	33.27	47.98	1.18	436.66	423.47	16.77	7.34	3307	3271	3217
7/6/24 0:00	7.33	278.18	20.92	4.50	16.93	33.93	33.70	47.87	1.19	436.71	434.54	16.75	7.38	3379	3300	3218
7/6/24 1:00	7.36	277.34	22.77	4.58	16.66	36.91	34.85	47.78	1.17	436.24	427.03	16.79	7.30	3349	3328	3219
7/6/24 2:00	7.33	276.93	22.96	4.55	16.74	37.27	36.04	47.69	1.18	435.71	420.67	16.79	7.26	3296	3345	3220
7/6/24 3:00	7.36	276.23	22.88	4.55	16.68	37.12	37.10	47.61	1.18	435.23	419.95	16.81	7.22	3292	3341	3221
7/6/24 4:00	7.35	276.16	23.15	4.54	16.70	37.54	37.31	47.53	1.18	434.21	421.28	16.81	7.19	3305	3312	3222
7/6/24 5:00	7.33	275.21	22.60	4.54	16.77	36.69	37.12	47.44	1.20	434.77	416.85	16.82	7.21	3282	3298	3222
7/6/24 6:00	7.31	274.99	20.64	4.57	16.72	33.56	35.93	47.33	1.19	434.32	418.34	16.82	7.20	3298	3293	3223
7/6/24 7:00	7.31	275.62	19.85	4.71	16.50	32.42	34.22	47.21	1.18	432.33	422.20	16.82	7.20	3321	3295	3223
7/6/24 8:00	7.31	277.40	19.24	4.66	16.68	31.47	32.48	47.09	1.18	431.90	408.25	16.82	7.16	3200	3300	3224
7/6/24 9:00	7.39	279.91	21.13	4.62	16.72	34.48	32.79	47.00	1.18	433.06	411.08	16.79	7.18	3193	3273	3224
7/6/24 10:00	7.38	281.98	22.29	4.66	16.98	36.65	34.20	46.92	1.18	435.04	405.61	16.82	7.16	3184	3238	3224
7/6/24 11:00	7.50	282.46	22.16	4.67	16.83	36.37	35.83	46.84	1.18	435.19	407.37	16.83	7.18	3209	3192	3223
7/6/24 12:00	7.50	281.81	21.48	4.64	16.75	35.12	36.05	46.75	1.17	433.74	406.29	16.84	7.17	3219	3195	3223
7/6/24 13:00	7.44	282.46	21.38	4.73	16.54	35.01	35.50	46.66	1.16	434.04	407.54	16.88	7.07	3248	3204	3223
7/6/24 14:00	7.40	283.72	20.75	4.63	16.82	33.93	34.69	46.57	1.16	433.23	388.11	16.90	6.84	3058	3225	3223
7/6/24 15:00	7.38	283.87	21.18	4.61	16.81	34.59	34.51	46.48	1.15	432.48	382.93	16.90	6.76	2999	3175	3222
7/6/24 16:00	7.43	283.73	20.40	4.61	16.85	33.34	33.96	46.38	1.15	432.09	380.01	16.90	6.76	2973	3101	3221
7/6/24 17:00	7.41	283.42	20.10	4.64	16.77	32.88	33.60	46.28	1.15	432.53	374.56	16.93	6.79	2977	3010	3219
7/6/24 18:00	7.43	283.99	19.53	4.63	16.78	31.94	32.72	46.18	1.16	430.78	362.55	17.00	6.67	2924	2983	3217
7/6/24 19:00	7.45	284.07	19.13	4.60	16.71	31.16	31.99	46.07	1.16	431.87	396.90	16.90	6.80	3117	2958	3215
7/6/24 20:00	7.39	284.17	20.91	4.62	16.74	34.13	32.41	45.99	1.16	432.85	389.49	16.94	6.74	3090	3006	3214
7/6/24 21:00	7.38	283.68	22.49	4.62	16.69	36.67	33.99	45.92	1.16	432.39	379.45	16.96	6.75	3041	3044	3213
7/6/24 22:00	7.38	282.87	24.81	4.62	16.70	40.47	37.09	45.89	1.15	431.92	385.70	16.95	6.80	3089	3083	3212
7/6/24 23:00	7.40	283.11	24.95	4.64	16.66	40.74	39.29	45.85	1.16	431.75	382.24	16.96	6.81	3072	3074	3211
7/7/24 0:00	7.39	282.33	24.91	4.67	16.64	40.74	40.65	45.81	1.16	430.50	378.04	16.96	6.79	3038	3067	3210
7/7/24 1:00	7.40	281.77	27.39	4.76	16.55	44.96	42.14	45.81	1.17	429.15	377.27	16.95	6.81	3022	3066	3209
7/7/24 2:00	7.37	280.91	28.18	4.71	16.67	46.28	43.99	45.81	1.18	428.92	377.59	16.95	6.84	3031	3044	3208
7/7/24 3:00	7.37	280.58	28.29	4.67	16.65	46.29	45.84	45.82	1.18	428.20	379.43	16.95	6.82	3044	3030	3207
7/7/24 4:00	7.35	280.18	27.80	4.67	16.76	45.57	46.05	45.81	1.18	427.96	385.85	16.95	6.81	3097	3032	3205
7/7/24 5:00	7.36	280.25	27.97	4.71	16.79	46.03	45.96	45.82	1.20	426.92	386.34	16.95	6.80	3094	3057	3205
7/7/24 6:00	7.39	279.97	27.84	4.68	16.83	45.70	45.77	45.81	1.19	426.24	386.30	16.96	6.78			

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
7/8/24 0:00	7.46	282.25	23.10	4.67	16.86	37.95	37.26	45.27	1.16	427.09	369.08	17.00	6.83	3027	3066	3193
7/8/24 1:00	7.46	280.59	27.30	4.79	16.69	45.01	39.82	45.27	1.17	427.56	366.22	16.98	6.85	2976	3039	3192
7/8/24 2:00	7.46	279.98	27.16	4.72	16.85	44.76	42.57	45.27	1.18	426.94	369.67	16.98	6.84	3004	3011	3191
7/8/24 3:00	7.45	280.14	26.81	4.68	16.93	44.10	44.62	45.26	1.17	426.65	366.79	16.97	6.81	2968	3002	3190
7/8/24 4:00	7.45	280.79	26.86	4.69	16.95	44.23	44.36	45.26	1.17	427.57	370.43	16.95	6.86	2983	2982	3189
7/8/24 5:00	7.46	280.08	27.08	4.67	17.00	44.57	44.30	45.25	1.17	428.53	379.46	16.94	6.91	3050	2985	3187
7/8/24 6:00	7.43	280.37	26.77	4.69	17.06	44.16	44.32	45.25	1.19	430.07	396.07	16.91	6.97	3166	3000	3187
7/8/24 7:00	7.46	280.83	28.89	4.77	16.94	47.77	45.50	45.26	1.20	431.57	412.59	16.89	7.02	3282	3066	3187
7/8/24 8:00	7.44	281.80	27.54	4.65	17.13	45.37	45.77	45.26	1.20	433.04	418.66	16.88	7.08	3338	3166	3187
7/8/24 9:00	7.38	283.38	26.67	4.63	17.19	43.87	45.67	45.25	1.19	433.42	423.62	16.86	7.20	3382	3262	3188
7/8/24 10:00	7.31	285.35	27.49	4.88	17.28	46.23	45.16	45.26	1.19	433.48	419.93	16.88	7.20	3375	3334	3189
7/8/24 11:00	7.45	285.19	27.42	4.65	17.02	45.07	45.05	45.26	1.19	434.50	422.03	16.87	7.18	3383	3365	3190
7/8/24 12:00	7.26	286.22	28.04	4.58	17.05	45.85	45.71	45.26	1.17	437.12	452.05	16.87	7.25	3640	3380	3191
7/8/24 13:00	7.26	286.77	28.33	4.65	16.90	46.34	45.75	45.27	1.18	433.70	363.94	17.02	7.08	3060	3466	3194
7/8/24 14:00	7.27	286.73	29.20	4.58	17.10	47.81	46.67	45.28	1.14	432.29	339.33	17.05	7.03	2878	3361	3193
7/8/24 15:00	7.25	286.74	29.00	4.57	17.07	47.40	47.18	45.29	1.15	431.98	332.11	17.04	7.08	2824	3192	3191
7/8/24 16:00	7.23	286.05	28.76	4.55	17.08	46.96	47.39	45.30	1.14	431.50	324.96	17.06	7.06	2777	2921	3189
7/8/24 17:00	7.21	285.82	28.24	4.56	17.12	46.17	46.84	45.31	1.14	431.29	333.35	17.03	7.11	2830	2826	3187
7/8/24 18:00	7.25	285.55	26.74	4.58	17.04	43.72	45.62	45.30	1.14	430.72	324.83	17.03	7.18	2769	2810	3185
7/8/24 19:00	7.33	284.52	24.55	4.52	17.02	39.94	43.27	45.27	1.16	430.72	331.75	17.04	7.14	2830	2792	3183
7/8/24 20:00	7.30	283.84	21.95	4.54	17.07	35.80	39.82	45.22	1.14	428.84	324.80	17.09	6.93	2784	2810	3181
7/8/24 21:00	7.27	282.14	23.85	4.57	16.96	38.92	38.22	45.18	1.15	426.85	316.36	17.10	6.94	2721	2795	3179
7/8/24 22:00	7.29	281.80	23.08	4.52	16.79	37.41	37.38	45.14	1.15	425.29	315.30	17.11	6.93	2715	2779	3176
7/8/24 23:00	7.34	280.33	22.71	4.52	16.76	36.79	37.71	45.10	1.14	423.85	312.96	17.15	6.78	2705	2740	3174
7/9/24 0:00	7.32	279.74	23.67	4.52	16.84	38.41	37.54	45.07	1.14	423.43	307.88	17.18	6.59	2650	2714	3172
7/9/24 1:00	7.32	280.03	25.78	4.60	16.68	41.92	39.04	45.05	1.15	424.18	338.53	17.08	6.71	2832	2690	3169
7/9/24 2:00	7.35	279.52	25.45	4.53	16.99	41.43	40.59	45.03	1.15	426.51	368.66	17.00	6.85	3025	2729	3167
7/9/24 3:00	7.38	279.67	25.35	4.54	17.04	41.32	41.56	45.01	1.15	429.16	384.40	16.96	6.98	3132	2836	3166
7/9/24 4:00	7.35	279.29	26.32	4.55	17.01	42.93	41.89	45.00	1.16	432.27	396.99	16.94	7.06	3233	2997	3166
7/9/24 5:00	7.35	279.95	25.94	4.54	17.02	42.28	42.18	44.99	1.16	432.31	409.61	16.94	7.04	3330	3130	3167
7/9/24 6:00	7.34	281.51	25.99	4.56	17.05	42.43	42.55	44.98	1.16	432.17	403.99	16.95	6.96	3283	3232	3167
7/9/24 7:00	7.33	282.76	30.56	4.62	16.84	49.91	44.87	45.00	1.15	432.83	417.23	16.94	6.92	3361	3282	3168
7/9/24 8:00	7.34	284.60	32.32	4.56	17.09	52.81	48.38	45.04	1.17	435.04	518.11	16.81	7.21	4059	3325	3169
7/9/24 9:00	7.32	284.63	32.34	4.55	17.08	52.82	51.85	45.08	1.18	438.06	458.34	16.83	7.29	3644	3568	3173
7/9/24 10:00	7.33	285.30	31.28	4.55	16.85	50.85	52.16	45.11	1.18	437.14	453.84	16.84	7.35	3640	3688	3176
7/9/24 11:00	7.28	286.24	29.98	4.70	16.95	49.42	51.03	45.13	1.16	433.63	384.48	17.00	7.09	3213	3781	3178
7/9/24 12:00	7.37	285.92	29.01	4.70	16.87	47.74	49.34	45.14	1.15	430.23	348.57	17.06	6.99	2959	3499	3178
7/9/24 13:00	7.35	286.42	27.36	4.69	16.54	44.68	47.28	45.14	1.15	428.51	340.11	17.07	6.98	2904	3271	3177
7/9/24 14:00	7.23	287.18	26.73	4.69	16.66	43.83	45.42	45.13	1.14	427.60	337.01	17.07	7.07	2889	3025	3176
7/9/24 15:00	7.20	287.01	27.15	4.73	16.73	44.70	44.40	45.13	1.14	425.48	333.98	17.09	7.05	2887	2917	3174
7/9/24 16:00	7.24	287.22	31.91	4.70	16.83	52.49	47.01	45.16	1.13	425.97	331.03	17.09	6.96	2841	2893	3173
7/9/24 17:00	7.24	287.59	35.01	4.62	16.88	57.30	51.50	45.22	1.13	426.17	330.77	17.08	6.92	2813	2872	3171
7/9/24 18:00	7.28	287.32	31.97	4.75	16.87	52.81	54.20	45.26	1.12	426.54	330.06	17.07	6.97	2811	2847	3170
7/9/24 19:00	7.37	286.21	28.43	4.72	16.88	46.80	52.30	45.27	1.13	426.47	338.17	17.07	6.99	2887	2822	3168
7/9/24 20:00	7.78	285.56	36.51	4.84	17.09	60.98	53.53	45.34	1.13	427.47	377.51	16.97	7.12	3124	2837	3167
7/9/24 21:00	7.93	285.40	38.74	4.84	16.63	64.23	57.34	45.43	1.14	430.33	394.77	16.88	7.24	3193	2940	3166
7/9/24 22:00	7.59	286.33	41.68	4.73	16.60	68.50	64.57	45.53	1.16	432.89	419.06	16.89	7.08	3349	3068	3167
7/9/24 23:00	7.42	287.22	43.26	4.75	16.60	71.15	67.96	45.65	1.20	433.57	437.46	16.89	7.17	3523	3222	3167
7/10/24 0:00	7.46	287.04	42.48	4.76	16.58	69.93	69.86	45.76	1.22	433.73	445.12	16.90	7.14	3592	3355	3169
7/10/24 1:00	7.47	284.91	48.95	4.78	16.68	80.70	73.93	45.93	1.20	433.84	448.37	16.91	7.09	3625	3488	3171
7/10/24 2:00	7.51	284.06	53.71	4.68	17.08	88.61	79.75	46.12	1.19	434.15	451.51	16.94	7.00	3659	3580	3173
7/10/24 3:00	7.50	283.81	49.99	4.76	16.96	82.83	84.05	46.29	1.21	433.52	450.74	16.94	7.08	3676	3625	3175
7/10/24 4:00	7.40	283.24	51.79	4.70	16.94	85.35	85.59	46.46	1.18	433.84	450.98	16.87	7.28	3645	3653	3178
7/10/24 5:00	7.36	281.21	52.47	4.70	16.97	86.48	84.88	46.64	1.20	433.59	442.89	16.88	7.23	3579	3660	3180
7/10/24 6:00	7.36	276.94	54.97	4.68	16.97	90.51	87.44	46.84	1.26	426.60	433.49	16.93	7.20	3554	3634	3182
7/10/24 7:00	7.38	265.85	61.28	4.75	16.73	100.87	92.62	47.08	1.26	413.19	420.89	16.86	7.30	3395	3593	3183
7/10/24 8:00	7.38	265.41	62.66	4.69	16.79	102.94	98.10	47.33	1.29	400.43	428.79	16.81	7.50	3435	3510	3184
7/10/24 9:00	7.38	279.04	63.56	4.76	16.87	105.12	102.97	47.59	1.28	418.76	417.11	16.89	7.15	3354	3462	3185
7/10/24 10:00	7.48	278.18	65.70	4.97	16.90	110.52	106.19	47.86	1.27	422.59	428.67	16.82	7.21	3373	3395	3186
7/10/24 11:00	7.57	279.35	63.62	4.89	16.58	105.81	107.15	48.12	1.29	424.18	433.42	16.84	7.31	3468	3387	3187
7/10/24 12:00	7.45	279.78	57.10	4.45	16.86	92.18	102.84	48.31	1.27	424.15	431.54	16.85	7.28	3456	3398	3188
7/10/24 13:00	7.33	262.61	41.98	4.47	16.75	67.61	88.53	48.39	1.25	402.28	425.50	16.75	7.44	3328	3433	3189
7/10/24 14:00	7.32	278.18	32.49	4.41	16.89	52.28	70.69	48.41	1.27	421.70	471.82	16.77	7.15	3583	3418	3190
7/10/24 15:00	7.30	281.45	27.42	4.37	16.85	43.99	54.63	48.39	1.24	426.62	389.83	16.81	7.44	3109	3456	3192
7/10/24 16:00	7.31	280.44	23.18	4.37	16.92	37.22	44.50	48.34	1.25	428.85	407.69	16.74	7.50	3193	3340	3191
7/10/24 17:00	7.30	280.54	20.79	4.39	16.93	33.45	38.22	48.28	1.26	428.59	395.83	16.78	7.48	3142	3295	3191
7/10/24 18:00	7.28	279.64	21.55	4.41	16.91	34.71	35.13	48.22	1.20	428.43	375.51					

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
7/11/24 12:00	7.25	286.22	26.38	4.36	16.62	42.14	43.15	47.66	1.22	430.45	410.47	16.85	7.21	3267	3208	3182
7/11/24 13:00	7.08	287.14	26.44	4.32	16.32	41.87	41.54	47.64	1.21	431.94	416.57	16.87	7.19	3334	3247	3182
7/11/24 14:00	7.03	287.37	25.85	4.27	16.44	40.88	41.63	47.61	1.20	434.05	423.57	16.84	7.24	3373	3288	3183
7/11/24 15:00	6.99	283.90	26.34	4.31	16.45	41.80	41.52	47.59	1.18	435.36	415.08	16.83	7.36	3319	3325	3184
7/11/24 16:00	7.01	282.93	26.23	4.30	16.47	41.60	41.43	47.57	1.18	434.65	420.00	16.80	7.40	3339	3342	3184
7/11/24 17:00	6.99	282.61	26.35	4.33	16.52	41.91	41.77	47.55	1.18	434.62	426.45	16.81	7.38	3387	3344	3185
7/11/24 18:00	7.03	280.48	25.80	4.32	16.51	41.03	41.51	47.52	1.18	433.21	410.74	16.83	7.35	3289	3348	3185
7/11/24 19:00	7.10	279.75	25.96	4.39	16.40	41.41	41.45	47.50	1.17	433.37	411.07	16.86	7.23	3291	3338	3186
7/11/24 20:00	7.15	279.06	24.57	4.34	16.47	39.07	40.50	47.47	1.17	432.60	403.43	16.87	7.26	3246	3322	3186
7/11/24 21:00	7.15	278.97	25.97	4.33	16.40	41.24	40.57	47.44	1.16	432.39	410.57	16.88	7.23	3319	3275	3186
7/11/24 22:00	7.11	279.40	26.36	4.41	16.33	42.06	40.79	47.42	1.17	433.17	408.07	16.87	7.19	3268	3285	3187
7/11/24 23:00	7.19	281.35	26.85	4.41	16.36	42.86	42.05	47.40	1.23	432.90	412.93	16.89	7.10	3315	3278	3187
7/12/24 0:00	7.20	280.22	27.47	4.36	16.32	43.65	42.86	47.39	1.18	433.53	411.90	16.91	7.04	3317	3301	3188
7/12/24 1:00	7.11	278.95	28.86	4.45	16.19	46.07	44.20	47.38	1.17	433.35	408.54	16.97	6.84	3314	3300	3188
7/12/24 2:00	7.09	277.84	28.52	4.46	16.60	45.86	45.20	47.38	1.17	433.86	401.04	16.94	6.95	3240	3315	3189
7/12/24 3:00	7.11	276.85	28.60	4.47	16.64	46.07	46.00	47.37	1.16	432.29	394.57	16.97	6.84	3198	3290	3189
7/12/24 4:00	7.14	276.29	28.11	4.56	16.68	45.63	45.86	47.37	1.16	430.48	391.81	16.97	6.85	3173	3250	3189
7/12/24 5:00	7.16	276.33	26.00	4.55	16.96	42.39	44.70	47.35	1.18	430.61	397.82	16.95	6.87	3207	3204	3189
7/12/24 6:00	7.36	277.93	24.07	4.64	16.99	39.53	42.51	47.32	1.20	429.28	395.08	16.97	6.81	3195	3193	3189
7/12/24 7:00	7.17	279.47	28.76	4.61	16.83	46.90	42.94	47.32	1.17	430.10	397.48	16.96	6.86	3215	3192	3189
7/12/24 8:00	7.14	281.07	28.62	4.47	17.04	46.39	44.28	47.32	1.20	432.67	393.57	16.91	7.05	3162	3206	3189
7/12/24 9:00	7.15	281.96	28.86	4.42	16.96	46.54	46.61	47.31	1.19	434.32	397.49	16.90	7.08	3197	3191	3189
7/12/24 10:00	7.16	282.58	28.72	4.62	17.02	47.11	46.68	47.31	1.19	434.86	395.22	16.91	7.09	3193	3191	3189
7/12/24 11:00	7.34	282.57	28.86	4.66	16.87	47.36	47.00	47.31	1.19	434.57	396.26	16.90	7.15	3208	3184	3189
7/12/24 12:00	7.41	281.85	28.13	4.64	16.67	45.94	46.80	47.31	1.18	436.25	402.36	16.90	7.17	3252	3200	3189
7/12/24 13:00	7.31	281.85	28.54	4.71	16.51	46.66	46.65	47.30	1.19	438.29	409.15	16.88	7.27	3313	3218	3189
7/12/24 14:00	7.30	283.26	28.16	4.68	16.57	46.05	46.21	47.30	1.18	439.59	412.26	16.84	7.46	3333	3258	3190
7/12/24 15:00	7.32	283.26	28.48	4.65	16.45	46.39	46.37	47.30	1.17	441.42	414.40	16.81	7.61	3362	3299	3190
7/12/24 16:00	7.28	283.98	27.80	4.60	16.47	45.10	45.85	47.29	1.17	439.27	401.21	16.85	7.54	3285	3336	3191
7/12/24 17:00	7.24	262.89	28.69	4.49	16.56	46.21	45.90	47.29	1.21	406.72	455.21	16.85	7.52	3708	3327	3191
7/12/24 18:00	7.18	276.62	28.89	4.50	16.54	46.58	45.96	47.28	1.25	425.00	362.98	16.93	7.34	3007	3452	3193
7/12/24 19:00	7.16	271.65	28.72	4.46	16.55	46.15	46.31	47.28	1.20	426.40	433.32	16.86	7.45	3519	3333	3192
7/12/24 20:00	7.20	276.05	27.75	4.45	16.59	44.61	45.78	47.27	1.19	427.87	365.43	16.89	7.36	2996	3412	3194
7/12/24 21:00	7.19	277.21	26.23	4.47	16.55	42.19	44.32	47.25	1.19	429.96	374.04	16.88	7.33	3047	3174	3193
7/12/24 22:00	7.21	278.36	26.53	4.48	16.56	42.72	43.18	47.24	1.19	430.99	375.99	16.88	7.34	3065	3188	3192
7/12/24 23:00	7.23	279.85	28.02	4.46	16.49	44.99	43.30	47.23	1.19	430.85	373.55	16.90	7.30	3050	3036	3192
7/13/24 0:00	7.15	278.33	28.08	4.49	16.43	45.15	44.29	47.22	1.18	430.64	372.43	16.91	7.27	3051	3054	3191
7/13/24 1:00	7.17	278.03	31.24	4.58	16.29	50.39	46.84	47.23	1.19	429.96	370.95	16.93	7.21	3042	3055	3191
7/13/24 2:00	7.18	278.46	31.33	4.52	16.45	50.51	48.69	47.24	1.18	429.23	365.85	16.94	7.10	2992	3048	3190
7/13/24 3:00	7.18	278.19	30.26	4.48	16.43	48.61	49.84	47.25	1.18	428.32	366.11	16.94	7.05	2974	3028	3190
7/13/24 4:00	7.18	278.45	30.30	4.49	16.27	48.60	49.24	47.25	1.18	428.89	373.12	16.92	7.07	3021	3002	3189
7/13/24 5:00	7.17	277.70	39.40	4.49	16.34	63.27	53.49	47.31	1.20	429.69	374.39	16.93	7.04	3040	2996	3188
7/13/24 6:00	7.19	277.11	41.39	4.48	16.28	66.36	59.41	47.37	1.20	429.27	378.95	16.95	7.01	3087	3012	3188
7/13/24 7:00	7.15	277.74	39.77	4.53	16.02	63.69	64.44	47.43	1.18	429.23	387.22	16.94	6.98	3138	3050	3188
7/13/24 8:00	7.15	279.91	32.45	4.49	16.30	52.08	60.71	47.44	1.19	430.12	394.56	16.87	7.05	3128	3089	3187
7/13/24 9:00	7.17	281.44	29.46	4.47	16.43	47.31	54.36	47.44	1.21	433.59	401.97	16.85	7.20	3200	3118	3187
7/13/24 10:00	7.17	282.17	29.95	4.78	16.72	49.51	49.64	47.45	1.19	433.31	384.61	16.91	7.16	3119	3156	3187
7/13/24 11:00	7.48	282.22	29.22	4.60	16.54	47.46	48.09	47.45	1.21	434.23	389.73	16.90	7.20	3159	3149	3187
7/13/24 12:00	7.33	282.15	28.70	4.48	16.56	46.22	47.73	47.45	1.19	434.19	386.52	16.92	7.17	3159	3159	3187
7/13/24 13:00	7.29	282.31	29.50	4.54	16.41	47.57	47.08	47.45	1.19	433.40	391.39	16.92	7.20	3204	3145	3187
7/13/24 14:00	7.25	282.64	28.66	4.47	16.62	46.17	46.65	47.44	1.19	434.91	389.75	16.91	7.25	3190	3174	3187
7/13/24 15:00	7.28	283.38	28.33	4.45	16.63	45.56	46.43	47.44	1.18	434.52	397.04	16.89	7.34	3250	3184	3187
7/13/24 16:00	7.24	282.84	26.70	4.49	16.63	43.07	44.93	47.42	1.18	435.55	394.52	16.93	7.15	3226	3215	3187
7/13/24 17:00	7.21	282.64	26.68	4.51	16.64	43.10	43.91	47.41	1.18	435.85	389.43	16.95	7.19	3215	3222	3187
7/13/24 18:00	7.22	282.45	27.92	4.48	16.64	45.01	43.73	47.40	1.18	435.33	392.01	16.93	7.25	3226	3230	3187
7/13/24 19:00	7.22	282.39	24.27	4.46	16.58	39.04	42.38	47.37	1.17	436.32	411.27	16.93	7.07	3337	3222	3187
7/13/24 20:00	7.21	281.74	21.31	4.43	16.56	34.19	39.41	47.33	1.17	436.72	411.32	16.92	7.06	3322	3259	3188
7/13/24 21:00	7.21	281.33	22.56	4.43	16.46	36.13	36.45	47.29	1.17	436.28	416.97	16.89	7.18	3364	3295	3188
7/13/24 22:00	7.21	282.77	23.49	4.48	16.55	37.81	36.04	47.26	1.18	433.27	390.33	16.94	7.24	3223	3341	3189
7/13/24 23:00	7.22	282.62	25.25	4.51	16.71	40.85	38.26	47.24	1.17	431.21	369.00	16.95	7.03	3015	3303	3189
7/14/24 0:00	7.26	281.09	24.93	4.52	16.76	40.40	39.69	47.22	1.18	430.52	368.69	16.93	7.00	2981	3201	3188
7/14/24 1:00	7.20	280.73	26.17	4.61	16.65	42.60	41.28	47.21	1.18	429.08	359.17	16.83	6.97	2789	3073	3188
7/14/24 2:00	7.23	280.82	25.09	4.58	16.73	40.80	41.27	47.18	1.18	427.84	357.74	16.89	7.03	2852	2928	3187
7/14/24 3:00	7.49	280.34	22.32	4.50	16.81	36.15	39.85	47.15	1.18	428.75	365.43	16.90	7.08	2943	2874	3186
7/14/24 4:00	7.23	280.04	21.86	4.53	16.79	35.47	37.47	47.11	1.18	430.46	376.11	16.89	7.17	3036	2861	3185
7/14/24 5:00	7.23	280.24	25.86	4.50	16.79	41.87	37.83	47.10	1.18	431.10	379.24	16.91	7.17	3081	2944	3184
7/14/24 6:00	7.18	280.56	26.58	4.48	16.73	42.91	40.08									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
7/15/24 0:00	7.22	281.21	23.94	4.38	16.82	38.42	39.54	46.88	1.17	432.52	380.86	16.83	7.49	3076	3091	3181
7/15/24 1:00	7.40	281.24	27.00	4.68	16.50	44.06	40.39	46.88	1.17	431.72	383.09	16.78	7.51	3039	3076	3180
7/15/24 2:00	7.87	281.49	24.35	4.52	16.62	39.35	40.61	46.85	1.17	431.35	383.40	16.78	7.53	3057	3074	3180
7/15/24 3:00	7.47	281.12	25.41	4.50	16.57	40.97	41.46	46.84	1.17	431.94	385.57	16.80	7.54	3090	3057	3180
7/15/24 4:00	7.22	281.00	26.06	4.47	16.86	42.14	40.82	46.82	1.17	432.10	389.50	16.80	7.53	3130	3062	3179
7/15/24 5:00	7.38	280.75	25.24	4.47	16.81	40.78	41.30	46.81	1.17	431.58	381.43	16.83	7.47	3085	3092	3179
7/15/24 6:00	7.26	280.41	27.09	4.46	16.69	43.65	42.19	46.80	1.17	430.07	377.22	16.84	7.46	3051	3102	3179
7/15/24 7:00	7.22	281.43	28.94	4.51	16.41	46.52	43.65	46.80	1.18	429.28	369.01	16.83	7.46	2972	3089	3179
7/15/24 8:00	7.21	282.63	29.00	4.48	16.68	46.78	45.65	46.80	1.17	429.59	378.42	16.80	7.53	3041	3036	3178
7/15/24 9:00	7.31	283.74	28.73	4.45	16.70	46.25	46.52	46.79	1.17	430.23	372.54	16.82	7.47	2993	3021	3178
7/15/24 10:00	7.27	283.48	27.98	4.68	16.42	45.63	46.22	46.79	1.18	430.83	368.37	16.79	7.50	2940	3002	3177
7/15/24 11:00	7.37	281.39	27.55	4.75	16.70	45.39	45.76	46.79	1.18	430.43	364.98	16.77	7.63	2917	2991	3176
7/15/24 12:00	7.50	279.48	27.26	4.74	16.28	44.56	45.20	46.78	1.18	427.61	378.90	16.74	7.80	3024	2950	3176
7/15/24 13:00	7.40	242.15	26.87	4.55	16.24	43.18	44.38	46.77	1.22	389.45	387.27	16.75	7.74	3098	2960	3175
7/15/24 14:00	7.27	278.45	29.99	4.40	16.45	47.89	45.21	46.77	1.24	425.79	345.37	16.79	7.55	2767	3013	3175
7/15/24 15:00	7.19	279.46	28.97	4.40	16.42	46.24	45.77	46.77	1.24	431.44	356.32	16.79	7.53	2847	2963	3174
7/15/24 16:00	7.20	263.96	29.10	4.39	16.38	46.41	46.85	46.77	1.27	412.09	340.77	16.78	7.66	2735	2904	3173
7/15/24 17:00	7.17	279.58	29.36	4.40	16.41	46.88	46.51	46.77	1.25	430.99	351.72	16.74	7.70	2800	2783	3172
7/15/24 18:00	7.14	279.50	28.07	4.41	16.36	44.81	46.03	46.77	1.24	434.74	359.81	16.78	7.69	2898	2794	3171
7/15/24 19:00	7.15	278.78	27.45	4.47	16.39	44.04	45.24	46.76	1.23	434.58	368.47	16.78	7.66	2966	2811	3170
7/15/24 20:00	7.22	277.99	27.29	4.51	16.41	43.95	44.26	46.75	1.23	433.06	375.55	16.78	7.69	3026	2888	3169
7/15/24 21:00	7.37	277.48	25.43	4.96	16.17	42.24	43.41	46.74	1.23	431.76	379.07	16.78	7.63	3042	2963	3169
7/15/24 22:00	8.36	278.54	24.22	5.02	16.15	40.42	42.20	46.72	1.22	431.90	370.17	16.84	7.42	2992	3011	3169
7/15/24 23:00	8.15	280.10	23.44	5.02	16.25	39.17	40.61	46.70	1.22	430.45	360.84	16.87	7.25	2909	3020	3168
7/16/24 0:00	8.70	279.40	23.27	4.99	16.18	38.71	39.43	46.68	1.22	429.74	363.34	16.83	7.29	2893	2981	3167
7/16/24 1:00	8.34	278.82	27.52	4.91	16.16	45.40	41.09	46.67	1.22	429.80	365.03	16.84	7.27	2911	2931	3167
7/16/24 2:00	7.82	277.77	27.92	4.80	16.28	45.89	43.33	46.67	1.22	430.69	376.23	16.84	7.32	3010	2904	3166
7/16/24 3:00	7.72	277.11	29.70	4.81	16.21	48.80	46.70	46.68	1.23	430.23	386.26	16.84	7.31	3085	2938	3165
7/16/24 4:00	7.72	277.14	29.70	4.75	16.05	48.43	47.71	46.68	1.23	431.11	391.70	16.79	7.38	3098	3002	3165
7/16/24 5:00	7.65	277.66	29.52	4.67	16.14	47.91	48.38	46.68	1.23	433.05	388.58	16.79	7.48	3096	3064	3165
7/16/24 6:00	7.55	278.84	29.85	4.67	16.35	48.59	48.31	46.69	1.24	432.00	393.12	16.82	7.45	3161	3093	3165
7/16/24 7:00	7.59	280.23	30.12	4.73	16.13	49.04	48.51	46.70	1.25	430.83	383.11	16.81	7.49	3076	3118	3165
7/16/24 8:00	7.59	281.21	35.25	4.56	16.43	56.98	51.54	46.72	1.26	429.08	401.00	16.77	7.56	3186	3111	3165
7/16/24 9:00	7.60	264.22	28.59	4.54	16.42	46.16	50.73	46.72	1.32	375.66	454.52	16.71	7.84	3591	3141	3165
7/16/24 10:00	7.58	276.79	31.02	4.84	16.31	51.17	51.44	46.73	1.31	401.25	397.66	16.77	7.63	3169	3284	3166
7/16/24 11:00	7.78	273.25	30.99	4.97	16.32	51.69	49.67	46.75	1.36	395.34	377.73	16.78	7.56	3013	3315	3166
7/16/24 12:00	7.85	288.87	30.64	4.52	16.44	49.37	50.74	46.75	1.33	422.56	359.39	16.80	7.42	2862	3257	3165
7/16/24 13:00	7.51	285.99	32.88	4.56	16.23	52.90	51.32	46.77	1.26	429.62	395.05	16.81	7.48	3169	3015	3165
7/16/24 14:00	7.45	284.76	32.08	4.52	16.34	51.61	51.29	46.78	1.26	434.19	541.21	16.76	7.57	4283	3015	3165
7/16/24 15:00	7.46	284.67	31.57	4.52	16.43	50.87	51.79	46.80	1.24	434.12	413.66	16.80	7.56	3332	3438	3168
7/16/24 16:00	7.43	285.70	29.51	4.49	16.11	47.23	49.90	46.80	1.23	434.93	352.00	16.84	7.41	2841	3595	3168
7/16/24 17:00	7.41	284.61	28.82	4.50	15.85	45.95	48.02	46.79	1.22	433.94	343.20	16.91	7.26	2811	3485	3167
7/16/24 18:00	7.31	283.90	28.65	4.51	15.70	45.61	46.26	46.79	1.25	432.35	344.60	16.85	7.45	2797	2995	3166
7/16/24 19:00	7.28	282.97	26.26	4.50	15.73	41.78	44.45	46.78	1.25	429.95	341.05	16.87	7.35	2771	2816	3165
7/16/24 20:00	7.31	282.44	22.15	4.54	15.82	35.42	40.93	46.75	1.25	427.94	332.91	16.88	7.33	2707	2793	3164
7/16/24 21:00	7.36	282.00	23.57	4.51	15.82	37.60	38.26	46.72	1.25	427.78	344.61	16.86	7.29	2777	2758	3163
7/16/24 22:00	7.33	282.79	23.83	4.48	15.76	37.90	36.97	46.70	1.26	428.99	362.47	16.80	7.28	2852	2751	3162
7/16/24 23:00	7.42	285.73	22.32	4.49	15.72	35.48	36.99	46.67	1.25	427.38	339.30	16.75	7.26	2613	2778	3161
7/17/24 0:00	7.36	282.44	23.02	4.57	15.89	36.95	36.78	46.65	1.25	427.45	338.67	16.86	7.26	2716	2747	3160
7/17/24 1:00	7.40	281.12	28.55	4.75	15.89	46.37	39.60	46.65	1.24	427.11	342.48	16.89	7.23	2771	2727	3159
7/17/24 2:00	7.69	280.83	29.06	4.67	16.22	47.21	43.51	46.65	1.25	427.02	343.05	16.88	7.19	2757	2700	3158
7/17/24 3:00	7.68	281.59	30.37	4.64	16.21	49.22	47.60	46.65	1.26	428.46	360.23	16.84	7.29	2878	2748	3157
7/17/24 4:00	7.72	282.14	30.62	4.58	16.05	49.27	48.57	46.66	1.31	428.41	372.22	16.95	6.93	3009	2802	3156
7/17/24 5:00	7.62	281.50	26.57	4.57	15.93	42.65	47.05	46.65	1.26	429.33	359.97	17.04	6.64	2944	2881	3155
7/17/24 6:00	7.60	280.96	24.85	4.59	16.02	39.99	43.97	46.63	1.23	428.63	349.44	17.10	6.46	2891	2944	3155
7/17/24 7:00	7.63	281.48	25.16	4.66	15.76	40.43	41.03	46.62	1.24	427.85	354.58	17.06	6.49	2885	2948	3154
7/17/24 8:00	7.64	281.42	25.12	4.60	15.91	40.39	40.27	46.60	1.24	428.61	356.25	17.05	6.58	2916	2907	3154
7/17/24 9:00	7.68	282.21	24.86	4.60	15.90	39.96	40.26	46.58	1.23	429.04	356.33	17.05	6.55	2908	2897	3153
7/17/24 10:00	7.65	285.36	24.71	4.61	15.85	39.72	40.03	46.57	1.26	430.20	366.19	17.05	6.51	2978	2903	3152
7/17/24 11:00	7.63	286.35	24.74	4.74	15.81	40.16	39.95	46.55	1.24	431.45	368.21	17.09	6.44	3026	2934	3152
7/17/24 12:00	7.73	286.03	22.87	4.78	15.82	37.25	39.04	46.53	1.23	434.52	372.84	17.00	6.80	3051	2971	3152
7/17/24 13:00	7.79	283.67	23.94	4.87	15.41	38.91	38.77	46.51	1.25	433.94	384.86	17.02	6.85	3181	3018	3151
7/17/24 14:00	7.75	279.24	23.32	4.81	15.67	37.98	38.05	46.49	1.24	434.32	367.14	16.98	7.02	3025	3086	3151
7/17/24 15:00	7.75	279.46	22.50	4.82	15.73	36.69	37.86	46.46	1.25	435.48	362.31	16.96	7.12	2994	3086	3151
7/17/24 16:00	7.71	279.93	21.92	4.77	15.82	35.65	36.77	46.44	1.23	433.91	365.55	17.00	6.94	3022	3067	3151
7/17/24 17:00	7.70	281.17	23.39	4.68	15.93	37.85	36.73	46.41	1.26	434.38	367.44	17.03	6.76	3023	3014	3150
7/17/24 18:00	7.67	281.57	25.14	4.65	15.87	40.57	38.02	4								

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
7/18/24 12:00	7.54	278.68	25.11	4.67	16.25	40.83	42.46	46.02	1.33	426.12	379.29	17.09	6.46	3118	3051	3143
7/18/24 13:00	7.52	279.08	26.22	4.76	16.18	42.85	42.02	46.02	1.30	426.98	377.57	17.12	6.37	3116	3076	3142
7/18/24 14:00	7.52	279.10	24.78	4.69	16.37	40.42	41.37	46.00	1.32	427.49	387.84	17.09	6.40	3174	3100	3142
7/18/24 15:00	7.52	280.24	24.83	4.68	16.31	40.43	41.23	45.99	1.31	427.85	386.16	17.12	6.36	3188	3136	3142
7/18/24 16:00	7.49	279.73	25.69	4.66	16.33	41.79	40.88	45.98	1.32	427.52	372.25	17.13	6.33	3079	3160	3143
7/18/24 17:00	7.51	279.60	26.83	4.63	16.32	43.55	41.92	45.97	1.32	427.36	376.48	17.13	6.32	3108	3147	3142
7/18/24 18:00	7.49	278.83	26.19	4.62	16.21	42.39	42.58	45.97	1.32	426.69	369.28	17.15	6.30	3069	3125	3142
7/18/24 19:00	7.50	278.23	25.41	4.66	16.09	41.19	42.38	45.95	1.32	425.27	365.62	17.16	6.25	3038	3085	3142
7/18/24 20:00	7.57	276.69	25.26	4.59	16.24	40.79	41.46	45.94	1.33	424.59	360.73	17.19	6.19	3014	3072	3142
7/18/24 21:00	7.54	275.10	26.23	4.58	16.27	42.37	41.45	45.93	1.33	423.33	352.16	17.19	6.21	2949	3041	3142
7/18/24 22:00	7.47	275.35	26.11	4.64	16.24	42.34	41.84	45.93	1.31	422.52	343.56	17.21	6.20	2896	3000	3141
7/18/24 23:00	7.60	274.98	30.35	4.61	16.14	49.03	44.58	45.93	1.26	422.66	332.87	17.24	6.16	2830	2953	3141
7/19/24 0:00	7.49	273.37	30.33	4.61	16.22	49.07	46.81	45.94	1.26	420.71	312.42	17.28	6.08	2690	2892	3140
7/19/24 1:00	7.52	272.72	32.97	4.76	16.32	53.90	50.67	45.96	1.26	419.04	307.99	17.28	6.12	2654	2805	3139
7/19/24 2:00	7.32	272.23	33.58	4.70	16.62	55.06	52.68	45.98	1.25	417.75	299.15	17.31	6.07	2596	2725	3138
7/19/24 3:00	7.17	271.55	31.30	4.66	16.62	51.17	53.38	45.99	1.26	415.99	291.27	17.34	5.97	2540	2646	3136
7/19/24 4:00	7.16	270.76	31.28	4.62	16.57	50.92	52.38	46.00	1.26	414.43	287.12	17.34	5.95	2502	2596	3135
7/19/24 5:00	7.18	269.73	31.66	4.61	16.56	51.50	51.20	46.02	1.25	413.26	280.84	17.33	5.93	2433	2546	3134
7/19/24 6:00	7.24	270.12	31.08	4.61	16.55	50.53	50.98	46.03	1.25	413.00	277.36	17.34	5.89	2405	2492	3132
7/19/24 7:00	7.27	270.71	31.02	4.66	16.51	50.42	50.82	46.04	1.25	413.23	273.73	17.32	5.90	2360	2447	3130
7/19/24 8:00	7.26	273.09	29.22	4.56	16.69	47.42	49.46	46.04	1.22	415.47	289.20	17.26	6.02	2453	2399	3129
7/19/24 9:00	7.22	273.98	29.37	4.54	16.65	47.57	48.47	46.04	1.27	420.49	332.74	17.24	6.18	2835	2406	3127
7/19/24 10:00	7.21	275.66	29.96	4.64	16.64	48.89	47.96	46.05	1.27	421.17	294.05	17.26	6.21	2534	2550	3126
7/19/24 11:00	7.23	274.26	29.13	4.60	16.56	47.35	47.94	46.05	1.27	421.50	291.96	17.30	6.07	2532	2607	3125
7/19/24 12:00	7.21	275.14	28.81	4.52	16.45	46.45	47.56	46.05	1.26	421.30	288.07	17.29	6.14	2505	2634	3124
7/19/24 13:00	7.13	274.57	27.87	4.61	16.30	45.06	46.29	46.05	1.25	422.08	288.52	17.31	6.13	2520	2523	3122
7/19/24 14:00	7.14	271.25	26.87	4.57	16.48	43.52	45.01	46.04	1.25	422.19	290.52	17.29	6.21	2541	2519	3121
7/19/24 15:00	7.13	270.32	26.74	4.55	16.54	43.28	43.95	46.04	1.25	421.64	288.92	17.30	6.24	2539	2522	3120
7/19/24 16:00	7.11	270.48	26.47	4.58	16.51	42.92	43.24	46.03	1.25	421.55	288.98	17.27	6.36	2531	2533	3118
7/19/24 17:00	7.08	270.63	27.28	4.59	16.53	44.30	43.50	46.03	1.26	422.04	290.34	17.23	6.48	2529	2537	3117
7/19/24 18:00	7.10	270.83	28.09	4.57	16.54	45.54	44.26	46.03	1.25	421.88	283.70	17.23	6.49	2479	2533	3116
7/19/24 19:00	7.08	270.87	28.30	4.51	16.58	45.68	45.18	46.03	1.24	421.42	285.05	17.22	6.56	2492	2513	3114
7/19/24 20:00	7.14	269.95	28.56	4.54	16.61	46.26	45.83	46.03	1.24	420.27	286.91	17.18	6.65	2486	2500	3113
7/19/24 21:00	7.08	269.17	27.81	4.54	16.62	45.02	45.65	46.02	1.24	419.95	290.54	17.19	6.58	2511	2486	3112
7/19/24 22:00	7.09	268.35	27.55	4.55	16.71	44.71	45.33	46.02	1.24	418.84	287.09	17.28	6.22	2498	2497	3110
7/19/24 23:00	7.18	268.22	27.06	4.54	16.71	43.87	44.53	46.02	1.24	418.70	288.90	17.22	6.17	2444	2499	3109
7/20/24 0:00	7.17	266.43	27.24	4.54	16.71	44.17	44.25	46.01	1.24	417.85	286.90	17.23	6.14	2434	2485	3108
7/20/24 1:00	7.16	265.80	28.99	4.60	16.52	47.01	45.02	46.01	1.25	416.76	286.20	17.25	6.14	2441	2459	3106
7/20/24 2:00	7.12	265.69	29.08	4.59	16.69	47.32	46.17	46.02	1.25	416.26	294.39	17.23	6.16	2499	2440	3105
7/20/24 3:00	7.17	265.61	29.62	4.64	16.65	48.35	47.56	46.02	1.24	416.98	297.68	17.20	6.20	2506	2458	3103
7/20/24 4:00	7.15	264.74	28.17	4.57	16.45	45.57	47.08	46.02	1.24	417.88	301.62	17.21	6.24	2559	2482	3102
7/20/24 5:00	7.08	264.07	27.97	4.58	16.50	45.35	46.43	46.02	1.24	417.50	304.06	17.22	6.27	2593	2522	3101
7/20/24 6:00	7.11	264.48	28.13	4.56	16.38	45.46	45.46	46.02	1.24	417.52	301.74	17.23	6.25	2581	2553	3100
7/20/24 7:00	7.09	265.18	27.47	4.64	16.17	44.37	45.06	46.02	1.24	418.29	300.45	17.20	6.28	2542	2578	3099
7/20/24 8:00	7.07	266.95	27.26	4.57	16.37	44.06	44.63	46.01	1.26	419.60	314.09	17.15	6.43	2637	2572	3097
7/20/24 9:00	7.02	268.31	27.41	4.61	16.50	44.57	44.33	46.01	1.26	423.32	327.41	17.11	6.56	2737	2587	3096
7/20/24 10:00	7.13	270.52	28.09	4.65	16.59	45.85	44.83	46.01	1.25	424.64	334.87	17.09	6.73	2811	2639	3096
7/20/24 11:00	7.15	271.37	26.78	4.55	16.49	43.30	44.57	46.00	1.25	425.46	342.82	17.06	6.81	2869	2728	3095
7/20/24 12:00	7.04	272.00	26.43	4.56	16.46	42.78	43.98	45.99	1.24	425.63	338.03	17.08	6.81	2856	2805	3095
7/20/24 13:00	7.02	272.29	27.63	4.65	16.33	44.74	43.61	45.99	1.24	425.29	335.17	17.10	6.79	2839	2845	3094
7/20/24 14:00	7.08	272.59	27.63	4.55	16.48	44.68	44.07	45.99	1.24	426.98	334.76	17.10	6.76	2838	2855	3094
7/20/24 15:00	7.06	272.70	28.84	4.55	16.49	46.61	45.34	45.99	1.24	427.86	336.42	17.12	6.69	2853	2844	3093
7/20/24 16:00	7.03	273.52	29.98	4.51	16.45	48.28	46.52	46.00	1.22	427.56	331.05	17.16	6.57	2821	2843	3092
7/20/24 17:00	7.00	274.20	30.47	4.50	16.43	49.05	47.98	46.00	1.22	426.78	330.39	17.16	6.57	2815	2837	3092
7/20/24 18:00	7.01	274.90	29.94	4.50	16.44	48.19	48.50	46.01	1.21	427.75	327.11	17.20	6.38	2794	2830	3091
7/20/24 19:00	7.01	275.04	27.60	4.46	16.40	44.26	47.16	46.00	1.21	427.43	319.99	17.24	6.22	2737	2810	3091
7/20/24 20:00	6.99	274.08	25.06	4.48	16.42	40.26	44.24	45.99	1.20	426.97	315.83	17.24	6.18	2694	2782	3090
7/20/24 21:00	6.99	273.06	26.08	4.47	16.39	41.85	42.12	45.98	1.21	426.61	316.57	17.24	6.21	2709	2741	3089
7/20/24 22:00	7.01	272.64	25.43	4.50	16.42	40.91	41.01	45.97	1.21	425.54	313.58	17.24	6.23	2685	2713	3088
7/20/24 23:00	7.03	269.63	25.82	4.48	16.36	41.47	41.41	45.96	1.23	423.90	311.75	17.23	6.25	2660	2696	3087
7/21/24 0:00	7.03	269.12	27.37	4.53	16.36	44.08	42.15	45.96	1.22	423.19	315.06	17.22	6.25	2678	2685	3087
7/21/24 1:00	7.08	269.32	30.05	4.63	16.20	48.55	44.70	45.96	1.25	422.41	316.02	17.20	6.32	2681	2674	3086
7/21/24 2:00	7.06	268.92	30.85	4.63	16.40	50.14	47.59	45.97	1.24	423.25	322.11	17.20	6.37	2748	2673	3085
7/21/24 3:00	7.08	268.10	29.46	4.60	16.58	47.88	48.86	45.98	1.23	423.78	328.02	17.20	6.38	2797	2702	3084
7/21/24 4:00	7.12	267.46	26.72	4.52	16.54	43.15	47.06	45.97	1.22	424.07	328.96	17.21	6.37	2817	2742	3084
7/21/24 5:00	7.08	266.53	28.44	4.56	16.69	46.17	45.73	45.97	1.23	423.38	328.28	17.21	6.36	2809	2787	3083
7/21/24 6:00	7.12	266.57	29.13	4.58	16.77	47.43	45									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
7/22/24 0:00	7.04	269.62	34.24	4.59	16.39	55.42	45.75	45.86	1.31	422.21	324.37	17.25	6.23	2791	2870	3074
7/22/24 1:00	7.10	268.18	33.78	4.68	16.32	54.87	52.60	45.88	1.29	421.80	331.00	17.24	6.19	2829	2838	3074
7/22/24 2:00	7.09	267.04	32.78	4.57	16.55	53.12	54.47	45.89	1.30	420.81	328.23	17.25	6.17	2812	2833	3073
7/22/24 3:00	7.06	266.79	31.31	4.57	16.62	50.82	52.94	45.90	1.27	420.62	331.05	17.22	6.27	2826	2811	3073
7/22/24 4:00	7.07	266.70	32.37	4.56	16.67	52.54	52.16	45.92	1.25	422.29	335.87	17.19	6.32	2843	2822	3072
7/22/24 5:00	7.09	266.60	34.17	4.56	16.70	55.50	52.95	45.93	1.27	421.67	334.83	17.20	6.27	2831	2827	3072
7/22/24 6:00	7.10	267.59	32.25	4.59	16.64	52.43	53.49	45.95	1.28	422.21	346.67	17.18	6.29	2910	2833	3071
7/22/24 7:00	7.11	268.41	34.38	4.63	16.47	55.79	54.57	45.97	1.28	423.60	361.11	17.11	6.42	2979	2861	3071
7/22/24 8:00	7.07	269.25	35.38	4.54	16.69	57.36	55.19	45.99	1.32	423.29	358.05	17.10	6.48	2962	2907	3071
7/22/24 9:00	7.03	270.46	34.53	4.54	16.83	56.11	56.42	46.01	1.25	425.85	366.75	17.08	6.56	3032	2950	3071
7/22/24 10:00	7.02	271.72	36.57	4.64	17.00	60.08	57.85	46.04	1.27	428.90	377.95	17.06	6.62	3111	2991	3070
7/22/24 11:00	7.25	271.72	37.38	4.68	16.80	61.35	59.18	46.07	1.23	437.09	427.21	16.92	6.87	3395	3035	3071
7/22/24 12:00	7.21	271.67	36.67	4.53	16.92	59.60	60.34	46.09	1.25	444.40	464.74	16.77	7.13	3572	3179	3071
7/22/24 13:00	7.20	271.59	34.27	4.62	16.58	55.63	58.86	46.11	1.25	440.66	384.05	16.99	6.85	3134	3359	3072
7/22/24 14:00	7.17	271.22	33.40	4.59	16.56	54.25	56.50	46.13	1.24	435.47	370.35	17.10	6.76	3136	3367	3072
7/22/24 15:00	7.20	271.85	33.33	4.57	16.56	54.04	54.64	46.14	1.22	430.78	518.07	17.14	6.72	4433	3281	3072
7/22/24 16:00	7.12	271.93	34.05	4.53	16.50	55.01	54.43	46.16	1.24	428.68	339.30	17.12	6.76	2897	3568	3075
7/22/24 17:00	7.16	271.81	34.05	4.52	16.47	54.91	54.65	46.17	1.24	430.51	348.69	17.07	6.84	2943	3489	3075
7/22/24 18:00	7.13	272.51	34.85	4.50	16.44	56.09	55.34	46.19	1.22	428.50	382.48	17.14	6.73	3281	3424	3074
7/22/24 19:00	7.12	271.35	33.50	4.52	16.39	53.96	54.99	46.21	1.22	428.13	621.50	17.12	6.79	5302	3040	3075
7/22/24 20:00	7.11	269.68	29.91	4.53	16.36	48.17	52.74	46.21	1.23	430.01	359.25	17.08	6.81	3032	3842	3079
7/22/24 21:00	7.14	269.14	29.54	4.55	16.20	47.55	49.89	46.21	1.21	430.13	388.59	17.07	6.87	3270	3872	3079
7/22/24 22:00	7.15	271.26	30.27	4.56	16.00	48.60	48.11	46.22	1.22	429.64	444.37	17.05	6.93	3731	3868	3079
7/22/24 23:00	7.11	271.51	32.74	4.57	15.99	52.61	49.59	46.23	1.22	429.62	416.97	17.06	6.92	3521	3344	3081
7/23/24 0:00	7.14	271.39	33.22	4.56	15.95	53.31	51.51	46.24	1.21	428.36	417.57	17.06	6.92	3523	3507	3081
7/23/24 1:00	7.16	272.05	33.52	4.63	15.90	53.86	53.26	46.26	1.20	428.10	422.52	17.09	6.71	3545	3592	3082
7/23/24 2:00	7.04	271.13	34.88	4.57	16.19	56.23	54.47	46.28	1.23	425.57	396.11	17.16	6.48	3350	3530	3083
7/23/24 3:00	7.27	270.61	35.05	4.59	16.31	56.68	55.59	46.30	1.23	423.65	464.89	17.15	6.49	3913	3473	3084
7/23/24 4:00	7.16	270.25	34.74	4.57	16.50	56.27	56.39	46.32	1.27	423.44	444.00	17.11	6.52	3697	3603	3085
7/23/24 5:00	6.93	270.76	34.99	4.61	16.64	57.00	56.65	46.34	1.24	425.53	420.49	17.11	6.51	3494	3654	3086
7/23/24 6:00	6.93	269.92	35.53	4.64	16.82	58.17	57.15	46.36	1.23	428.68	462.94	17.09	6.55	3832	3701	3087
7/23/24 7:00	6.97	271.44	38.24	4.77	16.72	62.88	59.35	46.39	1.24	428.51	492.86	17.10	6.49	4069	3674	3088
7/23/24 8:00	6.97	271.83	53.45	4.69	16.98	88.10	69.72	46.47	1.24	427.29	454.60	17.12	6.40	3770	3798	3090
7/23/24 9:00	6.98	272.60	64.03	4.85	16.92	106.76	85.91	46.58	1.25	430.52	657.68	17.09	6.56	5424	3890	3092
7/23/24 10:00	6.97	274.93	66.46	4.92	17.30	112.14	102.33	46.70	1.23	434.24	435.05	17.10	6.49	3605	4421	3096
7/23/24 11:00	7.02	274.15	64.94	4.61	16.99	106.40	108.43	46.81	1.24	435.29	413.37	17.04	6.59	3369	4266	3097
7/23/24 12:00	6.80	274.41	54.43	4.44	16.94	87.94	102.16	46.89	1.26	438.14	441.99	16.98	6.72	3557	4133	3097
7/23/24 13:00	6.60	274.13	46.04	4.54	16.85	74.53	89.62	46.94	1.24	442.32	457.90	16.90	6.97	3640	3510	3098
7/23/24 14:00	6.58	275.24	45.81	4.46	16.96	74.14	78.87	46.99	1.24	445.03	450.87	16.82	7.26	3562	3522	3099
7/23/24 15:00	6.63	274.96	44.22	4.42	16.85	71.23	73.30	47.03	1.23	447.19	474.41	16.78	7.42	3745	3586	3100
7/23/24 16:00	6.56	273.42	40.93	4.43	16.79	65.91	70.43	47.07	1.22	448.76	468.23	16.72	7.55	3649	3649	3101
7/23/24 17:00	6.56	271.88	38.61	4.42	16.78	62.11	66.42	47.09	1.24	448.31	459.18	16.71	7.66	3599	3652	3102
7/23/24 18:00	6.55	270.72	36.52	4.46	16.92	59.04	62.36	47.12	1.23	449.22	460.27	16.66	7.69	3549	3664	3103
7/23/24 19:00	6.63	270.29	35.78	4.34	17.08	57.48	59.55	47.14	1.24	448.78	452.11	16.66	7.68	3477	3599	3104
7/23/24 20:00	6.68	269.52	33.92	4.44	17.13	54.95	57.16	47.15	1.24	448.22	457.43	16.64	7.70	3508	3542	3105
7/23/24 21:00	6.77	268.95	33.48	4.44	17.21	54.30	55.58	47.16	1.24	445.85	454.77	16.70	7.70	3553	3511	3105
7/23/24 22:00	6.78	267.79	33.15	4.41	17.13	53.57	54.27	47.17	1.24	444.69	453.25	16.63	7.82	3488	3513	3106
7/23/24 23:00	6.69	266.27	32.24	4.44	17.09	52.21	53.36	47.18	1.25	444.13	455.29	16.70	7.69	3559	3516	3107
7/24/24 0:00	6.70	263.18	31.14	4.43	16.94	50.27	52.02	47.19	1.25	441.90	427.20	16.77	7.41	3349	3533	3108
7/24/24 1:00	6.66	262.71	31.92	4.55	16.81	51.78	51.42	47.20	1.25	444.56	438.60	16.68	7.54	3363	3465	3108
7/24/24 2:00	6.78	263.35	32.68	4.51	17.12	53.21	51.76	47.21	1.25	445.00	436.84	16.69	7.55	3365	3424	3109
7/24/24 3:00	6.90	262.57	32.10	4.47	16.91	51.94	52.31	47.22	1.23	442.35	425.75	16.79	7.20	3312	3359	3109
7/24/24 4:00	6.78	262.08	30.87	4.43	16.75	49.68	51.61	47.22	1.23	441.18	434.36	16.79	7.14	3359	3347	3109
7/24/24 5:00	6.61	262.32	32.49	4.48	16.84	52.53	51.38	47.23	1.25	443.19	431.08	16.74	7.31	3324	3345	3110
7/24/24 6:00	6.66	262.32	31.13	4.54	16.75	50.51	50.91	47.24	1.24	443.38	431.40	16.74	7.36	3342	3332	3110
7/24/24 7:00	6.70	262.97	31.23	4.66	16.44	50.77	51.27	47.24	1.24	440.81	427.65	16.72	7.44	3308	3342	3111
7/24/24 8:00	6.66	265.08	31.25	4.57	16.58	50.71	50.66	47.25	1.25	440.81	442.97	16.63	7.62	3362	3325	3111
7/24/24 9:00	6.68	266.94	31.58	4.56	16.59	51.19	50.89	47.26	1.25	442.43	453.27	16.59	7.77	3420	3338	3112
7/24/24 10:00	6.62	267.84	32.54	4.84	16.31	53.65	51.85	47.27	1.24	443.66	443.46	16.60	7.68	3342	3363	3112
7/24/24 11:00	6.79	264.78	33.84	4.81	16.74	56.08	53.64	47.28	1.26	440.34	435.73	16.63	7.44	3262	3375	3112
7/24/24 12:00	6.84	264.51	34.17	4.57	16.56	55.37	55.03	47.30	1.27	437.27	435.31	16.71	7.29	3316	3341	3113
7/24/24 13:00	6.67	265.35	32.94	4.68	16.38	53.53	54.99	47.31	1.27	436.42	429.06	16.70	7.43	3287	3307	3113
7/24/24 14:00	6.65	268.57	31.88	4.62	16.57	51.92	53.61	47.32	1.26	436.51	439.60	16.63	7.64	3342	3289	3113
7/24/24 15:00	6.61	269.16	31.57	4.64	16.54	51.45	52.30	47.32	1.24	440.19	432.37	16.66	7.46	3279	3315	3114
7/24/24 16:00	6.63	267.93	32.60	4.65	16.54	53.18	52.18	47.33	1.24	440.94	439.32	16.59	7.12	3166	3303	3114
7/24/24 17:00	6.65	267.18	32.85	4.63	16.53	53.50	52.71	47.34	1.24	439.49	415.56	16.61	7.14	3015	3262	3114
7/24/24 18:00	6.61	268.44	33.43	4.63	16.50	54.41	53.69</									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
7/25/24 12:00	6.75	266.58	35.67	4.74	16.67	58.70	56.62	47.64	1.29	441.07	461.18	16.86	6.69	3543	3507	3123
7/25/24 13:00	6.84	267.58	35.51	4.72	16.27	57.90	58.18	47.65	1.28	441.95	480.23	16.86	6.65	3673	3549	3124
7/25/24 14:00	6.73	267.88	35.38	4.65	16.50	57.64	58.08	47.67	1.27	442.00	468.42	16.89	6.63	3613	3590	3124
7/25/24 15:00	6.79	266.41	35.61	4.64	16.48	57.98	57.84	47.69	1.24	445.86	467.31	16.77	7.11	3591	3610	3125
7/25/24 16:00	6.78	265.20	35.25	4.65	16.46	57.43	57.69	47.71	1.25	446.87	462.76	16.79	7.05	3562	3626	3126
7/25/24 17:00	6.77	266.30	35.40	4.65	16.46	57.67	57.70	47.72	1.26	446.66	490.20	16.79	6.90	3735	3588	3127
7/25/24 18:00	6.75	266.12	35.43	4.64	16.49	57.69	57.60	47.74	1.31	443.06	458.83	16.90	6.64	3559	3629	3128
7/25/24 19:00	6.76	268.39	31.05	4.63	16.50	50.56	55.31	47.74	1.29	439.99	467.09	16.93	6.55	3647	3618	3129
7/25/24 20:00	6.80	268.45	27.32	4.53	16.62	44.19	50.81	47.74	1.31	439.64	454.85	16.90	6.56	3509	3647	3129
7/25/24 21:00	6.77	268.07	26.48	4.53	16.65	42.87	45.87	47.73	1.32	438.59	448.16	16.94	6.47	3481	3572	3130
7/25/24 22:00	6.76	266.86	27.96	4.56	16.75	45.44	44.17	47.73	1.32	437.70	447.13	16.93	6.50	3470	3546	3131
7/25/24 23:00	6.79	266.21	28.35	4.57	16.75	46.09	44.80	47.72	1.27	438.85	456.51	16.89	6.59	3522	3487	3131
7/26/24 0:00	6.84	266.36	28.74	4.54	16.79	46.68	46.07	47.72	1.24	439.04	441.36	16.91	6.56	3424	3491	3132
7/26/24 1:00	6.82	264.37	29.96	4.63	16.52	48.67	47.14	47.72	1.24	438.06	440.89	16.90	6.63	3419	3472	3132
7/26/24 2:00	6.82	263.07	30.45	4.60	16.73	49.65	48.33	47.73	1.25	437.04	439.02	16.89	6.68	3399	3455	3133
7/26/24 3:00	6.81	262.89	31.58	4.65	16.68	51.62	49.98	47.73	1.25	436.64	442.86	16.88	6.66	3414	3414	3133
7/26/24 4:00	6.81	262.19	31.41	4.64	16.75	51.34	50.87	47.74	1.25	436.11	436.79	16.90	6.62	3388	3411	3134
7/26/24 5:00	6.77	262.03	31.25	4.65	16.77	51.16	51.37	47.74	1.25	433.50	410.57	16.97	6.51	3234	3401	3134
7/26/24 6:00	6.80	261.91	31.59	4.69	16.94	52.01	51.50	47.75	1.25	432.23	400.25	16.98	6.49	3157	3345	3134
7/26/24 7:00	6.83	262.40	33.74	4.77	16.81	55.68	52.95	47.76	1.24	431.45	402.50	16.96	6.50	3157	3260	3134
7/26/24 8:00	6.87	264.85	34.08	4.67	17.02	56.12	54.60	47.78	1.25	432.10	408.30	16.92	6.54	3173	3183	3134
7/26/24 9:00	6.83	266.90	31.44	4.67	16.84	51.61	54.47	47.78	1.26	435.58	419.39	16.87	6.78	3258	3162	3134
7/26/24 10:00	6.79	267.20	32.72	4.84	16.98	54.53	54.09	47.80	1.25	438.43	416.46	16.89	6.86	3279	3196	3135
7/26/24 11:00	7.00	267.26	28.80	5.12	16.58	48.77	51.64	47.80	1.26	436.39	402.99	16.92	6.85	3202	3237	3135
7/26/24 12:00	6.95	267.82	29.64	5.14	16.27	50.03	51.11	47.80	1.24	433.66	383.90	16.95	6.85	3083	3246	3135
7/26/24 13:00	6.92	267.88	36.28	5.15	16.09	60.87	53.22	47.82	1.24	432.74	381.45	16.98	6.71	3072	3188	3135
7/26/24 14:00	6.91	268.23	49.12	5.00	16.30	81.97	64.29	47.88	1.25	435.57	379.39	16.97	6.74	3051	3119	3135
7/26/24 15:00	6.89	268.62	51.86	4.77	16.49	85.32	76.05	47.94	1.23	436.92	378.53	16.99	6.72	3058	3069	3135
7/26/24 16:00	6.85	268.67	48.22	4.54	16.72	78.21	81.83	47.99	1.22	437.45	365.45	16.98	6.79	2963	3060	3135
7/26/24 17:00	6.78	268.54	44.57	4.54	16.77	72.33	78.62	48.03	1.22	438.39	375.38	16.95	6.95	3043	3024	3134
7/26/24 18:00	6.78	268.81	40.97	4.59	16.78	66.75	72.43	48.06	1.22	437.63	367.38	16.93	7.06	2981	3021	3134
7/26/24 19:00	6.84	268.91	34.99	4.62	16.72	57.14	65.40	48.07	1.21	436.87	354.61	16.93	7.08	2886	2996	3134
7/26/24 20:00	6.83	268.59	28.28	4.59	16.72	46.02	56.63	48.07	1.24	435.45	356.32	16.94	7.07	2901	2970	3134
7/26/24 21:00	6.83	268.60	28.88	4.64	16.65	47.14	50.10	48.07	1.23	433.67	350.48	16.99	6.80	2853	2923	3133
7/26/24 22:00	6.81	269.48	32.92	4.64	16.76	53.85	49.00	48.08	1.25	432.68	343.96	17.00	6.84	2822	2880	3133
7/26/24 23:00	6.82	271.04	32.73	4.65	16.88	53.67	51.55	48.08	1.30	429.46	340.14	17.04	6.74	2806	2858	3132
7/27/24 0:00	6.86	269.79	31.94	4.66	16.95	52.46	53.32	48.09	1.27	428.55	340.62	17.08	6.53	2806	2827	3132
7/27/24 1:00	6.87	269.03	35.12	4.71	16.68	57.52	54.55	48.11	1.27	427.43	342.92	17.11	6.32	2814	2811	3131
7/27/24 2:00	6.84	268.26	36.86	4.66	16.77	60.38	56.79	48.13	1.26	427.72	345.57	17.10	6.35	2830	2808	3131
7/27/24 3:00	6.84	267.05	36.72	4.68	16.75	60.24	59.38	48.15	1.23	428.20	346.44	17.08	6.42	2833	2816	3130
7/27/24 4:00	6.82	265.47	36.57	4.70	16.70	60.04	60.22	48.16	1.26	426.72	342.85	17.08	6.44	2803	2826	3130
7/27/24 5:00	6.83	264.50	36.23	4.66	16.68	59.27	59.85	48.18	1.25	426.28	349.51	17.04	6.50	2828	2822	3129
7/27/24 6:00	6.83	265.13	35.80	4.64	16.68	58.49	59.27	48.20	1.23	428.26	351.97	17.03	6.54	2844	2821	3129
7/27/24 7:00	6.79	266.52	37.13	4.70	16.58	60.63	59.46	48.22	1.24	428.22	340.63	17.05	6.49	2768	2825	3128
7/27/24 8:00	6.83	267.63	38.20	4.63	16.75	62.44	60.52	48.24	1.25	428.27	350.51	17.01	6.57	2817	2813	3128
7/27/24 9:00	6.88	268.79	37.90	4.65	16.85	62.14	61.74	48.26	1.23	431.18	358.17	16.99	6.67	2879	2810	3127
7/27/24 10:00	6.92	269.61	35.84	4.62	16.76	58.51	61.03	48.28	1.21	435.34	353.04	16.99	6.74	2860	2821	3127
7/27/24 11:00	6.98	269.69	35.03	4.70	17.02	57.80	59.48	48.29	1.23	436.73	355.27	16.97	6.86	2884	2852	3126
7/27/24 12:00	7.05	270.12	33.95	4.70	16.58	55.61	57.31	48.31	1.24	437.06	357.30	16.95	6.98	2908	2874	3126
7/27/24 13:00	6.98	269.96	32.97	4.72	16.52	53.87	55.76	48.31	1.23	437.27	356.66	16.96	6.97	2903	2884	3126
7/27/24 14:00	6.90	270.74	34.01	4.54	16.73	55.18	54.89	48.32	1.22	438.28	355.15	16.96	6.98	2901	2898	3125
7/27/24 15:00	6.85	271.42	30.43	4.57	16.69	49.41	52.82	48.33	1.20	438.26	356.86	16.96	7.01	2912	2904	3125
7/27/24 16:00	6.84	271.74	30.02	4.64	16.62	49.00	51.20	48.33	1.21	438.57	353.79	16.96	6.99	2894	2906	3125
7/27/24 17:00	6.87	271.51	29.71	4.73	16.56	48.77	49.06	48.33	1.22	439.69	355.24	16.95	7.04	2896	2902	3124
7/27/24 18:00	6.89	270.62	30.57	4.74	16.56	50.24	49.34	48.33	1.20	438.82	354.18	16.95	7.09	2899	2901	3124
7/27/24 19:00	6.94	269.77	33.74	4.80	16.60	55.70	51.57	48.34	1.20	438.34	348.98	16.94	7.08	2847	2896	3124
7/27/24 20:00	6.89	269.52	37.33	4.73	16.79	61.50	55.81	48.36	1.20	438.25	347.36	16.91	7.20	2825	2881	3123
7/27/24 21:00	6.90	269.43	38.71	4.70	16.83	63.69	60.30	48.39	1.21	437.51	346.54	16.89	7.28	2821	2857	3123
7/27/24 22:00	6.97	269.86	38.25	4.67	16.98	62.91	62.70	48.41	1.22	436.58	341.64	16.93	7.12	2786	2831	3122
7/27/24 23:00	6.95	270.48	40.08	4.61	16.89	65.53	64.04	48.44	1.22	435.25	338.71	16.96	7.08	2784	2811	3122
7/28/24 0:00	6.93	268.80	41.48	4.62	16.80	67.79	65.41	48.47	1.21	432.84	324.89	17.00	6.94	2687	2797	3121
7/28/24 1:00	6.96	268.37	50.36	4.70	16.72	82.50	71.94	48.52	1.20	431.63	328.07	17.02	6.84	2713	2753	3120
7/28/24 2:00	6.95	267.37	51.39	4.63	16.93	84.24	78.18	48.57	1.22	430.32	329.00	17.02	6.77	2705	2728	3120
7/28/24 3:00	6.98	266.93	47.92	4.64	16.99	78.68	81.81	48.62	1.21	429.74	332.53	17.04	6.72	2738	2702	3119
7/28/24 4:00	6.98	267.01	47.53	4.64	17.02	78.07	80.33	48.66	1.22	429.58	337.03	17.02	6.71	2756	2719	3119
7/28/24 5:00	6.99	267.19	47.71	4.65	17.03	78.44	78.40	48.71	1.23	428.53	332.60	17.04	6.66	2725	2733	3118
7/28/24 6:00	6.98	268.35	46.98	4.62	17.12	77.16	77.89									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
7/29/24 0:00	7.07	274.24	28.73	4.58	17.02	46.98	49.08	49.34	1.25	430.25	355.03	16.84	7.44	2867	2852	3110
7/29/24 1:00	7.09	273.61	30.04	4.66	16.96	49.23	47.93	49.34	1.23	431.06	355.61	16.84	7.36	2857	2855	3109
7/29/24 2:00	7.08	273.01	30.74	4.58	17.11	50.35	48.85	49.34	1.21	432.51	351.77	16.87	7.22	2826	2858	3109
7/29/24 3:00	7.09	271.97	29.48	4.60	17.07	48.33	49.30	49.34	1.22	432.20	355.58	16.89	7.12	2858	2850	3109
7/29/24 4:00	7.18	271.48	28.29	4.60	17.03	46.34	48.34	49.34	1.23	431.27	355.13	16.92	7.02	2862	2847	3108
7/29/24 5:00	7.22	270.64	28.44	4.60	17.09	46.64	47.10	49.33	1.24	429.61	350.70	16.94	6.92	2831	2848	3108
7/29/24 6:00	7.20	269.63	29.08	4.62	17.08	47.72	46.90	49.33	1.26	428.56	347.37	16.96	6.88	2814	2850	3107
7/29/24 7:00	7.18	270.80	27.73	4.69	16.88	45.46	46.61	49.32	1.22	429.15	341.01	16.96	6.88	2754	2835	3107
7/29/24 8:00	7.17	272.44	25.33	4.62	17.09	41.59	44.92	49.31	1.22	430.95	352.16	16.88	7.06	2809	2799	3107
7/29/24 9:00	7.14	272.69	25.63	4.69	17.02	42.25	43.10	49.30	1.23	434.86	353.12	16.87	7.17	2821	2792	3106
7/29/24 10:00	7.16	273.07	24.12	4.94	17.12	40.64	41.49	49.29	1.21	437.26	352.88	16.86	7.25	2831	2794	3106
7/29/24 11:00	7.32	274.69	22.78	4.98	16.95	38.39	40.43	49.27	1.20	437.65	359.16	16.84	7.37	2884	2820	3105
7/29/24 12:00	7.27	274.72	24.10	4.85	17.05	40.24	39.76	49.26	1.20	440.12	364.14	16.81	7.48	2923	2845	3105
7/29/24 13:00	7.21	276.03	33.70	4.76	17.02	55.71	44.78	49.27	1.20	440.38	354.96	16.82	7.51	2860	2879	3105
7/29/24 14:00	7.22	276.18	32.48	4.65	17.11	53.45	49.80	49.28	1.21	440.25	353.38	16.81	7.56	2849	2889	3104
7/29/24 15:00	7.15	278.29	29.48	4.63	17.16	48.48	52.55	49.27	1.22	437.88	357.33	16.80	7.59	2883	2877	3104
7/29/24 16:00	7.18	280.30	28.45	4.62	17.14	46.75	49.56	49.27	1.22	435.91	356.02	16.83	7.54	2885	2864	3104
7/29/24 17:00	7.18	279.55	29.28	4.66	17.22	48.34	47.86	49.27	1.21	435.44	358.41	16.80	7.60	2894	2873	3103
7/29/24 18:00	7.21	278.80	28.38	4.70	17.15	46.95	47.35	49.27	1.20	436.79	356.59	16.81	7.60	2881	2887	3103
7/29/24 19:00	7.29	277.18	26.69	4.71	17.08	44.14	46.48	49.26	1.19	435.34	352.51	16.82	7.53	2850	2887	3103
7/29/24 20:00	7.29	276.17	23.03	4.66	17.01	37.89	42.99	49.24	1.21	434.15	351.96	16.83	7.50	2844	2875	3102
7/29/24 21:00	7.29	275.97	22.82	4.64	16.99	37.46	39.83	49.23	1.21	434.03	349.65	16.82	7.54	2824	2858	3102
7/29/24 22:00	7.24	276.90	22.17	4.63	16.99	36.37	37.24	49.21	1.22	433.18	356.94	16.80	7.56	2875	2839	3102
7/29/24 23:00	6.88	277.46	22.36	4.65	17.03	36.76	36.86	49.19	1.23	432.59	355.26	16.79	7.61	2856	2848	3101
7/30/24 0:00	6.76	276.47	22.14	4.63	16.99	36.32	36.48	49.17	1.23	433.10	360.77	16.77	7.68	2896	2852	3101
7/30/24 1:00	6.76	275.79	24.50	4.69	16.89	40.22	37.77	49.16	1.19	434.52	350.79	16.77	7.70	2816	2875	3101
7/30/24 2:00	6.78	274.92	24.53	4.54	16.99	39.97	38.84	49.14	1.17	435.81	349.43	16.77	7.66	2802	2856	3100
7/30/24 3:00	6.74	274.01	24.58	4.54	17.07	40.11	40.10	49.13	1.19	436.06	354.29	16.79	7.58	2836	2838	3100
7/30/24 4:00	6.76	273.76	24.18	4.55	17.08	39.48	39.85	49.12	1.19	437.92	360.77	16.73	7.74	2865	2818	3099
7/30/24 5:00	6.70	273.88	24.49	4.58	17.17	40.13	39.91	49.11	1.21	439.15	356.28	16.73	7.76	2829	2834	3099
7/30/24 6:00	6.64	275.11	23.93	4.53	16.96	38.92	39.51	49.09	1.19	439.21	359.87	16.73	7.75	2866	2844	3099
7/30/24 7:00	6.67	276.56	24.80	4.60	16.81	40.37	39.81	49.08	1.21	439.70	350.42	16.73	7.76	2782	2853	3098
7/30/24 8:00	6.67	277.77	29.14	4.59	17.16	47.80	42.37	49.08	1.21	439.81	350.51	16.72	7.71	2766	2826	3098
7/30/24 9:00	6.71	277.82	31.36	4.66	17.18	51.75	46.64	49.08	1.20	440.74	347.66	16.75	7.63	2761	2804	3097
7/30/24 10:00	6.80	276.23	31.91	4.68	17.20	52.74	50.76	49.09	1.19	441.20	342.12	16.77	7.60	2728	2769	3097
7/30/24 11:00	6.78	272.39	30.54	4.63	17.19	50.28	51.59	49.09	1.18	441.36	348.42	16.76	7.66	2776	2751	3096
7/30/24 12:00	6.77	271.49	29.90	4.48	17.02	48.49	50.50	49.09	1.19	441.47	346.99	16.78	7.59	2776	2755	3096
7/30/24 13:00	6.61	271.02	26.79	4.57	16.83	43.51	47.43	49.08	1.19	439.59	348.09	16.80	7.59	2801	2760	3095
7/30/24 14:00	6.64	270.50	24.72	4.48	17.01	40.10	44.03	49.07	1.19	436.90	345.35	16.82	7.52	2791	2784	3095
7/30/24 15:00	6.59	271.51	23.60	4.52	16.88	38.32	40.64	49.05	1.19	438.42	351.43	16.77	7.67	2818	2789	3095
7/30/24 16:00	6.84	270.73	22.49	4.53	16.90	36.56	38.33	49.03	1.18	439.61	346.97	16.77	7.71	2787	2803	3094
7/30/24 17:00	6.79	269.56	20.69	4.53	16.88	33.63	36.17	49.01	1.19	439.69	349.43	16.77	7.71	2808	2799	3094
7/30/24 18:00	6.79	270.37	17.75	4.53	16.86	28.82	33.00	48.98	1.18	438.50	345.27	16.81	7.46	2761	2804	3093
7/30/24 19:00	6.65	269.26	22.02	5.51	15.89	38.41	33.62	48.97	1.18	438.12	340.90	16.79	7.55	2727	2785	3093
7/30/24 20:00	7.75	269.21	13.59	8.32	12.79	28.51	31.91	48.94	1.18	439.62	338.48	16.78	7.67	2720	2765	3092
7/30/24 21:00	10.65	269.52	8.01	8.58	12.34	17.10	28.01	48.90	1.19	438.78	356.47	16.75	7.73	2853	2736	3092
7/30/24 22:00	11.15	267.68	7.06	8.68	12.13	15.17	20.26	48.85	1.19	433.21	337.06	16.82	7.50	2718	2767	3092
7/30/24 23:00	11.13	268.23	4.87	8.59	12.18	10.38	14.22	48.80	1.18	432.47	351.19	16.80	7.41	2787	2764	3091
7/31/24 0:00	11.15	266.24	4.11	8.59	12.06	8.73	11.43	48.74	1.18	433.04	344.33	16.78	7.31	2688	2786	3091
7/31/24 1:00	11.01	266.07	12.14	5.39	14.96	19.97	13.03	48.70	1.18	432.76	339.59	16.80	7.26	2661	2731	3090
7/31/24 2:00	7.31	266.64	17.26	4.50	16.52	27.80	18.83	48.67	1.20	432.37	342.98	16.83	7.22	2714	2712	3090
7/31/24 3:00	6.93	268.73	23.40	4.18	16.73	36.90	28.23	48.65	1.19	433.02	355.45	16.83	7.25	2825	2688	3089
7/31/24 4:00	6.81	268.69	24.07	3.88	16.78	37.19	33.96	48.64	1.18	432.70	328.13	16.88	7.17	2635	2733	3089
7/31/24 5:00	6.88	269.36	24.68	3.84	16.78	38.00	37.36	48.62	1.18	431.47	332.29	16.87	7.13	2651	2725	3088
7/31/24 6:00	6.81	267.89	24.69	3.86	16.78	38.08	37.76	48.61	1.19	430.03	324.72	16.90	7.05	2606	2704	3087
7/31/24 7:00	6.86	274.70	24.85	3.86	16.78	38.34	38.14	48.60	1.20	429.77	329.73	16.90	7.06	2649	2630	3087
7/31/24 8:00	6.89	319.99	26.23	3.88	16.78	40.53	38.98	48.58	1.18	429.44	315.39	16.89	7.00	2505	2635	3086
7/31/24 9:00	6.82	337.38	25.91	3.92	16.78	40.14	39.67	48.57	1.18	431.07	343.88	16.85	7.05	2701	2586	3085
7/31/24 10:00	6.85	340.25	25.64	4.10	16.78	40.28	40.32	48.56	1.19	432.20	326.92	16.88	7.07	2604	2618	3085
7/31/24 11:00	6.93	340.19	27.41	4.08	16.78	42.99	41.13	48.55	1.19	433.60	331.96	16.90	7.03	2659	2603	3084
7/31/24 12:00	6.66	339.75	27.07	3.92	16.78	41.95	41.74	48.55	1.17	434.10	318.36	16.96	6.93	2589	2655	3084
7/31/24 13:00	6.61	302.52	26.27	4.05	16.78	41.09	42.01	48.53	1.17	435.22	355.16	16.94	7.04	2893	2617	3083
7/31/24 14:00	6.61	279.68	25.55	4.14	16.78	40.24	41.09	48.52	1.16	435.68	325.29	16.95	6.90	2629	2714	3083
7/31/24 15:00	6.65	274.49	25.10	4.14	16.78	39.53	40.28	48.51	1.15	436.52	329.76	16.92	6.94	2643	2704	3082
7/31/24 16:00	6.66	273.32	27.37	4.41	16.53	43.86	41.21	48.51	1.16	437.36	341.64	16.90	6.93	2712	2722	3081
7/31/24 17:00	6.66	272.35	31.36	4.39	17.12	50.62	44.67	48.51	1.15	437.52	340.12	16.91	6.89	2702	2661	3081
7/31/24 18:00	6.61	271.37	32.65	4.40	17.13	52.72	49.07									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/1/24 12:00	6.80	271.54	19.13	4.85	16.67	31.77	32.86	48.21	1.17	441.65	396.93	16.78	7.45	3129	2999	3076
8/1/24 13:00	6.88	268.22	22.24	4.78	16.78	36.78	33.40	48.20	1.21	440.36	390.07	16.76	7.53	3078	3040	3076
8/1/24 14:00	6.87	268.97	22.01	4.74	16.84	36.32	34.96	48.18	1.20	439.34	375.26	16.77	7.53	2975	3041	3076
8/1/24 15:00	6.86	269.32	20.94	4.73	16.81	34.53	35.88	48.17	1.19	439.58	370.06	16.74	7.63	2924	3061	3076
8/1/24 16:00	6.82	268.36	20.78	4.66	16.92	34.12	34.99	48.15	1.17	442.35	365.67	16.71	7.73	2882	2992	3075
8/1/24 17:00	6.79	266.79	22.28	4.43	17.11	36.05	34.90	48.13	1.19	441.69	371.32	16.72	7.69	2927	2927	3075
8/1/24 18:00	6.71	266.82	21.64	4.49	17.18	35.22	35.13	48.11	1.19	442.64	376.30	16.69	7.77	2950	2911	3075
8/1/24 19:00	6.72	266.33	20.86	4.38	17.22	33.66	34.98	48.09	1.19	441.29	379.36	16.70	7.72	2973	2920	3075
8/1/24 20:00	6.73	265.03	17.71	4.39	17.28	28.66	32.52	48.07	1.19	440.21	391.22	16.70	7.68	3057	2950	3075
8/1/24 21:00	6.65	266.62	16.86	4.37	17.27	27.24	29.86	48.04	1.21	438.33	382.26	16.72	7.64	2995	2993	3075
8/1/24 22:00	6.70	266.59	17.13	4.37	17.27	27.67	27.86	48.02	1.19	437.40	384.86	16.70	7.69	3007	3008	3074
8/1/24 23:00	6.75	266.16	16.86	4.35	17.37	27.23	27.38	47.99	1.21	436.48	380.32	16.71	7.67	2981	3019	3074
8/2/24 0:00	6.71	266.92	16.88	4.49	17.24	27.50	27.47	47.96	1.23	435.32	375.18	16.68	7.77	2933	2994	3074
8/2/24 1:00	6.93	266.73	16.63	5.18	16.39	28.12	27.62	47.94	1.19	436.90	368.80	16.66	7.87	2881	2974	3074
8/2/24 2:00	6.89	266.09	16.54	4.51	17.13	26.94	27.52	47.91	1.19	438.99	372.11	16.66	7.86	2905	2932	3074
8/2/24 3:00	6.70	265.78	16.53	4.47	17.10	26.83	27.30	47.88	1.19	439.75	373.32	16.67	7.79	2915	2906	3074
8/2/24 4:00	6.71	265.81	15.38	4.46	17.06	24.94	26.24	47.85	1.19	438.10	375.30	16.65	7.86	2925	2900	3073
8/2/24 5:00	6.69	264.42	15.61	4.44	17.01	25.24	25.67	47.82	1.18	440.80	377.18	16.64	7.90	2930	2915	3073
8/2/24 6:00	6.62	264.90	15.91	4.49	16.98	25.82	25.34	47.79	1.19	440.38	371.23	16.65	7.87	2889	2923	3073
8/2/24 7:00	6.76	265.03	16.47	4.52	16.86	26.73	25.93	47.77	1.18	441.53	374.49	16.62	7.87	2888	2914	3073
8/2/24 8:00	6.78	264.17	14.64	4.51	16.93	23.77	25.44	47.74	1.17	441.71	370.14	16.63	7.82	2848	2902	3073
8/2/24 9:00	6.82	264.53	15.67	4.43	16.90	25.28	25.26	47.71	1.20	441.51	371.39	16.65	7.76	2863	2875	3072
8/2/24 10:00	6.62	264.59	15.78	4.39	16.94	25.38	24.81	47.68	1.19	439.33	365.02	16.68	7.69	2832	2866	3072
8/2/24 11:00	6.57	264.92	16.03	4.69	16.55	26.22	25.63	47.65	1.19	435.93	360.70	16.69	7.69	2807	2848	3072
8/2/24 12:00	6.75	266.16	15.84	4.86	16.87	26.42	26.01	47.62	1.20	434.32	352.72	16.71	7.59	2748	2834	3071
8/2/24 13:00	6.91	272.77	15.95	4.64	16.62	26.03	26.22	47.60	1.20	437.45	362.07	16.68	7.64	2803	2796	3071
8/2/24 14:00	6.67	268.16	14.47	4.56	16.66	23.49	25.31	47.57	1.20	439.02	360.64	16.71	7.55	2801	2786	3071
8/2/24 15:00	6.61	265.85	12.33	4.42	16.80	19.84	23.12	47.53	1.20	438.55	363.98	16.71	7.56	2824	2784	3070
8/2/24 16:00	6.54	265.84	12.80	4.41	16.80	20.58	21.30	47.50	1.19	439.71	382.72	16.66	7.62	2932	2810	3070
8/2/24 17:00	6.53	266.13	13.53	4.43	16.83	21.79	20.73	47.46	1.18	440.61	379.40	16.66	7.56	2891	2852	3070
8/2/24 18:00	6.52	265.76	14.16	4.43	16.81	22.80	21.72	47.43	1.19	440.41	372.75	16.72	7.43	2882	2882	3070
8/2/24 19:00	6.56	266.34	15.66	4.39	16.82	25.16	23.25	47.40	1.18	437.31	367.49	16.76	7.37	2861	2902	3069
8/2/24 20:00	6.50	266.09	18.73	4.46	16.80	30.23	26.06	47.38	1.17	434.30	353.28	16.76	7.38	2761	2878	3069
8/2/24 21:00	6.44	264.97	20.29	4.34	16.77	32.43	29.27	47.36	1.17	434.20	346.98	16.78	7.27	2703	2835	3069
8/2/24 22:00	6.37	262.81	23.48	4.29	16.77	37.39	33.35	47.35	1.18	433.53	352.46	16.75	7.38	2741	2775	3068
8/2/24 23:00	6.40	262.83	21.60	4.34	16.85	34.56	34.80	47.33	1.18	432.93	353.24	16.76	7.30	2742	2735	3068
8/3/24 0:00	6.45	265.60	22.13	4.26	16.88	35.20	35.72	47.32	1.17	433.55	351.62	16.76	7.16	2701	2729	3067
8/3/24 1:00	6.42	264.45	23.40	4.27	16.88	37.27	35.68	47.31	1.18	433.51	349.65	16.75	7.13	2668	2728	3067
8/3/24 2:00	6.46	263.63	22.23	4.30	16.86	35.48	35.99	47.29	1.18	432.75	342.86	16.75	7.04	2601	2704	3066
8/3/24 3:00	6.44	262.73	22.14	4.27	16.88	35.26	36.01	47.28	1.18	432.73	347.26	16.76	7.07	2643	2657	3066
8/3/24 4:00	6.42	263.17	21.65	4.28	16.83	34.48	35.07	47.26	1.18	434.16	357.27	16.75	7.14	2730	2638	3065
8/3/24 5:00	6.43	263.38	20.64	4.27	16.80	32.81	34.19	47.24	1.18	434.69	362.95	16.76	7.18	2787	2658	3065
8/3/24 6:00	6.41	263.15	22.44	4.26	16.92	35.74	34.34	47.23	1.18	435.09	362.16	16.76	7.22	2794	2720	3064
8/3/24 7:00	6.45	262.86	21.75	4.38	16.62	34.79	34.45	47.21	1.18	435.26	358.56	16.74	7.27	2750	2770	3064
8/3/24 8:00	6.48	261.61	19.32	4.32	16.28	30.59	33.71	47.19	1.18	434.16	388.85	16.77	7.17	2996	2777	3064
8/3/24 9:00	6.42	261.37	18.17	4.26	16.34	28.69	31.36	47.17	1.18	434.30	369.39	16.72	7.37	2840	2847	3064
8/3/24 10:00	6.31	262.66	18.19	4.24	16.45	28.70	29.33	47.15	1.19	435.05	357.42	16.73	7.40	2760	2862	3063
8/3/24 11:00	6.24	263.12	18.34	4.50	16.76	29.67	29.02	47.12	1.18	432.96	350.04	16.73	7.40	2704	2865	3063
8/3/24 12:00	6.50	263.12	19.20	4.30	16.49	30.45	29.61	47.10	1.18	432.75	341.69	16.73	7.40	2645	2768	3063
8/3/24 13:00	6.31	264.10	19.72	4.27	16.49	31.21	30.45	47.08	1.18	433.18	342.83	16.73	7.43	2654	2703	3062
8/3/24 14:00	6.23	263.25	17.81	4.30	16.56	28.28	29.98	47.06	1.18	431.95	338.26	16.75	7.30	2615	2668	3062
8/3/24 15:00	6.21	263.55	18.62	4.25	16.50	29.44	29.64	47.04	1.18	432.58	336.54	16.72	7.32	2581	2638	3061
8/3/24 16:00	6.15	263.24	17.39	4.25	16.38	27.43	28.39	47.01	1.18	432.07	320.45	16.77	7.26	2483	2617	3060
8/3/24 17:00	6.19	263.12	18.41	4.23	16.39	29.01	28.63	46.99	1.18	431.56	327.90	16.74	7.31	2524	2560	3060
8/3/24 18:00	6.18	263.43	18.42	4.34	16.28	29.26	28.57	46.97	1.16	432.66	320.22	16.72	7.41	2471	2529	3059
8/3/24 19:00	6.20	265.37	18.26	4.89	15.63	29.85	29.37	46.95	1.16	434.73	327.42	16.76	7.10	2501	2492	3058
8/3/24 20:00	6.36	265.53	20.21	4.64	15.82	32.55	30.55	46.93	1.16	436.31	334.25	16.84	6.66	2537	2499	3058
8/3/24 21:00	6.28	264.49	20.93	4.63	15.79	33.67	32.02	46.91	1.15	436.85	314.88	16.89	6.62	2434	2503	3057
8/3/24 22:00	6.30	262.36	20.74	4.62	15.74	33.32	33.18	46.90	1.17	436.15	332.99	16.85	6.81	2569	2491	3056
8/3/24 23:00	6.23	264.12	22.44	4.70	15.79	36.29	34.43	46.89	1.22	433.82	322.66	16.84	6.92	2500	2513	3056
8/4/24 0:00	6.26	262.25	23.04	4.71	15.60	37.18	35.60	46.87	1.18	434.55	332.48	16.83	6.94	2571	2501	3055
8/4/24 1:00	6.24	260.20	22.78	4.74	15.52	36.79	36.75	46.86	1.18	435.14	334.49	16.85	6.89	2597	2547	3054
8/4/24 2:00	6.21	259.21	22.23	4.54	15.77	35.50	36.49	46.85	1.18	433.77	331.52	16.85	6.88	2574	2556	3054
8/4/24 3:00	6.21	257.78	21.76	4.47	15.87	34.64	35.64	46.83	1.17	433.11	335.63	16.87	6.76	2597	2581	3053
8/4/24 4:00	6.21	259.21	22.34	4.32	16.08	35.28	35.14	46.82	1.18	432.87	330.55	16.87	6.66	2541	2589	3053
8/4/24 5:00	6.11	260.13	23.07	4.32	16.09	36.41	35.44	46.81	1.18	432.95	329.05	16.88	6.62	2532	2571	3052
8/4/24 6:00	6.16	260.62	23.34	4.33	16.13	36.91	36.20	46.79	1.17	432.79	328.05	16.90	6.57			

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3Hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3Hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
8/5/24 0:00	6.38	262.55	30.80	4.64	16.37	50.04	47.88	46.63	1.17	436.52	340.59	16.84	6.98	2649	2641	3042
8/5/24 1:00	6.40	261.02	31.07	4.69	16.35	50.65	49.52	46.63	1.17	436.78	342.75	16.87	6.92	2689	2658	3042
8/5/24 2:00	6.50	261.06	32.20	4.75	16.36	52.78	51.16	46.64	1.17	435.45	336.13	16.85	6.99	2632	2685	3042
8/5/24 3:00	6.60	260.60	33.38	4.67	16.48	54.47	52.64	46.65	1.18	435.87	340.02	16.85	6.98	2657	2657	3041
8/5/24 4:00	6.52	260.06	31.94	4.57	16.56	51.78	53.01	46.66	1.17	434.29	335.92	16.87	6.92	2633	2659	3041
8/5/24 5:00	6.51	258.91	29.48	4.54	16.72	47.82	51.36	46.66	1.17	433.14	334.11	16.87	6.89	2617	2641	3040
8/5/24 6:00	6.49	258.60	25.67	4.63	16.82	41.99	47.20	46.65	1.17	432.53	330.57	16.88	6.88	2598	2636	3040
8/5/24 7:00	6.51	260.81	26.37	4.67	16.81	43.26	44.36	46.65	1.22	431.36	323.04	16.87	6.94	2538	2616	3039
8/5/24 8:00	6.54	262.67	26.07	4.58	16.83	42.49	42.58	46.64	1.27	428.07	325.51	16.90	6.89	2573	2585	3038
8/5/24 9:00	6.51	262.56	25.42	4.46	16.75	41.01	42.25	46.64	1.24	427.93	331.34	16.84	7.00	2589	2570	3038
8/5/24 10:00	6.48	263.23	24.70	4.42	16.58	39.61	41.04	46.63	1.23	429.50	326.77	16.85	7.00	2562	2567	3037
8/5/24 11:00	6.60	264.59	22.90	4.51	16.46	36.89	39.17	46.62	1.21	431.65	335.50	16.81	7.14	2614	2575	3037
8/5/24 12:00	6.70	265.83	24.00	4.65	16.77	39.29	38.60	46.61	1.21	434.14	346.22	16.79	7.22	2694	2588	3036
8/5/24 13:00	6.77	266.26	24.71	4.70	16.32	40.30	38.83	46.60	1.20	434.00	331.99	16.80	7.22	2597	2623	3036
8/5/24 14:00	6.76	267.30	22.54	4.53	16.40	36.34	38.64	46.59	1.18	438.06	343.65	16.75	7.34	2664	2635	3035
8/5/24 15:00	6.67	267.04	22.91	4.44	16.45	36.70	37.78	46.58	1.17	439.89	329.42	16.76	7.36	2571	2652	3035
8/5/24 16:00	6.64	266.90	20.99	4.44	16.41	33.60	35.55	46.56	1.18	439.58	336.40	16.76	7.39	2627	2610	3034
8/5/24 17:00	6.61	261.74	19.34	4.60	16.38	31.32	33.87	46.54	1.19	437.37	333.15	16.74	7.47	2597	2620	3034
8/5/24 18:00	6.58	265.39	21.35	4.73	16.34	34.90	33.27	46.53	1.27	432.40	323.44	16.79	7.41	2564	2598	3033
8/5/24 19:00	6.53	262.09	20.97	4.66	16.37	34.15	33.46	46.52	1.25	425.70	322.72	16.79	7.39	2551	2596	3033
8/5/24 20:00	6.51	263.39	18.15	4.58	16.31	29.33	32.79	46.50	1.22	428.74	312.62	16.77	7.40	2455	2570	3032
8/5/24 21:00	6.45	263.60	17.30	4.53	16.33	27.87	30.45	46.48	1.25	428.78	310.69	16.84	7.15	2458	2523	3032
8/5/24 22:00	6.50	265.15	19.02	4.56	16.31	30.69	29.29	46.46	1.26	427.66	321.86	16.89	6.96	2555	2488	3031
8/5/24 23:00	6.53	266.87	22.59	4.62	16.24	36.56	31.70	46.45	1.26	426.55	305.52	16.93	6.85	2433	2489	3030
8/6/24 0:00	6.45	267.49	23.20	4.67	16.43	37.83	35.03	46.44	1.25	425.70	307.46	16.93	6.81	2443	2482	3030
8/6/24 1:00	6.48	267.22	31.12	4.61	16.40	50.49	41.63	46.44	1.24	425.89	313.39	16.91	6.81	2479	2477	3029
8/6/24 2:00	6.57	266.06	33.09	4.58	16.34	53.49	47.27	46.45	1.25	425.65	317.92	16.93	6.76	2514	2452	3028
8/6/24 3:00	6.49	265.31	31.66	4.61	16.42	51.37	51.78	46.45	1.23	425.92	316.47	16.94	6.70	2503	2479	3028
8/6/24 4:00	6.49	264.56	32.70	4.64	16.38	53.13	52.66	46.46	1.25	425.20	320.87	16.92	6.73	2526	2499	3027
8/6/24 5:00	6.60	263.82	32.00	4.69	16.32	52.15	52.22	46.47	1.25	425.14	322.00	16.91	6.76	2534	2514	3027
8/6/24 6:00	6.59	263.20	27.19	4.69	16.18	44.22	49.83	46.47	1.28	423.59	315.00	16.95	6.68	2499	2521	3026
8/6/24 7:00	6.59	262.82	32.03	4.68	16.11	51.99	49.45	46.47	1.29	422.26	312.50	16.98	6.59	2489	2520	3026
8/6/24 8:00	6.44	261.25	30.76	4.72	16.31	50.25	48.82	46.48	1.28	422.10	325.25	16.93	6.69	2562	2507	3025
8/6/24 9:00	6.44	261.22	32.77	4.85	16.46	54.57	52.27	46.49	1.26	421.19	320.82	16.94	6.64	2526	2517	3024
8/6/24 10:00	6.27	261.48	33.86	5.06	16.52	57.02	53.94	46.50	1.26	421.55	320.33	16.93	6.66	2515	2526	3024
8/6/24 11:00	6.46	262.79	32.29	4.97	16.52	54.01	55.20	46.51	1.24	424.24	320.99	16.92	6.72	2521	2534	3023
8/6/24 12:00	6.43	263.02	30.97	4.89	16.44	51.38	54.13	46.51	1.30	423.23	324.46	16.94	6.73	2571	2520	3023
8/6/24 13:00	6.53	265.29	29.09	4.86	16.17	47.96	51.11	46.51	1.24	423.72	313.26	16.95	6.65	2479	2535	3022
8/6/24 14:00	6.37	264.42	28.61	4.84	16.15	47.04	48.79	46.51	1.25	424.17	307.91	16.96	6.61	2434	2523	3022
8/6/24 15:00	6.30	264.22	27.96	4.78	15.97	45.65	46.88	46.51	1.27	423.41	311.32	16.94	6.70	2461	2495	3021
8/6/24 16:00	6.32	264.40	31.04	4.78	15.80	50.51	47.74	46.52	1.29	423.86	319.54	16.93	6.69	2520	2458	3020
8/6/24 17:00	6.74	264.72	28.14	4.78	15.82	45.81	47.32	46.52	1.28	422.00	315.03	16.97	6.56	2489	2472	3020
8/6/24 18:00	6.50	265.09	32.09	4.77	15.84	52.22	49.51	46.52	1.28	422.18	299.26	16.99	6.44	2366	2490	3019
8/6/24 19:00	6.64	263.79	34.79	4.82	15.72	56.71	51.58	46.53	1.29	421.90	293.74	17.01	6.41	2329	2458	3018
8/6/24 20:00	6.48	262.13	36.90	4.86	15.85	60.49	56.47	46.54	1.29	421.64	297.47	16.99	6.49	2358	2394	3018
8/6/24 21:00	6.69	260.26	38.78	4.88	15.93	63.75	60.32	46.57	1.26	422.38	299.18	16.98	6.45	2353	2351	3017
8/6/24 22:00	6.69	260.42	39.26	4.86	16.03	64.58	62.94	46.59	1.24	422.69	324.21	16.97	6.43	2540	2347	3016
8/6/24 23:00	6.78	261.17	40.96	4.82	16.07	67.18	65.17	46.61	1.23	421.61	296.16	17.01	6.34	2340	2417	3016
8/7/24 0:00	6.70	261.52	42.09	4.80	16.10	68.98	66.91	46.64	1.26	422.07	307.75	16.96	6.40	2399	2411	3015
8/7/24 1:00	6.67	261.41	42.95	4.81	16.01	70.30	68.82	46.67	1.25	421.06	287.10	17.03	6.27	2274	2426	3014
8/7/24 2:00	6.63	259.58	41.39	4.79	16.05	67.68	68.99	46.69	1.26	419.43	281.50	17.05	6.18	2228	2338	3013
8/7/24 3:00	6.59	260.09	43.91	4.78	15.93	71.61	69.86	46.72	1.26	419.74	294.88	17.03	6.19	2318	2300	3012
8/7/24 4:00	6.68	264.75	47.17	4.80	15.83	76.96	72.08	46.75	1.28	418.99	286.76	17.07	6.10	2270	2273	3012
8/7/24 5:00	6.69	263.71	50.24	4.85	15.71	82.11	76.89	46.79	1.27	416.61	274.00	17.11	5.99	2185	2272	3011
8/7/24 6:00	6.80	265.30	51.48	4.91	15.78	84.60	81.22	46.83	1.27	417.25	280.47	17.10	5.99	2226	2258	3010
8/7/24 7:00	6.80	263.13	52.35	4.97	15.74	86.38	84.37	46.88	1.25	415.75	281.50	17.12	5.96	2246	2227	3009
8/7/24 8:00	6.80	266.86	51.92	4.99	15.95	86.11	85.70	46.92	1.27	418.97	286.83	17.06	6.21	2287	2219	3008
8/7/24 9:00	6.78	267.60	52.50	4.94	16.08	86.94	86.48	46.96	1.29	419.39	281.01	17.07	6.28	2258	2253	3007
8/7/24 10:00	6.77	268.87	52.67	4.94	16.07	87.18	86.74	47.01	1.26	420.03	305.47	17.04	6.39	2447	2264	3006
8/7/24 11:00	6.69	268.73	53.66	4.83	16.08	88.08	87.40	47.06	1.25	420.56	296.92	17.05	6.45	2396	2331	3006
8/7/24 12:00	6.59	268.11	53.98	4.81	16.16	88.60	87.95	47.10	1.23	421.85	283.58	17.01	6.54	2273	2367	3005
8/7/24 13:00	6.60	267.80	55.57	4.83	16.09	91.27	89.32	47.15	1.26	422.65	269.47	17.02	6.52	2169	2372	3004
8/7/24 14:00	6.65	267.97	53.39	4.73	16.27	87.21	89.03	47.19	1.26	423.09	271.13	17.02	6.51	2184	2279	3003
8/7/24 15:00	6.62	268.93	52.23	4.73	16.31	85.35	87.95	47.24	1.21	424.31	271.76	17.05	6.42	2189	2208	3002
8/7/24 16:00	6.65	269.62	48.15	4.67	16.35	78.42	83.66	47.27	1.21	425.04	266.23	17.06	6.39	2149	2180	3002
8/7/24 17:00	6.62	270.33	43.47	4.58	16.36	70.31	78.03	47.30	1.19	426.95	286.36	17.03	6.44	2291	2174	3001
8/7/24 18:00	6.60	270.20	39.76	4.68	16.37	64.79	71.17	47.32	1.17	428.76	268.77	17.04	6.45	2165		

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
8/8/24 12:00	6.81	267.73	24.50	4.73	17.93	41.15	41.04	47.16	1.17	433.89	324.85	16.84	7.06	2545	2288	2985
8/8/24 13:00	6.86	268.34	24.65	4.67	17.93	41.20	41.15	47.16	1.17	434.49	323.71	16.82	7.11	2533	2399	2984
8/8/24 14:00	6.89	268.14	25.32	4.53	17.93	41.83	41.39	47.15	1.17	432.34	310.29	16.87	7.06	2461	2478	2984
8/8/24 15:00	6.83	271.38	25.08	4.56	17.93	41.55	41.53	47.14	1.18	432.74	332.03	16.83	7.15	2615	2513	2983
8/8/24 16:00	6.81	272.06	25.12	4.57	17.93	41.66	41.68	47.14	1.18	433.65	328.41	16.82	7.22	2583	2537	2983
8/8/24 17:00	6.79	271.92	23.72	4.59	17.93	39.39	40.87	47.13	1.19	431.38	328.22	16.81	7.24	2578	2553	2982
8/8/24 18:00	7.06	270.77	23.35	4.53	17.93	38.60	39.88	47.12	1.17	431.51	192.42	16.78	7.30	1506	2592	2982
8/8/24 19:00	6.90	270.78	24.30	4.52	17.93	40.14	39.37	47.11	1.19	430.44	224.54	16.84	7.29	1790	2222	2980
8/8/24 20:00	6.88	270.44	24.95	4.48	16.95	40.45	39.73	47.11	1.18	430.88	327.87	16.76	7.45	2571	1958	2979
8/8/24 21:00	6.77	270.34	25.57	4.34	16.80	40.90	40.50	47.10	1.17	432.02	333.48	16.73	7.51	2604	1956	2979
8/8/24 22:00	6.72	270.05	25.16	4.31	16.76	40.13	40.49	47.09	1.20	429.93	333.68	16.75	7.49	2618	2321	2978
8/8/24 23:00	6.76	269.93	24.47	4.29	16.82	39.00	40.01	47.08	1.21	428.60	340.30	16.74	7.48	2658	2598	2978
8/9/24 0:00	6.81	270.03	24.21	4.34	16.78	38.70	39.28	47.07	1.18	429.43	346.25	16.71	7.55	2693	2627	2977
8/9/24 1:00	6.81	270.00	24.38	4.26	16.77	38.72	38.81	47.06	1.16	433.22	350.36	16.71	7.55	2721	2656	2977
8/9/24 2:00	6.78	267.77	25.18	4.24	16.50	39.77	39.06	47.06	1.17	435.15	354.28	16.72	7.52	2750	2691	2977
8/9/24 3:00	6.73	268.42	26.16	4.26	16.22	41.20	39.89	47.05	1.15	435.89	344.94	16.72	7.51	2682	2721	2977
8/9/24 4:00	6.65	266.15	26.03	4.27	16.26	41.06	40.68	47.04	1.16	435.96	346.94	16.70	7.58	2688	2717	2976
8/9/24 5:00	6.68	262.19	25.44	4.35	16.24	40.35	40.87	47.04	1.19	426.54	350.57	16.67	7.78	2726	2707	2976
8/9/24 6:00	6.71	263.64	25.19	4.37	16.09	39.93	40.45	47.03	1.19	429.20	325.86	16.70	7.55	2523	2699	2976
8/9/24 7:00	6.67	264.96	24.89	4.34	15.98	39.28	39.85	47.02	1.18	430.73	339.58	16.68	7.59	2619	2646	2975
8/9/24 8:00	6.64	264.15	24.35	4.36	16.01	38.51	39.24	47.01	1.17	431.41	151.89	16.71	7.49	1184	2623	2975
8/9/24 9:00	6.62	264.90	24.04	4.62	15.89	38.68	38.82	47.00	1.19	433.03	0.19	16.69	7.54	1	2109	2973
8/9/24 10:00	6.81	265.75	23.79	4.54	15.97	38.12	38.43	46.99	1.22	430.57	0.21	16.69	7.54	2	1268	2970
8/9/24 11:00	6.71	266.15	25.04	4.27	15.93	39.28	38.69	46.99	1.26	427.21	0.23	16.69	7.54	2	396	2967
8/9/24 12:00	6.45	268.13	24.87	4.27	15.94	39.01	38.80	46.98	1.25	427.59	0.24	16.69	7.54	2	2	2964
8/9/24 13:00	6.49	269.48	24.27	4.24	15.96	38.02	38.77	46.97	1.21	429.47	0.18	16.69	7.54	1	2	2960
8/9/24 14:00	6.49	270.12	23.60	4.23	15.98	36.95	37.99	46.96	1.21	430.96	0.24	16.69	7.54	2	2	2957
8/9/24 15:00	6.49	270.86	23.35	4.30	15.98	36.74	37.24	46.95	1.17	432.85	0.19	16.69	7.54	1	2	2954
8/9/24 16:00	6.62	270.73	23.95	4.34	15.97	37.81	37.17	46.94	1.17	433.80	356.86	17.01	6.23	2792	2	2951
8/9/24 17:00	6.59	271.17	24.44	4.31	15.91	38.45	37.67	46.93	1.19	430.91	362.75	17.03	6.08	2827	932	2951
8/9/24 18:00	6.53	269.68	23.92	4.40	15.88	37.86	38.04	46.92	1.19	428.46	349.35	17.09	5.85	2739	1874	2951
8/9/24 19:00	6.80	267.45	24.11	4.36	15.91	38.08	38.13	46.91	1.19	424.01	330.08	17.02	5.53	2457	2786	2951
8/9/24 20:00	6.71	265.97	24.29	4.35	15.84	38.28	38.07	46.90	1.19	423.13	330.00	17.10	5.53	2530	2674	2950
8/9/24 21:00	6.67	265.44	24.47	4.33	15.83	38.50	38.29	46.89	1.19	424.46	330.87	17.11	5.54	2552	2575	2950
8/9/24 22:00	6.59	266.17	24.47	4.33	15.75	38.45	38.41	46.88	1.18	424.20	325.57	17.18	5.45	2553	2513	2949
8/9/24 23:00	6.63	260.88	24.62	4.32	15.70	38.64	38.53	46.87	1.18	424.18	329.11	17.16	5.52	2577	2545	2949
8/10/24 0:00	6.60	258.78	25.13	4.32	15.65	39.39	38.82	46.87	1.19	425.33	333.96	17.13	5.60	2603	2561	2948
8/10/24 1:00	6.54	258.26	25.06	4.33	15.63	39.29	39.10	46.86	1.20	421.97	322.76	17.21	5.41	2551	2578	2948
8/10/24 2:00	6.59	258.66	25.17	4.31	15.60	39.40	39.36	46.85	1.20	420.75	326.16	17.14	5.47	2525	2577	2948
8/10/24 3:00	6.51	260.11	25.20	4.33	15.52	39.44	39.38	46.84	1.21	419.91	327.69	17.09	5.49	2498	2560	2947
8/10/24 4:00	6.56	260.81	25.16	4.32	15.59	39.41	39.42	46.84	1.21	418.64	324.68	17.13	5.44	2499	2525	2947
8/10/24 5:00	6.54	260.36	25.34	4.32	15.66	39.73	39.53	46.83	1.20	417.84	319.89	17.19	5.36	2498	2507	2946
8/10/24 6:00	6.54	261.44	25.12	4.32	15.69	39.41	39.52	46.82	1.22	418.81	327.67	17.09	5.49	2498	2498	2946
8/10/24 7:00	6.57	261.65	24.92	4.39	15.66	39.27	39.47	46.81	1.21	418.43	348.20	17.14	5.83	2778	2498	2945
8/10/24 8:00	6.55	261.69	24.64	4.46	15.62	39.02	39.24	46.80	1.21	418.31	378.89	17.06	6.35	3056	2591	2945
8/10/24 9:00	6.56	261.89	24.38	4.62	15.54	39.03	39.11	46.80	1.20	418.84	373.91	17.12	6.27	3064	2777	2945
8/10/24 10:00	6.67	263.93	24.42	4.63	15.52	39.12	39.06	46.79	1.21	420.74	374.14	17.10	6.27	3039	2966	2945
8/10/24 11:00	6.65	264.26	24.19	4.66	15.81	39.00	39.05	46.78	1.19	422.55	370.82	17.13	6.21	3035	3053	2946
8/10/24 12:00	6.74	264.69	23.41	4.68	15.74	37.78	38.63	46.77	1.19	423.42	367.02	17.15	6.15	3015	3046	2946
8/10/24 13:00	6.84	265.63	23.55	4.61	15.58	37.69	38.16	46.76	1.19	423.46	363.37	17.15	6.09	2973	3030	2946
8/10/24 14:00	6.79	264.94	22.82	4.53	15.66	36.36	37.28	46.75	1.19	423.04	360.92	17.17	6.05	2961	3008	2946
8/10/24 15:00	6.99	264.49	23.28	4.50	15.69	37.03	37.03	46.74	1.19	423.49	357.86	17.16	6.00	2914	2983	2946
8/10/24 16:00	6.91	265.39	23.21	4.51	15.67	36.91	36.77	46.73	1.19	422.98	357.94	17.19	6.00	2943	2949	2946
8/10/24 17:00	6.90	264.45	24.30	4.40	15.70	38.37	37.44	46.72	1.19	422.59	363.50	17.14	6.09	2952	2939	2946
8/10/24 18:00	6.65	263.97	24.54	4.39	15.70	38.73	38.00	46.71	1.19	422.51	363.77	17.16	6.10	2982	2937	2946
8/10/24 19:00	6.63	263.53	24.64	4.30	15.87	38.73	38.61	46.71	1.19	423.44	367.98	17.14	6.17	3016	2959	2946
8/10/24 20:00	6.65	262.97	23.85	4.30	15.88	37.49	38.31	46.70	1.19	424.51	373.19	17.12	6.25	3052	2983	2946
8/10/24 21:00	6.62	263.51	23.50	4.30	15.90	36.93	37.71	46.69	1.19	424.61	372.69	17.15	6.25	3082	3017	2946
8/10/24 22:00	6.65	263.35	23.60	4.31	15.85	37.08	37.17	46.68	1.20	425.21	375.11	17.14	6.29	3107	3050	2946
8/10/24 23:00	6.64	263.33	23.74	4.43	15.92	37.69	37.23	46.67	1.19	425.17	377.70	17.12	6.33	3104	3080	2946
8/11/24 0:00	6.65	265.12	23.37	4.38	16.00	37.01	37.26	46.66	1.19	425.58	378.26	17.13	6.34	3132	3098	2946
8/11/24 1:00	6.61	262.49	23.93	4.32	15.87	37.64	37.44	46.65	1.21	422.19	372.42	17.15	6.24	3079	3115	2947
8/11/24 2:00	6.65	264.38	23.90	4.45	15.80	37.92	37.52	46.64	1.21	420.32	367.40	17.15	6.16	3013	3105	2947
8/11/24 3:00	6.65	263.89	23.84	4.41	15.79	37.71	37.75	46.63	1.21	418.27	366.36	17.13	6.14	2985	3075	2947
8/11/24 4:00	6.64	263.44	23.66	4.44	15.74	37.47	37.70	46.62	1.22	418.20	364.44	17.16	6.11	2990	3026	2947
8/11/24 5:00	6.66	261.25	23.11	4.45	15.78	36.67	37.28	46.61	1.21	417.80	363.82	17.16	6.10	2984	2996	2947
8/11/24 6:00	6.67	260.18	23.39	4.47	15.82	37.19	37.11	46.60	1.21	416.88	362.10	17.17	6.07	2972	2986	2947

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/12/24 0:00	6.48	263.30	22.06	4.55	16.23	35.53	34.11	46.42	1.20	424.60	385.21	17.13	6.46	3216	3181	2950
8/12/24 1:00	6.66	264.44	22.09	4.55	15.80	35.33	34.75	46.41	1.20	422.47	388.38	17.10	6.51	3219	3199	2950
8/12/24 2:00	6.85	266.64	22.73	4.55	16.00	36.45	35.77	46.40	1.20	422.41	387.54	17.10	6.50	3213	3209	2950
8/12/24 3:00	6.77	265.82	22.29	4.68	16.15	36.21	36.00	46.39	1.20	421.90	384.72	17.11	6.45	3185	3216	2950
8/12/24 4:00	6.84	264.19	24.67	4.67	16.40	40.19	37.62	46.38	1.20	420.55	380.03	17.14	6.37	3163	3205	2951
8/12/24 5:00	6.72	260.89	24.21	4.42	16.61	38.85	38.42	46.37	1.20	419.77	377.77	17.14	6.33	3141	3187	2951
8/12/24 6:00	6.56	260.14	24.67	4.41	16.61	39.53	39.52	46.37	1.21	418.71	374.35	17.15	6.27	3108	3163	2951
8/12/24 7:00	6.55	261.52	23.81	4.42	16.50	38.15	38.84	46.36	1.21	418.74	377.75	17.15	6.33	3148	3137	2951
8/12/24 8:00	6.68	262.97	23.30	4.44	16.50	37.37	38.35	46.35	1.21	420.03	387.39	17.09	6.49	3197	3132	2951
8/12/24 9:00	6.64	264.79	23.03	4.53	16.34	37.11	37.54	46.34	1.22	422.27	392.59	17.08	6.58	3246	3151	2952
8/12/24 10:00	6.66	265.76	24.21	4.51	16.57	39.08	37.85	46.33	1.20	423.56	395.19	17.07	6.62	3271	3197	2952
8/12/24 11:00	6.74	265.96	23.38	4.48	16.23	37.43	37.87	46.32	1.21	425.01	396.00	17.07	6.64	3276	3238	2952
8/12/24 12:00	6.73	266.24	23.12	4.51	16.22	37.10	37.87	46.32	1.19	425.22	392.87	17.08	6.58	3255	3264	2953
8/12/24 13:00	6.82	270.92	23.42	4.54	16.24	37.69	37.41	46.31	1.19	426.26	390.59	17.09	6.55	3237	3267	2953
8/12/24 14:00	6.75	271.61	24.02	4.39	16.37	38.29	37.69	46.30	1.19	427.81	392.38	17.09	6.58	3262	3256	2953
8/12/24 15:00	6.71	272.20	24.02	4.40	16.38	38.33	38.10	46.29	1.22	427.19	404.27	17.06	6.78	3378	3251	2954
8/12/24 16:00	6.71	268.89	24.15	4.41	16.39	38.56	38.39	46.28	1.19	430.89	418.09	16.99	7.01	3455	3292	2954
8/12/24 17:00	6.70	265.78	22.48	4.37	16.42	35.83	37.57	46.27	1.20	431.80	416.61	17.01	6.98	3465	3365	2954
8/12/24 18:00	6.61	265.38	24.09	4.37	16.39	38.37	37.59	46.27	1.21	433.38	420.24	17.01	7.04	3514	3433	2955
8/12/24 19:00	6.65	265.96	23.35	4.27	16.46	36.96	37.05	46.26	1.19	433.39	415.59	17.05	6.97	3512	3478	2955
8/12/24 20:00	6.45	265.97	24.60	4.24	16.51	38.86	38.06	46.25	1.19	432.25	413.96	17.05	6.94	3493	3497	2956
8/12/24 21:00	6.53	266.40	23.99	4.24	16.50	37.90	37.91	46.24	1.24	428.48	393.66	17.13	6.60	3325	3506	2957
8/12/24 22:00	6.54	267.52	24.65	4.24	16.50	38.94	38.57	46.23	1.20	428.29	393.29	17.13	6.59	3327	3443	2957
8/12/24 23:00	6.49	266.14	24.56	4.21	16.58	38.75	38.53	46.23	1.21	426.11	389.81	17.17	6.53	3337	3382	2957
8/13/24 0:00	6.48	266.49	24.56	4.17	16.61	38.65	38.78	46.22	1.21	424.83	394.66	17.13	6.61	3341	3330	2958
8/13/24 1:00	6.52	266.08	23.41	4.18	16.59	36.87	38.09	46.21	1.21	424.60	394.94	17.13	6.62	3344	3335	2958
8/13/24 2:00	6.54	264.78	22.84	4.18	16.63	35.99	37.17	46.20	1.25	421.78	392.49	17.14	6.58	3330	3341	2958
8/13/24 3:00	6.55	264.28	22.66	4.16	16.71	35.70	36.19	46.19	1.21	422.35	391.55	17.14	6.56	3317	3338	2959
8/13/24 4:00	6.48	264.04	23.53	4.18	16.75	37.14	36.28	46.18	1.22	422.77	392.60	17.12	6.58	3294	3330	2959
8/13/24 5:00	6.50	262.94	23.96	4.18	16.69	37.80	36.88	46.17	1.20	423.58	391.04	17.13	6.55	3294	3314	2959
8/13/24 6:00	6.49	262.94	23.36	4.20	16.67	36.90	37.28	46.17	1.20	422.68	387.09	17.14	6.49	3259	3302	2960
8/13/24 7:00	6.47	261.47	23.59	4.21	16.76	37.34	37.35	46.16	1.19	423.39	384.54	17.15	6.44	3231	3282	2960
8/13/24 8:00	6.43	262.66	24.01	4.26	16.95	38.26	37.50	46.15	1.20	425.13	393.00	17.08	6.59	3257	3261	2960
8/13/24 9:00	6.48	265.57	22.30	4.54	16.96	36.29	37.30	46.14	1.22	427.85	400.41	17.07	6.71	3337	3249	2961
8/13/24 10:00	6.53	265.68	23.09	4.64	16.80	37.76	37.44	46.13	1.20	430.35	401.40	17.10	6.73	3394	3275	2961
8/13/24 11:00	6.55	265.21	25.90	4.45	16.54	41.61	38.55	46.13	1.20	429.62	395.61	17.10	6.63	3326	3330	2961
8/13/24 12:00	6.44	265.28	25.47	4.25	16.67	40.37	39.91	46.12	1.18	426.11	395.44	17.18	6.63	3422	3352	2962
8/13/24 13:00	6.36	265.74	25.21	4.22	16.69	39.88	40.62	46.12	1.18	423.22	389.07	17.22	6.52	3390	3381	2962
8/13/24 14:00	6.35	266.08	25.95	4.21	16.70	41.03	40.42	46.11	1.18	422.61	390.52	17.23	6.55	3422	3379	2963
8/13/24 15:00	6.40	265.62	25.84	4.19	16.73	40.83	40.58	46.11	1.17	421.83	388.57	17.25	6.51	3420	3412	2963
8/13/24 16:00	6.39	265.47	25.29	4.17	16.71	39.87	40.57	46.10	1.17	422.67	400.12	17.18	6.71	3478	3411	2963
8/13/24 17:00	6.39	265.11	25.36	4.18	16.67	40.00	40.23	46.09	1.17	424.71	405.55	17.12	6.80	3476	3440	2964
8/13/24 18:00	6.34	264.03	25.58	4.12	16.51	40.06	39.98	46.09	1.17	426.26	404.77	17.12	6.78	3468	3458	2964
8/13/24 19:00	6.30	263.63	25.42	4.12	16.42	39.73	39.93	46.08	1.17	428.79	406.71	17.08	6.82	3426	3474	2965
8/13/24 20:00	6.31	263.63	25.64	4.10	16.41	40.02	39.94	46.08	1.18	431.77	412.96	17.03	6.92	3452	3457	2965
8/13/24 21:00	6.30	265.49	24.89	4.10	16.37	38.83	39.53	46.07	1.21	431.71	396.41	17.09	6.64	3313	3449	2966
8/13/24 22:00	6.30	266.47	26.32	4.10	16.38	41.08	39.98	46.06	1.23	429.01	389.72	17.14	6.53	3287	3397	2966
8/13/24 23:00	6.25	264.07	20.15	4.11	16.36	31.44	37.12	46.05	1.20	427.88	386.58	17.15	6.48	3268	3351	2966
8/14/24 0:00	6.23	262.65	8.80	4.11	16.42	13.75	28.76	46.02	1.21	428.43	392.40	17.11	6.58	3281	3289	2967
8/14/24 1:00	6.26	261.63	26.35	4.23	16.36	41.49	28.89	46.02	1.18	428.95	398.32	17.08	6.68	3323	3279	2967
8/14/24 2:00	6.39	261.89	23.62	5.28	15.23	39.75	31.66	46.01	1.22	427.03	396.82	17.09	6.65	3319	3291	2967
8/14/24 3:00	7.42	262.08	25.84	4.52	16.19	41.49	40.91	46.01	1.19	426.82	399.26	17.07	6.69	3320	3308	2968
8/14/24 4:00	6.69	262.36	26.29	4.54	16.14	42.25	41.16	46.00	1.19	427.07	397.66	17.07	6.66	3295	3321	2968
8/14/24 5:00	6.79	262.76	26.23	4.47	16.19	41.93	41.89	46.00	1.18	426.97	392.37	17.08	6.58	3247	3312	2968
8/14/24 6:00	6.75	262.92	26.10	4.51	16.24	41.88	42.02	45.99	1.19	427.09	383.89	17.12	6.43	3188	3288	2969
8/14/24 7:00	6.93	263.87	26.27	4.54	16.26	42.27	42.03	45.99	1.21	425.16	381.92	17.13	6.40	3171	3243	2969
8/14/24 8:00	6.95	265.48	26.56	4.53	16.21	42.69	42.28	45.99	1.20	426.49	386.95	16.98	6.49	3071	3202	2969
8/14/24 9:00	6.93	267.26	26.20	4.65	16.46	42.68	42.55	45.99	1.20	428.92	392.86	17.10	6.58	3276	3143	2969
8/14/24 10:00	6.86	266.79	26.46	4.60	16.12	42.71	42.69	45.98	1.20	432.87	396.99	17.10	6.65	3333	3173	2969
8/14/24 11:00	6.72	266.05	26.10	4.52	15.90	41.72	42.37	45.98	1.19	433.63	398.46	17.11	6.68	3362	3227	2970
8/14/24 12:00	6.60	265.80	26.23	4.37	16.09	41.57	42.00	45.97	1.18	431.92	405.36	17.06	6.79	3389	3324	2970
8/14/24 13:00	6.51	266.99	27.18	4.36	16.19	43.09	42.13	45.97	1.19	432.46	412.36	17.01	6.91	3414	3361	2970
8/14/24 14:00	6.53	274.64	26.79	4.33	16.22	42.43	42.36	45.97	1.19	433.02	414.91	17.01	6.95	3440	3388	2971
8/14/24 15:00	6.55	274.91	26.92	4.35	16.26	42.70	42.74	45.96	1.18	436.62	418.09	16.99	7.01	3456	3414	2971
8/14/24 16:00	6.56	268.21	27.33	4.34	16.26	43.32	42.82	45.96	1.19	436.61	416.78	16.99	6.99	3446	3437	2972
8/14/24 17:00	6.56	267.19	27.44	4.33	16.32	43.51	43.18	45.96	1.17	434.67	412.00	17.00	6.91	3389	3447	2972
8/14/24 18:00	6.53	268.49	27.37	4.20	16.47	43.09	43.30</									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/15/24 12:00	6.55	271.75	41.00	2.92	16.12	58.61	55.67	45.94	1.19	433.67	414.32	16.98	6.95	3399	3172	2973
8/15/24 13:00	6.54	277.50	36.53	2.93	16.24	52.31	55.44	45.94	1.19	436.72	413.25	16.98	6.93	3379	3168	2974
8/15/24 14:00	6.56	281.88	34.31	2.92	16.17	49.07	53.33	45.94	1.17	438.39	412.80	16.97	6.92	3370	3388	2974
8/15/24 15:00	6.58	274.56	33.77	2.95	16.12	48.35	49.91	45.95	1.16	440.28	410.77	16.99	6.89	3363	3383	2974
8/15/24 16:00	6.57	269.41	31.57	3.03	16.15	45.46	47.63	45.95	1.16	441.65	419.58	16.93	7.03	3397	3371	2975
8/15/24 17:00	6.53	268.44	36.29	3.04	16.11	52.26	48.69	45.95	1.16	442.41	414.73	16.93	6.95	3338	3377	2975
8/15/24 18:00	6.50	267.43	32.15	3.04	16.20	46.40	48.04	45.95	1.18	442.12	424.65	16.87	7.12	3382	3366	2975
8/15/24 19:00	6.57	266.21	29.43	3.00	16.30	42.39	47.02	45.95	1.16	439.85	419.34	16.93	7.03	3394	3372	2976
8/15/24 20:00	6.60	265.59	27.30	3.12	16.45	39.74	42.84	45.94	1.16	439.70	421.18	16.89	7.06	3369	3371	2976
8/15/24 21:00	6.67	266.11	28.48	3.29	16.48	42.00	41.38	45.94	1.17	438.55	411.03	16.91	6.89	3270	3382	2976
8/15/24 22:00	6.67	264.05	27.36	3.41	16.33	40.57	40.77	45.94	1.17	438.51	413.00	16.89	6.92	3262	3344	2977
8/15/24 23:00	6.47	263.31	27.68	3.50	16.28	41.28	41.28	45.93	1.16	437.17	395.85	16.96	6.64	3145	3300	2977
8/16/24 0:00	6.44	262.76	26.31	4.47	16.45	42.99	41.61	45.93	1.17	437.80	402.68	16.92	6.75	3174	3226	2977
8/16/24 1:00	6.47	263.18	25.67	3.73	16.40	39.00	41.09	45.92	1.17	439.08	406.76	16.89	6.82	3184	3194	2977
8/16/24 2:00	6.48	263.80	26.04	3.76	16.51	39.70	40.57	45.92	1.19	439.33	399.52	16.90	6.70	3117	3168	2978
8/16/24 3:00	6.53	263.83	30.11	3.74	16.54	45.87	41.53	45.92	1.19	437.36	397.61	16.90	6.67	3091	3159	2978
8/16/24 4:00	6.49	263.50	30.04	3.82	16.61	46.06	43.88	45.92	1.20	432.92	387.78	16.98	6.50	3068	3131	2978
8/16/24 5:00	6.53	263.14	29.39	3.84	16.55	45.09	45.67	45.92	1.22	430.49	389.23	16.94	6.52	3035	3092	2978
8/16/24 6:00	6.52	263.66	27.51	4.79	16.47	46.18	45.78	45.92	1.21	430.61	394.53	16.90	6.61	3059	3065	2978
8/16/24 7:00	6.61	265.44	29.28	3.85	16.57	44.99	45.42	45.92	1.22	431.16	419.25	16.87	7.03	3323	3054	2978
8/16/24 8:00	6.60	266.67	27.99	3.81	16.61	42.92	44.70	45.91	1.16	436.47	454.04	16.80	7.61	3658	3139	2978
8/16/24 9:00	6.69	267.42	29.24	4.06	16.38	45.51	44.47	45.91	1.18	439.88	446.13	16.84	7.48	3625	3347	2979
8/16/24 10:00	6.77	266.51	30.23	3.92	17.02	47.02	45.15	45.91	1.18	441.11	441.47	16.88	7.40	3613	3535	2979
8/16/24 11:00	6.73	266.83	29.92	3.76	16.65	45.73	46.09	45.91	1.17	441.08	440.30	16.89	7.38	3615	3632	2980
8/16/24 12:00	6.59	268.59	30.47	4.68	16.54	50.87	47.88	45.92	1.21	438.45	454.68	16.84	7.62	3733	3618	2981
8/16/24 13:00	6.58	268.19	28.58	3.75	16.73	43.70	46.77	45.92	1.22	435.46	454.25	16.85	7.62	3733	3654	2981
8/16/24 14:00	6.51	268.26	28.68	3.74	16.72	43.80	46.12	45.91	1.20	435.23	457.22	16.83	7.67	3758	3694	2982
8/16/24 15:00	6.52	267.30	28.14	3.74	16.76	43.00	43.50	45.91	1.19	435.32	458.54	16.84	7.69	3777	3741	2983
8/16/24 16:00	6.51	266.71	27.23	3.74	16.78	41.62	42.81	45.91	1.21	435.24	468.58	16.76	7.86	3793	3756	2983
8/16/24 17:00	6.49	267.11	27.10	3.77	16.71	41.45	42.03	45.90	1.21	434.10	456.22	16.85	7.65	3769	3776	2984
8/16/24 18:00	6.54	267.87	29.92	4.78	16.58	50.33	44.47	45.91	1.22	432.46	456.33	16.84	7.65	3758	3779	2985
8/16/24 19:00	6.53	261.46	27.42	3.55	16.62	41.35	44.38	45.90	1.18	429.69	460.65	16.82	7.72	3776	3773	2985
8/16/24 20:00	6.51	262.46	24.68	3.30	16.51	36.42	42.70	45.89	1.18	434.49	464.16	16.78	7.78	3767	3768	2986
8/16/24 21:00	6.51	263.66	23.74	3.32	16.56	35.09	37.62	45.88	1.17	435.57	455.38	16.83	7.63	3725	3767	2987
8/16/24 22:00	6.55	264.64	25.21	3.38	16.58	37.43	36.31	45.88	1.18	435.49	452.62	16.86	7.59	3727	3756	2988
8/16/24 23:00	6.57	262.67	25.23	3.42	16.67	37.62	36.71	45.87	1.17	434.40	449.91	16.87	7.54	3718	3740	2988
8/17/24 0:00	6.57	262.75	27.04	4.30	16.67	44.15	39.74	45.87	1.17	430.93	443.98	16.89	7.44	3659	3723	2989
8/17/24 1:00	6.59	263.57	23.71	3.75	16.41	36.06	39.28	45.86	1.17	430.81	444.58	16.86	7.45	3627	3701	2989
8/17/24 2:00	6.71	264.00	25.54	3.72	16.60	38.88	39.70	45.85	1.16	431.28	442.19	16.88	7.41	3618	3668	2990
8/17/24 3:00	7.01	265.52	23.87	3.71	16.53	36.28	37.08	45.85	1.16	431.08	440.52	16.88	7.39	3607	3634	2991
8/17/24 4:00	6.60	266.64	29.74	3.65	16.63	45.07	40.08	45.84	1.17	431.75	446.48	16.84	7.49	3619	3617	2991
8/17/24 5:00	6.55	267.05	27.96	3.60	16.64	42.22	41.19	45.84	1.15	433.40	447.60	16.85	7.50	3648	3614	2992
8/17/24 6:00	6.53	266.60	28.31	4.34	16.48	45.84	44.38	45.84	1.17	435.12	453.80	16.80	7.61	3658	3625	2992
8/17/24 7:00	6.50	266.28	27.91	3.63	16.59	42.21	43.42	45.84	1.15	436.28	452.27	16.82	7.58	3665	3642	2993
8/17/24 8:00	6.60	266.25	24.77	3.63	16.63	37.49	41.84	45.83	1.17	435.65	450.11	16.85	7.55	3685	3657	2993
8/17/24 9:00	6.58	267.73	25.15	3.86	16.82	38.83	39.51	45.82	1.16	434.46	452.66	16.84	7.59	3702	3669	2994
8/17/24 10:00	6.82	267.73	24.04	3.75	16.48	36.63	37.65	45.82	1.18	437.50	459.98	16.80	7.71	3741	3684	2995
8/17/24 11:00	6.64	268.21	28.74	3.69	16.74	43.74	39.73	45.81	1.16	439.19	461.28	16.83	7.73	3810	3709	2995
8/17/24 12:00	6.64	269.40	29.62	4.50	16.62	48.88	43.08	45.82	1.16	440.39	469.48	16.78	7.87	3846	3751	2996
8/17/24 13:00	6.61	262.33	28.74	3.70	16.74	43.79	45.47	45.82	1.21	431.07	447.93	16.90	7.51	3726	3799	2997
8/17/24 14:00	6.63	255.18	30.90	3.65	16.60	46.82	46.50	45.82	1.23	421.01	462.89	16.83	7.76	3821	3794	2997
8/17/24 15:00	6.62	266.58	33.02	3.64	16.60	49.98	46.86	45.82	1.26	429.75	457.95	16.82	7.68	3744	3798	2998
8/17/24 16:00	6.58	265.22	33.20	3.66	16.64	50.35	49.05	45.82	1.20	433.49	459.53	16.79	7.70	3724	3764	2999
8/17/24 17:00	6.55	265.31	33.17	3.65	16.67	50.32	50.22	45.83	1.20	436.05	460.65	16.79	7.72	3732	3763	2999
8/17/24 18:00	6.57	264.41	34.22	4.46	16.60	56.44	52.37	45.84	1.19	439.35	462.61	16.76	7.76	3723	3733	3000
8/17/24 19:00	6.67	263.60	28.08	3.52	16.53	42.13	49.63	45.83	1.21	436.25	454.22	16.85	7.62	3735	3727	3001
8/17/24 20:00	6.69	263.06	22.21	3.28	16.52	32.73	43.76	45.82	1.20	431.19	453.40	16.83	7.60	3704	3730	3001
8/17/24 21:00	6.53	265.37	22.14	3.31	16.48	32.69	35.85	45.81	1.20	430.04	453.75	16.84	7.61	3722	3721	3002
8/17/24 22:00	6.54	264.13	21.60	3.38	16.44	32.00	32.47	45.80	1.20	431.95	456.69	16.81	7.66	3722	3720	3003
8/17/24 23:00	6.51	263.28	21.16	3.46	16.48	31.56	32.08	45.79	1.19	432.46	452.67	16.84	7.59	3706	3716	3003
8/18/24 0:00	6.53	263.11	24.08	4.35	16.40	39.17	34.24	45.78	1.19	431.56	448.85	16.86	7.52	3680	3717	3004
8/18/24 1:00	6.57	263.41	25.16	3.79	16.59	38.49	36.41	45.77	1.20	434.60	450.34	16.85	7.55	3688	3703	3004
8/18/24 2:00	6.66	263.23	25.92	3.79	16.57	39.66	39.11	45.77	1.20	430.48	439.94	16.90	7.38	3625	3692	3005
8/18/24 3:00	6.62	262.85	25.93	3.68	16.55	39.34	39.17	45.76	1.19	427.81	434.72	16.94	7.29	3602	3664	3005
8/18/24 4:00	6.61	262.42	24.43	3.70	16.53	37.10	38.70	45.76	1.19	428.60	438.84	16.89	7.36	3587	3639	3006
8/18/24 5:00	6.57	262.75	25.15	3.64	16.66	38.10	38.18	45.75	1.20	431.15	442.51	16.87	7.42	3616	3605	3006
8/18/24 6:00	6.55	263.10	25.30	4.35	16.58	41.29	38									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/19/24 0:00	6.58	270.42	20.62	4.34	15.95	33.48	28.78	45.53	1.30	419.13	393.27	17.10	6.59	3289	3440	3016
8/19/24 1:00	6.62	269.63	19.01	3.54	15.97	28.30	29.28	45.52	1.32	417.12	386.79	17.12	6.48	3223	3362	3016
8/19/24 2:00	6.65	268.43	18.59	3.54	15.89	27.65	29.81	45.50	1.32	416.03	379.77	17.14	6.37	3165	3290	3016
8/19/24 3:00	6.61	265.00	19.04	3.56	15.86	28.34	28.09	45.49	1.32	416.21	380.02	17.11	6.37	3131	3226	3016
8/19/24 4:00	6.63	266.20	18.79	3.53	15.80	27.88	27.95	45.47	1.32	418.47	384.24	17.06	6.44	3121	3173	3016
8/19/24 5:00	6.56	265.88	18.98	3.52	15.73	28.13	28.11	45.46	1.30	418.10	375.37	17.14	6.29	3099	3139	3016
8/19/24 6:00	6.57	265.26	20.22	4.33	15.58	32.46	29.49	45.45	1.32	418.65	379.85	17.08	6.37	3083	3117	3016
8/19/24 7:00	6.52	270.11	18.86	3.53	15.66	27.93	29.51	45.43	1.30	417.94	380.75	17.10	6.38	3120	3101	3016
8/19/24 8:00	6.53	270.60	18.68	3.54	15.65	27.67	29.36	45.42	1.31	417.61	384.74	17.08	6.45	3155	3101	3017
8/19/24 9:00	6.54	268.92	17.54	3.69	15.62	26.26	27.29	45.40	1.31	417.47	381.86	17.10	6.40	3144	3119	3017
8/19/24 10:00	6.49	266.44	18.85	3.70	15.64	28.25	27.39	45.39	1.31	416.98	377.79	17.13	6.33	3123	3140	3017
8/19/24 11:00	6.48	265.28	20.60	3.61	15.70	30.70	28.40	45.37	1.31	418.22	382.35	17.09	6.41	3129	3140	3017
8/19/24 12:00	6.47	265.46	22.59	4.57	15.55	36.85	31.93	45.37	1.31	419.26	380.93	17.10	6.38	3121	3132	3017
8/19/24 13:00	6.58	266.32	20.76	3.65	15.88	31.10	32.88	45.36	1.33	419.80	382.21	17.07	6.41	3108	3124	3017
8/19/24 14:00	6.66	266.13	21.17	3.59	15.69	31.50	33.15	45.34	1.33	419.77	378.42	17.11	6.34	3101	3119	3017
8/19/24 15:00	6.53	266.67	21.39	3.66	15.62	31.94	31.52	45.33	1.31	419.14	373.96	17.13	6.27	3078	3110	3017
8/19/24 16:00	6.78	266.25	20.52	3.63	15.61	30.58	31.34	45.32	1.31	419.67	374.78	17.12	6.28	3072	3096	3017
8/19/24 17:00	6.65	265.75	20.11	3.59	15.64	29.91	30.81	45.31	1.29	419.96	371.61	17.14	6.23	3053	3084	3017
8/19/24 18:00	6.52	265.26	22.52	4.58	15.50	36.96	32.48	45.30	1.30	419.80	369.91	17.14	6.20	3043	3068	3017
8/19/24 19:00	6.96	264.72	19.26	3.54	15.67	28.54	31.80	45.29	1.31	419.64	368.48	17.14	6.18	3024	3056	3017
8/19/24 20:00	6.95	263.57	17.05	3.60	15.76	25.41	30.30	45.27	1.33	419.53	369.58	17.14	6.19	3033	3040	3017
8/19/24 21:00	6.97	263.31	16.13	3.61	15.77	24.05	26.00	45.25	1.30	417.58	362.19	17.18	6.07	2990	3033	3017
8/19/24 22:00	6.67	263.00	16.50	3.72	15.74	24.78	24.75	45.23	1.32	419.31	367.20	17.14	6.15	3001	3015	3017
8/19/24 23:00	6.69	262.94	15.47	3.87	15.66	23.47	24.10	45.22	1.27	418.82	362.23	17.16	6.07	2969	3008	3017
8/20/24 0:00	6.65	263.82	16.43	5.15	15.46	28.01	25.42	45.20	1.30	418.43	359.58	17.17	6.03	2949	2987	3017
8/20/24 1:00	6.67	265.67	14.39	4.14	15.50	22.22	24.56	45.18	1.32	417.96	362.35	17.14	6.07	2940	2973	3017
8/20/24 2:00	6.70	263.46	14.58	4.07	15.50	22.39	24.20	45.16	1.27	417.44	356.14	17.19	5.97	2924	2953	3017
8/20/24 3:00	6.59	266.07	15.18	3.99	15.59	23.20	22.60	45.15	1.28	418.29	362.07	17.13	6.07	2931	2938	3017
8/20/24 4:00	6.58	265.77	13.71	3.99	15.70	20.98	22.19	45.13	1.29	416.82	356.83	17.19	5.98	2933	2932	3017
8/20/24 5:00	6.49	263.96	15.38	3.89	15.76	23.40	22.53	45.11	1.32	414.70	355.65	17.19	5.96	2924	2929	3017
8/20/24 6:00	6.47	267.04	15.81	5.09	15.68	26.85	23.74	45.09	1.32	415.48	361.12	17.14	6.05	2932	2929	3017
8/20/24 7:00	6.53	268.77	14.50	3.95	15.78	22.16	24.14	45.07	1.30	415.14	361.92	17.16	6.07	2962	2930	3017
8/20/24 8:00	6.47	268.32	15.68	3.88	15.87	23.90	24.30	45.06	1.33	416.10	371.20	17.13	6.22	3037	2939	3017
8/20/24 9:00	6.57	266.20	15.15	3.84	15.89	23.02	23.02	45.04	1.32	415.94	366.51	17.18	6.14	3038	2977	3017
8/20/24 10:00	6.42	265.68	17.10	4.02	15.80	26.30	24.40	45.02	1.32	417.29	369.51	17.15	6.19	3043	3012	3017
8/20/24 11:00	6.73	267.21	16.33	4.22	15.76	25.47	24.93	45.01	1.33	419.95	373.29	17.12	6.26	3052	3039	3017
8/20/24 12:00	6.84	268.39	17.38	5.10	15.59	29.43	27.07	44.99	1.31	420.36	364.40	17.19	6.11	3030	3044	3017
8/20/24 13:00	6.69	269.75	17.83	4.02	15.68	27.36	27.42	44.98	1.31	420.49	362.58	17.19	6.08	3009	3041	3017
8/20/24 14:00	6.83	269.76	16.44	4.02	15.70	25.23	27.34	44.96	1.30	421.32	359.75	17.21	6.03	2992	3030	3017
8/20/24 15:00	6.81	268.78	17.52	3.98	15.70	26.82	26.47	44.95	1.29	422.53	367.28	17.17	6.16	3040	3010	3017
8/20/24 16:00	6.78	267.24	16.59	3.93	15.70	25.29	25.78	44.93	1.29	422.77	367.65	17.19	6.16	3064	3014	3017
8/20/24 17:00	6.54	265.89	17.11	3.94	15.66	26.09	26.07	44.92	1.28	423.22	369.67	17.17	6.20	3067	3032	3017
8/20/24 18:00	6.51	265.94	18.58	5.03	15.57	31.34	27.57	44.91	1.29	423.97	372.91	17.14	6.25	3076	3057	3017
8/20/24 19:00	6.57	265.06	21.04	4.18	15.28	32.54	29.99	44.90	1.29	423.54	369.94	17.17	6.20	3072	3069	3017
8/20/24 20:00	7.06	264.63	20.91	4.04	15.52	32.05	31.97	44.88	1.28	424.64	376.91	17.12	6.32	3096	3072	3017
8/20/24 21:00	6.48	263.50	20.91	3.97	15.58	31.92	32.17	44.87	1.25	423.58	369.66	17.16	6.20	3062	3081	3017
8/20/24 22:00	6.24	264.88	21.40	4.05	15.54	32.84	32.27	44.86	1.25	425.00	374.46	17.11	6.28	3058	3077	3017
8/20/24 23:00	6.49	266.78	19.03	4.07	15.51	29.22	31.33	44.85	1.21	424.02	365.89	17.20	6.13	3058	3072	3017
8/21/24 0:00	6.22	262.59	21.51	5.75	15.04	37.78	33.28	44.85	1.23	423.50	372.78	17.12	6.25	3048	3059	3017
8/21/24 1:00	7.62	263.81	20.79	4.51	15.23	32.83	33.28	44.84	1.26	420.73	367.07	17.16	6.15	3026	3054	3017
8/21/24 2:00	7.01	263.89	20.96	4.20	15.53	32.52	34.38	44.83	1.24	420.87	367.91	17.17	6.17	3043	3044	3017
8/21/24 3:00	6.95	262.79	21.10	4.12	15.56	32.55	32.64	44.82	1.27	419.33	367.64	17.15	6.16	3025	3039	3017
8/21/24 4:00	6.97	260.70	18.36	4.13	15.70	28.41	31.16	44.80	1.28	419.38	368.31	17.14	6.17	3021	3031	3017
8/21/24 5:00	6.82	259.96	18.87	4.08	15.63	29.05	30.00	44.79	1.28	417.58	364.55	17.17	6.11	3005	3029	3017
8/21/24 6:00	6.78	261.02	21.02	5.02	15.57	35.47	30.98	44.78	1.30	418.81	369.32	17.12	6.19	3005	3017	3017
8/21/24 7:00	6.74	266.55	19.14	3.95	15.75	29.27	31.26	44.77	1.30	417.71	364.72	17.17	6.11	3008	3010	3017
8/21/24 8:00	6.74	264.47	19.28	3.93	15.81	29.45	31.40	44.76	1.29	419.53	373.39	17.09	6.26	3023	3006	3017
8/21/24 9:00	6.76	258.49	20.68	3.92	15.84	31.58	30.10	44.75	1.27	422.11	376.52	17.08	6.31	3047	3012	3017
8/21/24 10:00	6.77	262.40	21.53	4.01	15.97	33.15	31.39	44.74	1.29	424.27	375.18	17.10	6.29	3057	3026	3017
8/21/24 11:00	6.93	262.08	22.63	4.05	15.77	34.86	33.20	44.73	1.30	424.01	371.32	17.14	6.22	3050	3042	3017
8/21/24 12:00	6.73	278.79	23.70	5.18	15.49	40.57	36.19	44.73	1.30	424.98	373.62	17.11	6.26	3053	3051	3017
8/21/24 13:00	6.91	276.00	22.03	4.06	15.71	33.92	36.45	44.72	1.26	425.72	371.97	17.13	6.23	3056	3053	3017
8/21/24 14:00	6.83	273.50	22.31	4.02	15.64	34.22	36.24	44.71	1.29	427.22	375.71	17.12	6.30	3084	3053	3017
8/21/24 15:00	6.75	271.41	22.21	3.98	15.62	33.96	34.03	44.70	1.27	426.01	373.11	17.13	6.25	3065	3064	3017
8/21/24 16:00	6.66	270.23	22.34	3.99	15.60	34.15	34.11	44.69	1.26	427.45	375.90	17.12	6.30	3092	3068	3017
8/21/24 17:00	6.64	268.60	21.40	4.01	15.56	32.76	33.62	44.68	1.27	428.57	380.23	17.09	6.37	3111	3080	3017
8/21/24 18:00	6.63	267.65	22.60	5.07	15.54	38.29	35.07									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/22/24 12:00	9.54	274.74	14.61	6.85	12.42	26.56	24.08	44.44	1.21	432.47	394.45	17.05	6.61	3230	3207	3019
8/22/24 13:00	10.05	271.49	13.70	6.75	12.49	24.74	25.06	44.42	1.21	434.19	411.05	16.98	6.89	3351	3232	3019
8/22/24 14:00	10.19	285.81	14.73	6.73	12.50	26.56	25.95	44.41	1.20	435.61	420.12	16.98	7.04	3473	3275	3019
8/22/24 15:00	10.16	333.87	15.98	6.64	12.50	28.59	26.63	44.40	1.20	436.31	425.39	16.93	7.13	3478	3351	3020
8/22/24 16:00	10.04	342.93	20.12	6.47	12.72	35.65	30.27	44.39	1.20	435.44	424.69	16.96	7.12	3508	3434	3020
8/22/24 17:00	9.36	341.42	26.17	6.43	12.75	46.23	36.82	44.39	1.21	436.33	421.27	16.97	7.06	3468	3486	3021
8/22/24 18:00	9.38	337.09	27.13	6.58	12.75	48.55	43.47	44.40	1.20	436.38	427.15	16.95	7.16	3519	3485	3021
8/22/24 19:00	9.46	333.55	19.53	6.04	12.64	33.71	42.83	44.39	1.19	433.83	419.26	16.98	7.03	3455	3498	3021
8/22/24 20:00	9.35	330.49	7.88	5.75	12.33	13.06	31.77	44.36	1.20	431.66	391.34	17.06	6.56	3213	3481	3022
8/22/24 21:00	9.55	327.38	6.14	6.11	12.62	10.56	19.11	44.34	1.20	430.49	392.53	17.04	6.58	3204	3396	3022
8/22/24 22:00	9.59	323.48	6.07	6.14	12.69	10.44	11.35	44.31	1.20	430.72	392.34	17.04	6.58	3198	3290	3022
8/22/24 23:00	9.61	324.29	4.01	6.45	12.43	7.06	9.35	44.28	1.20	431.56	395.49	16.99	6.63	3175	3205	3022
8/23/24 0:00	9.75	332.04	8.93	6.79	12.25	16.14	11.21	44.26	1.20	430.31	388.77	17.04	6.52	3156	3192	3022
8/23/24 1:00	9.70	333.83	8.43	6.73	12.40	15.17	12.79	44.24	1.21	428.27	385.26	17.07	6.46	3139	3176	3022
8/23/24 2:00	9.70	330.77	7.87	6.69	12.43	14.13	15.15	44.21	1.21	426.36	385.88	17.07	6.47	3151	3157	3022
8/23/24 3:00	9.87	328.74	7.18	6.70	12.39	12.89	14.06	44.19	1.20	426.59	386.01	17.08	6.47	3164	3149	3023
8/23/24 4:00	9.72	317.88	6.81	6.63	12.41	12.17	13.06	44.16	1.21	426.08	385.63	17.08	6.47	3157	3151	3023
8/23/24 5:00	9.97	312.85	5.47	6.62	12.49	9.77	11.61	44.14	1.21	425.51	386.02	17.07	6.47	3157	3157	3023
8/23/24 6:00	10.04	314.67	7.65	6.75	12.55	13.83	11.92	44.11	1.21	425.58	384.33	17.07	6.44	3135	3159	3023
8/23/24 7:00	9.97	314.56	8.10	6.70	12.55	14.59	12.73	44.09	1.20	425.48	376.52	17.10	6.31	3068	3150	3023
8/23/24 8:00	9.75	319.93	8.46	6.69	12.46	15.87	14.76	44.07	1.21	425.55	386.28	17.04	6.48	3116	3120	3023
8/23/24 9:00	9.75	324.48	8.53	6.66	12.45	15.27	15.24	44.04	1.20	427.97	386.07	17.03	6.47	3103	3106	3023
8/23/24 10:00	9.90	327.36	9.29	6.69	12.40	16.66	15.93	44.02	1.20	430.82	398.19	16.96	6.68	3175	3096	3023
8/23/24 11:00	9.70	327.25	9.12	6.66	12.51	16.35	16.09	44.00	1.20	431.96	400.47	16.99	6.71	3239	3131	3023
8/23/24 12:00	9.81	320.20	10.78	6.76	12.47	19.48	17.50	43.98	1.19	432.77	408.14	16.98	6.84	3315	3172	3023
8/23/24 13:00	9.62	317.50	9.91	6.74	12.22	17.80	17.88	43.96	1.20	431.23	413.39	16.97	6.93	3373	3243	3024
8/23/24 14:00	9.46	320.96	9.24	6.69	12.31	16.55	17.94	43.94	1.22	432.15	417.43	16.95	7.00	3401	3309	3024
8/23/24 15:00	9.76	319.71	9.90	6.75	12.26	17.81	17.38	43.92	1.20	431.75	409.17	17.04	6.86	3413	3363	3024
8/23/24 16:00	9.53	321.19	9.73	6.77	12.25	17.54	17.30	43.90	1.20	431.97	419.11	16.95	7.03	3414	3395	3024
8/23/24 17:00	9.49	323.95	7.92	6.78	12.24	14.28	16.54	43.88	1.20	432.05	418.45	16.98	7.02	3458	3409	3025
8/23/24 18:00	9.48	321.72	10.13	6.85	12.19	18.36	16.73	43.86	1.19	429.50	420.98	16.99	7.06	3499	3428	3025
8/23/24 19:00	9.51	315.54	11.83	6.63	12.26	21.04	17.89	43.84	1.20	427.37	418.86	17.01	7.02	3498	3457	3025
8/23/24 20:00	9.61	312.21	12.84	6.61	12.37	22.86	20.75	43.82	1.21	426.15	417.61	16.98	7.00	3443	3485	3026
8/23/24 21:00	9.56	314.70	13.18	6.66	12.47	23.62	22.51	43.81	1.21	427.35	418.97	16.95	7.02	3418	3480	3026
8/23/24 22:00	9.47	312.08	14.15	6.75	12.54	25.58	24.02	43.79	1.20	428.72	412.42	16.96	6.91	3342	3453	3026
8/23/24 23:00	9.51	312.66	13.74	6.82	12.54	24.99	24.73	43.78	1.20	430.05	407.79	16.94	6.84	3265	3401	3027
8/24/24 0:00	9.58	309.64	17.44	7.05	12.50	32.38	27.65	43.77	1.20	429.66	402.27	16.96	6.74	3217	3342	3027
8/24/24 1:00	9.56	304.06	17.96	7.18	12.63	33.79	30.39	43.76	1.19	430.45	403.76	16.96	6.77	3232	3275	3027
8/24/24 2:00	9.60	306.26	20.00	7.22	12.60	37.73	34.63	43.76	1.19	431.04	404.85	16.97	6.79	3268	3238	3027
8/24/24 3:00	9.51	303.69	20.61	7.17	12.66	38.75	36.76	43.75	1.19	429.04	399.42	17.03	6.70	3272	3239	3027
8/24/24 4:00	9.58	301.13	18.29	7.07	12.80	34.18	36.89	43.75	1.21	430.63	409.28	16.93	6.86	3275	3258	3028
8/24/24 5:00	9.98	300.75	17.69	7.02	12.78	32.89	35.27	43.74	1.21	430.25	405.12	16.99	6.79	3293	3272	3028
8/24/24 6:00	9.83	300.62	19.98	7.08	12.75	37.33	34.80	43.73	1.22	429.66	403.03	17.00	6.76	3280	3280	3028
8/24/24 7:00	9.76	302.85	16.10	6.94	12.71	29.66	33.29	43.72	1.22	430.66	404.70	17.01	6.78	3310	3283	3028
8/24/24 8:00	9.55	304.88	16.23	6.94	12.65	29.87	32.29	43.71	1.21	430.00	402.76	17.01	6.75	3288	3295	3028
8/24/24 9:00	9.59	304.57	21.22	7.07	12.38	39.35	32.96	43.71	1.21	429.63	414.52	16.96	6.95	3377	3293	3029
8/24/24 10:00	10.01	305.15	20.00	7.04	12.62	37.14	35.45	43.70	1.22	432.18	420.37	16.95	7.05	3432	3325	3029
8/24/24 11:00	10.24	306.96	20.80	6.92	12.41	38.06	38.18	43.70	1.21	431.92	422.08	16.95	7.08	3455	3366	3029
8/24/24 12:00	9.94	308.55	25.10	7.04	12.33	46.41	40.54	43.70	1.20	434.19	426.49	16.93	7.15	3487	3421	3029
8/24/24 13:00	9.57	311.06	24.10	6.88	12.45	43.99	42.82	43.70	1.18	435.99	428.25	16.94	7.18	3525	3458	3030
8/24/24 14:00	9.67	309.42	23.36	6.88	12.42	42.61	44.34	43.70	1.18	435.35	427.28	16.96	7.16	3537	3489	3030
8/24/24 15:00	9.61	310.18	23.88	6.89	12.39	43.58	43.39	43.70	1.19	435.95	433.85	16.90	7.27	3539	3516	3031
8/24/24 16:00	9.59	315.43	24.10	6.86	12.41	43.89	43.36	43.70	1.20	437.61	434.29	16.91	7.28	3557	3533	3031
8/24/24 17:00	9.59	315.14	25.49	6.81	12.43	46.21	44.56	43.70	1.19	436.39	437.07	16.91	7.33	3597	3544	3031
8/24/24 18:00	9.74	313.67	26.92	6.92	12.38	49.28	46.46	43.71	1.18	436.56	435.24	16.92	7.30	3586	3564	3032
8/24/24 19:00	9.66	309.52	22.70	6.49	12.37	40.14	45.21	43.70	1.19	435.64	429.36	16.96	7.20	3569	3580	3032
8/24/24 20:00	9.52	308.48	18.52	6.30	12.38	32.15	40.52	43.70	1.18	433.56	429.86	16.94	7.21	3544	3584	3033
8/24/24 21:00	9.52	313.31	17.13	6.40	12.37	29.98	34.09	43.68	1.18	431.20	424.75	16.96	7.12	3512	3567	3033
8/24/24 22:00	9.50	318.63	20.08	6.56	12.44	35.64	32.59	43.68	1.18	430.99	418.70	16.97	7.02	3438	3542	3033
8/24/24 23:00	9.49	315.63	19.07	6.66	12.52	34.18	33.26	43.67	1.18	433.35	417.84	16.93	7.01	3373	3498	3034
8/25/24 0:00	9.65	309.12	21.38	6.93	12.47	39.27	36.36	43.67	1.18	434.55	417.06	16.93	6.99	3365	3441	3034
8/25/24 1:00	9.60	308.21	19.33	6.93	12.58	35.51	36.32	43.66	1.18	434.56	418.73	16.93	7.02	3388	3392	3034
8/25/24 2:00	9.91	307.43	19.66	6.96	12.49	36.18	36.99	43.66	1.19	434.45	418.13	16.93	7.01	3381	3375	3034
8/25/24 3:00	9.65	305.98	20.44	7.00	12.54	37.78	36.49	43.65	1.18	434.81	417.99	16.93	7.01	3376	3378	3035
8/25/24 4:00	9.68	305.49	20.89	7.00	12.54	38.58	37.51	43.65	1.18	433.40	415.73	16.94	6.97	3364	3382	3035
8/25/24 5:00	9.54	306.96	21.84	6.91	12.66	40.11	38.82	43.65	1.18	432.85	415.37	16.94	6.96	3361	3374	3035
8/25/24 6:00	9.54	306.80	23.65	6.93	12.64	43.54	40.74	43.65								

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
8/26/24 0:00	9.47	300.33	22.44	6.73	12.36	40.41	37.50	43.57	1.17	436.99	432.74	16.89	7.26	3518	3611	3042
8/26/24 1:00	9.52	300.70	21.27	6.77	12.30	38.36	38.12	43.57	1.16	434.62	411.13	17.02	6.89	3405	3577	3043
8/26/24 2:00	9.47	300.09	22.30	6.63	12.65	39.97	39.58	43.57	1.16	432.17	402.67	17.06	6.75	3351	3510	3043
8/26/24 3:00	9.34	300.50	23.55	5.22	14.43	38.79	39.04	43.56	1.18	431.15	409.72	17.04	6.87	3417	3424	3043
8/26/24 4:00	8.28	302.10	22.48	5.16	14.54	36.91	38.56	43.56	1.17	430.42	406.55	17.07	6.82	3414	3391	3044
8/26/24 5:00	8.33	302.75	21.22	5.14	14.38	34.70	36.80	43.55	1.16	428.98	402.90	17.09	6.75	3400	3394	3044
8/26/24 6:00	8.31	303.89	24.21	6.17	14.47	43.92	38.51	43.55	1.17	428.55	401.80	17.09	6.74	3381	3411	3044
8/26/24 7:00	8.32	303.75	23.64	5.13	14.58	38.74	39.12	43.55	1.16	427.31	399.96	17.10	6.70	3368	3399	3044
8/26/24 8:00	8.36	308.24	24.50	5.11	14.44	40.02	40.89	43.55	1.18	428.77	413.14	17.03	6.93	3443	3383	3045
8/26/24 9:00	8.30	308.86	25.23	5.12	14.35	41.17	39.98	43.54	1.16	433.04	425.54	17.00	7.13	3570	3398	3045
8/26/24 10:00	8.33	309.11	22.69	5.22	14.66	37.51	39.57	43.54	1.18	433.41	418.57	17.08	7.02	3590	3460	3045
8/26/24 11:00	8.57	308.65	23.61	5.12	14.46	38.60	39.10	43.54	1.18	431.08	413.38	17.09	6.93	3538	3534	3046
8/26/24 12:00	8.40	309.33	25.43	6.17	14.47	46.14	40.75	43.54	1.19	431.11	422.05	17.04	7.08	3589	3566	3046
8/26/24 13:00	8.39	310.35	23.58	5.15	14.52	38.68	41.14	43.54	1.18	433.52	417.53	17.06	7.00	3556	3572	3046
8/26/24 14:00	8.36	311.12	23.97	5.11	14.44	39.17	41.33	43.53	1.17	435.89	430.16	17.01	7.21	3645	3561	3047
8/26/24 15:00	8.33	337.48	23.25	5.11	14.32	37.91	38.58	43.53	1.17	436.79	431.88	17.03	7.24	3696	3597	3047
8/26/24 16:00	8.33	344.81	23.14	5.11	14.33	37.73	38.27	43.52	1.16	436.59	437.39	17.04	7.33	3790	3632	3048
8/26/24 17:00	8.29	346.62	23.69	5.12	14.35	38.66	38.10	43.52	1.15	435.06	436.95	17.04	7.32	3787	3710	3048
8/26/24 18:00	8.31	345.78	24.99	6.15	14.28	45.03	40.47	43.52	1.16	435.84	446.22	16.98	7.48	3831	3757	3049
8/26/24 19:00	8.26	344.81	25.84	4.92	14.19	41.38	41.69	43.52	1.17	433.35	442.80	17.01	7.42	3828	3803	3049
8/26/24 20:00	8.25	343.57	27.22	4.80	14.09	43.19	43.20	43.52	1.14	430.98	427.09	17.06	7.16	3684	3815	3050
8/26/24 21:00	8.26	343.61	27.72	4.85	14.18	44.20	42.92	43.52	1.15	430.90	433.11	17.03	7.26	3725	3781	3050
8/26/24 22:00	8.37	346.00	29.47	5.00	14.36	47.68	45.02	43.52	1.17	432.29	434.56	17.04	7.28	3749	3746	3051
8/26/24 23:00	8.46	343.34	28.67	5.04	14.46	46.59	46.16	43.52	1.16	431.98	429.00	17.05	7.19	3700	3719	3051
8/27/24 0:00	8.47	341.83	29.96	6.25	14.49	54.73	49.67	43.53	1.15	431.37	432.84	17.04	7.26	3731	3725	3052
8/27/24 1:00	8.48	340.50	28.22	5.18	14.58	46.44	49.26	43.54	1.16	430.57	429.09	17.06	7.19	3705	3727	3052
8/27/24 2:00	8.45	339.96	26.89	5.17	14.61	44.26	48.48	43.54	1.16	428.15	420.46	17.09	7.05	3629	3712	3053
8/27/24 3:00	8.50	340.43	26.13	5.15	14.50	42.84	44.51	43.54	1.15	426.41	403.28	17.17	6.76	3512	3688	3053
8/27/24 4:00	8.44	340.32	25.78	5.13	14.45	42.16	43.09	43.53	1.17	427.76	425.95	17.03	7.14	3625	3615	3054
8/27/24 5:00	8.44	340.46	26.82	5.14	14.39	43.90	42.97	43.53	1.15	427.60	414.24	17.10	6.94	3557	3589	3054
8/27/24 6:00	8.45	340.05	21.59	6.69	14.25	40.00	42.02	43.53	1.15	426.25	407.57	17.14	6.83	3528	3564	3054
8/27/24 7:00	8.44	338.70	18.83	5.23	14.52	31.08	38.33	43.52	1.17	427.78	414.68	17.09	6.95	3554	3570	3055
8/27/24 8:00	8.47	339.77	19.42	5.24	14.56	32.10	34.39	43.51	1.17	430.46	423.25	17.01	7.10	3561	3546	3055
8/27/24 9:00	8.42	343.30	18.23	5.22	14.59	30.09	31.09	43.50	1.17	433.88	440.02	16.96	7.38	3714	3548	3055
8/27/24 10:00	8.43	345.42	22.50	5.61	14.41	38.25	33.48	43.50	1.15	434.86	439.57	16.99	7.37	3749	3610	3056
8/27/24 11:00	8.81	346.82	28.52	5.35	14.19	47.27	38.54	43.50	1.17	434.15	445.02	16.98	7.46	3813	3675	3056
8/27/24 12:00	8.46	347.92	30.45	6.34	14.38	55.68	47.07	43.51	1.14	435.23	448.79	16.96	7.52	3838	3759	3057
8/27/24 13:00	8.38	349.50	30.97	5.23	14.41	51.05	51.33	43.52	1.14	434.15	446.45	16.98	7.48	3838	3800	3058
8/27/24 14:00	8.34	350.47	30.23	5.22	14.43	49.78	52.17	43.52	1.15	433.65	447.92	16.99	7.51	3863	3830	3058
8/27/24 15:00	8.33	353.31	31.07	5.20	14.40	51.07	50.63	43.53	1.12	432.89	437.06	17.03	7.33	3770	3846	3059
8/27/24 16:00	8.30	355.87	32.80	5.19	14.33	53.81	51.55	43.54	1.11	432.69	431.85	16.89	7.24	3503	3824	3059
8/27/24 17:00	8.28	354.96	34.45	5.17	14.35	56.44	53.77	43.54	1.12	432.06	427.70	16.77	7.17	3300	3712	3060
8/27/24 18:00	8.30	353.76	35.35	6.33	14.32	64.48	58.24	43.56	1.12	432.11	431.75	16.88	7.24	3494	3524	3060
8/27/24 19:00	8.36	352.52	31.39	4.96	14.38	50.69	57.20	43.57	1.12	431.97	435.85	16.93	7.31	3616	3432	3060
8/27/24 20:00	8.41	351.27	29.19	4.81	14.40	46.57	53.91	43.57	1.12	432.26	437.57	17.00	7.33	3738	3470	3060
8/27/24 21:00	8.42	350.20	28.52	4.83	14.37	45.53	47.60	43.57	1.12	430.10	433.68	17.04	7.27	3739	3616	3061
8/27/24 22:00	8.29	352.76	27.55	4.90	14.51	44.34	45.48	43.57	1.12	430.72	432.53	17.02	7.25	3693	3698	3061
8/27/24 23:00	8.28	348.93	29.33	4.93	14.43	47.22	45.70	43.57	1.14	430.06	422.62	16.99	7.08	3518	3723	3062
8/28/24 0:00	8.25	345.23	28.59	6.11	14.48	51.42	47.66	43.58	1.13	427.47	418.04	17.03	7.01	3514	3650	3062
8/28/24 1:00	8.23	343.53	29.13	5.19	14.43	47.87	48.84	43.58	1.13	424.24	410.41	17.06	6.88	3461	3575	3063
8/28/24 2:00	8.12	343.34	28.93	5.16	14.35	47.38	48.89	43.58	1.14	425.39	421.72	16.99	7.07	3512	3498	3063
8/28/24 3:00	8.15	342.80	28.27	5.21	14.27	46.42	47.23	43.59	1.13	425.82	416.42	17.06	6.98	3540	3496	3063
8/28/24 4:00	8.13	340.57	28.20	5.21	14.23	46.26	46.69	43.59	1.14	424.68	413.92	17.09	6.94	3547	3504	3063
8/28/24 5:00	8.08	339.16	29.21	5.22	14.11	47.85	46.84	43.59	1.15	424.14	414.38	17.09	6.95	3543	3533	3064
8/28/24 6:00	8.05	340.24	29.55	6.27	14.11	53.51	49.21	43.60	1.15	424.18	415.28	17.04	6.96	3495	3543	3064
8/28/24 7:00	8.05	343.32	30.42	5.17	14.13	49.65	50.34	43.60	1.15	424.03	413.49	17.05	6.93	3479	3528	3064
8/28/24 8:00	8.03	345.28	30.42	5.17	14.08	49.63	50.93	43.61	1.17	424.03	420.77	17.01	7.05	3522	3506	3065
8/28/24 9:00	8.04	345.52	29.41	5.31	13.97	48.40	49.23	43.61	1.16	425.47	423.68	17.04	7.10	3606	3499	3065
8/28/24 10:00	8.07	343.11	28.17	5.71	13.76	47.68	48.57	43.61	1.15	428.73	430.21	17.02	7.21	3667	3536	3065
8/28/24 11:00	8.36	342.21	30.80	5.66	13.40	51.65	49.24	43.62	1.16	429.84	432.38	17.02	7.25	3698	3598	3066
8/28/24 12:00	8.33	343.67	30.38	6.68	13.33	56.38	51.90	43.63	1.18	427.59	430.86	17.06	7.22	3736	3657	3066
8/28/24 13:00	8.26	341.57	29.78	5.61	13.32	49.66	52.56	43.63	1.23	424.27	426.42	17.09	7.15	3715	3700	3067
8/28/24 14:00	8.29	339.69	29.82	5.60	13.35	49.73	51.92	43.64	1.20	420.82	418.45	17.12	7.01	3647	3716	3067
8/28/24 15:00	8.32	337.95	29.07	5.66	13.36	48.70	49.36	43.64	1.24	419.14	414.40	17.13	6.95	3608	3699	3068
8/28/24 16:00	8.34	336.49	28.91	5.72	13.32	48.63	49.02	43.64	1.25	418.88	411.92	17.13	6.91	3575	3656	3068
8/28/24 17:00	8.33	335.35	32.39	5.36	13.68	53.28	50.20	43.65	1.25	417.72	406.76	17.15	6.82	3538	3610	3068
8/28/24 18:00	7.96	334.69	35.78	6.45	13.61	65.41	55.77									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
8/29/24 12:00	7.84	334.56	31.23	6.41	14.04	57.05	50.67	43.71	1.23	413.31	379.60	17.30	6.36	3372	3344	3072
8/29/24 13:00	7.78	335.48	29.63	5.26	14.15	48.73	51.06	43.72	1.18	414.12	380.37	17.29	6.38	3372	3358	3073
8/29/24 14:00	7.79	335.48	31.03	5.36	14.11	51.39	52.39	43.72	1.15	416.95	380.06	17.29	6.37	3359	3363	3073
8/29/24 15:00	7.81	334.80	32.16	5.36	14.15	53.31	51.14	43.73	1.15	418.51	378.63	17.29	6.35	3351	3368	3073
8/29/24 16:00	7.79	333.09	31.82	5.32	13.98	52.45	52.38	43.74	1.15	418.87	379.20	17.29	6.36	3353	3361	3073
8/29/24 17:00	7.78	330.65	30.99	5.20	13.96	50.57	52.11	43.74	1.14	420.21	379.95	17.28	6.37	3351	3354	3073
8/29/24 18:00	7.77	329.58	32.20	6.37	13.87	58.61	53.88	43.75	1.15	420.73	377.20	17.30	6.32	3341	3352	3074
8/29/24 19:00	7.75	328.37	30.41	5.16	13.90	49.44	52.87	43.76	1.15	418.99	373.34	17.32	6.26	3320	3348	3074
8/29/24 20:00	7.69	327.85	30.18	5.04	14.13	48.79	52.28	43.76	1.15	417.57	375.29	17.31	6.29	3330	3337	3074
8/29/24 21:00	7.81	331.84	30.77	5.07	14.30	49.96	49.40	43.76	1.16	417.23	376.33	17.31	6.31	3336	3330	3074
8/29/24 22:00	7.91	331.83	31.36	5.12	14.45	51.27	50.01	43.77	1.14	417.72	378.24	17.29	6.34	3342	3329	3074
8/29/24 23:00	7.87	328.77	33.51	5.18	14.76	55.30	52.18	43.78	1.14	418.94	379.10	17.29	6.35	3347	3336	3074
8/30/24 0:00	7.78	326.50	35.71	6.52	14.91	66.79	57.79	43.79	1.14	419.13	380.54	17.29	6.38	3370	3342	3075
8/30/24 1:00	7.82	326.72	34.13	5.45	14.80	57.61	59.90	43.80	1.14	419.23	384.43	17.26	6.44	3388	3353	3075
8/30/24 2:00	7.90	326.10	32.74	5.55	14.82	55.72	60.04	43.81	1.13	421.40	384.94	17.26	6.45	3396	3368	3075
8/30/24 3:00	7.91	325.96	31.56	5.52	14.95	53.72	55.68	43.82	1.13	421.92	388.74	17.24	6.52	3419	3385	3075
8/30/24 4:00	7.90	325.68	31.07	5.36	15.14	52.36	53.93	43.82	1.16	419.14	378.78	17.30	6.35	3361	3401	3076
8/30/24 5:00	7.82	324.81	30.04	5.39	15.18	50.76	52.28	43.83	1.18	414.84	367.74	17.33	6.16	3245	3392	3076
8/30/24 6:00	7.84	323.95	31.68	6.57	15.08	59.81	54.31	43.84	1.20	412.55	368.01	17.32	6.17	3245	3341	3076
8/30/24 7:00	7.82	323.93	27.17	5.48	15.28	46.35	52.31	43.84	1.18	411.94	373.40	17.28	6.26	3262	3283	3076
8/30/24 8:00	7.83	327.40	27.13	5.71	15.08	47.01	51.06	43.84	1.17	414.03	393.18	17.21	6.59	3434	3251	3076
8/30/24 9:00	7.96	331.69	27.47	5.84	14.91	47.97	47.11	43.85	1.19	415.60	401.02	17.20	6.72	3527	3314	3076
8/30/24 10:00	8.06	334.00	27.90	5.70	14.96	48.20	47.73	43.85	1.18	415.94	400.37	17.21	6.71	3529	3408	3077
8/30/24 11:00	8.07	332.90	26.51	5.63	15.35	45.82	47.33	43.85	1.16	417.61	402.20	17.21	6.74	3560	3497	3077
8/30/24 12:00	8.20	332.38	30.20	6.61	15.08	57.27	50.43	43.86	1.15	419.10	403.99	17.21	6.77	3576	3538	3077
8/30/24 13:00	7.98	332.66	29.03	5.43	15.17	49.20	50.76	43.86	1.15	422.24	408.39	17.18	6.85	3608	3555	3078
8/30/24 14:00	7.93	334.55	28.69	5.43	15.19	48.68	51.72	43.87	1.15	421.57	409.02	17.19	6.86	3627	3581	3078
8/30/24 15:00	7.94	335.61	28.72	5.43	15.23	48.77	48.88	43.87	1.17	420.57	414.39	17.16	6.95	3659	3603	3078
8/30/24 16:00	7.93	334.30	29.66	5.37	15.27	50.13	49.19	43.87	1.14	422.73	416.88	17.15	6.99	3669	3631	3079
8/30/24 17:00	7.87	332.35	29.62	5.31	15.32	49.85	49.58	43.88	1.13	424.37	420.93	17.12	7.06	3693	3652	3079
8/30/24 18:00	7.83	331.36	31.32	6.42	15.25	58.61	52.87	43.89	1.14	424.69	424.01	17.12	7.11	3731	3674	3080
8/30/24 19:00	7.80	332.17	26.40	5.09	15.22	43.69	50.72	43.89	1.18	421.04	423.47	17.12	7.10	3728	3698	3080
8/30/24 20:00	7.81	333.66	23.03	5.03	15.17	37.83	46.71	43.88	1.16	419.07	424.78	17.12	7.12	3739	3718	3080
8/30/24 21:00	7.78	335.43	23.92	5.09	15.21	39.50	40.34	43.88	1.15	419.52	424.36	17.13	7.12	3749	3733	3081
8/30/24 22:00	7.81	336.29	24.23	5.01	15.18	39.74	39.02	43.88	1.14	419.70	424.17	17.13	7.11	3743	3739	3081
8/30/24 23:00	7.81	336.62	24.18	5.06	15.03	39.70	39.65	43.88	1.14	420.83	422.41	17.11	7.08	3698	3744	3082
8/31/24 0:00	7.79	331.43	26.15	6.30	14.69	47.96	42.47	43.88	1.14	420.31	417.93	17.12	7.01	3646	3730	3082
8/31/24 1:00	7.74	328.72	25.77	5.30	14.99	43.12	43.59	43.88	1.14	419.43	416.16	17.14	6.98	3646	3695	3083
8/31/24 2:00	7.81	329.13	24.95	5.34	15.04	41.91	44.33	43.88	1.14	418.42	414.40	17.11	6.95	3581	3663	3083
8/31/24 3:00	7.85	328.31	24.51	5.33	15.05	41.14	42.06	43.87	1.13	418.93	418.49	17.10	7.02	3621	3624	3083
8/31/24 4:00	7.86	328.31	24.50	5.32	14.71	40.86	41.30	43.87	1.13	420.62	421.71	17.08	7.07	3635	3616	3084
8/31/24 5:00	7.77	327.87	24.05	5.32	14.49	39.97	40.66	43.87	1.14	421.17	420.59	17.10	7.05	3647	3612	3084
8/31/24 6:00	7.68	328.36	25.37	6.52	14.38	46.99	42.61	43.87	1.14	421.92	421.30	17.09	7.06	3640	3634	3084
8/31/24 7:00	7.65	328.30	24.73	5.36	14.50	41.24	42.73	43.87	1.14	421.40	422.06	17.06	7.08	3611	3641	3085
8/31/24 8:00	7.67	328.69	24.04	5.37	14.52	40.14	42.79	43.87	1.15	421.38	422.54	17.04	7.08	3584	3633	3085
8/31/24 9:00	7.67	331.13	24.13	5.36	14.57	40.28	40.55	43.86	1.17	421.33	424.99	17.04	7.12	3621	3612	3086
8/31/24 10:00	7.72	333.81	25.56	5.29	14.67	42.49	40.97	43.86	1.16	423.02	422.19	17.06	7.08	3606	3605	3086
8/31/24 11:00	7.72	335.80	25.56	5.43	14.81	43.06	41.95	43.86	1.14	424.37	411.60	17.11	6.90	3538	3604	3086
8/31/24 12:00	7.93	335.96	27.60	6.47	14.47	51.03	45.53	43.87	1.14	425.80	400.04	17.14	6.71	3432	3588	3087
8/31/24 13:00	7.71	334.75	26.74	5.33	14.59	44.55	46.22	43.87	1.13	429.16	424.99	17.06	7.12	3651	3525	3087
8/31/24 14:00	7.79	333.63	27.54	5.33	14.56	45.85	47.14	43.87	1.14	429.24	429.17	17.05	7.20	3690	3540	3087
8/31/24 15:00	7.74	333.85	26.61	5.32	14.67	44.35	44.91	43.87	1.14	429.68	431.05	17.04	7.23	3700	3591	3088
8/31/24 16:00	7.77	335.25	27.19	5.30	14.84	45.38	45.19	43.87	1.12	428.70	406.61	17.14	6.82	3516	3680	3088
8/31/24 17:00	7.69	336.81	27.23	5.31	14.89	45.52	45.08	43.87	1.12	428.00	375.25	17.25	6.29	3249	3635	3088
8/31/24 18:00	7.78	335.91	28.94	6.52	14.79	54.01	48.30	43.88	1.11	426.82	369.07	17.28	6.18	3201	3488	3088
8/31/24 19:00	7.77	335.03	26.12	5.19	14.83	43.23	47.59	43.88	1.11	426.66	371.48	17.27	6.23	3219	3322	3088
8/31/24 20:00	7.75	333.67	24.26	5.07	14.76	39.69	45.64	43.88	1.11	425.91	373.17	17.26	6.25	3234	3223	3089
8/31/24 21:00	7.78	332.62	28.50	5.07	14.72	46.62	43.18	43.88	1.13	424.98	375.24	17.25	6.29	3238	3218	3089
8/31/24 22:00	7.79	331.49	47.73	5.20	14.74	78.92	55.08	43.90	1.13	422.76	373.54	17.23	6.26	3198	3231	3089
8/31/24 23:00	7.78	331.06	34.40	5.30	14.77	57.33	60.96	43.91	1.13	421.38	369.22	17.23	6.19	3134	3224	3089
9/1/24 0:00	7.73	326.59	26.25	6.73	14.62	49.49	61.91	43.91	1.14	420.39	368.86	17.23	6.18	3133	3190	3089
9/1/24 1:00	7.72	324.50	25.29	5.53	14.43	42.68	49.83	43.91	1.14	419.15	371.79	17.23	6.23	3177	3155	3089
9/1/24 2:00	7.66	322.28	24.80	5.52	14.41	41.81	44.66	43.91	1.14	417.63	372.76	17.23	6.25	3191	3148	3089
9/1/24 3:00	7.71	322.34	24.71	5.48	14.31	41.48	41.99	43.91	1.14	417.35	381.88	17.21	6.40	3274	3167	3089
9/1/24 4:00	7.68	321.93	25.62	5.49	14.28	42.99	42.09	43.91	1.14	416.85	387.77	17.14	6.50	3269	3214	3089
9/1/24 5:00	7.63	323.20	25.11	5.49	14.30	42.18	42.22	43.91	1.14	416.88	394.62	17.12	6.62	3321	3245	3089
9/1/24 6:00	7.68	322.97	27.52	6.68	14.14	51.43	45.53	43.91								

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/2/24 0:00	7.66	321.20	23.68	6.59	13.99	43.51	38.54	43.90	1.16	415.76	350.87	17.36	5.88	3061	3087	3089
9/2/24 1:00	7.62	319.80	22.07	6.39	14.05	39.83	39.65	43.90	1.16	414.44	348.87	17.36	5.85	3034	3081	3089
9/2/24 2:00	7.58	319.50	24.13	5.70	14.14	41.09	41.47	43.90	1.17	413.08	347.27	17.36	5.82	3015	3061	3089
9/2/24 3:00	7.55	322.06	23.31	5.64	14.15	39.52	40.14	43.89	1.18	412.18	349.11	17.35	5.85	3023	3037	3089
9/2/24 4:00	7.61	330.96	23.73	5.60	14.11	40.06	40.22	43.89	1.21	411.18	348.51	17.35	5.84	3020	3024	3089
9/2/24 5:00	7.59	327.76	24.30	5.59	14.14	41.03	40.20	43.89	1.18	412.61	350.29	17.35	5.87	3043	3019	3089
9/2/24 6:00	7.56	321.70	26.26	6.45	14.05	47.65	42.91	43.89	1.18	411.65	349.68	17.35	5.86	3041	3029	3089
9/2/24 7:00	7.56	323.25	23.44	6.17	14.10	41.54	43.40	43.89	1.21	410.45	350.28	17.34	5.87	3028	3035	3089
9/2/24 8:00	7.56	328.52	24.17	5.94	13.73	41.70	43.63	43.89	1.21	409.62	347.38	17.36	5.82	3014	3038	3089
9/2/24 9:00	7.75	324.10	25.52	5.91	13.90	44.06	42.43	43.89	1.23	410.77	345.44	17.35	5.79	2980	3028	3089
9/2/24 10:00	7.91	323.48	25.62	5.88	13.78	43.99	43.25	43.89	1.26	410.25	340.79	17.39	5.71	2968	3008	3089
9/2/24 11:00	7.86	325.07	24.31	5.90	13.73	41.78	43.27	43.89	1.25	409.70	333.04	17.42	5.58	2900	2987	3089
9/2/24 12:00	7.80	325.42	24.42	6.92	13.92	46.00	43.92	43.89	1.25	410.67	332.08	17.41	5.57	2875	2949	3089
9/2/24 13:00	7.69	326.20	25.88	6.02	13.99	45.13	44.30	43.89	1.24	412.22	330.14	17.42	5.53	2873	2914	3089
9/2/24 14:00	7.71	327.00	27.21	5.77	14.00	46.48	45.87	43.89	1.22	411.92	328.57	17.45	5.51	2883	2882	3089
9/2/24 15:00	7.69	328.25	27.79	5.77	14.00	47.47	46.36	43.89	1.21	413.96	332.72	17.41	5.58	2892	2877	3088
9/2/24 16:00	7.69	328.59	28.06	5.75	14.03	47.89	47.28	43.90	1.23	414.98	331.85	17.42	5.56	2891	2882	3088
9/2/24 17:00	7.71	327.97	26.71	5.77	14.04	45.65	47.00	43.90	1.20	415.83	333.70	17.41	5.59	2897	2888	3088
9/2/24 18:00	7.72	327.25	28.69	6.92	13.95	54.21	49.25	43.90	1.20	415.48	329.17	17.45	5.52	2886	2893	3088
9/2/24 19:00	7.67	325.49	25.69	6.25	14.04	46.16	48.67	43.90	1.22	414.64	329.22	17.45	5.52	2894	2891	3088
9/2/24 20:00	7.76	325.63	23.79	5.56	14.11	40.04	46.80	43.90	1.22	413.71	329.01	17.44	5.51	2883	2892	3088
9/2/24 21:00	7.72	327.45	23.02	5.58	14.15	38.83	41.68	43.90	1.20	413.62	330.88	17.43	5.55	2890	2887	3088
9/2/24 22:00	7.74	324.64	22.85	5.60	14.18	38.63	39.16	43.90	1.18	414.70	335.85	17.40	5.63	2920	2889	3087
9/2/24 23:00	7.78	322.61	22.92	5.65	14.02	38.80	38.75	43.89	1.17	414.71	337.48	17.41	5.66	2945	2897	3087
9/3/24 0:00	7.75	320.11	25.74	6.50	13.95	46.86	41.43	43.89	1.20	413.05	342.95	17.37	5.75	2972	2918	3087
9/3/24 1:00	7.75	319.58	24.00	6.43	13.93	43.32	42.99	43.89	1.19	413.10	344.56	17.35	5.78	2967	2946	3087
9/3/24 2:00	7.72	318.89	23.74	5.79	13.99	40.61	43.60	43.89	1.19	413.75	346.32	17.31	5.81	2948	2961	3087
9/3/24 3:00	7.67	317.87	23.77	5.77	14.14	40.71	41.55	43.89	1.22	413.89	347.85	17.29	5.83	2939	2962	3087
9/3/24 4:00	7.67	318.31	24.87	5.77	14.25	42.67	41.33	43.89	1.22	413.86	346.67	17.29	5.81	2922	2952	3087
9/3/24 5:00	7.63	318.40	25.38	5.76	14.31	43.56	42.32	43.89	1.21	414.83	347.58	17.28	5.83	2921	2937	3087
9/3/24 6:00	7.62	317.76	25.52	6.79	14.22	47.80	44.68	43.89	1.19	416.67	352.71	17.23	5.91	2934	2927	3087
9/3/24 7:00	7.65	318.84	23.31	6.05	14.26	41.07	44.14	43.89	1.19	418.36	353.86	17.23	5.93	2942	2926	3087
9/3/24 8:00	7.67	320.49	22.36	5.68	14.33	38.15	42.34	43.89	1.18	420.15	364.17	17.18	6.10	3011	2933	3087
9/3/24 9:00	7.64	322.20	22.26	5.68	14.37	38.01	39.07	43.88	1.18	422.95	373.62	17.15	6.26	3094	2963	3086
9/3/24 10:00	7.62	324.66	23.24	5.54	14.46	39.26	38.47	43.88	1.18	423.69	376.58	17.14	6.31	3124	3016	3086
9/3/24 11:00	7.47	325.87	23.48	5.45	14.51	39.44	38.90	43.88	1.18	424.18	363.52	17.20	6.09	3030	3076	3087
9/3/24 12:00	7.36	326.63	25.18	6.70	14.64	47.41	42.04	43.88	1.17	423.59	362.70	17.21	6.08	3034	3083	3086
9/3/24 13:00	7.63	327.07	25.70	5.91	14.27	44.67	43.84	43.88	1.18	423.02	360.19	17.22	6.04	3013	3062	3086
9/3/24 14:00	7.50	326.43	25.56	5.69	14.31	43.63	45.24	43.88	1.18	424.81	360.78	17.22	6.05	3018	3025	3086
9/3/24 15:00	7.51	326.11	26.87	5.67	14.47	45.92	44.74	43.88	1.18	427.32	369.10	17.19	6.19	3082	3021	3086
9/3/24 16:00	7.52	325.56	25.63	5.60	14.59	43.62	44.39	43.88	1.18	428.58	374.22	17.18	6.27	3136	3038	3086
9/3/24 17:00	7.48	324.96	26.72	5.60	14.63	45.51	45.02	43.88	1.18	428.15	379.27	17.16	6.36	3174	3079	3086
9/3/24 18:00	7.41	324.51	27.53	6.72	14.58	51.60	46.91	43.89	1.17	426.24	381.01	17.16	6.39	3196	3131	3086
9/3/24 19:00	7.65	324.33	26.14	6.08	14.57	46.36	47.82	43.89	1.17	423.40	375.73	17.17	6.30	3149	3169	3087
9/3/24 20:00	7.60	323.58	26.41	5.25	14.68	43.78	47.25	43.89	1.17	423.56	379.33	17.14	6.36	3154	3173	3087
9/3/24 21:00	7.52	322.91	23.29	5.32	14.53	38.74	42.96	43.88	1.17	424.80	376.67	17.14	6.31	3127	3166	3087
9/3/24 22:00	7.43	320.91	26.93	5.48	14.61	45.44	42.65	43.88	1.17	425.41	370.07	17.14	6.20	3045	3143	3087
9/3/24 23:00	7.55	318.02	24.42	6.32	13.66	43.41	42.53	43.88	1.16	425.27	365.25	17.14	6.12	2977	3109	3087
9/4/24 0:00	8.24	318.58	27.95	7.04	14.14	53.67	47.51	43.89	1.17	425.46	362.72	17.13	6.08	2940	3049	3087
9/4/24 1:00	7.95	316.36	28.06	6.24	14.50	50.35	49.14	43.89	1.17	425.31	358.11	17.15	6.00	2903	2987	3086
9/4/24 2:00	7.84	315.09	29.57	5.96	14.59	51.84	51.95	43.90	1.18	424.91	363.62	17.12	6.09	2940	2940	3086
9/4/24 3:00	7.85	315.08	29.87	5.94	14.62	52.31	51.50	43.91	1.18	424.06	369.56	17.13	6.19	3025	2928	3086
9/4/24 4:00	7.85	314.76	29.07	5.77	14.70	50.28	51.48	43.91	1.17	424.64	369.74	17.13	6.20	3024	2956	3086
9/4/24 5:00	7.74	313.97	29.79	5.83	14.81	51.89	51.49	43.91	1.18	424.67	371.18	17.13	6.22	3036	2996	3086
9/4/24 6:00	7.73	316.09	31.33	7.07	14.73	60.80	54.32	43.92	1.19	424.12	371.95	17.13	6.23	3050	3028	3086
9/4/24 7:00	7.76	320.25	29.64	6.06	14.83	52.67	55.12	43.93	1.19	424.19	374.05	17.12	6.27	3061	3037	3086
9/4/24 8:00	7.76	318.37	31.30	5.99	14.83	55.28	56.25	43.94	1.19	424.95	374.62	17.11	6.28	3061	3049	3086
9/4/24 9:00	7.83	320.34	30.62	6.11	15.02	54.77	54.24	43.94	1.19	425.42	372.39	17.13	6.24	3060	3058	3086
9/4/24 10:00	8.00	320.34	31.20	6.08	14.61	55.29	55.11	43.95	1.17	429.27	391.61	17.05	6.57	3202	3061	3086
9/4/24 11:00	7.87	329.13	31.61	6.06	14.63	55.92	55.33	43.96	1.18	433.28	399.07	17.03	6.69	3264	3107	3086
9/4/24 12:00	7.88	330.24	32.52	7.24	14.58	64.16	58.45	43.97	1.18	435.53	407.35	17.00	6.83	3334	3175	3086
9/4/24 13:00	7.82	328.92	29.75	5.99	14.60	52.31	57.46	43.98	1.17	436.65	411.35	16.99	6.90	3373	3266	3086
9/4/24 14:00	7.85	329.06	26.12	5.86	14.57	45.40	53.95	43.98	1.16	437.22	415.86	16.97	6.97	3403	3324	3087
9/4/24 15:00	7.80	329.10	26.78	5.73	14.61	46.08	47.93	43.98	1.16	438.63	418.07	16.97	7.01	3427	3370	3087
9/4/24 16:00	7.74	328.20	27.73	5.64	14.68	47.42	46.30	43.98	1.15	437.95	409.10	17.02	6.86	3389	3401	3087
9/4/24 17:00	7.68	328.19	28.75	5.57	14.70	48.92	47.48	43.99	1.15	437.09	417.33	16.99	7.00	3455	3406	3087
9/4/24 18:00	7.54	327.88	30.04	6.68	14.78	56.46	50.94	43.99	1.15	436.05	417.65	17.01	7.00	3477		

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/5/24 12:00	7.57	323.13	25.86	6.80	15.06	49.65	44.53	44.00	1.16	431.88	405.28	17.04	6.79	3365	3319	3090
9/5/24 13:00	7.84	325.20	24.86	5.58	14.70	42.34	44.73	44.00	1.14	434.76	404.04	17.02	6.89	3355	3338	3090
9/5/24 14:00	7.78	327.16	25.11	5.56	14.68	42.68	44.89	44.00	1.14	435.74	414.46	17.02	6.95	3449	3354	3091
9/5/24 15:00	7.78	327.89	25.35	5.56	14.63	43.04	42.69	44.00	1.14	435.67	418.11	17.01	7.01	3488	3390	3091
9/5/24 16:00	7.80	327.60	25.67	5.57	14.58	43.59	43.10	44.00	1.14	434.94	418.19	17.02	7.01	3498	3431	3091
9/5/24 17:00	7.81	327.67	26.50	5.36	14.81	44.43	43.68	44.00	1.15	434.68	419.36	17.01	7.03	3498	3478	3091
9/5/24 18:00	7.61	326.73	28.79	6.55	14.74	53.64	47.22	44.00	1.15	434.00	423.86	16.98	7.11	3524	3495	3092
9/5/24 19:00	7.59	326.22	24.57	5.09	14.74	40.35	46.14	44.00	1.15	433.07	421.00	16.96	7.18	3488	3507	3092
9/5/24 20:00	7.61	325.40	22.51	4.87	14.76	36.28	43.42	43.99	1.14	432.06	431.01	16.95	7.23	3571	3504	3092
9/5/24 21:00	7.63	324.68	23.08	4.92	14.74	37.33	37.99	43.99	1.15	432.44	426.93	16.96	7.16	3537	3528	3092
9/5/24 22:00	7.62	324.11	21.47	4.96	14.77	34.84	36.15	43.98	1.15	432.41	415.72	17.00	6.97	3446	3532	3093
9/5/24 23:00	7.65	323.76	20.77	4.97	14.85	33.79	35.32	43.98	1.15	429.85	408.69	17.03	6.85	3396	3518	3093
9/6/24 0:00	7.67	325.24	23.13	6.20	14.97	42.44	37.02	43.98	1.14	428.36	412.76	17.02	6.92	3428	3460	3093
9/6/24 1:00	7.61	324.50	22.57	5.14	15.18	37.41	37.88	43.97	1.15	427.53	410.42	17.03	6.88	3412	3423	3093
9/6/24 2:00	7.62	324.13	23.41	5.15	15.28	38.90	39.58	43.97	1.15	425.78	406.41	17.05	6.81	3382	3412	3094
9/6/24 3:00	7.58	324.19	23.61	5.27	15.37	39.68	38.66	43.97	1.15	424.47	405.44	17.04	6.80	3362	3408	3094
9/6/24 4:00	7.48	324.88	22.95	5.25	14.88	38.17	38.92	43.96	1.14	424.37	403.49	17.05	6.76	3345	3386	3094
9/6/24 5:00	7.45	322.48	22.00	5.25	14.72	36.47	38.11	43.96	1.16	423.76	400.31	17.05	6.71	3305	3363	3094
9/6/24 6:00	7.43	320.74	23.41	6.44	14.57	43.32	39.32	43.96	1.14	424.70	397.68	17.05	6.67	3271	3337	3094
9/6/24 7:00	7.35	321.15	23.91	5.23	14.63	39.53	39.78	43.96	1.14	425.21	398.28	17.05	6.68	3282	3307	3094
9/6/24 8:00	7.35	322.11	23.86	5.24	14.68	39.50	40.79	43.95	1.14	425.68	408.09	16.99	6.84	3335	3286	3094
9/6/24 9:00	7.62	322.83	23.76	5.26	14.64	39.37	39.47	43.95	1.14	425.74	407.99	16.99	6.84	3332	3296	3095
9/6/24 10:00	7.63	323.70	24.32	5.46	14.71	41.01	39.96	43.95	1.15	426.09	408.49	17.00	6.85	3353	3316	3095
9/6/24 11:00	7.93	323.84	25.90	5.33	14.38	43.02	41.14	43.95	1.16	425.82	416.38	16.93	6.98	3352	3340	3095
9/6/24 12:00	7.42	324.38	28.54	6.41	14.55	52.60	45.54	43.95	1.15	425.92	423.79	16.93	7.10	3457	3346	3095
9/6/24 13:00	7.31	324.14	27.89	5.25	14.55	46.13	47.25	43.95	1.15	426.63	428.83	16.92	7.19	3505	3388	3095
9/6/24 14:00	7.31	322.70	27.54	5.25	14.47	45.50	48.08	43.96	1.15	425.76	433.27	16.91	7.26	3550	3438	3095
9/6/24 15:00	7.28	320.87	28.61	5.22	14.42	47.11	46.25	43.96	1.14	427.53	440.16	16.87	7.38	3585	3504	3096
9/6/24 16:00	7.27	320.71	27.73	5.25	14.28	45.69	46.10	43.96	1.15	429.19	425.68	16.91	7.14	3453	3547	3096
9/6/24 17:00	7.29	322.48	28.11	5.34	14.26	46.59	46.46	43.96	1.16	427.98	409.88	16.98	6.87	3335	3529	3096
9/6/24 18:00	7.29	321.30	28.54	6.52	14.19	52.83	48.37	43.97	1.14	428.02	402.34	17.03	6.74	3303	3458	3096
9/6/24 19:00	7.30	320.57	26.17	5.09	14.41	42.64	47.35	43.97	1.16	428.42	404.19	17.00	6.78	3288	3364	3097
9/6/24 20:00	7.30	323.29	25.88	4.97	14.50	41.87	45.78	43.96	1.23	425.21	400.49	17.03	6.71	3284	3309	3097
9/6/24 21:00	7.27	324.82	25.31	5.04	14.51	41.16	41.89	43.96	1.21	422.82	395.59	17.04	6.63	3237	3291	3097
9/6/24 22:00	7.23	327.34	26.14	5.04	14.57	42.57	41.87	43.96	1.21	423.27	393.39	17.03	6.59	3200	3269	3097
9/6/24 23:00	7.26	320.01	25.15	5.13	14.45	41.15	41.63	43.96	1.20	422.96	390.84	17.03	6.55	3168	3240	3097
9/7/24 0:00	7.21	310.86	26.35	6.48	14.20	48.58	44.10	43.96	1.17	422.32	396.64	17.01	6.65	3214	3202	3097
9/7/24 1:00	7.20	306.34	25.56	5.32	14.25	42.30	44.01	43.96	1.17	421.92	395.00	17.02	6.62	3208	3194	3097
9/7/24 2:00	7.21	308.52	25.23	5.37	14.22	41.90	44.26	43.96	1.17	423.20	393.56	17.02	6.60	3181	3197	3097
9/7/24 3:00	7.24	309.42	25.42	5.37	14.29	42.27	42.16	43.96	1.18	422.98	390.86	17.02	6.55	3147	3201	3097
9/7/24 4:00	7.22	310.09	25.64	5.38	14.24	42.62	42.26	43.96	1.19	422.17	383.00	17.05	6.42	3095	3179	3097
9/7/24 5:00	7.24	310.26	25.94	5.37	14.38	43.21	42.70	43.96	1.19	421.40	382.58	17.05	6.41	3087	3141	3097
9/7/24 6:00	7.30	309.90	26.83	6.65	14.27	50.08	45.30	43.96	1.16	421.85	379.90	17.07	6.37	3077	3109	3097
9/7/24 7:00	7.27	310.30	25.27	5.45	14.40	42.36	45.22	43.96	1.18	420.83	379.17	17.05	6.35	3046	3086	3097
9/7/24 8:00	7.38	311.27	26.52	5.36	14.30	44.06	45.50	43.96	1.17	421.17	380.38	17.03	6.38	3032	3070	3097
9/7/24 9:00	7.16	311.61	25.59	5.48	14.64	43.19	43.21	43.96	1.19	420.50	379.54	17.01	6.36	3000	3051	3097
9/7/24 10:00	7.69	313.07	26.40	5.48	14.12	44.18	43.81	43.96	1.22	420.29	381.49	17.03	6.39	3045	3026	3097
9/7/24 11:00	7.85	313.27	25.36	5.44	14.18	42.32	43.23	43.96	1.19	421.60	376.21	17.05	6.31	3009	3026	3097
9/7/24 12:00	7.76	315.09	30.26	6.49	14.21	55.98	47.49	43.97	1.19	422.09	366.77	17.09	6.15	2939	3018	3097
9/7/24 13:00	7.52	315.86	28.85	5.31	14.24	47.71	48.67	43.97	1.22	420.90	364.78	17.11	6.11	2936	2998	3097
9/7/24 14:00	7.26	315.88	30.45	5.30	14.23	50.30	51.33	43.97	1.22	420.44	362.74	17.12	6.08	2926	2961	3097
9/7/24 15:00	7.22	314.94	30.51	5.28	14.26	50.34	49.45	43.98	1.20	419.74	366.16	17.11	6.14	2959	2934	3097
9/7/24 16:00	7.24	313.99	30.45	5.28	14.24	50.25	50.30	43.98	1.22	418.41	363.95	17.14	6.10	2963	2941	3097
9/7/24 17:00	7.21	314.50	30.78	5.29	14.20	50.79	50.46	43.98	1.23	416.74	363.65	17.14	6.09	2964	2950	3097
9/7/24 18:00	7.25	313.62	32.73	6.49	14.14	60.33	53.79	43.99	1.20	417.08	362.29	17.15	6.07	2956	2962	3096
9/7/24 19:00	7.27	312.73	26.26	5.59	14.18	44.27	51.79	43.99	1.19	416.70	359.60	17.15	6.03	2920	2961	3096
9/7/24 20:00	7.23	311.82	20.73	5.76	14.22	35.52	46.70	43.99	1.19	415.77	354.39	17.18	5.94	2892	2947	3096
9/7/24 21:00	7.25	312.78	19.66	5.75	14.21	33.67	37.82	43.98	1.18	415.93	354.71	17.11	5.94	2823	2923	3096
9/7/24 22:00	7.26	315.75	17.65	5.82	14.15	30.34	33.18	43.97	1.18	412.94	342.58	17.01	5.74	2587	2878	3096
9/7/24 23:00	7.31	316.21	17.92	5.82	14.16	30.83	31.61	43.97	1.19	410.97	345.88	16.97	5.80	2586	2768	3096
9/8/24 0:00	7.39	311.10	19.37	6.17	14.23	34.38	31.85	43.96	1.19	411.19	346.65	17.01	5.81	2627	2666	3095
9/8/24 1:00	7.40	305.16	18.75	6.20	14.32	33.40	32.87	43.95	1.20	410.89	343.38	16.98	5.75	2562	2600	3095
9/8/24 2:00	7.39	301.89	17.61	6.23	14.34	31.45	33.08	43.95	1.20	411.57	348.81	17.04	5.85	2682	2591	3095
9/8/24 3:00	7.50	301.09	18.30	6.20	14.22	32.52	32.46	43.94	1.21	410.93	348.84	16.92	5.85	2571	2623	3094
9/8/24 4:00	7.32	300.28	18.62	5.93	14.18	32.35	32.11	43.93	1.21	411.48	352.35	16.99	5.91	2677	2605	3094
9/8/24 5:00	7.41	300.09	17.18	5.82	14.18	29.57	31.48	43.92	1.21	412.18	352.46	17.07	5.91	2751	2643	3094
9/8/24 6:00	7.62	300.71	18.40	6.06	14.05	32.23	31.38	43.92	1.21	411.38	348.36	17.11	5.84	2746		

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
9/9/24 0:00	7.43	311.74	23.84	6.42	14.83	43.84	38.67	43.86	1.19	420.46	367.56	17.08	6.16	2944	2963	3090
9/9/24 1:00	7.39	316.08	21.44	5.84	14.94	37.53	38.95	43.85	1.19	417.17	363.17	17.13	6.09	2940	2953	3090
9/9/24 2:00	7.45	317.48	21.15	5.46	15.25	35.99	39.12	43.85	1.18	414.32	361.73	17.14	6.06	2937	2945	3090
9/9/24 3:00	7.62	316.76	21.22	5.47	15.26	36.16	36.56	43.84	1.18	412.29	361.04	17.16	6.05	2955	2941	3090
9/9/24 4:00	7.55	312.86	21.38	5.45	15.12	36.27	36.14	43.84	1.17	414.19	368.84	17.13	6.18	3008	2944	3090
9/9/24 5:00	7.44	310.63	21.20	5.46	15.21	36.05	36.16	43.83	1.17	415.31	371.68	17.12	6.23	3031	2967	3090
9/9/24 6:00	7.44	310.57	22.14	6.38	15.06	40.65	37.66	43.83	1.17	415.12	372.33	17.13	6.24	3056	2998	3090
9/9/24 7:00	7.41	312.56	21.69	6.11	15.16	38.99	38.57	43.83	1.16	415.27	368.90	17.16	6.18	3045	3031	3090
9/9/24 8:00	7.43	313.41	22.09	5.51	15.08	37.66	39.10	43.83	1.17	416.19	370.18	17.13	6.20	3029	3044	3090
9/9/24 9:00	7.43	314.57	21.78	5.69	14.67	37.40	38.02	43.82	1.16	416.87	376.23	17.11	6.31	3086	3043	3090
9/9/24 10:00	7.65	315.26	21.47	5.77	14.86	37.24	37.43	43.82	1.16	416.17	376.87	17.13	6.32	3113	3053	3090
9/9/24 11:00	7.82	317.14	22.87	5.47	14.83	38.70	37.78	43.82	1.16	418.95	381.76	17.11	6.40	3144	3076	3090
9/9/24 12:00	7.44	317.55	25.20	6.30	14.75	45.73	40.56	43.82	1.16	418.56	384.49	17.11	6.44	3189	3114	3090
9/9/24 13:00	7.39	318.72	25.03	6.11	14.78	44.67	43.03	43.82	1.16	418.46	384.05	17.12	6.44	3186	3149	3090
9/9/24 14:00	7.37	308.60	24.89	5.50	14.74	42.15	44.18	43.82	1.16	415.20	402.06	17.04	6.74	3321	3173	3090
9/9/24 15:00	7.33	316.67	25.17	5.50	14.66	42.54	43.12	43.82	1.15	417.90	409.06	17.04	6.86	3405	3232	3090
9/9/24 16:00	7.33	317.00	24.93	5.49	14.60	42.09	42.26	43.81	1.15	422.55	411.26	17.00	6.89	3389	3304	3090
9/9/24 17:00	7.34	317.94	24.47	5.50	14.69	41.39	42.01	43.81	1.16	424.05	406.41	17.03	6.81	3357	3372	3091
9/9/24 18:00	7.38	317.58	25.35	6.45	14.53	46.42	43.30	43.81	1.16	424.05	404.39	17.04	6.78	3346	3384	3091
9/9/24 19:00	7.25	320.15	21.99	5.93	14.53	38.67	42.16	43.81	1.21	421.95	402.52	17.07	6.75	3364	3364	3091
9/9/24 20:00	7.29	319.66	20.34	5.40	14.58	34.06	39.72	43.81	1.19	421.26	400.06	17.06	6.71	3324	3356	3091
9/9/24 21:00	7.30	321.37	20.34	5.43	14.60	34.16	35.63	43.80	1.17	422.80	397.72	17.07	6.67	3300	3345	3091
9/9/24 22:00	7.28	323.88	20.12	5.46	14.65	33.92	34.04	43.79	1.19	422.26	397.61	17.06	6.67	3286	3329	3091
9/9/24 23:00	7.30	318.54	19.49	5.52	14.66	33.00	33.69	43.79	1.18	421.51	394.02	17.08	6.61	3266	3303	3091
9/10/24 0:00	7.30	315.20	22.97	6.38	14.68	41.90	36.27	43.79	1.20	419.81	390.19	17.10	6.54	3247	3284	3091
9/10/24 1:00	7.32	313.80	22.16	6.35	14.68	40.24	38.38	43.79	1.18	419.80	387.15	17.12	6.49	3230	3266	3092
9/10/24 2:00	7.27	312.40	22.97	5.71	14.54	39.42	40.52	43.78	1.17	420.61	386.80	17.10	6.48	3199	3248	3092
9/10/24 3:00	7.39	311.85	24.03	5.70	14.58	41.24	40.30	43.78	1.21	417.82	379.53	17.14	6.36	3162	3225	3092
9/10/24 4:00	7.36	311.85	23.86	5.66	14.66	40.87	40.51	43.78	1.21	416.32	374.80	17.15	6.28	3115	3197	3092
9/10/24 5:00	7.33	312.31	23.18	5.64	14.77	39.71	40.61	43.78	1.19	416.09	371.06	17.17	6.22	3089	3159	3092
9/10/24 6:00	7.35	310.61	23.97	6.53	14.67	44.32	41.64	43.78	1.17	417.05	370.42	17.17	6.21	3079	3122	3092
9/10/24 7:00	7.31	309.42	20.57	6.01	14.69	36.44	40.16	43.77	1.17	417.24	371.93	17.16	6.23	3083	3094	3092
9/10/24 8:00	7.32	310.17	19.30	5.49	14.72	32.64	37.80	43.77	1.18	419.58	376.23	17.13	6.31	3110	3084	3092
9/10/24 9:00	7.33	311.14	20.11	5.45	14.77	33.94	34.34	43.76	1.19	421.25	375.65	17.15	6.30	3120	3091	3092
9/10/24 10:00	7.34	311.59	20.58	5.45	14.77	34.70	33.76	43.76	1.17	420.33	376.29	17.17	6.31	3157	3104	3092
9/10/24 11:00	7.28	312.91	20.56	5.66	14.88	35.36	34.67	43.75	1.17	420.26	379.65	17.17	6.36	3196	3129	3092
9/10/24 12:00	7.49	313.43	22.19	6.74	14.45	41.67	37.24	43.75	1.17	421.36	384.31	17.14	6.44	3224	3158	3092
9/10/24 13:00	7.55	314.80	21.74	5.74	14.73	37.58	38.20	43.75	1.16	422.03	373.94	17.20	6.27	3165	3192	3092
9/10/24 14:00	7.28	317.40	21.70	5.49	14.78	36.73	38.66	43.74	1.15	422.12	371.07	17.21	6.22	3142	3195	3092
9/10/24 15:00	7.24	318.51	21.70	5.52	14.85	36.88	37.06	43.74	1.15	423.37	371.68	17.21	6.23	3140	3177	3092
9/10/24 16:00	7.24	318.23	23.43	5.47	14.80	39.61	37.74	43.74	1.15	424.21	378.89	17.18	6.35	3205	3149	3092
9/10/24 17:00	7.25	318.06	22.19	5.53	14.72	37.64	38.05	43.73	1.15	425.64	385.96	17.15	6.47	3254	3163	3092
9/10/24 18:00	7.24	317.11	23.04	6.72	14.68	43.32	40.19	43.73	1.15	426.18	388.59	17.14	6.51	3277	3200	3092
9/10/24 19:00	7.38	316.16	22.15	6.20	14.73	39.99	40.32	43.73	1.14	424.82	386.88	17.15	6.49	3266	3246	3092
9/10/24 20:00	7.32	315.68	21.52	5.51	14.77	36.50	39.94	43.73	1.15	424.57	387.14	17.15	6.49	3270	3266	3092
9/10/24 21:00	7.32	315.22	21.16	5.56	14.81	36.05	37.51	43.72	1.14	422.07	385.65	17.16	6.47	3259	3271	3093
9/10/24 22:00	7.27	314.71	22.46	5.51	14.86	38.14	36.90	43.72	1.14	421.03	373.51	17.18	6.26	3131	3265	3093
9/10/24 23:00	7.13	316.03	22.90	5.52	14.87	38.93	37.71	43.71	1.14	420.94	376.67	17.11	6.31	3082	3220	3093
9/11/24 0:00	7.02	316.78	25.16	6.31	14.85	45.83	40.97	43.72	1.15	421.24	375.30	17.13	6.29	3098	3157	3093
9/11/24 1:00	7.06	312.50	25.16	6.37	15.07	46.10	43.62	43.72	1.16	422.81	382.19	17.12	6.41	3164	3104	3093
9/11/24 2:00	7.07	308.41	25.27	5.67	15.11	43.65	45.20	43.72	1.16	421.64	378.29	17.16	6.34	3165	3115	3093
9/11/24 3:00	7.12	308.18	24.41	5.64	15.15	42.08	43.95	43.72	1.16	419.99	377.60	17.16	6.33	3160	3142	3093
9/11/24 4:00	7.18	309.13	24.86	5.62	15.13	42.80	42.85	43.72	1.15	419.08	374.75	17.17	6.28	3130	3163	3093
9/11/24 5:00	7.09	308.05	23.80	5.66	15.19	41.12	42.00	43.71	1.16	420.21	375.85	17.16	6.30	3133	3152	3093
9/11/24 6:00	7.13	310.62	26.25	6.49	15.01	48.69	44.21	43.72	1.17	417.74	368.21	17.23	6.17	3132	3141	3093
9/11/24 7:00	7.08	310.82	24.14	6.38	15.06	44.28	44.70	43.72	1.17	416.72	374.84	17.17				

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/12/24 12:00	7.70	322.72	21.41	6.92	14.71	41.00	38.57	43.68	1.15	417.84	224.72	17.26	6.46	1976	2758	3095
9/12/24 13:00	7.89	322.49	19.59	6.27	14.45	35.19	37.70	43.67	1.15	416.48	219.34	17.26	6.46	1936	2330	3094
9/12/24 14:00	8.09	323.74	20.13	5.92	14.28	34.98	37.06	43.67	1.16	415.11	225.85	17.27	6.47	2000	1983	3093
9/12/24 15:00	8.08	324.46	20.40	5.85	14.28	35.26	35.15	43.66	1.18	414.32	258.03	17.21	6.59	2246	1971	3093
9/12/24 16:00	8.09	324.74	20.18	5.75	14.43	34.64	34.96	43.66	1.17	416.45	265.62	17.15	6.72	2281	2061	3092
9/12/24 17:00	7.89	324.30	22.53	5.46	14.76	38.03	35.98	43.65	1.20	416.18	266.20	17.13	6.72	2270	2176	3092
9/12/24 18:00	7.65	322.66	24.30	6.57	14.72	45.15	39.27	43.65	1.17	418.34	281.01	17.09	6.80	2375	2266	3091
9/12/24 19:00	7.85	321.65	23.36	5.68	14.78	40.54	41.24	43.65	1.15	420.32	286.82	17.09	6.79	2421	2309	3091
9/12/24 20:00	7.80	321.87	19.69	4.98	14.74	31.97	39.22	43.65	1.16	421.36	290.05	17.07	6.86	2442	2355	3091
9/12/24 21:00	7.79	323.56	19.97	5.15	14.81	32.91	35.14	43.64	1.15	421.75	286.98	17.06	6.87	2414	2413	3090
9/12/24 22:00	7.79	326.47	21.53	5.17	14.84	35.55	33.48	43.64	1.16	422.42	293.35	17.06	6.83	2456	2426	3090
9/12/24 23:00	7.82	326.35	21.76	5.16	14.90	35.96	34.81	43.63	1.14	424.07	296.96	17.07	6.73	2476	2437	3089
9/13/24 0:00	7.80	326.72	24.69	6.62	14.97	46.59	39.37	43.63	1.14	425.11	301.68	17.07	6.69	2506	2448	3089
9/13/24 1:00	7.78	330.44	24.57	5.42	15.03	41.52	41.36	43.63	1.15	425.50	306.05	17.05	6.69	2530	2479	3089
9/13/24 2:00	7.80	329.77	24.07	5.39	15.00	40.58	42.89	43.63	1.15	426.20	322.37	17.04	6.69	2645	2504	3089
9/13/24 3:00	7.80	329.89	23.62	5.39	15.06	39.83	40.64	43.63	1.14	425.47	299.17	17.11	6.56	2496	2561	3088
9/13/24 4:00	7.79	327.03	23.21	5.38	15.07	39.13	39.84	43.62	1.14	424.10	298.95	17.09	6.58	2486	2557	3088
9/13/24 5:00	7.79	321.48	22.37	5.52	14.99	38.10	39.02	43.62	1.15	424.79	303.77	17.06	6.63	2509	2542	3088
9/13/24 6:00	7.76	322.77	23.60	6.88	14.89	45.52	40.92	43.62	1.14	423.72	308.16	17.05	6.63	2533	2497	3087
9/13/24 7:00	7.80	325.21	23.46	5.51	15.04	39.96	41.19	43.62	1.14	424.17	301.60	17.07	6.59	2488	2509	3087
9/13/24 8:00	7.73	325.20	24.02	5.39	15.12	40.55	42.01	43.62	1.16	424.06	301.12	17.07	6.64	2493	2510	3087
9/13/24 9:00	7.62	327.15	23.17	5.33	15.50	39.21	39.90	43.62	1.19	418.92	266.90	17.22	6.45	2309	2505	3086
9/13/24 10:00	7.65	329.14	22.40	5.31	15.20	37.65	39.13	43.61	1.14	416.77	243.48	17.27	6.37	2134	2430	3086
9/13/24 11:00	7.51	330.01	22.53	5.41	15.12	38.10	38.32	43.61	1.14	417.58	227.03	17.26	6.46	1998	2312	3085
9/13/24 12:00	7.47	329.25	24.98	6.74	14.97	47.67	41.14	43.61	1.12	421.15	231.86	17.24	6.58	2043	2147	3085
9/13/24 13:00	7.46	329.07	24.32	5.46	15.00	41.23	42.33	43.61	1.12	421.73	252.51	17.24	6.61	2237	2058	3084
9/13/24 14:00	7.42	329.08	23.68	5.46	14.98	40.11	43.00	43.61	1.12	422.04	248.78	17.25	6.60	2214	2093	3084
9/13/24 15:00	7.46	329.32	24.02	5.45	14.97	40.67	40.67	43.61	1.14	418.30	219.76	17.25	6.61	1958	2164	3083
9/13/24 16:00	7.46	329.47	25.78	5.44	14.92	43.59	41.46	43.61	1.15	415.94	232.03	17.21	6.68	2044	2136	3083
9/13/24 17:00	7.45	328.96	26.53	5.33	15.00	44.49	42.92	43.61	1.20	414.69	240.65	17.20	6.68	2110	2072	3082
9/13/24 18:00	7.44	327.61	25.35	6.77	15.04	48.21	45.43	43.61	1.20	415.97	305.78	17.07	6.88	2585	2038	3081
9/13/24 19:00	7.40	325.00	25.15	5.44	15.28	42.75	45.15	43.61	1.16	419.89	308.15	17.01	6.93	2558	2246	3081
9/13/24 20:00	7.35	322.20	26.51	5.41	15.38	45.03	45.33	43.61	1.16	422.12	313.87	17.00	6.94	2594	2418	3081
9/13/24 21:00	7.42	320.19	26.49	5.41	15.14	44.81	44.20	43.61	1.16	425.71	324.90	16.95	7.09	2664	2579	3081
9/13/24 22:00	7.55	317.83	27.68	5.35	14.96	46.47	45.44	43.61	1.16	427.57	326.13	16.98	7.02	2687	2605	3080
9/13/24 23:00	7.67	317.31	26.79	5.30	14.96	44.78	45.35	43.61	1.16	425.99	322.17	16.98	7.00	2657	2649	3080
9/14/24 0:00	7.70	317.39	26.41	6.69	14.92	49.89	47.05	43.62	1.16	426.30	319.77	17.00	6.95	2640	2670	3080
9/14/24 1:00	7.63	316.72	26.34	5.44	14.99	44.59	46.42	43.62	1.15	427.17	326.41	16.98	6.92	2675	2662	3080
9/14/24 2:00	7.67	317.41	26.07	5.43	14.94	44.04	46.17	43.62	1.16	426.90	327.52	16.98	6.91	2677	2657	3079
9/14/24 3:00	7.65	317.82	26.97	5.38	15.01	45.43	44.69	43.62	1.17	426.99	329.03	16.98	6.90	2689	2664	3079
9/14/24 4:00	7.80	317.81	24.04	5.48	15.02	40.84	43.44	43.62	1.17	426.26	324.31	16.99	6.87	2651	2680	3079
9/14/24 5:00	7.89	317.19	24.11	5.51	14.98	41.02	42.43	43.62	1.16	427.05	325.96	17.00	6.88	2679	2672	3079
9/14/24 6:00	7.87	316.92	27.36	6.58	15.00	51.18	44.35	43.62	1.19	424.15	315.48	17.01	6.87	2603	2673	3079
9/14/24 7:00	7.87	315.48	24.64	5.69	14.99	42.58	44.93	43.62	1.18	422.85	309.83	16.98	6.89	2526	2644	3078
9/14/24 8:00	7.86	316.68	24.67	5.53	15.08	42.13	45.30	43.62	1.19	423.51	326.64	16.95	7.00	2661	2603	3078
9/14/24 9:00	7.85	319.78	24.53	5.54	15.03	41.89	42.20	43.62	1.21	422.77	313.19	16.99	6.94	2575	2597	3078
9/14/24 10:00	7.87	323.53	25.28	5.53	14.97	43.08	42.36	43.62	1.18	424.70	322.74	16.94	7.03	2628	2587	3077
9/14/24 11:00	7.92	325.13	25.17	5.69	14.91	43.42	42.80	43.62	1.17	426.45	311.58	16.97	7.01	2561	2621	3077
9/14/24 12:00	8.14	326.65	25.78	7.12	14.62	50.30	45.60	43.62	1.19	425.61	312.79	16.97	7.01	2572	2588	3077
9/14/24 13:00	8.26	327.60	25.80	5.94	14.48	45.10	46.27	43.62	1.17	427.09	317.40	16.97	7.02	2612	2587	3077
9/14/24 14:00	8.23	327.78	27.03	5.91	14.46	47.08	47.49	43.62	1.16	426.84	316.37	16.98	7.00	2604	2582	3076
9/14/24 15:00	8.28	329.51	27.02	5.89	14.42	46.95	46.38	43.63	1.17	427.04	320.95	16.96	7.03	2635	2596	3076
9/14/24 16:00	8.23	331.96	26.39	5.87	14.41	45.81	46.61	43.63	1.19	425.80	318.74	16.98	7.02	2624	2617	3076
9/14/24 17:00	8.28	331.61	27.18	5.59	14.72	46.32	46.36	43.63	1.20	423.75	318.03	16.98	7.00	2614	2621	3076
9/14/24 18:00	7.98	331.36	27.77	6.85	14.60	52.90	48.34	43.63	1.18	425.29	323.74	16.94	7.11	2644	2624	3075
9/14/24 19:00	7.99	330.18	25.91	5.45	14.73	43.73	47.65	43.63	1.15	427.64	335.95	16.92	7.14	2732	2627	3075
9/14/24 20:00	7.69	330.24	26.02	5.27	14.70	43.21	46.62	43.63	1.14	427.97	319.82	16.98	6.99	2636	2664	3075
9/14/24 21:00	7.42	329.98	27.57	5.32	14.83	46.07	44.34	43.63	1.16	428.90	351.46	16.92	7.10	2855	2671	3075
9/14/24 22:00	7.21	330.96	28.66	5.32	14.88	47.95	45.74	43.64	1.17	426.42	317.35	17.00	6.95	2622	2741	3075
9/14/24 23:00	7.19	333.38	30.15	5.29	14.96	50.39	48.14	43.64	1.18	425.93	330.76	16.95	7.03	2700	2704	3074
9/15/24 0:00	7.19	334.94	31.06	6.43	14.86	57.08	51.80	43.65	1.18	426.57	332.83	16.94	7.06	2711	2726	3074
9/15/24 1:00	7.21	333.77	29.78	5.64	14.95	51.24	52.90	43.65	1.20	426.62	340.40	16.93	7.09	2766	2678	3074
9/15/24 2:00	7.18	334.06	29.49	5.35	14.98	49.54	52.62	43.66	1.20	427.08	344.18	16.91	7.08	2773	2726	3074
9/15/24 3:00	7.26	333.81	29.91	5.34	14.94	50.16	50.31	43.66	1.19	428.60	352.76	16.86	7.13	2806	2750	3074
9/15/24 4:00	7.18	333.19	29.68	5.32	14.96	49.69	49.79	43.66	1.19	429.07	367.21	16.86	7.16	2919	2782	3073
9/15/24 5:00	7.27	330.76	28.10	5.31	14.95	47.04	48.96	43.66	1.19	430.08	372.42	16.85	7.19	2958	2833	3073
9/15/24 6:00	7.39	328.58	26.65	6.66	14.85	50.07	48.93									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
9/16/24 0:00	6.95	321.87	30.09	6.43	15.14	55.66	50.97	43.72	1.17	433.64	391.64	16.80	7.42	3109	3146	3074
9/16/24 1:00	7.01	320.63	28.82	5.57	15.01	49.36	51.37	43.72	1.17	433.87	391.20	16.81	7.40	3111	3124	3074
9/16/24 2:00	7.02	318.66	30.12	5.38	15.08	50.80	51.94	43.72	1.16	434.58	393.91	16.81	7.32	3117	3111	3074
9/16/24 3:00	7.02	314.95	30.37	5.38	15.11	51.21	50.46	43.73	1.14	435.32	393.40	16.81	7.26	3103	3112	3074
9/16/24 4:00	7.09	314.16	29.61	5.33	15.12	49.75	50.59	43.73	1.14	435.19	392.01	16.81	7.21	3078	3110	3074
9/16/24 5:00	7.17	315.05	29.21	5.34	15.21	49.21	50.06	43.73	1.15	434.96	387.95	16.81	7.15	3034	3099	3074
9/16/24 6:00	7.08	314.67	27.06	6.80	15.52	52.14	50.37	43.74	1.15	434.48	387.44	16.83	7.12	3041	3072	3074
9/16/24 7:00	7.72	315.87	25.47	5.50	15.44	43.63	48.33	43.74	1.15	434.57	364.29	16.82	7.13	2848	3051	3074
9/16/24 8:00	7.54	313.45	26.32	5.41	15.09	44.49	46.75	43.74	1.16	434.75	421.06	16.77	7.10	3222	2974	3074
9/16/24 9:00	7.38	311.43	27.38	5.59	15.10	47.02	45.05	43.74	1.16	435.41	399.61	16.78	7.36	3137	3037	3074
9/16/24 10:00	7.30	310.37	26.45	5.77	15.34	46.26	45.92	43.74	1.15	437.28	398.56	16.79	7.36	3138	3069	3074
9/16/24 11:00	7.31	310.11	25.30	5.87	15.16	44.48	45.92	43.74	1.13	441.47	400.47	16.76	7.45	3146	3166	3074
9/16/24 12:00	7.29	310.79	27.48	7.15	15.37	54.70	48.48	43.75	1.15	442.57	429.33	16.77	7.51	3398	3140	3075
9/16/24 13:00	7.32	312.97	27.06	5.70	15.65	47.30	48.83	43.75	1.17	442.67	412.05	16.77	7.51	3256	3227	3075
9/16/24 14:00	7.25	313.84	27.97	5.71	15.61	48.91	50.30	43.75	1.15	443.21	415.47	16.77	7.54	3298	3267	3075
9/16/24 15:00	7.15	314.62	28.36	5.67	15.47	49.30	48.50	43.76	1.15	444.53	425.59	16.75	7.57	3366	3318	3075
9/16/24 16:00	7.31	317.15	27.08	5.65	15.25	46.84	48.35	43.76	1.15	443.66	418.07	16.77	7.54	3321	3307	3075
9/16/24 17:00	7.34	317.03	28.51	5.60	15.14	48.99	48.38	43.76	1.18	438.87	405.44	16.79	7.55	3241	3329	3075
9/16/24 18:00	7.33	324.27	30.34	6.76	15.05	57.86	51.23	43.77	1.17	436.10	394.25	16.81	7.50	3166	3310	3075
9/16/24 19:00	7.44	326.13	25.83	5.28	15.05	43.26	50.03	43.77	1.17	435.08	392.07	16.81	7.45	3139	3243	3075
9/16/24 20:00	7.28	321.91	21.76	5.16	15.10	36.08	45.73	43.76	1.15	435.68	384.79	16.81	7.48	3084	3182	3075
9/16/24 21:00	7.17	316.07	22.34	5.27	15.16	37.39	38.91	43.76	1.15	434.16	371.33	16.84	7.44	2999	3130	3075
9/16/24 22:00	7.17	315.38	25.00	5.30	15.21	41.99	38.49	43.76	1.16	432.50	365.48	16.87	7.32	2966	3074	3075
9/16/24 23:00	7.50	313.39	25.26	5.43	15.20	42.89	40.76	43.76	1.16	431.28	361.38	16.89	7.23	2924	3016	3075
9/17/24 0:00	7.40	314.23	26.67	7.85	12.99	53.69	46.19	43.76	1.15	431.01	352.73	16.93	7.13	2881	2963	3075
9/17/24 1:00	8.31	313.77	23.96	7.48	13.34	46.94	47.84	43.77	1.17	429.34	343.90	16.95	7.07	2810	2924	3075
9/17/24 2:00	8.76	312.49	23.54	7.39	13.21	45.61	48.75	43.77	1.19	427.94	335.23	16.97	6.98	2749	2872	3075
9/17/24 3:00	8.65	314.58	22.59	7.33	13.24	43.58	45.38	43.77	1.18	427.99	355.32	16.94	6.99	2882	2814	3075
9/17/24 4:00	8.54	314.99	21.45	7.46	13.27	41.87	43.69	43.77	1.13	428.66	334.43	16.97	6.87	2712	2814	3075
9/17/24 5:00	8.12	314.26	22.99	7.49	13.30	45.05	43.50	43.77	1.13	428.73	338.30	16.97	6.78	2728	2781	3074
9/17/24 6:00	8.17	316.38	27.32	7.58	13.14	53.82	46.92	43.77	1.13	427.60	323.33	17.03	6.61	2627	2774	3074
9/17/24 7:00	8.21	314.70	25.79	7.38	13.16	49.89	49.59	43.77	1.12	425.40	303.03	17.08	6.57	2501	2689	3074
9/17/24 8:00	8.28	311.97	26.27	7.46	13.06	51.12	51.61	43.78	1.14	424.22	293.61	17.06	6.62	2413	2619	3074
9/17/24 9:00	8.36	314.04	27.02	7.56	13.24	53.25	51.42	43.78	1.15	423.13	286.40	17.10	6.72	2419	2514	3073
9/17/24 10:00	8.72	319.84	26.32	7.58	12.63	51.35	51.91	43.79	1.14	421.95	303.48	17.11	6.74	2571	2445	3073
9/17/24 11:00	8.47	319.31	28.03	7.46	12.47	53.89	52.83	43.79	1.12	424.88	281.90	17.09	6.85	2394	2468	3073
9/17/24 12:00	8.10	289.80	30.20	7.45	12.48	58.09	54.44	43.80	1.11	429.70	292.92	17.04	7.03	2475	2461	3072
9/17/24 13:00	8.24	291.28	28.94	7.41	12.58	55.52	55.83	43.81	1.11	430.42	288.54	17.09	6.98	2474	2480	3072
9/17/24 14:00	8.16	292.54	26.96	7.40	12.60	51.66	55.09	43.81	1.11	429.59	269.70	17.13	6.81	2319	2448	3072
9/17/24 15:00	8.24	291.95	27.62	7.36	12.44	52.57	53.25	43.82	1.13	427.34	285.51	17.14	6.81	2464	2423	3071
9/17/24 16:00	8.23	284.81	29.18	7.30	12.34	55.15	53.13	43.82	1.17	423.10	272.38	17.14	6.86	2362	2419	3071
9/17/24 17:00	8.06	282.68	27.84	7.23	12.41	52.37	53.36	43.83	1.18	421.20	280.73	17.12	6.93	2426	2382	3071
9/17/24 18:00	8.21	281.72	26.10	7.37	12.31	49.65	52.39	43.83	1.16	420.27	278.16	17.13	6.83	2397	2417	3070
9/17/24 19:00	8.13	282.52	23.47	7.20	12.59	44.24	48.75	43.83	1.16	420.89	306.81	17.07	6.96	2603	2395	3070
9/17/24 20:00	8.22	282.86	19.25	7.05	12.77	35.86	43.25	43.83	1.16	419.93	282.18	17.11	6.88	2423	2475	3070
9/17/24 21:00	8.29	288.54	15.87	7.15	12.92	29.92	36.67	43.82	1.17	419.45	284.37	17.11	6.89	2438	2474	3069
9/17/24 22:00	8.27	286.19	18.37	7.04	13.40	34.60	33.46	43.81	1.16	420.16	287.94	17.11	6.71	2442	2488	3069
9/17/24 23:00	7.94	278.22	19.13	6.97	13.61	35.96	33.49	43.81	1.14	420.44	292.87	17.14	6.46	2455	2434	3069
9/18/24 0:00	8.04	278.90	21.76	8.21	13.66	46.32	38.96	43.81	1.15	421.30	287.49	17.16	6.49	2432	2445	3068
9/18/24 1:00	8.14	277.72	20.01	7.23	13.81	38.75	40.34	43.81	1.15	422.24	307.94	17.05	6.72	2546	2443	3068
9/18/24 2:00	8.40	277.84	18.16	7.09	13.83	34.64	39.90	43.80	1.15	422.91	297.43	17.06	6.72	2473	2478	3068
9/18/24 3:00	8.22	278.10	17.57	7.56	13.37	34.69	36.02	43.80	1.12	423.00	279.27	17.09	6.46	2301	2484	3067
9/18/24 4:00	8.90	274.44	20.11	7.16	13.84	38.64	35.99	43.80	1.13	423.59	305.32	17.06	6.47	2486	2440	3067
9/18/24 5:00	8.71	274.87	20.06	7.01	13.91	38.07	37.14	43.79	1.14	424.88	323.06	17.03	6.49	2603	2420	3067
9/18/24 6:00	8.53	274.73	22.86	8.19	13.76	48.66	41.79	43.79	1.12	423.91	308.54	17.07	6.47	2520	2463	3067
9/18/24 7:00	8.30	275.21	22.26	7.12	13.78	42.63	43.12	43.79	1.13	425.57	332.35	17.01	6.63	2691	2536	3066
9/18/24 8:00	8.35	278.23	20.11	6.93	13.96	37.92	43.07	43.79	1.13	425.64	328.68	16.98	6.66	2632	2605	3066
9/18/24 9:00	9.09	280.58	19.45	6.94	13.81	36.59	39.05	43.79	1.15	426.07	321.79	16.99	6.87	2632	2614	3066
9/18/24 10:00	9.35	282.61	18.24	6.98	13.82	34.45	36.32	43.78	1.17	426.64	358.29	16.90	7.14	2895	2652	3066
9/18/24 11:00	9.44	289.97	19.23	6.93	13.67	36.08	35.71	43.78	1.16	429.00	333.73	16.92	7.21	2735	2720	3066
9/18/24 12:00	9.47	293.14	21.77	8.20	13.50	46.23	38.92	43.78	1.15	429.98	349.06	16.88	7.31	2837	2754	3065
9/18/24 13:00	9.34	296.99	20.11	7.00	13.56	37.86	40.06	43.78	1.15	430.23	346.01	16.90	7.31	2832	2822	3065
9/18/24 14:00	9.30	295.03	20.51	6.93	13.54	38.35	40.81	43.77	1.17	429.69	354.37	16.86	7.40	2877	2801	3065
9/18/24 15:00	9.26	292.42	20.99	6.94	13.53	39.31	38.51	43.77	1.18	429.49	348.95	16.89	7.37	2860	2848	3065
9/18/24 16:00	9.27	300.15	22.64	6.91	13.54	42.28	39.98	43.77	1.19	428.40	345.48	16.87	7.40	2816	2856	3065
9/18/24 17:00	9.27	301.43	23.72	6.79	13.54	43.83	41.80	43.77	1.17	428.21	336.56	16.89	7.34	2750	2851	3065
9/18/24 18:00	9.24	298.82	24.72	7.88	13.47	50.73	45.61									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/19/24 12:00	8.16	298.35	24.68	8.10	13.04	51.18	43.12	43.73	1.13	429.14	330.25	16.97	7.06	2718	2828	3061
9/19/24 13:00	8.11	297.31	23.00	7.01	13.10	42.98	44.52	43.73	1.14	429.73	275.77	16.93	7.19	2259	2813	3061
9/19/24 14:00	8.12	298.60	22.36	6.96	13.10	41.62	45.26	43.73	1.14	429.95	349.78	16.93	7.23	2878	2609	3061
9/19/24 15:00	7.67	283.03	24.17	6.99	13.27	45.22	43.27	43.73	1.16	428.40	343.06	16.95	7.20	2837	2618	3061
9/19/24 16:00	7.56	275.69	25.71	6.88	13.41	47.76	44.86	43.73	1.15	427.63	339.42	16.96	7.17	2811	2658	3061
9/19/24 17:00	7.81	296.60	25.34	6.77	13.41	46.61	46.53	43.74	1.14	427.47	340.39	16.96	7.12	2809	2842	3060
9/19/24 18:00	7.78	297.81	25.50	7.99	13.30	52.69	49.02	43.74	1.12	428.84	348.49	16.98	7.04	2877	2819	3060
9/19/24 19:00	7.70	297.04	21.28	7.04	13.49	40.87	46.72	43.74	1.11	429.04	345.84	16.98	7.03	2854	2833	3060
9/19/24 20:00	7.90	296.27	14.12	6.49	13.52	25.40	39.66	43.73	1.11	428.66	343.64	17.00	6.94	2835	2847	3060
9/19/24 21:00	8.08	295.78	16.12	7.97	10.88	31.57	32.61	43.72	1.11	428.98	354.52	16.99	6.86	2899	2855	3060
9/19/24 22:00	10.73	295.93	19.42	8.13	11.12	38.69	31.89	43.72	1.12	428.86	351.28	17.04	6.71	2897	2863	3060
9/19/24 23:00	10.43	295.46	18.39	7.79	10.71	35.36	35.21	43.72	1.10	429.29	348.60	17.03	6.67	2848	2877	3060
9/20/24 0:00	10.97	293.45	21.32	7.91	11.36	41.95	38.67	43.72	1.10	430.06	355.92	17.02	6.71	2907	2881	3060
9/20/24 1:00	9.90	292.25	20.93	7.88	11.68	41.26	39.52	43.71	1.11	431.27	373.93	16.99	6.74	3021	2884	3060
9/20/24 2:00	10.16	287.42	19.66	7.82	11.37	38.30	40.50	43.71	1.11	428.99	345.95	17.04	6.59	2825	2925	3060
9/20/24 3:00	10.59	281.81	15.82	7.81	10.16	30.08	36.55	43.70	1.11	429.50	370.29	16.99	6.70	2982	2918	3059
9/20/24 4:00	12.10	285.28	18.78	7.79	12.34	37.19	35.19	43.70	1.13	429.06	379.60	17.00	6.63	3059	2942	3059
9/20/24 5:00	9.41	284.63	22.78	6.93	14.01	42.99	36.75	43.70	1.12	428.73	359.59	16.99	6.65	2894	2955	3059
9/20/24 6:00	8.10	284.26	27.12	8.01	13.81	56.63	45.60	43.71	1.12	426.58	335.13	17.05	6.54	2735	2978	3059
9/20/24 7:00	8.08	284.56	22.60	7.06	13.82	43.01	47.54	43.71	1.13	427.87	378.12	16.94	6.75	3000	2896	3059
9/20/24 8:00	8.12	292.03	22.81	6.77	14.00	42.43	47.36	43.71	1.13	428.29	359.09	16.96	6.79	2884	2876	3059
9/20/24 9:00	8.14	250.93	23.20	6.75	13.95	43.05	42.83	43.71	1.14	428.77	350.72	16.95	6.91	2833	2873	3059
9/20/24 10:00	8.14	240.32	23.10	6.73	14.11	42.88	42.79	43.71	1.14	429.17	353.99	16.93	7.06	2877	2905	3059
9/20/24 11:00	8.16	237.48	22.49	6.82	14.01	42.04	42.66	43.70	1.12	430.33	367.07	16.91	7.17	2987	2864	3059
9/20/24 12:00	8.00	251.35	25.38	8.06	13.76	53.27	46.06	43.71	1.13	432.34	370.97	16.86	7.33	2998	2899	3059
9/20/24 13:00	7.96	252.21	23.70	6.97	13.81	44.73	46.68	43.71	1.12	434.24	368.46	16.84	7.42	2978	2954	3059
9/20/24 14:00	8.02	262.39	24.29	6.85	13.79	45.34	47.78	43.71	1.12	434.91	366.85	16.84	7.42	2957	2988	3059
9/20/24 15:00	7.94	241.35	24.45	6.85	13.74	45.59	45.22	43.71	1.16	432.57	365.84	16.85	7.40	2954	2978	3059
9/20/24 16:00	7.93	261.99	22.54	6.83	13.69	41.91	44.28	43.71	1.18	431.99	363.06	16.84	7.42	2936	2963	3059
9/20/24 17:00	8.03	293.55	24.99	6.73	13.50	45.88	44.46	43.71	1.17	430.99	363.52	16.84	7.42	2929	2949	3059
9/20/24 18:00	8.02	296.21	25.45	7.97	13.32	52.47	46.75	43.72	1.17	431.09	367.38	16.83	7.41	2953	2940	3059
9/20/24 19:00	7.43	296.66	23.41	7.02	13.45	44.12	47.49	43.72	1.16	430.56	361.42	16.85	7.33	2909	2940	3058
9/20/24 20:00	7.32	296.86	19.14	6.71	13.66	35.18	43.92	43.71	1.13	432.25	365.14	16.81	7.46	2920	2930	3058
9/20/24 21:00	7.33	295.98	21.03	6.74	13.84	38.90	39.40	43.71	1.12	434.05	362.35	16.80	7.48	2898	2927	3058
9/20/24 22:00	7.41	295.87	24.26	6.68	13.83	44.61	39.56	43.71	1.14	433.19	362.71	16.81	7.47	2901	2909	3058
9/20/24 23:00	7.34	294.25	22.73	6.73	13.86	42.03	41.85	43.71	1.16	431.19	357.92	16.82	7.43	2869	2906	3058
9/21/24 0:00	7.29	292.49	25.84	7.81	13.82	53.12	46.59	43.71	1.18	431.00	363.04	16.79	7.48	2893	2889	3058
9/21/24 1:00	7.29	292.86	24.41	7.23	13.89	47.36	47.50	43.72	1.19	430.66	359.35	16.81	7.45	2869	2887	3058
9/21/24 2:00	7.30	292.26	24.59	6.86	13.84	45.97	48.82	43.72	1.17	430.60	362.14	16.77	7.48	2863	2877	3058
9/21/24 3:00	7.30	291.86	25.40	6.87	13.84	47.52	46.95	43.72	1.16	430.77	360.59	16.80	7.38	2856	2875	3058
9/21/24 4:00	7.28	292.34	24.44	6.86	13.89	45.72	46.40	43.72	1.14	431.64	377.78	16.79	7.36	2978	2863	3058
9/21/24 5:00	7.27	294.29	24.07	6.89	13.92	45.18	46.14	43.72	1.13	433.22	383.06	16.80	7.28	3014	2899	3058
9/21/24 6:00	7.29	293.51	26.34	7.82	13.97	54.25	48.38	43.73	1.12	431.82	358.75	16.87	7.11	2857	2949	3058
9/21/24 7:00	7.30	292.43	24.09	7.46	13.98	47.77	49.06	43.73	1.12	431.80	379.78	16.82	7.17	2977	2949	3058
9/21/24 8:00	7.23	292.03	27.06	7.12	14.12	52.10	51.37	43.73	1.14	430.91	368.07	16.81	7.32	2908	2949	3057
9/21/24 9:00	7.36	294.73	27.34	7.08	13.95	52.26	50.71	43.74	1.16	431.68	365.67	16.78	7.46	2892	2914	3057
9/21/24 10:00	7.41	294.20	27.84	6.96	13.77	52.46	52.27	43.74	1.12	433.54	366.33	16.78	7.51	2906	2926	3057
9/21/24 11:00	7.34	294.90	25.44	6.84	13.89	47.53	50.75	43.74	1.13	434.64	368.78	16.77	7.54	2930	2902	3057
9/21/24 12:00	7.34	295.94	27.79	7.79	13.84	56.88	52.29	43.75	1.11	436.95	358.37	16.79	7.52	2857	2909	3057
9/21/24 13:00	7.13	296.27	26.02	7.10	13.89	49.84	51.42	43.75	1.12	437.52	364.49	16.80	7.47	2908	2898	3057
9/21/24 14:00	7.16	297.61	25.61	6.76	13.83	47.43	51.38	43.75	1.12	436.44	365.50	16.82	7.37	2919	2899	3057
9/21/24 15:00	7.16	297.65	25.48	6.78	13.79	47.26	48.18	43.76	1.13	435.59	367.88	16.82	7.35	2935	2895	3057
9/21/24 16:00	7.14	297.10	24.90	6.78	13.76	46.16	46.95	43.76	1.12	437.00	361.31	16.82	7.36	2882	2921	3057
9/21/24 17:00	7.28	296.36	24.44	6.81	13.72	45.37	46.27	43.76	1.14	434.92	365.39	16.81	7.39	2907	2912	3057
9/21/24 18:00	7.30	296.09	23.81	7.89	13.17	48.56	46.70	43.76	1.15	433.92	364.59	16.79	7.46	2898	2908	3057
9/21/24 19:00	7.73	294.51	21.20	7.80	12.11	42.02	45.32	43.76	1.18	433.26	361.13	16.81	7.40	2879	2896	3057
9/21/24 20:00	8.66	294.25	13.74	6.95	12.78	25.39	38.65	43.75	1.15	432.78	373.34	16.80	7.36	2956	2894	3057
9/21/24 21:00	8.06	294.89	14.37	7.11	12.84	26.97	31.46	43.74	1.14	432.87	359.84	16.85	7.19	2862	2911	3056
9/21/24 22:00	8.11	293.16	14.79	7.19	12.91	27.99	26.78	43.73	1.14	432.16	363.52	16.83	7.20	2876	2899	3056
9/21/24 23:00	8.17	293.75	14.18	7.95	11.64	27.88	27.62	43.73	1.14	432.40	376.05	16.82	7.20	2962	2898	3056
9/22/24 0:00	10.06	290.15	18.76	7.35	12.89	36.00	30.63	43.72	1.16	429.94	336.00	16.94	6.99	2717	2900	3056
9/22/24 1:00	9.05	290.32	17.51	7.39	12.96	33.75	32.55	43.72	1.16	428.38	348.15	16.90	7.05	2791	2852	3056
9/22/24 2:00	9.13	289.97	16.62	7.30	13.12	31.90	33.88	43.71	1.13	428.48	347.40	16.90	7.01	2778	2824	3056
9/22/24 3:00	9.20	289.41	15.97	7.35	13.15	30.80	32.15	43.70	1.13	426.95	315.07	17.00	6.85	2585	2762	3056
9/22/24 4:00	9.20	290.36	14.47	7.32	13.22	27.87	30.19	43.70	1.12	428.20	343.60	16.93	6.94	2766	2718	3056
9/22/24 5:00	9.28	292.63	15.10	7.31	13.23	29.06	29.24	43.69	1.13	426.40	307.98	17.02	6.78	2531	2710	3055
9/22/24 6:00	9.26	288.27	17.85	7.42	13.18	34.63	30									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/23/24 0:00	9.27	313.83	23.77	7.87	13.43	48.48	43.72	43.63	1.16	428.27	326.58	16.86	7.34	2637	2621	3051
9/23/24 1:00	9.37	311.81	18.48	7.27	13.49	35.76	42.79	43.63	1.12	427.75	307.08	16.89	7.30	2500	2635	3051
9/23/24 2:00	9.38	309.87	19.80	7.27	13.20	37.98	40.74	43.62	1.12	421.87	306.00	16.84	7.43	2471	2559	3051
9/23/24 3:00	9.30	309.85	21.07	7.46	12.91	40.84	38.19	43.62	1.10	429.58	292.01	16.86	7.38	2364	2536	3051
9/23/24 4:00	9.22	307.85	20.31	7.31	13.03	38.94	39.25	43.62	1.12	425.41	284.72	16.95	7.07	2331	2445	3050
9/23/24 5:00	9.28	303.56	18.01	7.35	13.02	34.65	38.14	43.62	1.11	419.22	310.21	16.87	7.22	2491	2389	3050
9/23/24 6:00	9.41	311.37	20.46	8.30	12.98	43.30	38.96	43.62	1.13	404.98	259.90	16.84	7.54	2116	2396	3050
9/23/24 7:00	9.57	310.08	18.08	7.80	13.06	36.33	38.09	43.61	1.12	420.28	245.39	16.87	7.32	1986	2313	3049
9/23/24 8:00	10.03	307.75	17.69	7.41	13.07	34.24	37.95	43.61	1.13	424.95	254.42	16.92	7.09	2060	2198	3049
9/23/24 9:00	10.10	311.07	18.79	7.45	12.96	36.44	35.67	43.60	1.15	422.97	240.07	16.97	7.04	1975	2054	3048
9/23/24 10:00	9.90	311.55	20.00	7.53	13.10	39.20	36.62	43.60	1.13	423.36	254.95	17.00	7.02	2113	2007	3048
9/23/24 11:00	9.76	311.20	21.09	7.41	12.87	40.68	38.77	43.60	1.12	427.20	266.92	16.94	7.13	2185	2049	3047
9/23/24 12:00	9.36	314.00	21.62	8.41	12.85	46.10	41.99	43.60	1.14	425.39	226.47	17.00	7.02	1882	2091	3047
9/23/24 13:00	9.53	315.58	21.27	7.85	12.90	42.90	43.23	43.60	1.18	421.80	236.58	16.99	6.97	1953	2060	3046
9/23/24 14:00	9.48	315.31	21.08	7.38	12.94	40.59	43.20	43.60	1.21	421.59	243.18	17.02	6.95	2027	2006	3046
9/23/24 15:00	9.47	314.14	20.89	7.31	12.93	39.96	41.15	43.60	1.22	420.22	249.21	17.02	6.88	2067	1954	3045
9/23/24 16:00	9.29	315.13	20.19	7.30	12.97	38.64	39.73	43.60	1.21	420.01	266.30	16.98	6.94	2178	2016	3045
9/23/24 17:00	9.17	318.05	20.05	7.32	13.01	38.48	39.02	43.59	1.22	420.44	261.23	17.02	6.91	2167	2091	3044
9/23/24 18:00	9.18	317.84	22.24	8.30	13.01	47.15	41.42	43.59	1.22	418.66	250.83	17.04	6.87	2092	2138	3044
9/23/24 19:00	9.18	326.43	20.00	7.57	13.07	39.72	41.78	43.59	1.22	418.12	252.13	17.04	6.84	2097	2146	3043
9/23/24 20:00	9.18	328.54	21.61	6.78	13.12	39.61	42.16	43.59	1.22	417.66	246.45	17.04	6.82	2047	2119	3043
9/23/24 21:00	9.30	327.35	22.13	6.75	13.06	40.38	39.90	43.59	1.22	416.93	244.47	17.05	6.74	2023	2079	3042
9/23/24 22:00	9.42	321.81	23.99	6.91	12.83	44.22	41.40	43.59	1.22	417.15	256.40	16.99	6.81	2091	2056	3042
9/23/24 23:00	9.22	316.25	23.83	7.15	12.52	44.60	43.07	43.59	1.22	417.60	250.96	17.03	6.76	2067	2054	3041
9/24/24 0:00	9.38	317.01	25.11	7.32	12.39	47.61	45.48	43.59	1.24	417.81	255.43	17.06	6.75	2127	2060	3041
9/24/24 1:00	9.62	316.28	21.58	7.32	12.53	41.00	44.40	43.59	1.22	416.76	248.37	17.04	6.75	2052	2095	3041
9/24/24 2:00	9.82	316.13	22.00	7.35	12.55	41.93	43.52	43.59	1.20	417.45	253.47	17.01	6.80	2079	2082	3040
9/24/24 3:00	9.95	314.15	20.06	7.78	11.98	39.37	40.77	43.59	1.15	420.03	254.01	16.99	6.88	2082	2086	3040
9/24/24 4:00	10.85	312.39	19.03	7.93	11.73	37.69	39.66	43.59	1.16	420.86	258.84	16.98	6.95	2122	2071	3039
9/24/24 5:00	10.94	311.65	18.76	8.01	11.65	37.36	38.14	43.58	1.16	421.16	267.62	16.96	6.99	2185	2094	3039
9/24/24 6:00	10.76	312.10	22.24	8.09	11.43	44.41	39.82	43.58	1.13	424.57	258.00	16.96	7.02	2115	2130	3038
9/24/24 7:00	10.61	311.97	21.20	8.11	11.59	42.58	41.45	43.58	1.13	424.73	258.86	16.97	7.06	2131	2140	3038
9/24/24 8:00	10.76	311.95	20.16	8.12	11.60	40.53	42.51	43.58	1.13	424.42	263.95	17.00	7.11	2212	2143	3037
9/24/24 9:00	10.75	314.98	22.32	8.11	11.85	45.04	42.72	43.58	1.13	422.54	256.10	17.05	6.99	2166	2152	3037
9/24/24 10:00	10.77	311.23	21.17	8.10	11.64	42.52	42.70	43.58	1.13	421.14	265.00	17.05	6.95	2230	2170	3037
9/24/24 11:00	10.68	311.61	21.40	8.17	11.42	43.09	43.55	43.58	1.13	422.93	267.48	17.04	6.97	2249	2203	3036
9/24/24 12:00	10.50	315.36	23.87	8.20	11.53	48.28	44.63	43.58	1.12	423.46	257.84	17.05	6.93	2173	2215	3036
9/24/24 13:00	10.73	319.12	22.16	8.15	11.61	44.69	45.35	43.58	1.12	423.98	256.38	17.05	6.97	2162	2217	3035
9/24/24 14:00	10.71	321.26	22.25	8.14	11.62	44.83	45.93	43.58	1.14	421.38	261.73	17.08	6.89	2223	2194	3035
9/24/24 15:00	10.69	329.19	22.03	8.17	11.55	44.48	44.67	43.58	1.14	418.51	248.34	17.10	6.83	2116	2186	3034
9/24/24 16:00	10.52	331.65	21.93	8.20	11.60	44.42	44.58	43.58	1.13	418.63	253.45	17.09	6.83	2151	2167	3034
9/24/24 17:00	10.57	331.30	20.97	8.13	11.65	41.05	43.32	43.58	1.13	419.47	251.33	17.09	6.82	2127	2163	3034
9/24/24 18:00	10.58	325.80	19.33	8.09	11.68	38.78	41.42	43.58	1.12	420.29	252.35	17.09	6.78	2132	2131	3033
9/24/24 19:00	10.58	325.19	15.83	7.69	11.70	30.84	36.89	43.57	1.13	419.38	259.27	17.09	6.83	2196	2136	3033
9/24/24 20:00	10.57	324.99	11.67	7.31	11.79	21.86	30.49	43.56	1.12	421.33	253.61	17.05	6.92	2137	2152	3032
9/24/24 21:00	10.75	323.00	11.26	7.45	11.73	21.34	24.68	43.55	1.13	419.69	254.47	17.06	6.97	2156	2155	3032
9/24/24 22:00	10.64	320.82	11.58	7.51	11.80	22.08	21.76	43.54	1.13	418.09	253.12	17.06	6.90	2131	2163	3031
9/24/24 23:00	10.87	317.56	12.75	7.48	11.85	24.27	22.57	43.53	1.13	418.79	251.61	17.07	6.81	2113	2141	3031
9/25/24 0:00	10.96	318.78	15.58	7.54	11.84	29.83	25.39	43.53	1.13	417.37	244.45	17.06	6.92	2065	2133	3031
9/25/24 1:00	11.03	320.12	15.36	7.69	11.80	29.80	27.96	43.52	1.13	418.49	247.03	17.04	6.91	2072	2103	3030
9/25/24 2:00	10.78	318.50	16.90	7.70	11.89	32.82	30.81	43.52	1.13	414.49	248.53	17.03	7.01	2090	2084	3030
9/25/24 3:00	10.67	316.78	16.79	7.77	11.90	32.84	31.82	43.51	1.13	417.44	235.08	17.10	6.78	1992	2076	3029
9/25/24 4:00	10.54	317.45	17.46	7.81	11.93	34.27	33.31	43.51	1.14	418.36	264.18	17.04	6.88	2209	2051	3029
9/25/24 5:00	10.06	318.69	20.28	6.74	13.28	37.13	34.75	43.50	1.14	418.46	248.93	17.07	6.84	2097	2097	3028
9/25/24 6:00	9.29	319.76	21.66	8.12	13.15	45.29	38.90	43.50	1.14	420.64	257.51	17.04	6.94	2156	2099	3028
9/25/24 7:00	9.33	320.42	20.63	6.88	13.20	38.19	40.20	43.50	1.14	418.32	256.40	17.07	6.89	2172	2154	3027
9/25/24 8:00	9.33	324.44	21.29	6.93	13.12	39.51	41.00	43.50	1.14	416.20	279.90	17.03	7.01	2353	2142	3027
9/25/24 9:00	9.18	324.71	20.79	7.04	13.09	38.95	38.88	43.50	1.13	414.84	251.69	17.07	6.94	2140	2227	3027
9/25/24 10:00	9.45	325.93	20.53	6.93	12.89	37.92	38.79	43.49	1.14	415.72	273.23	17.03	7.04	2301	2222	3026
9/25/24 11:00	9.17	328.88	22.00	6.92	12.83	40.56	39.14	43.49	1.14	416.03	267.13	17.05	7.03	2271	2265	3026
9/25/24 12:00	9.15	329.68	21.95	8.13	12.74	45.72	41.40	43.49	1.14	414.53	275.44	17.07	6.98	2350	2237	3026
9/25/24 13:00	9.18	327.13	20.38	6.99	12.73	37.74	41.34	43.49	1.14	413.45	324.89	17.08	6.96	2772	2307	3025
9/25/24 14:00	9.13	326.13	20.24	7.04	12.75	37.67	40.38	43.49	1.14	413.71	280.84	17.07	6.97	2395	2464	3025
9/25/24 15:00	9.16	324.37	20.48	7.02	12.73	38.05	37.82	43.49	1.13	416.10	306.70	17.02	7.11	2585	2506	3025
9/25/24 16:00	9.17	320.33	20.23	7.02	12.78	37.62	37.78	43.48	1.13	417.36	297.08	17.03	7.10	2517	2584	3025
9/25/24 17:00	9.28	316.29	21.14	6.97	12.77	39.13	38.27	43.48	1.14	417.27	318.27	17.02	7.14	2692	2499	3024
9/25/24 18:00	9.31	315.91	19.97	8.23	12.7											

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/26/24 12:00	9.20	313.69	23.64	8.41	12.28	49.68	45.17	43.44	1.14	424.41	354.66	17.17	6.40	2998	2835	3022
9/26/24 13:00	9.38	311.80	22.18	7.62	12.37	43.36	45.26	43.44	1.15	424.76	348.04	17.17	6.54	2972	2895	3022
9/26/24 14:00	9.37	311.74	21.41	7.18	12.39	40.09	44.38	43.44	1.15	424.70	349.25	17.15	6.61	2979	2937	3022
9/26/24 15:00	9.47	310.61	19.73	7.17	12.38	36.88	40.11	43.44	1.14	423.45	354.71	17.14	6.58	3010	2983	3022
9/26/24 16:00	9.80	312.80	20.86	7.13	12.40	38.88	38.62	43.44	1.14	424.12	356.60	17.16	6.61	3049	2987	3022
9/26/24 17:00	9.83	312.54	21.91	7.20	12.33	41.02	38.93	43.44	1.14	424.13	339.56	17.12	6.73	2892	3013	3022
9/26/24 18:00	9.54	311.69	24.63	8.27	12.23	51.06	43.65	43.44	1.13	425.41	351.45	17.08	6.84	2967	2984	3022
9/26/24 19:00	9.26	311.71	21.64	7.82	12.31	42.99	45.02	43.44	1.13	426.52	372.68	17.08	6.88	3156	2969	3022
9/26/24 20:00	9.20	311.90	21.47	7.16	12.33	40.09	44.71	43.44	1.13	425.86	360.78	17.12	6.78	3079	3005	3022
9/26/24 21:00	9.20	312.94	21.67	7.31	12.33	41.02	41.36	43.44	1.15	424.92	371.52	17.13	6.59	3133	3067	3022
9/26/24 22:00	9.21	315.01	24.73	7.42	12.40	47.32	42.81	43.44	1.14	423.35	356.30	17.17	6.58	3058	3123	3022
9/26/24 23:00	9.10	313.98	22.87	7.38	12.39	43.57	43.97	43.44	1.18	419.99	346.61	17.23	6.30	2974	3090	3023
9/27/24 0:00	9.11	314.15	24.61	8.36	12.42	51.71	47.54	43.44	1.19	420.52	385.67	17.17	6.37	3247	3055	3022
9/27/24 1:00	9.11	314.69	23.08	7.90	12.56	46.49	47.26	43.44	1.13	421.35	356.05	17.21	6.31	3031	3093	3023
9/27/24 2:00	9.24	313.24	22.62	7.46	12.56	43.59	47.26	43.44	1.17	419.60	356.83	17.20	6.31	3024	3084	3023
9/27/24 3:00	9.21	319.43	24.00	7.04	13.11	44.92	45.00	43.45	1.17	418.45	347.99	17.19	6.30	2938	3100	3023
9/27/24 4:00	8.97	320.14	32.22	5.90	14.41	56.03	48.18	43.45	1.17	417.09	345.52	17.19	6.31	2914	2997	3023
9/27/24 5:00	7.59	317.40	36.80	5.02	15.29	60.50	53.82	43.46	1.16	416.90	341.52	17.19	6.30	2879	2959	3023
9/27/24 6:00	7.15	309.79	37.00	5.79	15.40	64.96	60.50	43.47	1.16	417.24	345.65	17.17	6.33	2902	2910	3022
9/27/24 7:00	7.00	309.35	34.33	5.28	15.68	58.11	61.19	43.48	1.17	415.56	338.66	17.19	6.33	2864	2898	3022
9/27/24 8:00	7.03	309.52	33.50	4.76	15.78	54.44	59.17	43.48	1.16	418.48	361.20	17.12	6.45	3006	2882	3022
9/27/24 9:00	7.25	312.30	33.25	4.60	15.99	53.54	55.36	43.49	1.20	417.47	323.02	17.20	6.39	2756	2924	3022
9/27/24 10:00	7.03	311.88	32.97	4.63	16.12	53.32	53.77	43.49	1.20	417.30	338.09	17.16	6.52	2876	2875	3022
9/27/24 11:00	7.12	312.60	32.70	4.70	16.33	53.34	53.40	43.50	1.18	418.75	340.88	17.14	6.55	2876	2879	3022
9/27/24 12:00	7.35	313.26	36.36	5.70	16.50	64.74	57.13	43.51	1.20	419.25	337.60	17.13	6.61	2857	2836	3022
9/27/24 13:00	7.25	315.33	34.63	5.05	16.37	58.20	58.76	43.51	1.21	419.40	334.43	17.14	6.63	2847	2870	3022
9/27/24 14:00	7.04	316.12	35.51	4.65	16.46	57.83	60.26	43.52	1.21	418.73	323.36	17.15	6.59	2754	2860	3022
9/27/24 15:00	6.87	313.81	36.15	4.67	16.49	59.00	58.34	43.53	1.21	418.83	327.41	17.12	6.64	2770	2819	3022
9/27/24 16:00	6.83	290.66	36.70	4.65	16.52	59.83	58.89	43.53	1.20	419.59	347.08	17.07	6.76	2902	2790	3022
9/27/24 17:00	6.97	271.83	36.45	4.66	16.55	59.53	59.45	43.54	1.20	420.04	327.37	17.11	6.72	2771	2809	3022
9/27/24 18:00	6.92	264.01	38.18	5.66	16.44	67.63	62.33	43.55	1.22	419.16	321.89	17.13	6.60	2719	2814	3021
9/27/24 19:00	6.94	263.20	31.60	5.21	16.51	54.63	60.60	43.56	1.22	419.25	326.73	17.13	6.57	2758	2797	3021
9/27/24 20:00	7.03	265.52	27.35	4.44	16.50	43.87	55.37	43.56	1.18	418.86	313.30	17.14	6.56	2653	2749	3021
9/27/24 21:00	6.84	264.84	27.50	4.47	16.55	44.26	47.58	43.56	1.18	417.88	304.41	17.16	6.53	2588	2710	3021
9/27/24 22:00	6.87	264.04	26.69	4.50	16.36	42.92	43.68	43.56	1.19	418.41	308.63	17.14	6.57	2616	2666	3021
9/27/24 23:00	6.96	268.71	26.66	4.49	16.33	42.80	43.33	43.56	1.20	418.47	307.68	17.14	6.58	2610	2619	3021
9/28/24 0:00	6.88	269.17	28.08	5.61	16.27	49.48	45.07	43.56	1.21	417.94	306.38	17.13	6.63	2600	2605	3020
9/28/24 1:00	6.91	266.81	27.37	4.84	16.40	45.27	45.85	43.56	1.20	417.87	307.64	17.12	6.65	2604	2609	3020
9/28/24 2:00	6.93	262.55	27.61	4.54	16.42	44.57	46.44	43.56	1.20	417.06	308.26	17.11	6.67	2601	2605	3020
9/28/24 3:00	6.84	260.98	28.36	4.54	16.28	45.67	45.17	43.56	1.22	417.19	335.46	17.07	6.76	2802	2602	3020
9/28/24 4:00	6.92	262.80	27.32	4.59	16.20	44.12	44.79	43.56	1.21	414.97	306.11	17.12	6.64	2591	2669	3020
9/28/24 5:00	7.27	263.32	26.31	4.51	16.21	42.24	44.01	43.56	1.23	413.94	302.36	17.13	6.65	2568	2665	3020
9/28/24 6:00	7.35	262.96	28.92	5.46	16.18	50.18	45.52	43.57	1.22	413.30	298.45	17.15	6.57	2538	2654	3019
9/28/24 7:00	7.25	264.54	26.97	4.83	16.33	44.53	45.65	43.57	1.21	413.96	289.10	17.15	6.58	2451	2566	3019
9/28/24 8:00	7.36	264.10	28.41	4.37	16.37	45.21	46.64	43.57	1.21	415.34	307.45	17.08	6.73	2575	2519	3019
9/28/24 9:00	7.32	262.92	26.80	4.30	16.46	42.50	44.08	43.57	1.21	415.13	307.23	17.10	6.72	2597	2521	3019
9/28/24 10:00	7.17	264.35	26.30	4.24	16.97	41.86	43.19	43.57	1.24	413.65	313.56	17.13	6.68	2664	2541	3018
9/28/24 11:00	7.03	264.78	27.50	4.26	16.61	43.59	42.65	43.57	1.22	413.19	293.87	17.14	6.60	2496	2612	3018
9/28/24 12:00	6.69	264.99	27.01	5.24	16.54	46.25	43.90	43.57	1.22	415.24	333.58	17.05	6.80	2773	2586	3018
9/28/24 13:00	6.64	264.85	25.35	4.47	16.76	40.97	43.61	43.57	1.22	415.40	316.76	17.05	6.82	2647	2645	3018
9/28/24 14:00	6.77	264.16	24.39	4.18	16.82	38.56	41.93	43.56	1.22	415.60	326.92	17.06	6.82	2731	2639	3018
9/28/24 15:00	6.65	264.67	25.47	4.22	16.77	40.35	39.96	43.56	1.22	415.74	314.43	17.07	6.80	2638	2717	3018
9/28/24 16:00	6.68	268.77	25.21	4.24	16.72	39.97	39.63	43.56	1.23	416.29	348.62	17.01	6.89	2877	2672	3017
9/28/24 17:00	6.72	271.35	24.86	4.34	16.66	39.67	40.00	43.56	1.21	417.05	333.07	17.03	6.84	2764	2749	3017
9/28/24 18:00	6.58	269.70	28.12	5.35	16.48	48.74	42.79	43.56	1.20	417.50	329.33	17.03	6.87	2737	2759	3017
9/28/24 19:00	6.70	268.18	28.26	4.87	16.53	46.98	45.13	43.56	1.21	417.74	345.84	17.00	6.93	2852	2792	3017
9/28/24 20:00	6.73	269.13	27.47	4.23	16.54	43.37	46.36	43.56	1.17	421.77	361.08	16.93	7.07	2927	2784	3017
9/28/24 21:00	6.61	267.48	27.51	4.25	16.50	43.49	44.61	43.56	1.16	423.63	361.77	16.94	7.09	2952	2839	3017
9/28/24 22:00	6.68	266.92	27.95	4.23	16.51	44.11	43.66	43.56	1.14	425.13	355.01	16.96	7.08	2915	2910	3017
9/28/24 23:00	6.53	262.33	30.90	4.17	16.61	48.63	45.41	43.56	1.13	426.95	359.51	16.95	7.04	2931	2931	3017
9/29/24 0:00	6.40	261.99	34.63	5.13	16.58	58.88	50.54	43.57	1.15	424.54	347.11	16.97	7.02	2856	2933	3017
9/29/24 1:00	6.54	264.63	32.56	4.74	16.73	53.71	53.74	43.58	1.15	426.37	381.40	16.89	7.19	3077	2901	3017
9/29/24 2:00	6.57	265.07	32.50	4.30	16.73	51.77	54.79	43.58	1.14	425.85	353.58	16.94	7.10	2896	2955	3017
9/29/24 3:00	6.77	265.33	29.87	4.31	16.70	47.60	51.03	43.58	1.19	425.30	375.99	16.91	7.17	3057	2943	3017
9/29/24 4:00	6.56	267.23	29.89	4.28	16.70	47.50	48.96	43.58	1.21	424.51	365.13	16.97	6.99	2999	3010	3017
9/29/24 5:00	6.66	266.33	29.95	4.25	16.68	47.51	47.54	43.59	1.17	423.02	358.15	16.99	6.93	2947	2984	3017
9/29/24 6:00	6.65	266.22	31.98	5.20	16.55	54.60	49.87									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
9/30/24 0:00	6.94	266.80	29.34	5.28	16.41	50.38	44.96	43.62	1.16	425.52	364.23	16.96	7.15	3012	2984	3016
9/30/24 1:00	6.83	265.96	28.14	4.49	16.52	45.36	46.18	43.62	1.13	426.76	361.53	16.95	7.19	2987	3016	3016
9/30/24 2:00	6.92	265.87	25.67	4.24	16.56	40.58	45.44	43.62	1.12	427.03	339.00	16.99	7.09	2828	3041	3016
9/30/24 3:00	6.83	264.99	26.28	4.33	16.52	41.81	42.58	43.62	1.14	427.07	382.89	16.91	7.23	3127	2942	3016
9/30/24 4:00	7.09	263.16	26.56	4.25	16.51	42.01	41.47	43.62	1.16	425.04	346.78	17.00	7.05	2893	2981	3016
9/30/24 5:00	7.08	264.03	26.95	4.26	16.57	42.66	42.16	43.62	1.15	424.49	359.78	16.99	6.99	2977	2949	3016
9/30/24 6:00	7.11	265.98	27.71	5.36	16.49	47.90	44.19	43.62	1.20	422.86	366.17	17.00	6.96	3031	2999	3016
9/30/24 7:00	6.88	267.26	25.41	4.40	16.71	40.77	43.78	43.62	1.18	421.28	364.32	17.02	6.87	3020	2967	3016
9/30/24 8:00	6.81	266.07	26.25	4.40	16.95	42.29	43.65	43.62	1.18	421.53	371.99	16.99	6.94	3059	3009	3016
9/30/24 9:00	6.82	267.11	27.10	4.40	16.62	43.43	42.17	43.62	1.20	421.91	361.42	17.01	6.90	2987	3037	3016
9/30/24 10:00	6.79	268.61	28.37	4.27	16.73	45.09	43.61	43.62	1.19	422.59	378.11	16.98	6.97	3104	3022	3016
9/30/24 11:00	6.67	270.85	27.84	4.25	16.83	44.23	44.25	43.62	1.17	423.99	370.07	17.01	6.95	3066	3050	3016
9/30/24 12:00	6.70	270.10	27.21	5.37	16.88	47.48	45.60	43.62	1.15	424.52	360.10	17.02	6.92	2994	3053	3016
9/30/24 13:00	6.69	268.61	26.88	4.26	17.03	42.89	44.87	43.62	1.16	424.23	368.37	17.01	6.94	3061	3055	3016
9/30/24 14:00	6.54	268.82	29.01	4.16	17.24	46.07	45.48	43.62	1.19	423.17	363.36	17.02	6.95	3026	3040	3016
9/30/24 15:00	6.58	269.72	30.64	4.25	17.30	49.05	46.00	43.62	1.21	422.89	367.59	17.02	6.95	3066	3027	3016
9/30/24 16:00	6.59	270.33	31.00	4.23	17.28	49.53	48.22	43.62	1.18	423.00	367.45	17.01	6.95	3045	3051	3016
9/30/24 17:00	6.78	269.54	27.79	4.18	17.27	44.24	47.61	43.62	1.19	423.46	376.73	16.98	7.04	3117	3046	3016
9/30/24 18:00	6.67	267.17	28.27	5.33	17.06	49.26	47.68	43.63	1.16	422.74	355.49	17.03	6.96	2975	3076	3016
9/30/24 19:00	6.55	264.74	26.83	4.21	17.03	42.75	45.42	43.63	1.19	423.24	383.16	16.95	7.11	3143	3046	3016
9/30/24 20:00	6.59	263.58	24.56	3.79	16.96	37.78	43.26	43.62	1.16	424.74	385.30	16.95	7.12	3161	3079	3016
9/30/24 21:00	6.78	263.22	21.99	3.87	17.00	34.05	38.19	43.62	1.14	425.30	372.39	16.98	7.06	3075	3093	3016
9/30/24 22:00	6.73	262.36	25.35	3.87	16.98	39.24	37.02	43.62	1.12	427.19	382.93	16.93	7.20	3139	3126	3016
9/30/24 23:00	6.54	263.40	27.24	3.94	16.82	42.30	38.53	43.62	1.13	426.97	372.33	16.95	7.17	3069	3125	3016
10/1/24 0:00	6.95	263.96	30.16	5.23	16.75	52.20	44.58	43.62	1.16	425.24	377.15	16.95	7.15	3107	3094	3016
10/1/24 1:00	7.06	263.83	30.19	4.07	16.82	47.32	47.27	43.62	1.14	424.53	353.48	16.99	7.04	2937	3105	3017
10/1/24 2:00	7.11	264.41	32.36	4.06	16.80	50.68	50.07	43.63	1.11	429.42	393.93	16.91	7.15	3198	3038	3017
10/1/24 3:00	6.77	264.48	32.44	4.05	16.82	50.77	49.59	43.63	1.11	430.99	374.42	16.97	7.03	3080	3081	3017
10/1/24 4:00	6.71	266.33	32.75	4.06	16.85	51.32	50.92	43.63	1.13	429.29	371.06	16.99	6.99	3063	3072	3017
10/1/24 5:00	6.64	268.18	33.66	4.09	16.86	52.87	51.65	43.64	1.11	425.63	350.60	17.05	6.83	2931	3114	3017
10/1/24 6:00	6.76	266.13	34.55	5.31	16.77	60.09	54.76	43.64	1.12	423.58	373.65	17.03	6.83	3088	3025	3017
10/1/24 7:00	6.80	266.07	33.40	4.12	16.86	52.58	55.18	43.65	1.14	421.62	354.38	17.06	6.74	2942	3028	3017
10/1/24 8:00	6.94	268.67	33.31	4.38	16.94	53.55	55.41	43.65	1.13	423.48	379.74	17.01	6.89	3132	2987	3017
10/1/24 9:00	7.31	270.95	30.55	4.37	16.26	48.54	51.56	43.66	1.13	423.26	369.66	17.02	6.93	3073	3054	3017
10/1/24 10:00	7.34	269.09	29.86	4.23	16.15	46.88	49.66	43.66	1.15	427.69	389.99	16.95	7.10	3203	3049	3017
10/1/24 11:00	7.34	271.22	32.18	4.11	16.20	50.11	48.51	43.66	1.14	429.21	380.06	16.99	7.05	3153	3136	3017
10/1/24 12:00	7.36	274.43	34.47	5.33	16.13	59.29	52.09	43.67	1.13	428.62	379.97	16.98	7.07	3154	3143	3017
10/1/24 13:00	7.24	275.85	29.68	4.16	16.16	46.37	51.92	43.67	1.13	429.17	383.89	16.97	7.13	3188	3170	3017
10/1/24 14:00	7.21	272.89	33.70	4.08	16.17	52.35	52.67	43.67	1.13	430.42	378.70	16.97	7.14	3138	3165	3017
10/1/24 15:00	7.11	269.28	33.36	4.06	16.20	51.76	50.16	43.68	1.12	430.79	366.74	16.98	7.11	3050	3160	3017
10/1/24 16:00	7.03	266.91	31.45	4.02	16.20	48.66	50.92	43.68	1.13	432.18	395.08	16.93	7.22	3244	3125	3017
10/1/24 17:00	6.81	267.57	30.49	4.08	16.18	47.36	49.26	43.68	1.13	431.79	373.18	16.94	7.19	3079	3144	3017
10/1/24 18:00	7.06	267.34	30.74	5.39	16.03	53.05	49.69	43.68	1.10	432.71	371.67	16.93	7.23	3065	3124	3017
10/1/24 19:00	7.02	268.12	26.50	4.07	16.07	41.06	47.16	43.68	1.10	432.93	368.47	16.94	7.21	3041	3129	3017
10/1/24 20:00	7.31	271.01	23.77	3.99	16.14	36.66	43.59	43.68	1.11	431.61	375.78	16.94	7.22	3097	3062	3017
10/1/24 21:00	7.31	270.26	23.35	3.97	16.19	35.98	37.90	43.68	1.19	425.31	364.77	17.09	6.77	3076	3068	3017
10/1/24 22:00	7.20	268.33	23.22	3.98	16.20	35.80	36.15	43.67	1.22	415.54	362.37	17.15	6.44	3047	3072	3017
10/1/24 23:00	7.10	267.77	22.10	4.02	16.15	34.15	35.31	43.67	1.23	412.53	353.63	17.15	6.37	2952	3073	3017
10/2/24 0:00	7.08	265.53	23.32	5.15	16.00	39.36	36.44	43.67	1.22	412.66	347.86	17.12	6.37	2879	3025	3017
10/2/24 1:00	7.05	263.73	22.09	4.48	16.14	35.40	36.30	43.66	1.22	411.89	342.38	17.14	6.32	2837	2959	3017
10/2/24 2:00	7.02	262.54	22.37	4.15	16.21	34.95	36.57	43.66	1.16	414.04	351.21	17.11	6.32	2876	2889	3017
10/2/24 3:00	7.06	263.18	23.36	4.14	16.04	36.36	35.57	43.66	1.14	416.07	348.43	17.11	6.33	2860	2864	3017
10/2/24 4:00	7.05	262.13	21.52	4.16	15.92	33.49	34.93	43.65	1.14	416.99	346.07	17.12	6.31	2840	2858	3017
10/2/24 5:00	7.02	264.75	22.68	4.16	15.92	35.28	35.04	43.65	1.14	416.21	350.08	17.10	6.32	2859	2858	3017
10/2/24 6:00	7.01	266.08	24.97	5.17	15.93	42.10	36.95	43.65	1.14	415.44	344.69	17.14	6.23	2834	2853	3017
10/2/24 7:00	6.97	268.86	23.81	4.38	16.06	37.82	38.40	43.64	1.14	415.18	353.86	17.13	6.23	2902	2844	3017
10/2/24 8:00	6.99	271.65	24.13	4.20	16.34	37.94	39.29	43.64	1.16	414.49	346.26	17.14	6.22	2846	2865	3017
10/2/24 9:00	7.13	272.55	23.19	4.21	16.26	36.40	37.38	43.64	1.16	414.97	344.66	17.14	6.23	2837	2861	3017
10/2/24 10:00	7.06	272.09	24.13	4.22	16.00	37.76	37.36	43.64	1.16	416.63	360.80	17.14	6.23	2970	2862	3017
10/2/24 11:00	7.12	272.62	24.16	4.11	16.10	37.56	37.24	43.63	1.15	418.49	367.76	17.14	6.21	3021	2884	3017
10/2/24 12:00	7.12	272.02	23.30	5.36	16.03	39.95	38.42	43.63	1.14	420.53	374.14	17.16	6.16	3084	2943	3017
10/2/24 13:00	7.08	270.18	24.75	4.33	16.05	39.07	38.86	43.63	1.13	421.11	375.46	17.13	6.21	3075	3025	3017
10/2/24 14:00	7.43	268.55	25.19	4.16	16.10	39.32	39.45	43.63	1.14	422.05	372.77	17.13	6.32	3081	3060	3017
10/2/24 15:00	7.35	268.58	25.58	4.15	16.14	39.92	39.44	43.63	1.14	420.93	353.79	17.23	6.04	2967	3080	3017
10/2/24 16:00	7.28	268.90	24.52	4.06	16.23	38.04	39.10	43.62	1.15	422.58	412.00	17.16	6.12	3385	3041	3017
10/2/24 17:00	6.90	267.82	25.41	4.05	16.21	39.40	39.12	43.62	1.15	420.59	365.37	17.29	5.84	3086	3144	3017
10/2/24 18:00	6.89	265.92	26.57	5.25	16.15	45.43	40.96	43								

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
10/3/24 12:00	7.25	275.04	20.08	4.81	16.19	33.03	31.28	43.53	1.12	420.83	356.05	17.08	6.53	2930	2934	3017
10/3/24 13:00	7.30	272.41	19.74	4.90	16.31	32.70	31.56	43.52	1.12	421.13	356.72	17.07	6.56	2940	2949	3017
10/3/24 14:00	7.00	271.14	20.14	4.33	16.29	31.94	32.56	43.52	1.11	422.92	364.94	17.08	6.60	3025	2945	3017
10/3/24 15:00	6.86	270.52	20.13	4.11	16.29	31.38	32.01	43.51	1.12	424.57	367.23	17.08	6.63	3058	2965	3017
10/3/24 16:00	6.84	269.04	20.54	4.13	16.32	32.09	31.81	43.51	1.12	424.78	372.00	17.04	6.87	3101	3008	3017
10/3/24 17:00	6.92	267.60	21.41	4.11	16.34	33.41	32.30	43.50	1.12	423.73	365.15	17.02	6.98	3051	3061	3017
10/3/24 18:00	6.89	266.47	23.18	4.65	16.25	37.65	34.39	43.50	1.12	422.81	355.54	17.04	6.91	2974	3070	3017
10/3/24 19:00	6.96	265.35	20.45	4.31	16.28	32.49	34.52	43.50	1.12	421.67	362.91	17.05	6.81	3020	3042	3017
10/3/24 20:00	7.01	266.49	16.49	3.90	16.28	25.31	31.82	43.49	1.12	420.39	359.52	17.15	6.39	3011	3015	3017
10/3/24 21:00	6.81	267.19	14.54	4.04	16.27	22.54	26.78	43.48	1.12	419.25	329.94	16.90	6.29	2493	3002	3017
10/3/24 22:00	6.84	267.16	15.74	4.08	16.32	24.51	24.12	43.47	1.13	419.66	352.36	16.93	6.37	2707	2842	3017
10/3/24 23:00	6.75	268.47	17.89	4.11	16.26	27.88	24.98	43.46	1.11	421.07	336.72	17.06	6.40	2727	2737	3017
10/4/24 0:00	6.82	268.67	20.69	4.69	16.27	33.77	28.72	43.46	1.11	421.88	338.88	17.13	6.35	2803	2642	3016
10/4/24 1:00	6.74	266.50	20.64	4.82	16.28	33.97	31.87	43.45	1.12	421.36	328.94	17.17	6.27	2747	2746	3016
10/4/24 2:00	6.70	263.94	22.47	4.38	16.35	35.78	34.50	43.45	1.15	419.61	349.22	17.12	6.33	2880	2759	3016
10/4/24 3:00	6.69	263.00	21.01	4.17	16.42	32.96	34.23	43.45	1.15	416.43	302.61	17.26	6.07	2578	2810	3016
10/4/24 4:00	6.87	265.35	19.44	4.16	16.47	30.53	33.09	43.44	1.15	415.20	312.70	17.21	6.16	2632	2735	3016
10/4/24 5:00	7.12	266.00	19.88	4.11	16.67	31.20	31.56	43.44	1.15	414.88	322.74	17.21	6.16	2706	2697	3016
10/4/24 6:00	6.99	267.12	20.74	4.80	16.52	34.29	32.00	43.43	1.16	413.08	316.52	17.22	6.11	2651	2639	3016
10/4/24 7:00	7.23	269.19	19.94	4.83	16.65	33.06	32.85	43.43	1.16	413.29	317.36	17.21	6.07	2646	2663	3015
10/4/24 8:00	7.26	268.29	20.61	4.19	16.64	32.52	33.29	43.42	1.17	415.28	340.24	17.15	6.18	2803	2668	3015
10/4/24 9:00	7.17	268.39	19.88	4.35	16.77	31.80	32.46	43.42	1.17	415.36	328.25	17.17	6.23	2736	2700	3015
10/4/24 10:00	7.34	270.34	21.34	4.15	16.58	33.54	32.62	43.41	1.18	416.24	334.64	17.18	6.27	2807	2729	3015
10/4/24 11:00	7.00	271.64	21.09	4.21	16.56	33.26	32.86	43.41	1.13	420.41	355.16	17.16	6.36	2976	2782	3015
10/4/24 12:00	7.25	271.55	23.19	4.90	16.37	38.58	35.13	43.41	1.12	423.08	363.44	17.14	6.42	3034	2840	3015
10/4/24 13:00	7.16	271.19	21.45	4.91	16.30	35.55	35.80	43.40	1.10	428.13	347.86	17.17	6.32	2916	2939	3015
10/4/24 14:00	7.04	270.68	22.80	4.28	16.22	35.96	36.70	43.40	1.13	426.59	338.83	17.19	6.35	2867	2975	3015
10/4/24 15:00	7.26	270.44	22.25	4.22	16.31	34.99	35.50	43.40	1.14	426.57	381.12	17.11	6.51	3176	2939	3015
10/4/24 16:00	6.93	272.16	22.98	4.23	16.31	36.16	35.71	43.39	1.13	424.74	360.63	17.11	6.62	3025	2986	3015
10/4/24 17:00	6.96	271.47	22.59	4.27	16.26	35.63	35.59	43.39	1.12	420.85	345.65	17.13	6.59	2914	3023	3015
10/4/24 18:00	6.86	273.33	25.79	5.03	16.19	43.16	38.32	43.39	1.12	421.69	345.86	17.11	6.58	2891	3038	3015
10/4/24 19:00	6.71	274.29	21.73	4.74	16.26	35.72	38.17	43.39	1.12	420.11	337.71	17.17	6.42	2849	2943	3015
10/4/24 20:00	6.91	271.57	19.13	4.25	16.39	30.19	36.36	43.38	1.12	419.22	362.75	17.14	6.44	3037	2884	3015
10/4/24 21:00	6.68	273.99	20.30	4.23	16.49	32.05	32.66	43.38	1.15	418.71	332.42	17.13	6.45	2775	2926	3015
10/4/24 22:00	6.61	268.35	19.33	4.19	16.59	30.46	30.90	43.37	1.16	417.03	330.97	17.15	6.35	2758	2887	3015
10/4/24 23:00	6.51	268.27	17.85	4.18	16.46	28.06	30.19	43.36	1.16	417.26	329.48	17.16	6.30	2746	2857	3015
10/5/24 0:00	6.76	266.65	16.87	4.53	16.28	27.18	28.57	43.36	1.17	415.48	331.04	17.19	6.14	2762	2760	3014
10/5/24 1:00	6.51	264.40	20.31	4.62	16.39	32.96	29.40	43.35	1.17	414.98	325.37	17.25	5.93	2730	2755	3014
10/5/24 2:00	6.69	265.49	22.68	4.65	16.39	36.91	32.35	43.35	1.18	412.60	329.21	17.27	5.88	2768	2746	3014
10/5/24 3:00	6.68	263.19	23.12	4.67	16.33	37.63	35.83	43.35	1.14	413.22	319.06	17.27	5.90	2687	2753	3014
10/5/24 4:00	7.00	263.11	21.43	4.60	16.43	34.76	36.43	43.34	1.14	413.12	317.81	17.28	5.87	2687	2728	3014
10/5/24 5:00	6.91	261.75	22.08	4.52	16.44	35.61	36.00	43.34	1.15	412.10	326.51	17.26	5.87	2729	2714	3014
10/5/24 6:00	6.91	262.10	24.08	4.72	16.44	39.42	36.60	43.34	1.17	410.44	311.81	17.29	5.80	2629	2701	3014
10/5/24 7:00	6.72	264.10	23.62	4.81	16.65	39.06	38.03	43.34	1.15	412.92	348.38	17.18	5.98	2849	2682	3014
10/5/24 8:00	6.62	264.49	24.06	4.84	16.63	39.87	39.45	43.33	1.15	412.49	307.74	17.25	5.89	2573	2736	3013
10/5/24 9:00	6.76	264.03	23.55	4.64	16.61	38.42	39.12	43.33	1.17	412.11	335.89	17.22	5.96	2794	2684	3013
10/5/24 10:00	6.80	265.48	23.99	4.56	16.70	38.98	39.09	43.33	1.16	414.97	328.23	17.22	6.03	2740	2739	3013
10/5/24 11:00	6.91	268.55	23.84	4.61	16.60	38.81	38.74	43.33	1.18	416.15	357.86	17.22	5.99	2978	2702	3013
10/5/24 12:00	7.00	267.78	24.44	4.88	16.52	40.59	39.46	43.33	1.16	416.84	350.81	17.26	5.90	2949	2837	3013
10/5/24 13:00	6.91	268.89	21.68	5.01	16.72	36.49	38.63	43.32	1.11	422.27	347.59	17.26	5.94	2932	2889	3013
10/5/24 14:00	6.85	267.38	21.78	5.01	16.69	36.62	37.90	43.32	1.13	424.62	348.34	17.26	5.95	2939	2953	3013
10/5/24 15:00	6.89	271.03	21.82	4.48	16.86	35.33	36.15	43.32	1.12	423.21	338.70	17.30	5.88	2890	2940	3013
10/5/24 16:00	6.77	271.34	21.04	4.30	16.93	33.61	35.19	43.31	1.13	421.01	335.30	17.31	5.89	2875	2920	3013
10/5/24 17:00	6.71	271.45	20.40	4.24	16.99	32.49	33.81	43.31	1.12	422.54	349.06	17.25	6.03	2956	2901	3013
10/5/24 18:00	6.79	267.60	21.32	4.56	16.92	34.79	33.63	43.31	1.12	421.67	317.26	17.30	5.97	2725	2907	3013
10/5/24 19:00	6.70	266.18	20.25	4.28	16.98	32.32	33.20	43.30	1.12	423.42	348.35	17.20	6.18	2924	2852	3013
10/5/24 20:00	6.69	266.94	19.81	3.98	16.92	30.89	32.67	43.30	1.12	423.45	315.32	17.26	6.09	2689	2869	3013
10/5/24 21:00	6.83	267.93	20.13	3.99	16.90	31.39	31.53	43.29	1.11	423.77	327.09	17.24	6.08	2770	2780	3013
10/5/24 22:00	7.03	268.42	18.62	4.04	17.02	29.21	30.50	43.28	1.12	422.85	331.72	17.21	6.17	2790	2794	3012
10/5/24 23:00	6.90	269.89	17.33	4.07	16.98	27.24	29.28	43.28	1.12	423.05	351.87	17.19	6.23	2947	2750	3012
10/6/24 0:00	6.76	268.24	19.14	4.63	16.80	31.36	29.27	43.27	1.14	420.57	326.00	17.19	6.29	2755	2836	3012
10/6/24 1:00	7.17	266.01	17.44	4.82	16.99	29.05	29.22	43.27	1.13	418.48	321.01	17.18	6.36	2711	2831	3012
10/6/24 2:00	7.08	266.96	19.56	4.56	17.04	31.92	30.78	43.26	1.14	416.81	312.01	17.16	6.39	2625	2805	3012
10/6/24 3:00	7.07	266.15	19.81	4.12	17.19	31.36	30.77	43.26	1.14	418.77	312.75	17.14	6.44	2620	2697	3012
10/6/24 4:00	6.68	265.88	20.61	4.14	17.30	32.72	32.00	43.25	1.13	418.82	315.01	17.15	6.42	2639	2652	3012
10/6/24 5:00	6.74	266.05	20.72	4.12	17.01	32.69	32.26	43.25	1.13	418.84	318.88	17.12	6.47	2662	2628	3012
10/6/24 6:00	6.78	266.15	21.73	4.72	16.51	35.64	33									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
10/7/24 0:00	6.75	267.72	22.17	4.88	16.11	36.64	34.73	43.18	1.14	417.24	340.39	17.20	6.15	2847	2888	3009
10/7/24 1:00	6.59	263.30	21.64	5.04	16.07	36.12	35.09	43.18	1.11	417.66	329.09	17.23	6.11	2777	2884	3009
10/7/24 2:00	6.71	263.36	22.04	4.45	15.96	35.07	35.94	43.18	1.12	416.47	330.27	17.23	6.07	2785	2845	3009
10/7/24 3:00	6.67	263.64	22.26	4.38	15.93	35.21	35.47	43.17	1.12	414.08	323.93	17.23	6.02	2712	2803	3009
10/7/24 4:00	6.79	262.87	23.29	4.38	16.03	36.89	35.72	43.17	1.12	412.22	314.71	17.17	6.05	2584	2758	3009
10/7/24 5:00	6.89	266.50	22.90	4.35	16.00	36.20	36.10	43.17	1.12	411.43	309.37	17.16	6.03	2525	2694	3009
10/7/24 6:00	6.88	268.99	23.55	4.94	15.91	38.97	37.35	43.16	1.12	411.35	305.47	17.19	6.01	2515	2607	3009
10/7/24 7:00	6.96	268.84	22.23	5.09	15.99	37.21	37.46	43.16	1.13	411.18	308.51	17.17	6.02	2529	2541	3008
10/7/24 8:00	7.08	272.84	24.03	4.62	16.06	38.81	38.33	43.16	1.13	409.52	295.70	17.25	5.91	2476	2523	3008
10/7/24 9:00	7.24	272.96	23.76	4.55	15.94	38.07	38.03	43.16	1.14	408.09	289.47	17.25	5.91	2423	2506	3008
10/7/24 10:00	7.18	273.51	25.19	4.46	15.86	40.03	38.97	43.16	1.14	408.82	293.10	17.26	5.90	2459	2476	3008
10/7/24 11:00	7.16	269.69	25.83	4.24	16.08	40.55	39.55	43.16	1.13	410.37	288.70	17.25	5.87	2410	2453	3007
10/7/24 12:00	7.09	267.21	23.64	5.03	15.96	39.32	39.97	43.15	1.12	409.62	269.29	17.30	5.78	2273	2431	3007
10/7/24 13:00	7.06	267.61	24.36	4.96	16.19	40.50	40.12	43.15	1.15	411.29	307.81	17.23	5.86	2547	2381	3007
10/7/24 14:00	6.82	268.21	25.98	4.37	16.06	41.16	40.33	43.15	1.12	410.21	274.28	17.37	5.60	2348	2410	3007
10/7/24 15:00	7.43	268.45	26.28	4.30	16.17	41.47	41.04	43.15	1.12	409.76	277.32	17.36	5.61	2370	2389	3006
10/7/24 16:00	7.34	270.28	26.72	4.30	16.14	42.16	41.60	43.15	1.11	409.93	271.28	17.37	5.61	2322	2422	3006
10/7/24 17:00	7.37	270.51	26.51	4.26	16.17	41.70	41.78	43.15	1.11	408.77	268.49	17.36	5.52	2275	2346	3006
10/7/24 18:00	7.10	269.31	28.35	4.92	16.06	46.91	43.59	43.15	1.11	408.46	276.15	17.32	5.57	2311	2322	3006
10/7/24 19:00	7.12	270.72	23.03	4.57	16.20	37.33	41.98	43.15	1.11	409.50	272.05	17.31	5.64	2279	2302	3005
10/7/24 20:00	7.07	271.50	19.86	4.20	16.24	31.14	38.46	43.14	1.12	409.38	275.40	17.31	5.69	2319	2288	3005
10/7/24 21:00	6.94	270.64	19.25	4.25	16.25	30.31	32.93	43.14	1.12	410.05	279.48	17.32	5.76	2372	2303	3005
10/7/24 22:00	6.97	268.73	19.95	4.27	16.24	31.46	30.97	43.13	1.11	409.98	285.72	17.35	5.71	2445	2323	3004
10/7/24 23:00	6.93	267.58	19.28	4.30	16.26	30.48	30.75	43.13	1.11	408.86	287.44	17.32	5.73	2432	2379	3004
10/8/24 0:00	6.84	267.68	22.56	4.59	16.22	36.48	32.81	43.13	1.15	407.35	284.58	17.34	5.75	2435	2416	3004
10/8/24 1:00	6.82	265.69	22.35	4.71	16.39	36.55	34.50	43.12	1.14	409.39	293.74	17.29	5.88	2493	2437	3004
10/8/24 2:00	7.06	268.50	22.87	5.11	15.99	38.33	37.12	43.12	1.12	408.63	284.27	17.30	5.89	2428	2453	3003
10/8/24 3:00	7.10	270.49	22.52	5.41	15.64	38.45	37.77	43.12	1.13	407.36	288.28	17.30	5.90	2456	2452	3003
10/8/24 4:00	7.18	269.07	20.88	5.10	15.61	34.75	37.17	43.12	1.12	407.12	276.51	17.29	5.87	2343	2459	3003
10/8/24 5:00	7.29	266.14	18.85	4.92	15.53	30.88	34.69	43.11	1.13	406.05	278.60	17.27	5.87	2341	2409	3003
10/8/24 6:00	7.11	264.55	20.83	5.20	15.30	34.77	33.47	43.11	1.13	404.90	275.94	17.28	5.80	2316	2380	3002
10/8/24 7:00	7.41	264.10	19.02	5.27	15.31	31.92	32.52	43.10	1.13	403.66	262.08	17.29	5.71	2191	2333	3002
10/8/24 8:00	7.46	264.88	19.08	5.28	15.34	32.05	32.91	43.10	1.13	403.47	268.92	17.20	5.73	2174	2283	3002
10/8/24 9:00	7.58	266.89	20.12	5.47	15.58	34.47	32.81	43.09	1.13	404.85	262.70	17.16	5.78	2104	2227	3001
10/8/24 10:00	7.71	268.51	21.64	5.30	15.31	36.39	34.30	43.09	1.13	406.81	270.37	17.23	5.75	2211	2156	3001
10/8/24 11:00	7.70	269.68	20.23	4.79	15.63	32.87	34.58	43.09	1.12	408.57	268.83	17.28	5.75	2244	2163	3001
10/8/24 12:00	7.71	268.69	25.14	4.98	15.56	41.40	36.89	43.09	1.12	409.40	269.83	17.29	5.76	2266	2186	3000
10/8/24 13:00	7.69	270.25	24.75	4.97	15.69	40.80	38.36	43.09	1.12	406.64	271.15	17.16	5.89	2185	2240	3000
10/8/24 14:00	7.55	271.48	24.85	4.96	15.68	40.92	41.04	43.08	1.13	407.42	264.55	17.21	5.88	2177	2232	3000
10/8/24 15:00	7.41	276.87	23.74	4.90	15.67	38.94	40.22	43.08	1.11	408.76	272.69	17.20	5.97	2248	2209	2999
10/8/24 16:00	7.29	275.54	22.16	4.71	15.63	35.78	38.55	43.08	1.12	409.03	269.65	17.24	5.84	2237	2203	2999
10/8/24 17:00	7.32	270.82	22.53	4.66	15.60	36.20	36.97	43.08	1.14	409.31	284.65	17.26	5.83	2373	2220	2999
10/8/24 18:00	7.36	270.60	26.97	4.93	15.54	44.26	38.75	43.08	1.13	409.47	276.18	17.32	5.75	2345	2286	2999
10/8/24 19:00	7.43	269.46	22.97	4.53	15.87	36.81	39.09	43.07	1.12	409.02	278.83	17.33	5.68	2366	2318	2998
10/8/24 20:00	7.30	270.63	19.39	4.28	15.92	30.44	37.17	43.07	1.13	408.16	277.76	17.33	5.69	2358	2361	2998
10/8/24 21:00	7.22	270.57	19.81	4.36	15.87	31.28	32.84	43.06	1.12	407.19	274.01	17.33	5.69	2327	2356	2998
10/8/24 22:00	7.13	269.61	18.85	4.82	15.36	30.57	30.76	43.06	1.13	407.17	277.45	17.33	5.73	2361	2350	2997
10/8/24 23:00	7.46	269.67	29.63	5.05	14.83	48.46	36.77	43.06	1.14	406.24	274.00	17.34	5.72	2340	2349	2997
10/9/24 0:00	7.81	267.90	29.27	5.49	14.53	49.21	42.75	43.06	1.13	405.98	281.23	17.31	5.77	2383	2343	2997
10/9/24 1:00	7.90	265.49	28.90	5.38	14.92	48.48	48.72	43.07	1.12	405.11	272.20	17.33	5.70	2315	2362	2997
10/9/24 2:00	7.77	262.66	28.03	5.59	14.87	47.73	48.48	43.07	1.14	402.85	267.59	17.32	5.63	2245	2346	2996
10/9/24 3:00	7.76	262.67	20.32	4.99	15.52	33.63	43.28	43.06	1.13	400.83	253.83	17.30	5.58	2105	2314	2996
10/9/24 4:00	7.34	263.83	18.25	4.79	15.71	29.70	37.02	43.06	1.14	401.22	250.74	17.33	5.62	2112	2222	2996
10/9/24 5:00	7.31	265.53														

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
10/10/24 12:00	6.94	265.80	13.83	4.77	16.07	22.60	20.48	42.77	1.19	400.96	246.03	17.45	5.41	2136	2183	2986
10/10/24 13:00	6.73	266.20	13.32	4.72	16.20	21.73	21.15	42.76	1.17	400.22	223.64	17.49	5.34	1969	2120	2986
10/10/24 14:00	6.71	266.66	13.94	4.73	16.22	22.75	22.36	42.76	1.14	400.10	224.33	17.51	5.34	1987	2047	2985
10/10/24 15:00	6.83	268.05	13.16	4.74	16.18	21.48	21.99	42.75	1.13	400.63	245.77	17.52	5.30	2183	2031	2985
10/10/24 16:00	6.93	266.25	11.92	4.71	16.29	19.46	21.23	42.74	1.13	403.53	258.03	17.44	5.49	2248	2046	2984
10/10/24 17:00	6.67	264.35	12.14	4.61	16.35	19.67	20.20	42.73	1.14	404.98	226.34	17.42	5.63	1982	2139	2984
10/10/24 18:00	6.79	266.69	15.05	4.62	16.27	24.37	21.17	42.72	1.13	406.39	236.70	17.41	5.68	2071	2138	2984
10/10/24 19:00	6.80	266.26	13.31	4.35	16.38	21.18	21.74	42.71	1.12	406.98	251.98	17.36	5.75	2175	2101	2983
10/10/24 20:00	6.72	265.74	11.50	4.21	16.42	18.10	21.22	42.70	1.15	406.64	254.62	17.35	5.67	2176	2076	2983
10/10/24 21:00	6.72	262.12	0.89	4.39	17.09	1.41	13.56	42.68	1.16	406.98	265.64	17.31	5.75	2247	2141	2983
10/10/24 22:00	6.70	258.40	1.96	4.74	16.40	3.19	7.57	42.67	1.14	407.65	261.26	17.32	5.74	2219	2200	2982
10/10/24 23:00	6.63	259.63	11.66	4.29	16.50	18.44	7.68	42.66	1.14	406.92	250.21	17.35	5.73	2147	2214	2982
10/11/24 0:00	6.78	258.38	14.21	4.53	16.41	22.92	14.85	42.65	1.14	405.01	248.32	17.38	5.62	2138	2205	2982
10/11/24 1:00	6.66	256.57	15.01	4.60	16.41	24.33	21.90	42.64	1.14	402.66	245.27	17.39	5.52	2100	2168	2981
10/11/24 2:00	6.82	257.05	19.78	4.61	16.51	32.13	26.46	42.64	1.15	401.23	236.66	17.38	5.52	2021	2128	2981
10/11/24 3:00	6.92	258.61	19.92	4.61	16.62	32.44	29.63	42.63	1.15	399.97	233.06	17.39	5.46	1984	2086	2981
10/11/24 4:00	6.91	257.65	19.83	4.61	16.75	32.37	32.31	42.63	1.15	399.81	234.23	17.33	5.50	1953	2035	2980
10/11/24 5:00	6.90	257.75	19.78	4.47	17.06	32.09	32.30	42.63	1.14	400.87	239.80	17.33	5.59	2021	1986	2980
10/11/24 6:00	6.56	259.09	20.67	4.46	16.97	33.45	32.64	42.62	1.14	402.65	252.78	17.33	5.61	2127	1986	2979
10/11/24 7:00	6.57	258.60	19.03	4.58	17.09	31.16	32.24	42.62	1.16	402.03	258.59	17.32	5.61	2166	2034	2979
10/11/24 8:00	6.72	258.83	18.46	4.57	16.95	30.13	31.58	42.61	1.15	401.51	261.86	17.21	5.64	2109	2105	2979
10/11/24 9:00	6.73	261.17	20.10	4.77	17.08	33.39	31.56	42.61	1.14	403.77	273.33	17.06	5.76	2104	2134	2978
10/11/24 10:00	6.79	262.57	19.87	4.72	16.81	32.72	32.08	42.60	1.13	406.68	287.18	16.99	5.85	2173	2126	2978
10/11/24 11:00	6.69	264.15	19.53	4.53	16.87	31.73	32.61	42.60	1.13	411.46	313.74	17.05	6.03	2459	2129	2978
10/11/24 12:00	6.60	265.62	18.41	4.54	16.74	29.87	31.44	42.59	1.12	415.17	318.34	17.13	6.03	2569	2246	2977
10/11/24 13:00	6.43	267.07	17.21	4.65	16.64	28.12	29.90	42.59	1.12	417.80	327.48	17.10	6.02	2605	2401	2977
10/11/24 14:00	6.69	268.95	18.03	4.70	16.66	29.59	29.19	42.58	1.12	420.05	335.94	17.09	6.06	2673	2545	2977
10/11/24 15:00	6.83	268.30	19.66	4.68	16.69	32.22	29.97	42.58	1.11	420.45	333.38	17.05	6.08	2622	2616	2977
10/11/24 16:00	6.72	268.07	20.44	4.63	16.63	33.34	31.72	42.58	1.11	421.85	337.54	17.07	6.16	2694	2633	2977
10/11/24 17:00	6.78	263.02	20.03	4.61	16.63	32.61	32.72	42.57	1.12	420.84	339.70	17.11	6.27	2769	2663	2977
10/11/24 18:00	6.91	260.32	21.04	4.56	16.51	34.06	33.34	42.57	1.13	418.68	335.15	17.06	6.22	2675	2695	2977
10/11/24 19:00	6.84	259.75	19.34	4.19	16.55	30.50	32.39	42.56	1.13	415.84	323.76	16.89	6.21	2424	2713	2977
10/11/24 20:00	6.79	260.05	19.26	4.01	16.37	29.84	31.47	42.56	1.14	414.23	322.36	16.82	6.21	2352	2623	2976
10/11/24 21:00	6.87	260.31	19.64	4.11	16.23	30.59	30.31	42.55	1.13	416.33	325.50	16.93	6.34	2498	2484	2976
10/11/24 22:00	6.93	260.08	19.70	4.11	16.30	30.72	30.39	42.55	1.12	418.74	332.81	16.99	6.42	2629	2425	2976
10/11/24 23:00	6.61	259.37	20.18	4.21	16.19	31.66	30.99	42.54	1.12	421.56	348.47	16.99	6.45	2752	2493	2976
10/12/24 0:00	6.67	258.84	23.33	5.15	16.11	39.33	33.90	42.54	1.13	421.93	382.18	17.01	6.45	3049	2626	2976
10/12/24 1:00	6.82	259.47	21.04	4.79	16.19	34.56	35.18	42.54	1.15	421.30	363.54	17.01	6.45	2897	2810	2976
10/12/24 2:00	6.76	262.03	19.57	4.28	16.30	30.92	34.93	42.53	1.15	420.31	362.36	17.00	6.57	2907	2899	2976
10/12/24 3:00	6.63	261.04	20.15	4.25	16.40	31.79	32.42	42.53	1.14	421.92	372.66	16.99	6.59	2985	2951	2976
10/12/24 4:00	6.50	261.24	19.23	4.18	16.48	30.24	30.98	42.53	1.21	419.64	382.71	17.06	6.41	3099	2930	2976
10/12/24 5:00	6.36	261.83	18.78	4.23	16.46	29.63	30.55	42.52	1.19	418.79	398.56	17.04	6.39	3201	2997	2976
10/12/24 6:00	6.46	261.62	22.37	5.33	16.32	38.58	32.82	42.52	1.21	417.27	388.33	17.07	6.31	3129	3095	2976
10/12/24 7:00	6.54	258.95	20.27	4.58	16.52	32.97	33.73	42.51	1.23	415.61	382.16	17.08	6.20	3066	3143	2976
10/12/24 8:00	6.63	259.59	19.19	4.36	16.30	30.48	34.01	42.51	1.22	414.63	372.33	17.08	6.06	2955	3132	2976
10/12/24 9:00	6.76	262.23	21.58	4.44	15.98	34.34	32.60	42.51	1.22	414.64	380.77	17.08	6.03	3016	3050	2976
10/12/24 10:00	6.85	260.12	21.95	4.43	16.44	35.17	33.33	42.50	1.22	415.38	389.74	17.08	6.03	3082	3122	2976
10/12/24 11:00	6.77	259.37	18.78	4.38	16.17	29.82	33.11	42.50	1.20	417.64	428.61	17.07	6.04	3386	3018	2976
10/12/24 12:00	6.69	262.93	21.20	5.37	16.21	36.42	33.81	42.50	1.16	419.82	431.91	17.07	6.06	3408	3161	2976
10/12/24 13:00	6.65	263.25	19.49	4.66	16.29	31.71	32.65	42.49	1.17	421.86	438.70	17.06	6.08	3463	3292	2976
10/12/24 14:00	6.61	262.20	19.78	4.42	16.16	31.52	33.22	42.49	1.16	424.40	440.71	17.04	6.19	3478	3419	2976
10/12/24 15:00	6.73	257.38	21.91	4.40	16.23	34.89	32.71	42.48	1.16	425.45	426.53	17.04	6.25	3380	3450	2977
10/12/24 16:00	6.80	255.79	25.16	4.33	16.29	39.89	35.43	42.48	1.15	424.67	422.83	17.03	6.29	3355	3440	2977
10/12/24 17:00	6.80	256.45	21.64	4.33	16.20	34.26	36.35	42.48	1.15	425.09	421.30	17.02	6.33	3333	3404	2977
10/12/24 18:00	6.93	257.95	24.74	5.35	16.12	42.61	38.92	42.48	1.15	427.35	412.95	17.00	6.39	3266	3356	2977
10/12/24 19:00	6.86	260.50	22.71	4.94	16.20	37.69	38.19	42.48	1.15	428.26	425.04	16.99	6.42	3355	3318	2977
10/12/24 20:00	7.15	263.58	22.81	4.51	16.18	36.58	38.96	42.48	1.20	424.12	435.89	17.06	6.15	3455	3318	2977
10/12/24 21:00	7.15	265.15	23.98	4.53	16.24	38.56	37.61	42.47	1.21	421.02	419.33	17.10	5.99	3332	3359	2978
10/12/24 22:00	6.98	265.13	25.40	4.52	16.30	40.86	38.67	42.47	1.19	419.70	406.14	17.09	6.00	3223	3381	2978
10/12/24 23:00	6.63	262.99	27.09	4.52	16.37	43.61	41.01	42.47	1.17	420.31	414.24	17.06	6.09	3272	3336	2978
10/13/24 0:00	6.65	262.12	28.79	4.86	16.32	47.56	44.01	42.48	1.17	421.61	422.00	17.05	6.12	3320	3276	2978
10/13/24 1:00	6.74	261.85	27.63	4.98	16.42	46.15	45.78	42.48	1.20	419.62	417.49	17.05	6.17	3301	3272	2978
10/13/24 2:00	6.83	263.05	28.02	4.98	16.43	46.81	46.84	42.48	1.22	418.69	404.47	17.06	6.19	3219	3298	2978
10/13/24 3:00	6.83	264.98	27.95	4.97	16.41	46.63	46.53	42.48	1.21	417.38	399.85	17.02	6.17	3129	3280	2978
10/13/24 4:00	6.95	265.53	28.20	4.71	16.39	46.08	46.51	42.48	1.16	421.30	409.11	16.96	6.33	3168	3216	2978
10/13/24 5:00	6.99	267.18	26.85	4.59	16.40	43.48	45.40	42.48	1.19	420.17	405.38	17.01	6.21	3169	3172	2978
10/13/24 6:00	6.87															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
10/14/24 0:00	6.82	262.98	23.42	4.60	16.09	37.79	36.22	42.51	1.25	406.42	323.41	17.14	5.86	2582	2639	2978
10/14/24 1:00	6.81	264.77	21.60	4.67	16.09	35.03	36.01	42.51	1.25	406.18	324.79	17.15	5.82	2591	2602	2978
10/14/24 2:00	6.81	266.08	20.55	4.62	16.10	33.20	35.34	42.50	1.25	406.07	326.19	17.14	5.74	2585	2581	2978
10/14/24 3:00	6.57	264.95	21.40	4.63	16.06	34.58	34.27	42.50	1.24	405.71	331.12	16.94	5.65	2423	2586	2978
10/14/24 4:00	6.55	267.60	21.47	4.51	16.09	34.38	34.06	42.50	1.24	407.07	339.63	16.95	5.77	2516	2533	2978
10/14/24 5:00	6.55	266.91	22.54	4.32	16.21	35.66	34.87	42.49	1.23	408.51	348.91	17.06	5.84	2698	2508	2977
10/14/24 6:00	6.59	266.00	23.11	4.45	16.15	36.92	35.65	42.49	1.24	408.23	346.45	17.11	5.78	2723	2546	2977
10/14/24 7:00	6.71	263.45	21.71	4.57	16.23	35.00	35.86	42.49	1.23	407.54	345.09	17.12	5.76	2714	2646	2977
10/14/24 8:00	6.92	261.96	21.02	4.57	16.25	33.93	35.28	42.49	1.24	406.34	344.59	17.12	5.75	2707	2711	2977
10/14/24 9:00	6.88	262.02	21.28	4.61	16.25	34.45	34.46	42.48	1.25	404.12	341.48	17.14	5.70	2689	2714	2977
10/14/24 10:00	6.92	265.02	20.90	4.65	16.21	33.92	34.10	42.48	1.26	404.88	347.19	17.12	5.72	2727	2703	2977
10/14/24 11:00	7.08	264.61	21.13	4.56	16.66	34.29	34.22	42.48	1.25	405.10	345.56	17.11	5.77	2712	2708	2977
10/14/24 12:00	7.00	266.17	23.60	4.57	16.27	38.10	35.44	42.47	1.24	407.38	352.94	17.09	5.80	2756	2710	2977
10/14/24 13:00	7.14	267.59	22.10	4.65	16.28	35.89	36.09	42.47	1.23	409.22	355.81	17.11	5.80	2793	2732	2977
10/14/24 14:00	7.15	266.65	21.83	4.65	16.28	35.46	36.48	42.47	1.22	410.02	357.26	17.11	5.80	2808	2754	2976
10/14/24 15:00	7.17	264.47	21.29	4.62	16.31	34.51	35.29	42.47	1.21	411.44	371.67	17.11	5.79	2922	2786	2976
10/14/24 16:00	6.86	264.43	21.91	4.58	16.31	35.42	35.13	42.46	1.21	412.63	384.93	17.11	5.81	3029	2841	2976
10/14/24 17:00	6.79	264.34	17.49	4.63	16.10	28.25	32.73	42.46	1.19	413.98	395.03	17.09	5.86	3100	2920	2976
10/14/24 18:00	6.79	265.21	20.04	4.71	16.12	32.64	32.10	42.45	1.18	414.43	389.13	17.10	5.89	3064	3017	2976
10/14/24 19:00	6.93	267.75	19.14	4.43	16.19	30.53	30.47	42.45	1.20	413.77	389.80	17.09	5.93	3069	3064	2976
10/14/24 20:00	6.95	267.85	18.77	4.19	16.25	29.42	30.86	42.44	1.20	412.91	382.45	17.08	5.95	3012	3078	2977
10/14/24 21:00	6.89	266.08	16.95	4.16	16.30	26.53	28.83	42.44	1.19	412.77	377.46	17.08	5.96	2969	3048	2977
10/14/24 22:00	6.77	268.77	15.71	4.19	16.34	24.65	26.87	42.43	1.21	410.82	370.12	17.10	5.93	2924	3017	2977
10/14/24 23:00	6.66	268.36	14.67	4.22	16.37	23.09	24.76	42.42	1.21	410.09	371.18	17.09	5.95	2929	2968	2977
10/15/24 0:00	6.54	268.22	16.69	4.76	16.29	27.34	25.03	42.42	1.20	410.86	378.44	17.07	5.96	2966	2941	2976
10/15/24 1:00	6.58	269.78	15.12	4.88	16.39	25.03	25.15	42.41	1.20	410.47	372.44	17.08	5.93	2921	2940	2976
10/15/24 2:00	6.60	270.05	16.68	4.74	16.26	27.25	26.54	42.40	1.23	409.56	367.44	17.10	5.88	2894	2939	2976
10/15/24 3:00	6.63	267.50	17.64	4.50	16.16	28.27	26.85	42.40	1.22	408.22	366.07	17.11	5.85	2884	2927	2976
10/15/24 4:00	6.88	264.78	18.43	4.43	16.31	29.44	28.32	42.39	1.21	407.68	366.66	17.11	5.82	2885	2900	2976
10/15/24 5:00	6.69	263.73	17.64	4.44	16.24	28.18	28.63	42.39	1.22	407.23	366.95	17.11	5.78	2879	2888	2976
10/15/24 6:00	6.78	265.72	19.39	4.83	16.20	31.88	29.83	42.38	1.22	406.49	360.05	17.12	5.75	2826	2883	2976
10/15/24 7:00	6.90	265.85	16.31	5.01	16.23	27.22	29.09	42.38	1.22	405.17	354.13	17.12	5.73	2775	2863	2976
10/15/24 8:00	7.07	265.28	17.70	5.04	16.23	29.62	29.57	42.37	1.22	404.63	352.27	17.11	5.77	2759	2827	2976
10/15/24 9:00	7.15	264.34	17.17	4.65	16.25	27.86	28.23	42.37	1.22	405.99	353.05	17.10	5.82	2768	2786	2976
10/15/24 10:00	7.16	263.54	16.89	4.81	16.40	27.83	28.44	42.36	1.22	406.86	350.49	17.12	5.80	2762	2767	2976
10/15/24 11:00	7.20	262.83	16.59	4.77	16.06	27.09	27.60	42.36	1.23	407.49	360.39	17.11	5.81	2835	2763	2976
10/15/24 12:00	6.98	264.61	17.84	5.15	16.01	30.05	28.32	42.35	1.20	409.25	358.28	17.11	5.85	2827	2788	2976
10/15/24 13:00	6.86	265.71	18.90	5.30	16.06	32.21	29.78	42.35	1.21	410.44	359.98	17.12	5.87	2852	2808	2976
10/15/24 14:00	6.91	265.49	20.56	5.06	16.11	34.38	32.21	42.34	1.20	411.15	363.61	17.12	5.87	2884	2838	2976
10/15/24 15:00	6.83	268.20	20.30	4.68	16.13	32.95	33.18	42.34	1.20	410.01	357.56	17.15	5.84	2864	2854	2976
10/15/24 16:00	6.83	265.87	21.63	4.65	16.12	35.03	34.12	42.34	1.17	410.76	360.07	17.10	5.99	2861	2867	2976
10/15/24 17:00	6.81	264.84	18.87	4.57	16.24	30.44	32.81	42.33	1.18	411.90	354.71	17.10	5.97	2820	2870	2976
10/15/24 18:00	6.58	266.91	22.88	4.85	16.30	37.78	34.42	42.33	1.18	411.01	356.16	17.10	5.97	2828	2848	2976
10/15/24 19:00	6.66	266.99	19.10	4.70	16.47	31.23	33.15	42.33	1.16	412.28	357.05	17.11	5.95	2844	2836	2976
10/15/24 20:00	6.70	268.54	20.87	4.43	16.59	33.49	34.16	42.32	1.18	411.00	350.68	17.14	5.92	2809	2831	2975
10/15/24 21:00	6.70	267.76	21.32	4.42	16.63	34.23	32.98	42.32	1.17	410.64	351.37	17.10	5.94	2786	2827	2975
10/15/24 22:00	6.66	266.98	20.42	4.41	16.52	32.70	33.47	42.32	1.15	411.12	345.15	17.12	5.93	2754	2813	2975
10/15/24 23:00	6.65	261.32	19.45	4.37	16.47	31.01	32.65	42.31	1.15	410.30	338.10	17.14	5.89	2707	2783	2975
10/16/24 0:00	6.52	258.84	21.60	4.55	16.33	34.83	32.85	42.31	1.16	409.76	337.38	17.13	5.89	2691	2749	2975
10/16/24 1:00	6.65	258.81	19.66	4.61	16.36	31.87	32.57	42.30	1.16	409.24	339.42	17.12	5.82	2683	2718	2975
10/16/24 2:00	6.66	258.82	18.87	4.58	16.30	30.49	32.40	42.30	1.17	407.50	338.30	17.05	5.71	2580	2694	2975
10/16/24 3:00	6.64	259.93	17.57	4.56	16.21	28.31	30.23	42.29	1.17	408.08	338.32	16.97	5.84	2538	2651	2975
10/16/24 4:00	6.76	261.45	15.91	4.58	16.16	25.66	28.16	42.29	1.16	409.07	337.92	17.06	5.83	2613	2600	2975
10/16/24 5:00	6.87	260.14	14.28	4.52	16.19	22.94	25.64	42.28	1.16	409.20	336.96	17.09	5.83	2634	2577	2974
10/16/24 6:00	6.63	260.33	18.69	4.62	16.01	30.14	26.24	42.28	1.17	408.63	339.79	17.10	5.81	2664	2595	2974
10/16/24 7:00	7.20	261.47	17.16	4												

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
10/17/24 12:00	7.26	269.29	12.77	4.93	15.73	20.99	20.31	42.11	1.16	416.22	402.99	17.12	6.01	3238	3307	2973
10/17/24 13:00	7.31	272.76	13.22	4.90	15.80	21.73	20.55	42.11	1.16	417.19	384.08	17.12	6.05	3095	3417	2973
10/17/24 14:00	7.53	272.03	12.18	4.71	16.01	19.78	20.83	42.10	1.15	418.22	383.21	17.12	6.05	3081	3347	2973
10/17/24 15:00	7.35	270.01	12.31	4.71	16.01	20.00	20.50	42.09	1.15	419.86	380.60	17.10	6.12	3058	3138	2973
10/17/24 16:00	7.20	265.69	14.81	4.61	16.10	23.91	21.23	42.08	1.14	421.79	382.33	17.08	6.20	3068	3078	2973
10/17/24 17:00	6.96	263.17	14.08	4.56	16.18	22.68	22.20	42.07	1.15	421.39	380.43	17.07	6.26	3058	3069	2973
10/17/24 18:00	6.84	262.90	18.58	4.54	16.09	29.83	25.48	42.07	1.15	419.99	375.30	17.08	6.28	3035	3061	2973
10/17/24 19:00	6.97	262.86	18.79	4.43	16.18	29.97	27.50	42.07	1.14	416.65	375.29	17.09	6.25	3032	3054	2973
10/17/24 20:00	6.98	263.44	16.80	4.31	16.23	26.57	28.79	42.06	1.15	416.43	371.05	17.11	6.08	2987	3042	2973
10/17/24 21:00	6.92	265.20	15.44	4.28	16.32	24.40	26.98	42.05	1.15	416.27	378.00	17.06	6.05	2971	3018	2973
10/17/24 22:00	6.83	264.81	12.83	4.26	16.44	20.29	23.76	42.04	1.15	415.00	376.60	17.00	5.93	2872	2996	2973
10/17/24 23:00	6.73	264.81	8.73	4.33	16.43	13.87	19.52	42.03	1.15	414.92	376.17	16.92	5.97	2799	2943	2973
10/18/24 0:00	6.73	263.68	12.87	4.44	16.51	20.66	18.27	42.03	1.15	414.97	380.20	17.03	5.99	2940	2881	2973
10/18/24 1:00	6.79	267.88	11.70	4.43	16.53	18.77	17.77	42.02	1.14	415.41	387.14	17.06	6.06	3050	2870	2973
10/18/24 2:00	6.73	266.52	12.02	4.49	16.47	19.36	19.59	42.01	1.15	416.23	399.00	17.09	6.06	3181	2930	2973
10/18/24 3:00	6.77	264.81	13.93	4.53	16.47	22.49	20.20	42.00	1.15	415.76	404.55	17.08	6.08	3211	3057	2973
10/18/24 4:00	6.80	260.18	12.31	4.49	16.49	19.82	20.55	41.99	1.16	416.46	422.90	17.07	6.11	3355	3147	2973
10/18/24 5:00	6.71	258.95	12.70	4.49	16.51	20.46	20.92	41.98	1.15	416.71	429.29	17.06	6.13	3400	3249	2974
10/18/24 6:00	6.74	259.99	15.51	4.44	16.52	24.89	21.72	41.98	1.16	416.45	430.98	17.06	6.09	3404	3322	2974
10/18/24 7:00	6.77	261.78	14.64	4.46	16.55	23.54	22.96	41.97	1.16	416.14	423.63	17.04	6.05	3304	3386	2974
10/18/24 8:00	6.85	261.98	14.14	4.48	16.57	22.78	23.74	41.96	1.15	416.34	418.11	17.02	6.03	3235	3369	2974
10/18/24 9:00	6.93	263.27	13.72	4.57	16.50	22.24	22.85	41.96	1.15	417.81	427.94	16.99	6.11	3300	3314	2974
10/18/24 10:00	6.86	264.81	15.65	4.86	16.58	25.95	23.66	41.95	1.16	421.02	449.16	16.95	6.28	3456	3280	2974
10/18/24 11:00	7.13	265.98	15.70	4.92	16.03	25.93	24.71	41.94	1.16	423.44	447.87	16.96	6.37	3474	3330	2975
10/18/24 12:00	7.31	267.21	16.58	4.93	15.97	27.39	26.42	41.94	1.17	424.60	452.98	16.96	6.45	3540	3410	2975
10/18/24 13:00	7.25	268.17	15.00	4.98	15.98	24.88	26.07	41.93	1.15	424.35	447.72	16.98	6.42	3515	3490	2975
10/18/24 14:00	7.35	268.56	15.99	5.02	15.93	26.58	26.28	41.93	1.14	425.84	451.55	16.98	6.42	3548	3510	2975
10/18/24 15:00	7.56	268.61	16.08	4.98	15.90	26.63	26.03	41.92	1.15	427.87	450.66	16.99	6.42	3554	3535	2975
10/18/24 16:00	7.55	268.02	15.81	4.84	16.03	25.95	26.39	41.91	1.15	429.31	463.06	16.96	6.53	3646	3539	2976
10/18/24 17:00	7.44	267.81	15.72	4.52	16.38	25.32	25.96	41.91	1.14	429.92	452.80	16.96	6.60	3578	3583	2976
10/18/24 18:00	6.98	267.33	17.09	4.54	16.23	27.48	26.25	41.90	1.14	429.44	451.08	16.93	6.69	3555	3593	2976
10/18/24 19:00	6.85	267.81	17.22	4.40	16.39	27.48	26.76	41.90	1.14	428.53	449.38	16.91	6.76	3530	3593	2976
10/18/24 20:00	6.96	268.24	16.99	4.26	16.45	26.85	27.27	41.89	1.15	427.06	457.85	16.90	6.73	3580	3554	2976
10/18/24 21:00	6.87	266.95	14.34	4.23	16.54	22.65	25.66	41.88	1.15	425.71	458.77	16.94	6.54	3583	3555	2977
10/18/24 22:00	6.68	268.35	13.05	4.29	16.57	20.73	23.41	41.88	1.15	425.72	458.80	16.91	6.49	3531	3565	2977
10/18/24 23:00	6.77	269.25	12.71	4.30	16.63	20.20	21.19	41.87	1.15	425.29	454.42	16.91	6.45	3494	3565	2977
10/19/24 0:00	6.81	267.91	15.86	4.45	16.65	25.55	22.16	41.86	1.15	424.96	455.80	16.93	6.43	3517	3536	2977
10/19/24 1:00	6.73	265.84	15.26	4.50	16.66	24.65	23.47	41.85	1.15	423.57	446.91	16.93	6.40	3441	3514	2978
10/19/24 2:00	6.81	268.06	15.08	4.49	16.59	24.31	24.83	41.85	1.15	423.00	454.22	16.94	6.41	3514	3484	2978
10/19/24 3:00	6.81	268.22	16.28	4.51	16.51	26.26	25.07	41.84	1.15	422.94	443.28	16.95	6.35	3431	3490	2978
10/19/24 4:00	6.98	267.59	15.09	4.44	16.42	24.18	24.92	41.84	1.16	422.06	432.65	16.95	6.29	3331	3462	2978
10/19/24 5:00	6.82	261.14	14.61	4.45	16.38	23.40	24.61	41.83	1.16	421.34	436.96	16.94	6.29	3349	3425	2978
10/19/24 6:00	7.00	258.86	18.00	4.58	16.44	29.17	25.58	41.82	1.16	420.38	418.63	16.97	6.25	3239	3370	2978
10/19/24 7:00	7.26	259.58	15.55	4.69	16.23	25.31	25.96	41.82	1.15	420.32	415.45	16.96	6.24	3193	3306	2978
10/19/24 8:00	7.37	261.45	15.06	4.85	16.47	24.92	26.47	41.81	1.15	420.02	414.50	16.94	6.34	3187	3260	2979
10/19/24 9:00	7.36	261.88	15.69	4.59	16.49	25.45	25.23	41.80	1.16	420.93	419.87	16.93	6.46	3247	3207	2979
10/19/24 10:00	6.94	264.71	15.25	4.50	16.44	24.55	24.97	41.80	1.16	424.39	429.61	16.93	6.59	3354	3209	2979
10/19/24 11:00	6.79	266.95	15.52	4.51	16.29	24.93	24.98	41.79	1.16	424.67	431.93	16.92	6.72	3393	3263	2979
10/19/24 12:00	6.91	267.05	14.58	4.50	16.11	23.34	24.27	41.78	1.15	425.32	428.94	16.90	6.85	3378	3331	2979
10/19/24 13:00	6.86	268.65	13.53	4.52	16.26	21.74	23.34	41.78	1.14	424.61	422.74	16.91	6.81	3344	3375	2979
10/19/24 14:00	6.87	269.26	13.91	4.55	16.29	22.42	22.50	41.77	1.14	424.27	418.07	16.93	6.77	3315	3372	2979
10/19/24 15:00	6.89	271.43	13.78	4.53	16.33	22.18	22.12	41.76	1.14	426.01	419.19	16.91	6.84	3317	3346	2979
10/19/24 16:00	6.78	271.20	14.07	4.56	16.30	22.70	22.43	41.76	1.13	426.52	425.47	16.91	6.84	3362	3326	2980
10/19/24 17:00	6.89	271.31	14.70	4.56	16.24	23.70	22.86	41.75	1.13	428.14	429.13	16.89	6.87	3385	3332	2980
10/19/24 18:00	6.92	274.90	15.68	4.53	16.12	25.15	23.85	41.74	1.13	430.01	426.58	16.87	6.95	3357	3355	2980
10/19/24 19:00	6.84	274.55	14.72	4.27	16.17	23.19	24.01	41.74	1.14	426.42	432.01	16.92	6.81	3419	3368	2980
10/19/24 20:00	6.96	273.15	13.60	4.10	16.09	21.13	23.16	41.73	1.13	425.60	425.83	16.94	6.60	3346	3387	2980
10/19/24 21:00	6.91	265.63	13.71	4.06	16.19	21.27	21.86	41.72	1.13	426.10	422.38	16.95	6.50	3303	3374	2980
10/19/24 22:00	6.78	261.41	12.90	4.06	16.23	20.02	20.81	41.71	1.13	425.43	417.92	16.93	6.49	3244	3356	2980
10/19/24 23:00	6.76	261.64	12.21	4.10	16.31	19.03	20.11	41.70	1.14	424.70	421.43	16.95	6.39	3273	3297	2981
10/20/24 0:00	6.75	262.35	14.10	4.63	16.14	22.85	20.63	41.70	1.13	424.25	420.07	16.93	6.48	3254	3273	2981
10/20/24 1:00	6.83	262.58	12.49	4.69	16.19	20.33	20.74	41.69	1.13	423.60	411.03	16.98	6.44	3241	3257	2981
10/20/24 2:00	6.79	263.38	13.66	4.55	16.02	21.93	21.70	41.68	1.14	421.11	400.68	17.02	6.43	3195	3256	2981
10/20/24 3:00	6.86	263.53	12.76	4.17	15.98	19.90	20.72	41.67	1.14	419.86	387.16	17.05	6.33	3106	3230	2981
10/20/24 4:00	6.77	264.40	13.25	4.22	15.95	20.72	20.85	41.66	1.14	417.90	382.43	17.02	6.29	3020	3181	2981
10/20/24 5:00	6.96	265.98	13.67	4.20	15.99	21.35	20.66	41.66	1.14	417.13	377.21	16.99	6.19	2921	3107	2981
10/20/24 6:00	6															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
10/21/24 0:00	6.62	262.21	15.83	4.63	16.19	25.69	21.34	41.51	1.11	422.74	370.77	17.00	6.27	2900	2959	2981
10/21/24 1:00	6.64	263.26	14.28	4.81	16.27	23.48	23.37	41.51	1.12	421.85	365.95	17.01	6.19	2855	2925	2981
10/21/24 2:00	6.74	263.94	13.56	4.18	16.34	21.27	23.48	41.50	1.12	420.46	362.52	16.87	6.16	2687	2887	2981
10/21/24 3:00	6.74	264.55	13.81	4.08	16.39	21.51	22.09	41.49	1.11	421.28	365.23	16.90	6.24	2750	2814	2981
10/21/24 4:00	6.68	265.56	14.94	4.08	16.40	23.28	22.02	41.48	1.12	421.93	367.04	17.08	6.16	2935	2764	2981
10/21/24 5:00	6.66	265.78	15.78	4.11	16.45	24.68	23.15	41.48	1.12	419.42	354.23	16.94	6.07	2668	2791	2981
10/21/24 6:00	6.71	265.66	16.78	4.75	16.44	27.58	25.18	41.47	1.12	418.74	353.59	16.95	6.13	2687	2784	2981
10/21/24 7:00	6.83	266.44	16.48	4.96	16.91	27.71	26.66	41.47	1.12	419.03	348.38	17.03	6.07	2711	2763	2981
10/21/24 8:00	7.07	267.56	16.04	4.26	16.62	25.44	26.91	41.46	1.12	418.38	345.01	17.02	6.05	2678	2688	2981
10/21/24 9:00	6.96	268.18	16.60	4.18	16.58	26.12	26.42	41.46	1.11	419.34	350.00	17.02	6.12	2728	2692	2980
10/21/24 10:00	6.84	267.91	16.49	4.18	16.61	25.98	25.85	41.45	1.11	422.23	371.47	17.01	6.22	2909	2706	2980
10/21/24 11:00	6.87	268.24	16.20	4.15	16.65	25.49	25.87	41.45	1.11	424.84	366.50	17.04	6.27	2910	2772	2980
10/21/24 12:00	6.77	268.86	16.70	4.99	16.48	27.97	26.48	41.44	1.11	425.42	358.40	17.02	6.51	2880	2849	2980
10/21/24 13:00	7.15	269.32	15.73	4.99	16.56	26.40	26.62	41.43	1.10	424.46	371.20	17.04	6.48	2999	2900	2980
10/21/24 14:00	7.05	270.33	15.23	4.29	16.52	24.16	26.18	41.43	1.09	424.07	363.45	17.04	6.52	2943	2930	2980
10/21/24 15:00	6.94	270.35	16.51	4.15	16.64	25.96	25.50	41.42	1.09	425.91	358.38	17.04	6.60	2918	2941	2980
10/21/24 16:00	6.59	269.55	14.82	4.13	16.68	23.28	24.47	41.42	1.08	428.16	373.66	17.03	6.60	3033	2954	2980
10/21/24 17:00	6.48	268.54	14.55	4.15	16.60	22.88	24.04	41.41	1.09	427.97	367.86	17.03	6.63	2994	2965	2980
10/21/24 18:00	6.62	267.88	16.49	4.86	16.53	27.39	24.52	41.40	1.09	427.00	366.37	17.04	6.63	2997	2982	2980
10/21/24 19:00	6.68	268.98	15.55	4.37	16.61	24.88	25.05	41.40	1.09	426.49	358.05	17.07	6.53	2943	3008	2980
10/21/24 20:00	6.74	270.28	15.50	3.82	16.57	23.77	25.35	41.39	1.10	425.38	354.05	17.05	6.49	2869	2978	2980
10/21/24 21:00	6.87	266.47	14.69	3.82	16.69	22.56	23.74	41.38	1.10	424.15	348.64	17.05	6.44	2816	2936	2980
10/21/24 22:00	6.60	265.78	14.95	3.92	16.66	23.13	23.16	41.38	1.10	422.87	348.09	17.01	6.47	2776	2876	2980
10/21/24 23:00	6.70	263.49	16.71	3.97	16.76	25.98	23.89	41.37	1.10	424.36	359.07	16.99	6.60	2878	2821	2980
10/22/24 0:00	6.73	267.27	17.39	4.86	16.80	29.00	26.04	41.37	1.11	425.40	371.79	17.03	6.60	3022	2824	2980
10/22/24 1:00	6.49	267.28	16.61	4.51	16.79	26.94	27.31	41.36	1.10	425.26	366.61	17.04	6.61	2993	2892	2980
10/22/24 2:00	6.83	266.13	17.65	4.05	16.87	27.65	27.86	41.36	1.10	424.43	363.26	17.05	6.58	2967	2965	2980
10/22/24 3:00	6.74	261.54	18.55	4.07	16.83	29.07	27.89	41.35	1.11	423.96	361.13	17.06	6.54	2952	2994	2980
10/22/24 4:00	6.73	260.48	17.91	3.98	16.74	27.85	28.19	41.35	1.11	424.22	366.15	17.03	6.56	2971	2970	2980
10/22/24 5:00	6.47	261.00	18.26	3.98	16.62	28.36	28.42	41.34	1.11	423.68	358.41	17.06	6.48	2920	2963	2980
10/22/24 6:00	6.47	262.90	18.44	4.84	16.45	30.57	28.92	41.34	1.11	421.39	355.99	17.10	6.33	2912	2948	2980
10/22/24 7:00	6.44	265.16	17.56	4.34	16.60	28.02	28.98	41.33	1.11	419.65	343.52	17.10	6.27	2794	2934	2980
10/22/24 8:00	6.52	267.74	17.27	3.98	16.64	26.82	28.47	41.33	1.10	419.24	334.80	17.09	6.22	2696	2875	2980
10/22/24 9:00	6.62	268.20	17.28	4.01	16.68	26.91	27.25	41.32	1.12	421.52	339.76	17.05	6.41	2737	2800	2980
10/22/24 10:00	6.69	268.14	16.69	4.02	16.68	26.02	26.58	41.32	1.12	423.01	342.15	17.06	6.47	2788	2742	2980
10/22/24 11:00	6.67	270.00	16.10	4.28	16.91	25.68	26.20	41.31	1.13	421.92	341.48	17.04	6.65	2800	2740	2980
10/22/24 12:00	6.70	267.39	18.21	5.05	16.50	30.66	27.45	41.31	1.06	422.93	347.99	17.03	6.73	2857	2775	2980
10/22/24 13:00	6.59	270.22	18.23	4.45	16.76	29.40	28.58	41.30	1.11	424.26	348.10	17.03	6.74	2857	2815	2980
10/22/24 14:00	6.54	272.01	18.51	4.03	16.71	28.88	29.65	41.30	1.11	427.18	356.47	17.00	6.87	2924	2838	2980
10/22/24 15:00	6.48	271.38	17.52	3.99	16.69	27.25	28.51	41.29	1.10	428.49	384.52	17.00	6.89	3159	2880	2979
10/22/24 16:00	6.47	269.10	17.68	3.98	16.62	27.43	27.85	41.29	1.09	429.79	383.97	17.04	6.73	3163	2980	2980
10/22/24 17:00	6.36	266.83	19.10	4.04	16.85	29.88	28.19	41.28	1.10	425.99	359.59	17.10	6.54	2993	3082	2980
10/22/24 18:00	6.38	265.48	19.84	4.98	16.91	33.46	30.26	41.28	1.08	423.20	357.32	17.12	6.40	2958	3105	2980
10/22/24 19:00	6.49	265.91	17.52	4.48	16.80	28.50	30.61	41.28	1.08	423.29	357.57	17.10	6.39	2939	3038	2980
10/22/24 20:00	6.57	266.40	16.01	3.87	16.73	24.69	28.88	41.27	1.10	424.90	349.50	17.08	6.55	2884	2963	2980
10/22/24 21:00	6.67	266.79	10.57	3.85	16.62	16.26	23.15	41.26	1.10	424.95	348.79	17.08	6.55	2878	2927	2980
10/22/24 22:00	6.65	266.64	0.00	3.85	16.60	0.00	13.65	41.25	1.10	424.37	347.39	17.09	6.54	2872	2900	2980
10/22/24 23:00	6.73	266.19	2.48	3.85	16.60	3.81	6.69	41.23	1.09	423.59	347.30	17.06	6.60	2861	2878	2980
10/23/24 0:00	6.58	264.70	20.36	4.99	16.42	34.18	12.66	41.23	1.11	422.94	360.21	17.06	6.58	2955	2870	2979
10/23/24 1:00	6.68	263.52	19.28	4.30	16.40	30.60	22.86	41.23	1.11	421.44	359.97	17.07	6.55	2963	2896	2979
10/23/24 2:00	7.03	262.60	18.10	4.11	16.43	28.28	31.02	41.22	1.10	421.05	355.19	17.05	6.57	2903	2926	2979
10/23/24 3:00	7.06	262.45	17.51	4.15	16.48	27.46	28.78	41.22	1.10	422.16	352.93	17.06	6.53	2885	2940	2979
10/23/24 4:00	6.99	262.12	15.46	4.08	16.57	24.15	26.63	41.21	1.10	420.60	347.54	17.11	6.35	2858	2917	2979
10/23/24 5:00	6.59	261.32	15.75	4.16	16.46	24.71	25.44	41.20	1.10	418.05	337.69	17.13	6.33	2788	2882	2979
10/23/24 6:00	6.58	262.60	16.33	5.07	16.27	27.51	25.46	41.20	1.10	414.82	311.56	17.16	6.35	2607	2844	2979
10/23/24 7:00	6.65	263.93	16.79	4.77	16.31	27.55	26.59	41.19	1.10	412.41	302.52	17.18	6.25	2531	2751	2979
10/23/24 8:00	6.78	264.91	17.92	4.53	16.51	28.94	28.00	41.19	1.09	411.54	296.21	17.17	6.19	2459	2642	2979
10/23/24 9:00	7.03	266.59	17.98	4.50	16.17	28.81	28.43	41.19	1.09	411.98	293.08	17.17	6.19	2434	2532	2979
10/23/24 10:00	6.91	268.64	18.20	4.19	16.52	28.66	28.80	41.18	1.08	414.09	294.46	17.15	6.23	2430	2475	2979
10/23/24 11:00	6.63	269.64	18.60	4.18	16.50	29.24	28.90	41.18	1.09	417.44	307.82	17.12	6.19	2501	2441	2978
10/23/24 12:00	6.66	268.94	20.31	5.13	16.37	34.35	30.75	41.17	1.08	419.09	310.95	17.06	6.14	2466	2455	2978
10/23/24 13:00	6.66	275.56	19.63	4.60	16.51	31.86	31.82	41.17	1.09	419.84	314.32	16.92	6.13	2362	2466	2978
10/23/24 14:00	6.56	277.67	20.33	4.18	16.50	31.97	32.73	41.17	1.08	419.05	315.20	16.70	6.16	2203	2443	2978
10/23/24 15:00	6.65	277.43	20.19	4.21	16.45	31.79	31.87	41.16	1.10	418.11	312.73	16.70	6.17	2190	2343	2978
10/23/24 16:00	6.75	271.65	20.59	4.25	16.41	32.49	32.08	41.16	1.10	418.78	313.09	16.85	6.28	2325	2252	2977
10/23/24 17:00	6.84	269.66	19.83	4.26	16.40	31.32	31.87	41.16	1.15	418.04	322.41	17.03	6.29	2561	2239	2977
10/23/24 18:00	6.															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
10/24/24 12:00	6.73	260.71	24.84	4.79	16.72	41.07	39.59	41.14	1.14	422.23	390.76	17.04	6.19	3085	2840	2976
10/24/24 13:00	6.73	261.99	23.71	4.95	16.79	39.75	40.26	41.14	1.16	422.18	380.70	17.06	6.20	3029	2900	2976
10/24/24 14:00	6.75	261.64	21.64	4.57	16.75	35.18	38.67	41.14	1.15	422.55	357.87	17.05	6.19	2832	2868	2976
10/24/24 15:00	6.70	262.12	23.37	4.29	16.73	37.21	37.38	41.14	1.15	422.02	363.85	17.14	6.13	2963	2982	2976
10/24/24 16:00	6.75	262.37	21.51	4.32	16.73	34.32	35.57	41.14	1.13	422.79	380.16	17.08	6.25	3058	2941	2976
10/24/24 17:00	6.83	262.00	21.32	4.30	16.77	33.97	35.17	41.13	1.14	423.66	388.77	17.05	6.31	3108	2951	2976
10/24/24 18:00	6.77	264.73	24.32	4.91	16.53	40.59	36.29	41.13	1.13	424.90	386.56	17.03	6.35	3081	3043	2976
10/24/24 19:00	7.04	264.69	18.43	4.71	16.57	30.59	35.05	41.13	1.13	425.01	382.04	17.03	6.36	3047	3082	2976
10/24/24 20:00	7.18	264.04	12.16	4.36	16.58	19.41	30.19	41.12	1.14	422.30	385.15	17.04	6.35	3084	3079	2976
10/24/24 21:00	7.13	266.09	10.78	4.33	16.69	17.20	22.40	41.11	1.14	419.89	407.28	17.04	6.28	3237	3071	2976
10/24/24 22:00	6.93	263.95	9.48	4.28	16.89	15.11	17.24	41.10	1.14	417.84	376.55	17.05	6.22	2989	3123	2977
10/24/24 23:00	6.54	263.28	10.71	4.38	16.91	17.22	16.51	41.10	1.15	418.15	384.81	17.03	6.22	3032	3103	2977
10/25/24 0:00	6.59	263.77	13.87	4.63	16.73	22.67	18.33	41.09	1.14	417.73	397.87	17.05	6.20	3155	3086	2977
10/25/24 1:00	6.56	264.04	14.18	4.67	16.85	23.27	21.05	41.08	1.19	415.29	388.01	17.05	6.16	3069	3059	2977
10/25/24 2:00	6.57	263.74	16.33	4.66	16.92	26.82	24.25	41.08	1.17	414.89	386.65	17.04	6.16	3045	3085	2977
10/25/24 3:00	6.50	263.14	16.20	4.69	16.93	26.67	25.59	41.07	1.17	414.50	383.63	17.05	6.13	3027	3089	2977
10/25/24 4:00	6.57	264.46	14.81	4.70	17.01	24.43	25.97	41.07	1.15	415.03	381.92	17.04	6.14	3003	3047	2977
10/25/24 5:00	6.56	263.38	10.71	4.51	17.04	17.44	22.85	41.06	1.15	415.73	378.40	17.05	6.13	2981	3025	2977
10/25/24 6:00	6.48	265.72	11.73	4.56	16.96	19.14	20.34	41.05	1.15	414.81	379.79	17.05	6.10	2994	3004	2977
10/25/24 7:00	6.55	269.42	12.07	4.56	17.03	19.70	18.76	41.04	1.13	414.31	380.34	17.03	6.15	2986	2993	2977
10/25/24 8:00	6.58	269.17	10.38	4.68	17.04	17.09	18.64	41.03	1.14	415.10	382.20	16.99	6.22	2973	2987	2977
10/25/24 9:00	6.83	269.94	8.04	4.92	16.89	13.47	16.75	41.02	1.15	418.56	396.63	16.97	6.35	3086	2985	2977
10/25/24 10:00	7.05	264.58	8.24	4.80	16.68	13.64	14.73	41.01	1.15	421.26	415.20	16.95	6.39	3220	3015	2977
10/25/24 11:00	7.00	263.71	7.67	4.68	16.67	12.56	13.22	41.00	1.15	423.21	415.95	16.93	6.41	3207	3093	2977
10/25/24 12:00	7.25	263.57	8.80	4.61	16.63	14.33	13.51	40.99	1.14	422.87	392.74	16.98	6.35	3071	3171	2977
10/25/24 13:00	7.09	264.55	6.75	4.74	16.59	11.10	12.66	40.98	1.14	422.61	393.08	16.97	6.42	3079	3166	2977
10/25/24 14:00	7.33	264.14	8.14	4.78	16.45	13.38	12.94	40.97	1.13	424.53	393.06	16.96	6.42	3068	3119	2977
10/25/24 15:00	7.43	263.92	9.61	4.77	16.41	15.79	13.42	40.96	1.13	426.18	396.33	16.96	6.45	3099	3073	2977
10/25/24 16:00	7.37	264.64	9.93	4.79	16.39	16.33	15.17	40.96	1.13	426.84	387.80	16.95	6.53	3036	3082	2977
10/25/24 17:00	7.33	263.18	11.35	4.68	16.45	18.53	16.88	40.95	1.13	426.90	392.95	16.94	6.56	3077	3068	2977
10/25/24 18:00	7.04	263.67	12.29	4.71	16.34	20.06	18.31	40.94	1.12	424.78	390.80	16.94	6.56	3062	3071	2977
10/25/24 19:00	6.98	264.37	16.60	4.57	16.52	26.76	21.78	40.94	1.13	423.09	382.46	16.94	6.49	2978	3058	2977
10/25/24 20:00	7.07	266.83	19.71	4.42	16.62	31.62	26.15	40.93	1.13	420.53	370.60	16.88	6.42	2814	3039	2977
10/25/24 21:00	6.94	270.12	18.57	4.43	16.64	29.83	29.40	40.93	1.13	418.79	363.36	16.79	6.32	2648	2951	2977
10/25/24 22:00	6.85	269.35	18.29	4.49	16.55	29.47	30.31	40.92	1.14	417.46	358.17	16.86	6.28	2667	2813	2977
10/25/24 23:00	6.92	270.57	17.62	4.52	16.54	28.44	29.25	40.92	1.14	416.38	354.06	16.85	6.24	2619	2709	2977
10/26/24 0:00	6.90	268.85	20.82	4.75	16.46	34.18	30.70	40.92	1.14	416.41	350.18	16.93	6.23	2666	2644	2977
10/26/24 1:00	6.89	268.42	21.06	4.77	16.57	34.67	32.43	40.91	1.14	416.10	350.97	16.96	6.17	2688	2650	2977
10/26/24 2:00	6.91	269.51	20.63	4.74	16.55	33.88	34.25	40.91	1.14	415.14	346.76	17.00	6.10	2680	2657	2977
10/26/24 3:00	6.94	268.25	18.59	4.80	16.39	30.59	33.05	40.91	1.15	413.66	341.85	16.99	5.98	2610	2678	2976
10/26/24 4:00	6.98	267.13	21.18	4.78	16.40	34.81	33.09	40.91	1.14	412.71	341.02	16.98	5.95	2584	2659	2976
10/26/24 5:00	6.99	262.34	21.17	4.74	16.43	34.70	33.37	40.90	1.15	412.10	341.34	17.01	5.92	2613	2624	2976
10/26/24 6:00	7.05	260.24	22.30	4.76	16.21	36.50	35.33	40.90	1.15	410.81	337.34	17.01	5.86	2563	2602	2976
10/26/24 7:00	7.30	259.87	24.81	4.80	16.31	40.80	37.33	40.90	1.15	410.79	339.29	17.00	5.92	2583	2587	2976
10/26/24 8:00	7.15	260.67	27.47	4.88	16.46	45.58	40.96	40.90	1.15	411.52	338.59	16.99	6.02	2595	2586	2976
10/26/24 9:00	7.49	261.31	28.88	4.86	16.50	47.87	44.75	40.91	1.15	412.40	342.94	17.01	6.11	2656	2580	2976
10/26/24 10:00	7.54	264.41	29.47	4.87	16.29	48.69	47.38	40.91	1.15	413.99	348.39	17.05	6.09	2741	2611	2975
10/26/24 11:00	7.46	266.11	30.70	4.84	16.30	50.63	49.06	40.91	1.16	414.07	347.80	17.08	6.02	2754	2664	2975
10/26/24 12:00	7.39	266.87	34.05	4.81	16.25	55.93	51.75	40.92	1.16	413.18	339.99	17.08	6.00	2685	2717	2975
10/26/24 13:00	7.20	268.13	31.02	4.81	16.35	51.06	52.54	40.92	1.15	414.35	344.67	17.07	6.10	2736	2727	2975
10/26/24 14:00	7.04	267.88	31.38	4.87	16.28	51.84	52.94	40.93	1.18	413.08	343.23	17.12	6.02	2751	2725	2975
10/26/24 15:00	7.17	268.28	35.53	4.80	16.38	58.46	53.79	40.93	1.17	413.23	342.87	17.14	5.89	2750	2724	2975
10/26/24 16:00	7.02	268.50	36.84	4.75	16.47	60.51	56.94	40.94	1.20	412.33	341.75	17.14	5.93	2751	2746	2975
10/26/24 17:00	6.99	266.83	37.19	4.71	16.46	60.85	59.94	40.95	1.20	413.41	351.82	17.11	6.02	2819	2751	2975
10/26/24 18:00	6.95	266.65	38.05	4.67	16.32	61.95	61.10	40.95	1.15	415.44	358.90	17.12	5.97	2867	2773	2975
10/26/24 19:00	6.97	266.55	28.38	4.51	16.40											

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
10/28/24 0:00	7.21	261.68	39.64	4.87	16.50	65.86	54.06	40.78	1.12	415.16	356.81	17.19	5.98	2939	2838	2972
10/28/24 1:00	7.12	263.58	41.06	5.06	16.54	69.19	62.04	40.79	1.14	415.57	356.20	17.17	6.07	2929	2869	2972
10/28/24 2:00	7.40	262.95	41.01	5.00	16.57	68.78	67.94	40.80	1.12	415.52	354.28	17.21	6.00	2935	2903	2972
10/28/24 3:00	7.28	263.12	40.47	4.98	16.56	67.74	68.57	40.81	1.14	414.93	352.27	17.19	6.03	2912	2935	2972
10/28/24 4:00	7.32	265.23	39.77	4.83	16.59	65.83	67.45	40.82	1.21	411.76	342.57	17.15	6.28	2841	2925	2972
10/28/24 5:00	7.07	268.08	41.15	4.68	16.61	67.36	66.98	40.83	1.24	409.00	334.23	17.14	6.32	2775	2896	2972
10/28/24 6:00	7.13	269.16	41.28	4.76	16.54	67.93	67.04	40.84	1.24	406.55	324.37	17.15	6.26	2691	2843	2972
10/28/24 7:00	7.19	269.04	38.08	4.82	16.61	63.00	66.10	40.84	1.25	404.79	320.06	17.17	6.14	2648	2769	2972
10/28/24 8:00	7.21	267.15	40.00	5.00	16.67	67.24	66.06	40.85	1.23	404.65	319.57	17.11	6.06	2567	2705	2972
10/28/24 9:00	7.37	267.39	40.64	5.05	16.49	68.37	66.20	40.86	1.25	405.17	315.36	17.11	6.10	2536	2635	2972
10/28/24 10:00	7.35	266.33	39.60	4.80	16.62	65.46	67.02	40.87	1.25	405.38	321.42	17.10	6.12	2577	2584	2972
10/28/24 11:00	7.05	267.12	40.52	4.77	16.62	66.81	66.88	40.88	1.24	407.54	330.73	17.05	6.23	2626	2560	2972
10/28/24 12:00	6.93	265.02	44.74	4.85	16.39	73.92	68.73	40.89	1.24	409.34	330.09	17.04	6.27	2627	2580	2971
10/28/24 13:00	7.11	269.04	41.37	4.78	16.53	68.14	69.62	40.90	1.23	409.58	336.51	17.05	6.19	2667	2610	2971
10/28/24 14:00	6.97	269.76	38.03	4.92	16.36	63.16	68.41	40.91	1.21	412.53	347.08	16.97	6.33	2696	2640	2971
10/28/24 15:00	7.18	270.14	39.04	4.85	16.33	64.48	65.26	40.92	1.24	412.42	341.72	17.02	6.29	2700	2663	2971
10/28/24 16:00	7.09	267.24	36.96	4.82	16.33	60.88	62.84	40.92	1.24	411.00	344.09	17.03	6.28	2729	2688	2971
10/28/24 17:00	6.95	265.16	40.25	4.75	16.24	65.85	63.74	40.93	1.23	410.18	340.32	17.04	6.29	2706	2708	2971
10/28/24 18:00	7.29	265.76	38.92	4.75	16.14	63.53	63.42	40.94	1.23	411.07	342.35	17.01	6.36	2710	2712	2971
10/28/24 19:00	7.23	266.71	26.53	4.61	16.34	43.20	57.53	40.94	1.21	411.78	339.41	17.01	6.37	2682	2715	2971
10/28/24 20:00	6.99	268.07	22.62	4.43	16.42	36.21	47.65	40.94	1.15	414.98	343.13	16.99	6.40	2703	2699	2971
10/28/24 21:00	7.26	268.99	20.95	4.41	16.51	33.52	37.64	40.94	1.14	417.89	341.22	16.98	6.41	2679	2698	2971
10/28/24 22:00	7.29	265.80	21.86	4.46	16.66	35.21	34.98	40.94	1.15	417.65	338.63	16.97	6.44	2660	2688	2970
10/28/24 23:00	7.41	262.11	21.86	4.46	16.80	35.28	34.67	40.93	1.13	420.95	341.87	16.96	6.41	2662	2681	2970
10/29/24 0:00	7.29	264.01	19.15	4.61	16.79	31.26	33.92	40.93	1.12	423.29	337.56	16.97	6.41	2641	2667	2970
10/29/24 1:00	7.10	263.45	15.97	4.60	16.98	26.12	30.89	40.93	1.13	423.15	344.66	16.98	6.42	2709	2655	2970
10/29/24 2:00	6.90	265.46	13.19	4.62	16.94	21.61	26.33	40.92	1.20	416.73	350.62	17.04	6.24	2783	2671	2970
10/29/24 3:00	6.76	265.33	14.44	4.63	16.97	23.68	23.80	40.91	1.20	413.58	365.91	17.04	6.17	2887	2711	2970
10/29/24 4:00	6.82	263.47	11.18	4.69	16.81	18.36	21.22	40.90	1.20	412.23	363.77	17.06	6.12	2875	2793	2970
10/29/24 5:00	7.01	266.65	7.02	4.62	16.73	11.46	17.84	40.89	1.16	412.05	365.62	17.06	6.10	2890	2849	2970
10/29/24 6:00	7.00	268.66	10.02	4.68	16.67	16.43	15.42	40.89	1.19	411.64	376.51	17.06	6.11	2975	2884	2970
10/29/24 7:00	6.99	265.51	9.63	4.75	16.77	15.89	14.59	40.88	1.17	411.39	379.79	17.04	6.15	2994	2913	2970
10/29/24 8:00	7.01	267.43	9.85	4.74	16.81	16.24	16.19	40.87	1.13	414.28	383.88	17.00	6.32	3015	2953	2970
10/29/24 9:00	6.98	268.30	8.40	4.76	16.76	13.86	15.33	40.86	1.12	412.63	440.23	16.99	6.45	3481	2995	2970
10/29/24 10:00	7.08	262.41	9.75	4.66	16.86	15.99	15.37	40.85	1.13	410.64	400.88	16.95	6.66	3172	3163	2970
10/29/24 11:00	6.97	264.02	11.94	4.66	17.10	19.69	16.51	40.84	1.13	410.70	363.80	16.94	6.78	2900	3222	2970
10/29/24 12:00	7.10	259.42	11.69	4.54	16.90	19.01	18.23	40.84	1.13	410.32	372.08	16.92	6.81	2950	3184	2970
10/29/24 13:00	7.24	259.99	8.52	4.52	16.86	13.82	17.50	40.83	1.14	417.69	381.46	16.90	6.82	3001	3007	2970
10/29/24 14:00	7.12	261.21	9.39	4.49	16.92	15.23	16.02	40.82	1.16	418.35	376.50	16.90	6.83	2968	2950	2970
10/29/24 15:00	6.96	263.20	9.95	4.45	16.97	16.08	15.04	40.81	1.14	420.88	385.74	16.89	6.86	3036	2973	2970
10/29/24 16:00	6.74	267.61	11.79	4.43	17.03	19.05	16.78	40.80	1.19	420.39	424.68	16.91	6.81	3354	3001	2970
10/29/24 17:00	6.65	269.29	12.69	4.48	17.05	20.59	18.57	40.80	1.18	418.77	408.31	16.92	6.77	3224	3119	2970
10/29/24 18:00	6.79	268.28	11.82	4.49	17.02	19.17	19.60	40.79	1.18	418.79	402.79	16.92	6.77	3186	3205	2970
10/29/24 19:00	6.80	269.35	19.78	4.31	17.08	31.59	23.78	40.78	1.18	418.23	390.64	16.95	6.71	3101	3255	2970
10/29/24 20:00	6.77	269.60	26.72	4.27	17.01	42.64	31.13	40.79	1.16	418.00	391.90	16.93	6.74	3096	3170	2970
10/29/24 21:00	6.89	269.21	26.48	4.29	17.08	42.37	38.87	40.79	1.18	418.49	390.29	16.93	6.72	3085	3128	2971
10/29/24 22:00	6.58	269.04	25.46	4.30	17.10	40.79	41.93	40.79	1.15	420.00	399.02	16.90	6.82	3139	3094	2971
10/29/24 23:00	6.21	266.94	25.12	4.35	17.16	40.44	41.20	40.79	1.13	421.27	404.63	16.91	6.82	3192	3107	2971
10/30/24 0:00	6.29	269.73	27.60	5.65	17.05	49.56	43.60	40.79	1.12	423.15	406.84	16.91	6.82	3217	3139	2971
10/30/24 1:00	6.33	266.18	27.71	4.75	17.11	46.02	45.34	40.79	1.13	424.15	407.99	16.91	6.82	3218	3183	2971
10/30/24 2:00	6.36	264.88	27.56	4.55	17.07	44.99	46.86	40.79	1.11	425.65	410.87	16.89	6.85	3236	3209	2971
10/30/24 3:00	6.33	260.22	27.45	4.53	17.13	44.79	45.27	40.79	1.12	427.44	413.90	16.92	6.84	3285	3223	2971
10/30/24 4:00	6.26	259.30	26.94	4.58	17.06	44.05	44.61	40.79	1.12	424.98	410.20	16.93	6.81	3262	3246	2971
10/30/24 5:00	6.35	260.79</														

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
10/31/24 12:00	6.48	267.93	16.19	5.72	16.58	28.76	27.36	40.76	1.10	422.94	402.85	16.89	7.07	3217	3241	2971
10/31/24 13:00	6.48	269.08	15.76	5.50	16.54	27.52	28.78	40.76	1.10	423.76	391.50	16.89	7.04	3127	3227	2972
10/31/24 14:00	6.76	269.70	19.34	4.87	16.49	32.07	29.45	40.76	1.12	422.30	385.72	16.99	6.71	3111	3182	2972
10/31/24 15:00	6.63	270.23	17.61	4.86	16.43	29.14	29.58	40.75	1.13	420.17	428.50	17.00	7.02	3575	3151	2972
10/31/24 16:00	6.53	267.32	18.55	4.91	16.23	30.72	30.64	40.75	1.13	419.17	446.37	17.04	7.70	3994	3271	2972
10/31/24 17:00	6.63	270.96	17.26	4.95	16.06	28.59	29.48	40.74	1.14	418.52	456.96	17.08	8.18	4359	3560	2972
10/31/24 18:00	6.70	274.82	14.95	5.88	15.94	26.76	28.69	40.74	1.11	420.07	460.10	17.11	8.77	4708	3976	2973
10/31/24 19:00	6.74	276.15	14.79	5.38	16.08	25.47	26.94	40.73	1.12	419.87	466.63	17.06	9.38	4984	4354	2973
10/31/24 20:00	6.66	272.87	14.66	4.69	16.14	23.83	25.36	40.73	1.13	420.60	474.44	17.06	10.00	5403	4684	2974
10/31/24 21:00	6.53	272.16	15.34	4.69	16.21	24.95	24.75	40.72	1.15	416.07	473.36	16.86	10.37	5089	5032	2975
10/31/24 22:00	6.60	267.72	16.60	4.67	16.29	27.01	25.27	40.72	1.14	418.37	482.05	16.91	10.91	5629	5158	2976
10/31/24 23:00	6.51	265.24	15.65	4.67	16.20	25.43	25.80	40.71	1.15	419.21	479.28	17.09	10.98	6259	5373	2976
11/1/24 0:00	6.50	264.62	19.04	5.76	16.10	33.98	28.80	40.71	1.14	419.60	484.17	17.11	11.11	6550	5659	2978
11/1/24 1:00	6.67	267.04	23.16	5.35	16.15	39.73	33.04	40.71	1.14	418.12	478.99	17.18	10.95	6622	6146	2979
11/1/24 2:00	6.51	267.65	22.58	4.86	16.09	37.15	36.95	40.71	1.14	417.11	483.02	17.12	10.87	6360	6477	2980
11/1/24 3:00	6.58	264.09	23.76	4.85	16.12	39.08	38.65	40.71	1.15	416.41	478.65	17.15	10.68	6260	6511	2981
11/1/24 4:00	6.57	265.58	17.87	4.94	15.98	29.53	35.25	40.70	1.15	414.12	473.54	17.16	10.28	5918	6414	2982
11/1/24 5:00	6.81	266.71	15.29	5.00	15.94	25.37	31.33	40.70	1.15	409.19	456.82	17.09	9.63	5109	6180	2983
11/1/24 6:00	6.87	266.41	20.94	5.86	15.83	37.51	30.80	40.70	1.15	407.38	449.11	17.06	9.43	4806	5762	2984
11/1/24 7:00	6.89	265.50	22.57	5.96	16.23	40.82	34.57	40.70	1.14	407.98	445.58	17.10	9.38	4858	5278	2985
11/1/24 8:00	6.77	263.28	22.33	5.15	15.95	37.52	38.61	40.70	1.15	407.52	449.71	17.07	8.86	4579	4924	2985
11/1/24 9:00	6.63	264.58	23.08	5.14	15.90	38.73	39.02	40.70	1.15	409.12	393.66	17.16	5.39	3049	4747	2986
11/1/24 10:00	6.65	263.53	23.66	5.05	16.01	39.46	38.57	40.70	1.15	409.89	388.26	17.21	5.52	3104	4162	2986
11/1/24 11:00	6.54	263.27	23.70	4.90	16.12	39.15	39.12	40.70	1.15	410.06	384.88	17.23	5.58	3110	3577	2986
11/1/24 12:00	6.53	265.84	29.03	5.70	16.06	51.35	43.32	40.70	1.16	407.27	385.14	17.25	5.52	3120	3088	2986
11/1/24 13:00	6.57	265.05	28.33	5.67	16.18	49.93	46.81	40.70	1.15	405.46	378.96	17.17	5.47	2970	3111	2986
11/1/24 14:00	6.54	265.89	28.79	4.85	16.20	47.46	49.58	40.71	1.16	406.85	381.84	17.19	5.62	3046	3067	2986
11/1/24 15:00	6.45	264.66	26.67	4.84	16.20	43.90	47.10	40.71	1.16	406.35	369.77	17.12	5.02	2751	3045	2986
11/1/24 16:00	6.47	268.36	26.13	4.92	16.09	43.19	44.85	40.71	1.16	406.80	367.38	17.12	4.92	2707	2922	2986
11/1/24 17:00	6.62	269.30	25.91	4.89	16.14	42.77	43.29	40.71	1.17	406.02	370.63	17.11	4.96	2736	2835	2986
11/1/24 18:00	6.53	269.13	28.04	5.68	16.04	49.39	45.12	40.71	1.17	406.42	372.61	17.09	5.08	2747	2731	2986
11/1/24 19:00	6.65	267.06	22.38	5.29	16.21	38.54	43.57	40.71	1.18	406.89	372.50	17.08	5.22	2765	2730	2986
11/1/24 20:00	6.62	264.11	16.27	4.91	16.13	26.90	38.27	40.71	1.17	406.12	375.29	17.14	5.05	2811	2749	2985
11/1/24 21:00	6.78	261.32	16.28	4.97	16.11	27.04	30.82	40.70	1.18	404.77	374.08	17.16	4.95	2806	2774	2985
11/1/24 22:00	6.66	261.09	16.50	4.91	16.21	27.33	27.09	40.70	1.17	405.32	376.21	17.13	4.98	2799	2794	2985
11/1/24 23:00	6.33	261.23	15.25	4.93	16.26	25.30	26.55	40.69	1.19	406.55	389.44	17.11	5.09	2904	2805	2985
11/2/24 0:00	6.21	262.75	21.14	5.25	16.23	36.08	29.57	40.69	1.21	406.78	389.47	17.12	5.16	2929	2836	2985
11/2/24 1:00	6.14	264.49	23.52	5.41	16.30	40.61	33.99	40.69	1.22	406.81	394.80	17.12	5.24	2983	2877	2985
11/2/24 2:00	6.25	262.71	22.12	5.45	16.39	38.35	38.34	40.69	1.22	407.76	401.98	17.11	5.22	3021	2939	2985
11/2/24 3:00	6.27	263.29	22.43	5.48	16.34	38.97	39.31	40.69	1.21	408.72	414.24	17.09	5.21	3088	2978	2985
11/2/24 4:00	6.31	264.88	21.81	5.26	16.32	37.19	38.17	40.69	1.19	409.17	410.82	17.12	5.07	3065	3031	2985
11/2/24 5:00	6.34	264.94	19.55	5.10	16.29	32.90	36.35	40.68	1.20	407.93	406.14	17.12	5.03	3018	3058	2985
11/2/24 6:00	6.43	267.27	20.28	5.40	16.16	34.94	35.01	40.68	1.23	406.43	400.72	17.12	5.03	2983	3057	2985
11/2/24 7:00	6.51	266.53	24.72	5.60	16.41	43.49	37.11	40.68	1.22	406.70	391.66	17.09	5.47	2983	3022	2985
11/2/24 8:00	6.39	270.41	27.24	5.70	16.32	48.18	42.20	40.69	1.23	407.40	396.68	17.07	5.92	3103	2995	2985
11/2/24 9:00	6.58	270.26	24.33	5.58	16.18	42.52	44.73	40.69	1.25	408.01	409.83	17.07	5.96	3209	3023	2985
11/2/24 10:00	6.48	266.86	21.28	5.38	16.12	36.53	42.41	40.68	1.24	409.48	418.49	17.08	5.96	3292	3098	2985
11/2/24 11:00	6.59	263.48	19.67	5.28	16.09	33.47	37.51	40.68	1.22	410.19	443.07	17.09	5.95	3493	3202	2986
11/2/24 12:00	6.56	262.15	15.48	5.62	15.96	26.96	32.32	40.68	1.21	413.63	452.81	17.08	6.02	3584	3332	2986
11/2/24 13:00	6.61	262.77	15.86	5.73	16.03	27.98	29.47	40.67	1.20	416.10	431.16	17.09	6.04	3428	3456	2986
11/2/24 14:00	6.54	262.69	19.45	5.76	15.98	34.37	29.77	40.67	1.21	416.69	405.53	17.10	6.06	3245	3502	2986
11/2/24 15:00	6.74	263.52	23.30	5.60	16.01	40.64	34.33	40.67	1.21	416.83	395.61	17.11	6.08	3181	3419	2986
11/2/24 16:00	6.79	263.96	24.39	5.23	16.07	41.33	38.78	40.67	1.21	416.42	391.06	17.11	6.08	3145	3285	2986
11/2/24 17:00	6.77	265.04	22.48	5.08	16.17	37.70	39.89	40.67	1.21	416.59	391.81	17.10	6.11	3146	3190	2986
11/2/24 18:00	6.58	267.70	22.19	5.44	16.04	38.22	39.08	40.67	1.18	416.04	393.57	17.11	6.10	3164	3157	2986
11/2/24 19:00	6.54	265.41	18.05	5.13	16.21	30.44	35.45	40.67	1.18	416.84	403.60	17.10	6.11	3236	3152	2986
11/2/24 20:00	6.57	267.94	16.24	5.02	16.19	27.11	31.92	40.66	1.18	416.10	400.25	17.12	6.07	3222	3182	2986
11/2/24 21:00	6.50	266.53	17.41	5.07	16.19	29.18	28.91	40.66	1.21	412.98	400.68	17.12	6.03	3220	3208	2987
11/2/24 22:00	6.42	266.76	19.28	5.04	16.32	32.30	29.53	40.66	1.22	410.96	393.49	17.12	6.02	3163	3226	2987
11/2/24 23:00	6.49	268.14	19.72	5.05	16.30	33.06	31.52	40.65	1.25	409.60	389.85	17.13	5.98	3135	3202	2987
11/3/24 0:00	6.44	266.50	22.79	5.36	16.24	39.18	34.85	40.65	1.22	408.95	383.94	17.13	5.92	3070	3173	2987
11/3/24 1:00	6.31	266.02	26.90	5.46	16.20	46.56	39.60	40.65	1.22	408.85	381.95	17.14	5.89	3054	3123	2987
11/3/24 2:00	6.47	266.03	25.67	5.43	16.15	44.25	43.33	40.66	1.21	409.13	56.24	17.12	5.92	449	3086	2987
11/3/24 3:00	6.33	266.66	24.96	5.39	16.24	42.96	44.59	40.66	1.21	409.64	337.68	17.13	5.87	2686	2191	2986
11/3/24 4:00	6.36	264.83	25.61	5.39	16.17	44.02	43.74	40.66	1.19	410.47	378.67	17.14	5.87	3026	2063	2986
11/3/24 5:00	6.49	261.41	25.62	5.24	16.17	43.52	43.50	40.66	1.19	410.33	383.94	17.13	5.88	3061	2054	2986
11/3/24 6:00	6.46	259.80	28.68	5.30	16.13											

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
11/3/24 23:00	6.33	268.07	11.29	5.32	16.33	19.33	21.16	40.70	1.17	415.90	340.17	17.07	6.06	2689	2805	2986
11/4/24 0:00	6.37	265.19	9.20	5.45	16.49	16.00	19.16	40.69	1.17	416.41	336.57	17.07	6.01	2645	2744	2986
11/4/24 1:00	6.35	264.05	9.33	5.36	16.50	16.12	17.15	40.69	1.17	415.71	328.88	17.09	5.92	2589	2691	2986
11/4/24 2:00	6.27	265.37	9.88	4.98	16.46	16.52	16.21	40.68	1.16	416.37	321.91	17.09	5.94	2538	2641	2986
11/4/24 3:00	6.52	262.00	7.84	5.01	16.40	13.13	15.26	40.67	1.16	417.28	319.92	17.09	5.93	2524	2591	2986
11/4/24 4:00	6.71	263.04	2.79	5.09	16.36	4.69	11.45	40.66	1.16	416.64	314.30	17.12	5.90	2494	2551	2985
11/4/24 5:00	6.75	262.78	0.26	5.12	16.32	0.43	6.09	40.64	1.15	415.44	317.73	17.12	5.88	2525	2519	2985
11/4/24 6:00	6.70	263.61	7.38	5.54	16.29	12.98	6.03	40.64	1.14	417.26	319.89	17.11	5.93	2544	2515	2985
11/4/24 7:00	6.52	265.43	6.35	5.54	16.50	11.12	8.17	40.63	1.14	417.84	319.30	17.09	6.05	2543	2521	2985
11/4/24 8:00	6.42	264.66	4.69	5.51	16.37	8.17	10.75	40.62	1.13	418.00	323.00	17.07	6.26	2595	2538	2985
11/4/24 9:00	6.50	265.70	2.92	5.25	16.57	5.00	8.10	40.60	1.13	419.09	330.25	17.06	6.33	2652	2561	2985
11/4/24 10:00	6.43	265.66	0.40	5.12	16.46	0.68	4.62	40.59	1.14	419.73	341.21	17.04	6.39	2741	2597	2985
11/4/24 11:00	6.42	268.10	0.03	4.90	16.49	0.05	1.91	40.58	1.13	420.77	387.52	17.03	6.46	3112	2663	2984
11/4/24 12:00	6.39	269.11	0.27	5.16	16.38	0.45	0.39	40.56	1.16	422.90	430.09	17.02	6.49	3450	2835	2985
11/4/24 13:00	6.44	268.94	0.01	5.27	16.50	0.02	0.17	40.55	1.14	422.87	411.30	17.02	6.51	3303	3101	2985
11/4/24 14:00	6.44	269.75	0.02	5.18	16.61	0.03	0.17	40.54	1.12	423.14	395.78	17.01	6.53	3179	3288	2985
11/4/24 15:00	6.25	274.34	0.02	5.25	16.56	0.03	0.02	40.52	1.14	420.66	396.72	17.02	6.52	3194	3311	2985
11/4/24 16:00	6.43	275.08	0.01	5.05	16.56	0.02	0.03	40.51	1.17	418.12	387.08	17.05	6.45	3134	3225	2985
11/4/24 17:00	6.49	272.94	0.01	4.88	16.56	0.02	0.02	40.50	1.17	416.07	383.52	17.06	6.44	3108	3169	2985
11/4/24 18:00	6.47	268.30	0.02	5.19	16.51	0.03	0.02	40.48	1.16	416.37	384.64	17.04	6.50	3113	3145	2985
11/4/24 19:00	6.45	264.59	9.99	4.79	16.61	16.16	5.40	40.48	1.14	417.92	394.58	17.01	6.55	3171	3118	2985
11/4/24 20:00	6.41	263.23	16.20	4.60	16.65	26.39	14.19	40.47	1.13	419.29	400.16	17.01	6.56	3213	3131	2985
11/4/24 21:00	6.62	263.23	14.80	4.60	16.70	24.11	22.22	40.47	1.13	420.51	402.14	17.02	6.50	3231	3166	2985
11/4/24 22:00	6.53	263.40	14.52	4.72	16.60	23.84	24.78	40.46	1.14	418.62	389.29	17.09	6.34	3163	3205	2985
11/4/24 23:00	6.61	263.93	14.60	4.75	16.60	24.02	23.99	40.45	1.13	415.87	381.35	17.08	6.30	3079	3203	2985
11/5/24 0:00	6.64	264.94	16.00	5.46	16.52	27.89	25.25	40.45	1.12	416.02	380.75	17.08	6.32	3082	3158	2985
11/5/24 1:00	6.77	265.56	13.74	5.57	16.67	24.18	25.36	40.45	1.12	416.28	375.74	17.08	6.34	3052	3108	2985
11/5/24 2:00	6.82	264.11	13.57	4.97	16.59	22.72	24.93	40.44	1.12	417.38	375.84	17.05	6.40	3031	3071	2985
11/5/24 3:00	6.78	264.80	13.18	4.74	16.69	21.70	22.87	40.43	1.12	419.25	373.64	17.06	6.43	3028	3055	2985
11/5/24 4:00	6.51	266.77	13.33	4.73	16.69	21.94	22.12	40.43	1.11	420.56	373.28	17.05	6.44	3020	3037	2985
11/5/24 5:00	6.52	267.19	13.21	4.81	16.67	21.86	21.83	40.42	1.12	420.33	372.35	17.07	6.42	3027	3027	2985
11/5/24 6:00	6.51	266.41	16.09	5.42	16.56	28.00	23.93	40.42	1.13	418.27	373.06	17.08	6.41	3039	3025	2985
11/5/24 7:00	6.51	266.22	15.07	5.60	16.64	26.57	25.48	40.41	1.13	415.86	366.39	17.09	6.47	3021	3029	2985
11/5/24 8:00	6.48	267.82	15.38	5.03	16.96	26.03	26.87	40.41	1.13	414.26	358.30	17.12	6.46	2979	3029	2985
11/5/24 9:00	6.59	271.47	16.66	4.76	16.68	27.47	26.69	40.40	1.13	413.89	266.80	17.07	5.68	2123	3013	2985
11/5/24 10:00	6.40	269.94	16.96	4.75	16.66	27.94	27.15	40.40	1.14	411.23	343.30	17.14	6.37	2854	2707	2985
11/5/24 11:00	6.39	269.60	16.57	4.71	16.65	27.21	27.54	40.40	1.14	409.56	345.50	17.15	6.37	2885	2652	2985
11/5/24 12:00	6.36	273.17	17.26	5.46	16.58	30.12	28.42	40.39	1.13	411.43	341.89	17.15	6.42	2867	2621	2985
11/5/24 13:00	6.37	276.29	15.93	5.47	16.68	27.83	28.38	40.39	1.11	413.94	347.54	17.03	6.42	2787	2869	2985
11/5/24 14:00	6.45	276.92	16.60	4.75	16.71	27.35	28.43	40.38	1.12	413.76	348.20	17.08	6.38	2831	2846	2985
11/5/24 15:00	6.44	273.70	16.96	4.70	16.75	27.87	27.68	40.38	1.10	414.80	339.23	17.02	6.49	2718	2828	2985
11/5/24 16:00	6.41	271.28	17.31	4.83	16.87	28.79	28.01	40.38	1.09	418.81	353.41	17.03	6.62	2874	2778	2985
11/5/24 17:00	6.68	269.91	17.26	4.84	16.98	28.77	28.48	40.37	1.10	419.66	360.14	17.04	6.63	2947	2808	2985
11/5/24 18:00	6.74	268.67	19.15	5.65	16.79	34.07	30.54	40.37	1.10	422.16	362.52	17.04	6.67	2975	2846	2985
11/5/24 19:00	6.81	267.15	17.32	5.06	16.70	29.42	30.75	40.37	1.11	421.11	356.50	17.10	6.61	2976	2932	2985
11/5/24 20:00	6.92	267.62	13.72	4.44	16.52	22.01	28.50	40.36	1.10	419.17	363.27	17.08	6.63	3021	2966	2985
11/5/24 21:00	7.43	265.69	13.97	4.28	16.58	22.18	24.54	40.35	1.09	422.31	363.10	17.06	6.65	3002	2991	2985
11/5/24 22:00	8.25	264.80	14.96	4.00	16.07	23.04	22.41	40.35	1.09	422.14	361.47	17.10	6.58	3018	3000	2985
11/5/24 23:00	9.27	264.84	19.64	4.60	15.95	31.68	25.63	40.35	1.10	419.75	362.78	17.12	6.50	3032	3014	2985
11/6/24 0:00	8.16	264.75	22.86	5.76	16.34	40.89	31.87	40.35	1.10	417.43	351.61	17.15	6.42	2954	3017	2985
11/6/24 1:00	6.86	265.57	20.97	4.83	16.46	34.67	35.74	40.34	1.12	414.67	341.17	17.18	6.36	2882	3001	2985
11/6/24 2:00	6.77	266.35	21.33	4.61	16.40	34.61	36.72	40.34	1.10	414.33	345.13	17.14	6.43	2883	2956	2985
11/6/24 3:00	6.76	266.47	21.63	4.64	16.35	35.14	34.80	40.34	1.09	416.98	344.34	17.11	6.47	2857	2906	2985
11/6/24 4:00	6.78	268.86	21.45	4.71	16.29	35.00	34.91	40.34	1.11	416.66	339.01	17.08	6.60	2807	2874	2985
11/6/24 5:00	6.93	270.32	20.87	4.73	16.34	34.14	34.76	40.34	1.10	416.68	340.67	16.96	6.82	2747	2849	2985
11/6/24 6:00	6.93	271.64	22.98	5.82	16.33	41.20	36.78	40.34	1.10	417.02	336.01	17.01	6.75	2742		

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
11/7/24 11:00	7.19	265.68	22.84	4.94	15.85	37.68	39.31	40.35	1.11	410.99	324.11	17.31	6.09	2826	2831	2983
11/7/24 12:00	6.96	262.91	24.55	5.46	15.85	42.28	39.61	40.35	1.09	411.38	320.32	17.33	6.02	2800	2834	2983
11/7/24 13:00	6.78	262.46	24.23	5.58	16.00	42.20	40.72	40.35	1.10	411.41	324.63	17.29	6.16	2818	2835	2983
11/7/24 14:00	6.68	264.59	24.13	5.33	15.98	41.18	41.89	40.35	1.11	411.41	330.46	17.27	6.32	2883	2814	2982
11/7/24 15:00	6.77	266.17	24.73	4.98	15.98	41.01	41.46	40.35	1.09	412.29	323.08	17.33	6.04	2828	2833	2982
11/7/24 16:00	6.90	267.55	24.52	5.00	15.96	40.70	40.96	40.35	1.09	411.51	317.86	17.33	5.96	2759	2843	2982
11/7/24 17:00	6.98	269.73	25.28	4.96	16.04	41.90	41.20	40.35	1.09	412.10	311.33	17.27	6.04	2656	2823	2982
11/7/24 18:00	6.87	269.68	26.23	5.49	15.97	45.34	42.65	40.35	1.09	412.52	312.53	17.28	6.04	2681	2748	2982
11/7/24 19:00	6.84	272.38	21.84	5.25	16.07	37.17	41.47	40.35	1.11	409.93	311.37	17.32	5.94	2690	2699	2982
11/7/24 20:00	6.84	271.59	19.50	4.95	16.05	32.29	38.27	40.35	1.11	406.52	305.94	17.29	5.82	2581	2676	2982
11/7/24 21:00	6.82	272.19	18.40	5.00	15.92	30.53	33.33	40.35	1.11	405.49	300.06	17.17	5.84	2421	2651	2982
11/7/24 22:00	6.85	270.07	19.15	5.16	15.85	32.15	31.66	40.34	1.11	405.45	296.16	17.26	5.82	2474	2564	2982
11/7/24 23:00	6.89	268.03	19.16	5.16	15.86	32.18	31.62	40.34	1.10	406.05	298.88	17.19	5.99	2458	2492	2982
11/8/24 0:00	6.86	263.53	23.34	5.28	15.91	39.65	34.66	40.34	1.11	407.40	300.63	17.24	6.01	2526	2451	2981
11/8/24 1:00	6.73	261.71	23.80	5.34	15.97	40.61	37.48	40.34	1.11	406.97	303.69	17.24	6.02	2557	2486	2981
11/8/24 2:00	6.70	262.14	23.40	5.35	15.86	39.90	40.05	40.34	1.10	407.59	309.07	17.22	6.13	2606	2513	2981
11/8/24 3:00	6.81	264.06	23.57	5.41	15.77	40.33	40.28	40.34	1.10	407.51	312.19	17.26	6.08	2659	2563	2981
11/8/24 4:00	6.94	266.13	21.28	5.40	15.79	36.38	38.87	40.34	1.11	406.56	305.11	17.25	6.08	2590	2607	2981
11/8/24 5:00	6.93	266.10	23.30	5.35	15.88	39.74	38.82	40.34	1.10	406.97	312.01	17.22	6.12	2626	2618	2981
11/8/24 6:00	7.03	264.20	23.52	5.30	15.82	39.92	38.68	40.34	1.11	406.03	310.76	17.24	6.09	2628	2625	2981
11/8/24 7:00	6.92	264.26	22.08	5.35	15.83	37.64	39.10	40.34	1.10	406.81	312.43	17.16	6.24	2588	2615	2981
11/8/24 8:00	7.19	266.14	21.09	5.34	16.55	36.38	37.98	40.34	1.10	409.13	317.44	17.17	6.29	2655	2614	2980
11/8/24 9:00	7.29	269.19	20.51	5.28	15.75	34.70	36.24	40.34	1.12	408.24	314.51	17.20	6.14	2628	2624	2980
11/8/24 10:00	7.11	270.55	21.08	5.21	15.77	35.49	35.53	40.33	1.14	407.50	315.81	17.18	6.14	2623	2624	2980
11/8/24 11:00	6.91	270.79	21.42	5.23	15.83	36.14	35.45	40.33	1.14	406.28	299.65	17.22	6.04	2504	2636	2980
11/8/24 12:00	6.75	267.79	25.62	5.20	15.76	43.05	38.23	40.33	1.11	406.26	298.12	17.15	6.07	2430	2585	2980
11/8/24 13:00	6.72	266.83	24.45	5.27	15.75	41.34	40.18	40.33	1.13	407.13	302.75	17.19	6.08	2512	2519	2980
11/8/24 14:00	6.87	267.76	24.54	5.22	15.81	41.37	41.92	40.33	1.12	406.52	293.69	17.16	5.97	2388	2482	2980
11/8/24 15:00	6.76	272.24	24.49	5.27	15.74	41.42	41.38	40.33	1.14	407.27	305.01	17.18	6.10	2520	2443	2979
11/8/24 16:00	6.88	271.20	24.90	5.30	15.77	42.20	41.67	40.33	1.13	408.73	311.54	17.20	6.14	2610	2473	2979
11/8/24 17:00	6.89	272.21	24.60	5.22	15.85	41.48	41.70	40.34	1.19	407.60	312.33	17.21	6.31	2657	2506	2979
11/8/24 18:00	6.68	271.48	27.61	5.16	15.74	46.24	43.31	40.34	1.18	407.83	314.54	17.21	6.32	2680	2596	2979
11/8/24 19:00	6.82	272.74	23.04	4.93	15.89	38.02	41.92	40.34	1.16	409.25	324.18	17.19	6.28	2736	2649	2979
11/8/24 20:00	6.72	276.30	17.19	5.04	15.85	28.57	37.61	40.33	1.16	409.80	329.23	17.22	6.21	2794	2691	2979
11/8/24 21:00	6.86	273.10	18.23	5.19	15.67	30.60	32.40	40.33	1.19	408.78	326.38	17.25	6.10	2780	2737	2979
11/8/24 22:00	6.79	270.22	20.94	5.05	15.78	34.81	31.33	40.33	1.18	407.72	333.83	17.27	6.03	2848	2770	2979
11/8/24 23:00	6.48	265.63	22.57	5.02	15.85	37.46	34.29	40.33	1.15	407.94	344.30	17.26	6.01	2919	2808	2979
11/9/24 0:00	6.53	263.37	27.32	5.21	15.79	46.00	39.42	40.33	1.17	407.87	350.61	17.25	6.00	2963	2849	2979
11/9/24 1:00	6.63	265.74	29.87	5.28	15.87	50.64	44.70	40.33	1.21	405.97	351.44	17.27	5.95	2969	2910	2979
11/9/24 2:00	6.71	264.58	35.15	5.29	15.94	59.70	52.11	40.34	1.18	405.36	333.09	17.26	5.94	2802	2950	2979
11/9/24 3:00	6.67	265.20	37.49	5.33	15.79	63.74	58.02	40.35	1.22	404.36	328.62	17.26	5.89	2763	2912	2979
11/9/24 4:00	6.96	266.42	42.03	5.32	15.87	71.47	64.97	40.36	1.19	403.37	329.78	17.26	5.90	2773	2845	2979
11/9/24 5:00	7.00	264.45	45.65	5.31	15.88	77.63	70.94	40.37	1.21	403.29	326.43	17.25	5.88	2729	2780	2978
11/9/24 6:00	6.98	264.98	46.99	5.23	15.85	79.29	76.13	40.38	1.18	402.91	322.35	17.25	5.88	2691	2755	2978
11/9/24 7:00	6.68	265.35	47.58	5.30	16.24	81.30	79.40	40.39	1.17	404.37	330.24	17.25	5.95	2770	2731	2978
11/9/24 8:00	6.74	267.49	49.20	5.36	16.09	84.29	81.62	40.41	1.21	403.50	353.58	17.26	5.98	2987	2730	2978
11/9/24 9:00	6.77	268.69	49.04	5.25	15.98	83.11	82.90	40.42	1.20	404.65	359.11	17.24	6.02	3019	2816	2978
11/9/24 10:00	6.69	266.41	48.91	5.25	15.94	82.83	83.41	40.43	1.17	406.67	402.02	17.23	6.06	3378	2925	2978
11/9/24 11:00	6.69	265.03	48.41	5.24	15.92	81.88	82.61	40.45	1.14	410.40	370.68	17.22	6.11	3115	3128	2978
11/9/24 12:00	6.70	267.44	42.86	5.35	15.80	73.03	79.25	40.46	1.13	413.61	362.83	17.22	6.12	3057	3171	2978
11/9/24 13:00	6.66	269.49	44.40	5.22	15.94	75.01	76.64	40.47	1.13	415.33	357.94	17.24	6.12	3036	3183	2978
11/9/24 14:00	6.60	268.03	45.67	5.19	15.96	76.98	75.01	40.48	1.13	415.79	354.17	17.23	6.15	3000	3069	2978
11/9/24 15:00	6.58	272.38	43.15	5.15	15.97	72.53	74.84	40.49	1.13	414.37	352.48	17.23	6.17	2993	3031	2978
11/9/24 16:00	6.55	271.58	39.34	5.16	15.97	66.18	71.89	40.50	1.12	415.77	350.77	17.21	6.21	2967	3009	2978
11/9/24 17:00	6.59	270.21	35.10	5.21	15.93	59.24	65.98	40.50	1.12	415.69	343.15	17.21	6.24	2912	2987	2978
11/9/24 18:00	6.64	265.93	34.30	5.13	15.86	57.41	60.94	40.51	1.12	414.82	347.63	17.20	6.29	2946	2958	2978
11/9/24 19:00	6.64	263.86	26.76	5.01	15.87	44.56	53.74	40.51	1.11	413.81	352.50	17.20	6.31	2988	2942	2978
11/9/24 20:00	6.87	263.84	16.71	4.83	15.99	27.38	43.12	40.51	1.11	414.79	340.83	17.19	6.33	2880	2949	2978
11/9/24 21:00	6.55	263.31	16.82	4.93	15.87	27.73	33.22	40.50	1.11	416.77	333.95	17.17	6.35	2814	2938	2978
11/9/24 22:00	6.85	262.75	16.85	4.88	15.92	27.70	27.60	40.50	1.11	417.28	331.12	17.18	6.32	2790	2894	2978
11/9/24 23:00	6.80	264.22	16.53	4.93	15.95	27.30	27.57	40.49	1.11	417.15	327.64	17.17	6.32	2751	2828	2978
11/10/24 0:00	7.01	263.89	16.95	5.30	15.98	28.82	27.94	40.49	1.11	417.54	319.30	17.18	6.32	2685	2785	2978
11/10/24 1:00	6.81	263.64	15.81	5.44	16.22	27.32	27.81	40.49	1.11	417.30	326.82	17.16	6.35	2742	2742	2978
11/10/24 2:00	6.81	264.60	17.09	5.45	16.31	29.60	28.58	40.48	1.11	416.75	325.19	17.16	6.34	2726	2726	2978
11/10/24 3:00	6.71	265.02	16.73	5.46	16.28	29.00	28.64	40.48	1.13	415.07	336.58	17.17	6.30	2823	2718	2978
11/10/24 4:00	6.80	266.06	18.24	5.15	16.30	30.83	29.81	40.48	1.13	412.64	349.92	17.16	6.32	2925	2764	2978
11/10/24 5:00	6.82	267.66	16.74	5.03	16.40	28.07	29									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
11/10/24 23:00	6.65	265.64	16.55	4.83	15.89	27.09	27.19	40.37	1.10	409.87	317.73	17.11	6.39	2617	2648	2977
11/11/24 0:00	6.68	269.32	17.53	5.38	15.82	29.97	28.14	40.36	1.10	407.62	312.79	16.83	6.23	2295	2657	2976
11/11/24 1:00	6.66	268.73	15.15	5.55	15.84	26.24	27.77	40.36	1.10	409.25	310.96	16.75	6.25	2224	2541	2976
11/11/24 2:00	6.68	268.25	15.35	5.30	15.91	26.07	27.43	40.35	1.10	410.60	309.24	16.84	6.30	2291	2379	2976
11/11/24 3:00	6.71	270.34	15.13	4.98	15.88	25.06	25.79	40.35	1.09	411.34	311.48	16.92	6.32	2381	2270	2976
11/11/24 4:00	6.90	269.89	14.28	5.03	15.81	23.70	24.94	40.34	1.09	412.60	317.24	16.98	6.36	2484	2299	2976
11/11/24 5:00	7.12	268.90	11.57	5.18	15.67	19.38	22.71	40.34	1.09	413.62	324.13	17.03	6.41	2598	2385	2975
11/11/24 6:00	7.45	264.84	16.66	5.56	15.57	28.84	23.97	40.33	1.09	413.55	323.60	17.07	6.34	2613	2488	2975
11/11/24 7:00	7.37	265.65	17.69	5.70	15.61	30.89	26.37	40.33	1.09	413.00	316.38	17.09	6.46	2604	2565	2975
11/11/24 8:00	7.38	264.56	20.54	5.58	15.61	35.54	31.76	40.33	1.09	412.81	315.89	17.10	6.50	2622	2605	2975
11/11/24 9:00	7.44	265.08	19.91	5.27	16.43	34.05	33.50	40.33	1.09	412.37	312.91	17.09	6.50	2585	2613	2975
11/11/24 10:00	7.66	265.64	21.91	5.08	15.72	36.45	35.35	40.33	1.10	411.89	317.24	17.09	6.52	2622	2604	2975
11/11/24 11:00	7.47	266.03	23.22	5.00	15.71	38.38	36.29	40.33	1.09	412.14	317.34	17.09	6.46	2610	2610	2975
11/11/24 12:00	7.59	265.84	24.00	5.37	15.54	40.81	38.55	40.33	1.09	411.46	311.77	17.09	6.43	2560	2606	2975
11/11/24 13:00	7.65	265.54	22.52	5.43	15.70	38.53	39.24	40.33	1.09	410.74	315.72	17.07	6.31	2550	2598	2974
11/11/24 14:00	7.38	266.90	23.55	5.46	15.65	40.35	39.90	40.33	1.10	410.17	317.37	16.94	6.41	2460	2574	2974
11/11/24 15:00	7.50	268.64	23.89	5.07	15.63	39.67	39.52	40.33	1.09	410.06	313.75	17.09	6.36	2563	2524	2974
11/11/24 16:00	7.49	273.00	25.01	4.90	15.66	40.98	40.33	40.33	1.09	411.28	312.92	17.07	6.41	2540	2525	2974
11/11/24 17:00	7.39	277.20	25.24	4.89	15.66	41.35	40.67	40.33	1.13	404.99	278.57	17.22	6.19	2363	2521	2974
11/11/24 18:00	7.39	275.67	26.92	5.31	15.58	45.59	42.64	40.33	1.11	401.42	273.62	17.27	6.09	2342	2489	2974
11/11/24 19:00	7.44	274.52	22.03	4.97	15.64	36.56	41.17	40.33	1.11	400.84	265.17	17.31	5.95	2277	2415	2974
11/11/24 20:00	7.39	275.16	18.18	4.66	15.64	29.26	37.14	40.32	1.11	396.82	254.95	17.31	5.67	2145	2328	2973
11/11/24 21:00	7.51	277.26	16.63	4.72	15.63	26.86	30.90	40.32	1.11	397.11	263.10	17.16	5.82	2113	2255	2973
11/11/24 22:00	7.49	275.20	15.98	4.79	15.66	25.98	27.37	40.31	1.13	399.58	256.88	17.16	6.18	2124	2178	2973
11/11/24 23:00	7.10	276.66	19.09	4.81	15.66	31.08	27.97	40.31	1.19	398.40	262.83	17.28	6.19	2277	2127	2973
11/12/24 0:00	7.16	276.88	26.06	5.47	15.64	44.85	33.97	40.31	1.21	396.67	287.22	17.32	6.03	2495	2171	2972
11/12/24 1:00	7.16	272.86	23.71	5.65	15.68	41.29	39.07	40.31	1.18	395.49	243.41	17.36	5.91	2131	2298	2972
11/12/24 2:00	7.16	271.66	24.20	5.13	15.64	40.41	42.18	40.31	1.20	394.61	247.74	17.36	5.87	2159	2301	2972
11/12/24 3:00	7.16	272.13	23.26	4.96	15.66	38.31	40.00	40.31	1.21	393.33	250.19	17.36	5.79	2168	2262	2972
11/12/24 4:00	7.32	270.51	23.22	4.93	15.67	38.16	38.96	40.31	1.20	394.33	255.22	17.34	5.84	2199	2153	2971
11/12/24 5:00	7.39	268.94	23.65	4.87	15.78	38.75	38.41	40.31	1.20	393.18	240.26	17.40	5.74	2107	2175	2971
11/12/24 6:00	7.33	270.12	23.71	5.53	15.55	40.79	39.23	40.31	1.20	391.25	236.80	17.40	5.68	2066	2158	2971
11/12/24 7:00	7.62	269.30	20.65	5.81	15.49	36.33	38.62	40.31	1.21	391.14	240.20	17.37	5.66	2062	2124	2971
11/12/24 8:00	7.68	270.13	19.55	5.57	15.44	33.71	36.94	40.31	1.22	391.12	242.17	17.39	5.72	2109	2078	2970
11/12/24 9:00	7.52	273.42	20.14	5.36	15.67	34.27	34.77	40.31	1.23	389.47	233.30	17.42	5.72	2059	2079	2970
11/12/24 10:00	7.40	268.54	23.42	5.35	15.46	39.67	35.88	40.31	1.20	390.60	233.94	17.41	5.77	2070	2077	2970
11/12/24 11:00	7.37	268.75	24.76	5.37	15.32	41.90	38.61	40.31	1.20	391.76	238.96	17.43	5.80	2138	2080	2970
11/12/24 12:00	7.44	269.45	32.90	5.92	15.35	58.50	46.69	40.31	1.20	392.90	246.15	17.42	5.86	2204	2089	2969
11/12/24 13:00	7.38	270.34	38.91	5.75	15.62	68.29	56.23	40.32	1.19	393.79	239.91	17.44	5.86	2166	2137	2969
11/12/24 14:00	7.26	270.40	41.26	5.45	15.60	70.52	65.77	40.33	1.19	394.73	248.14	17.43	5.89	2233	2169	2969
11/12/24 15:00	7.20	273.07	44.51	4.99	15.62	73.41	70.74	40.34	1.17	395.49	246.81	17.44	5.89	2232	2201	2969
11/12/24 16:00	7.03	272.79	45.89	5.04	15.57	75.96	73.30	40.35	1.18	396.52	252.17	17.43	5.93	2278	2210	2968
11/12/24 17:00	7.15	272.56	48.53	5.02	15.57	80.15	76.51	40.36	1.17	396.53	249.53	17.43	5.95	2261	2248	2968
11/12/24 18:00	7.23	275.18	43.51	5.63	15.41	75.30	77.14	40.37	1.17	395.77	246.10	17.45	5.92	2239	2257	2968
11/12/24 19:00	7.23	276.81	30.94	5.42	15.57	53.25	69.57	40.38	1.19	394.71	242.84	17.45	5.93	2214	2260	2968
11/12/24 20:00	7.26	274.94	26.04	5.13	15.78	43.56	57.37	40.38	1.21	393.64	247.87	17.43	5.98	2249	2238	2967
11/12/24 21:00	7.22	270.66	29.17	5.15	15.78	48.86	48.56	40.38	1.20	393.39	246.44	17.44	5.95	2238	2234	2967
11/12/24 22:00	7.16	269.26	30.64	5.18	15.79	51.46	47.96	40.39	1.21	392.92	241.40	17.45	5.89	2194	2233	2967
11/12/24 23:00	7.22	269.17	30.96	5.23	15.76	52.20	50.84	40.39	1.22	392.24	240.35	17.41	5.96	2159	2227	2967
11/13/24 0:00	7.32	269.31	30.70	5.34	15.68	52.12	51.93	40.39	1.20	392.52	233.11	17.43	5.95	2108	2197	2966
11/13/24 1:00	7.21	267.91	30.47	5.34	15.79	51.87	52.06	40.40	1.16	394.79	232.40	17.39	6.04	2082	2154	2966
11/13/24 2:00	7.49	266.69	29.31	5.36	15.78	49.96	51.32	40.40	1.19	393.90	242.13	17.41	6.00	2180	2117	2966
11/13/24 3:00	7.57	265.06	29.11	5.38	15.79	49.70	50.51	40.40	1.20	393.75	245.47	17.39	6.02	2201	2124	2966
11/13/24 4:00	7.67	265.87	28.89	5.37	15.80	49.27	49.64	40.41	1.20	394.03	253.64	17.39	6.05	2271	2154	2965
11/13/24 5:00	7.64	268.10	29.79	5.32	15.86	50.67	49.88	40.41	1.20	393.91	257.71	17.38	6.02	2294	2127	2965
11/13/24 6:00	7.51	268.99	32.78	5.35	15.77	55.80	51.91	40.41	1.18	394.01	255.97	17.38	6.04	2283	2256	2965
11/13/24 7:00	7.38	269.95	31.93	5.37	15.82	54.46	53.64	40.42	1.21	394.45	257.60	17.39	5.87	2276	2283	2965
11/13/24 8:00	7.46	269.21	31.30	5.33	15.75	53.18	54.48	40.42	1.15	398.86	260.05	17.32	5.98	2252	2284	2965
11/13/24 9:00	7.46	268.52	31.48	5.36	15.77	53.64	53.76	40.43	1.13	402.13	252.86	17.35	5.92	2203	2270	2964
11/13/24 10:00	7.51	268.78	32.14	5.74	15.51	56.24	54.36	40.43	1.13	402.48	243.79	17.36	5.89	2134	2243	2964
11/13/24 11:00	7.77	271.47	31.41	5.65	15.57	54.61	54.83	40.43	1.13	403.47	240.72	17.35	5.92	2103	2196	2964
11/13/24 12:00	7.55	270.30	31.69	5.45	15.67	54.30	55.05	40.44	1.13	403.39	235.60	17.35	5.94	2058	2146	2964
11/13/24 13:00	7.41	273.09	28.27	5.42	15.77	48.42	52.44	40.44	1.14	402.23	230.27	17.36	5.91	2017	2098	2963
11/13/24 14:00	7.37	276.74	28.76	5.45	15.73	49.32	50.68	40.44	1.17	398.35	225.75	17.38	5.90	1988	2059	2963
11/13/24 15:00	7.46	278.13	28.47	5.42	15.71	48.71	48.82	40.45	1.19	396.08	221.74	17.38	5.90	1952	2021	2963
11/13/24 16:00	7.49	278.95	29.06	5.41	15.77	49.71	49.25	40.45	1.19	395.48	225.01	17.34	5.95	1963	1986	2962
11/13/24 17:00	7.34															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
11/14/24 11:00	7.13	275.21	17.90	5.27	15.83	30.29	30.35	40.38	1.10	406.51	224.41	17.29	5.89	1905	1829	2956
11/14/24 12:00	7.11	271.69	18.99	5.23	15.71	31.98	30.93	40.38	1.11	407.34	236.89	17.27	5.92	2002	1864	2956
11/14/24 13:00	7.13	270.58	18.28	5.26	15.87	30.94	31.07	40.38	1.12	405.63	243.64	17.28	5.96	2070	1922	2955
11/14/24 14:00	7.07	272.25	17.67	5.22	15.88	29.83	30.92	40.37	1.14	402.33	235.29	17.27	6.04	2006	1992	2955
11/14/24 15:00	7.03	271.63	16.78	5.17	15.86	28.19	29.65	40.37	1.12	404.31	248.50	17.23	6.12	2105	2026	2955
11/14/24 16:00	7.06	270.38	14.10	5.14	15.89	23.64	27.22	40.36	1.11	406.73	254.53	17.24	6.14	2166	2060	2954
11/14/24 17:00	7.12	268.98	8.97	5.14	15.90	15.04	22.29	40.36	1.09	409.98	261.08	17.24	6.10	2216	2092	2954
11/14/24 18:00	7.02	267.32	11.52	5.18	15.77	19.33	19.34	40.35	1.10	406.88	256.67	17.28	6.07	2208	2162	2954
11/14/24 19:00	7.07	267.48	13.84	5.04	15.73	22.65	19.01	40.35	1.10	406.89	253.27	17.26	6.13	2172	2197	2954
11/14/24 20:00	7.24	266.84	18.76	4.70	15.78	30.35	24.11	40.34	1.10	406.24	246.54	17.27	6.16	2120	2199	2954
11/14/24 21:00	7.28	265.74	19.43	4.69	15.78	31.41	28.14	40.34	1.10	407.25	246.54	17.23	6.20	2095	2167	2953
11/14/24 22:00	7.24	265.59	18.48	4.68	15.79	29.84	30.53	40.34	1.09	408.92	246.84	17.23	6.19	2096	2129	2953
11/14/24 23:00	7.14	266.29	18.24	4.69	15.81	29.49	30.25	40.33	1.10	409.08	246.36	17.23	6.18	2095	2104	2953
11/15/24 0:00	7.04	266.93	21.76	6.05	15.72	39.60	32.98	40.33	1.09	407.78	247.13	17.23	6.18	2100	2095	2953
11/15/24 1:00	6.96	266.98	19.49	5.05	15.80	32.48	33.86	40.33	1.09	409.46	254.48	17.21	6.21	2153	2097	2952
11/15/24 2:00	6.97	266.64	19.38	4.83	15.82	31.69	34.59	40.33	1.10	409.25	257.71	17.22	6.22	2189	2116	2952
11/15/24 3:00	6.93	267.69	16.93	4.79	15.94	27.65	30.61	40.32	1.09	408.60	282.50	17.21	6.24	2389	2148	2952
11/15/24 4:00	6.91	268.87	12.16	4.76	15.98	19.81	26.38	40.32	1.09	409.22	368.16	17.21	6.24	3118	2244	2952
11/15/24 5:00	6.89	268.87	8.90	4.74	16.09	14.51	20.66	40.31	1.10	407.90	324.10	17.22	6.22	2755	2565	2952
11/15/24 6:00	6.89	269.15	10.04	5.91	16.11	18.09	17.47	40.30	1.10	406.96	301.11	17.23	6.20	2563	2754	2952
11/15/24 7:00	6.90	271.20	7.47	5.11	16.28	12.61	15.07	40.29	1.17	404.18	292.18	17.29	6.19	2541	2812	2951
11/15/24 8:00	6.86	273.01	7.49	4.98	16.52	12.54	14.42	40.29	1.17	402.79	282.30	17.28	6.21	2456	2619	2951
11/15/24 9:00	7.08	271.26	7.59	4.91	16.28	12.58	12.58	40.28	1.16	402.82	278.32	17.24	6.21	2380	2520	2951
11/15/24 10:00	6.92	270.06	7.54	4.75	16.23	12.34	12.49	40.27	1.14	403.21	275.03	17.25	6.20	2355	2459	2951
11/15/24 11:00	6.86	267.95	5.16	4.76	16.07	8.43	11.11	40.26	1.13	403.44	273.67	17.26	6.18	2355	2397	2951
11/15/24 12:00	6.83	267.39	7.21	5.80	15.86	12.85	11.20	40.25	1.14	403.04	279.02	17.26	6.18	2397	2363	2951
11/15/24 13:00	6.93	266.80	5.41	5.37	15.86	9.21	10.16	40.24	1.13	403.65	288.41	17.25	6.20	2469	2369	2951
11/15/24 14:00	6.84	266.43	7.23	4.81	15.89	11.81	11.29	40.23	1.09	406.72	299.54	17.22	6.25	2550	2407	2950
11/15/24 15:00	6.88	265.88	5.46	4.79	15.83	8.90	9.97	40.22	1.09	408.69	310.67	17.21	6.26	2638	2472	2950
11/15/24 16:00	6.86	265.88	6.66	4.76	15.88	10.84	10.52	40.22	1.09	408.15	313.47	17.20	6.22	2640	2552	2950
11/15/24 17:00	6.78	266.17	6.38	4.73	15.93	10.37	10.04	40.21	1.09	408.35	316.06	17.16	6.26	2631	2609	2950
11/15/24 18:00	6.78	266.33	7.26	5.81	15.84	12.97	11.39	40.20	1.09	409.31	318.27	17.14	6.29	2629	2636	2950
11/15/24 19:00	6.79	265.94	13.82	5.40	15.90	23.07	15.47	40.19	1.10	409.55	315.91	17.13	6.30	2603	2633	2950
11/15/24 20:00	6.82	268.02	19.61	4.90	15.88	32.26	22.77	40.19	1.12	409.26	323.50	17.11	6.41	2675	2621	2950
11/15/24 21:00	6.89	268.28	18.99	4.86	16.00	31.19	28.84	40.19	1.13	409.07	333.96	17.12	6.41	2773	2636	2950
11/15/24 22:00	6.77	266.27	16.28	5.00	15.91	27.00	30.15	40.18	1.15	408.80	337.65	17.15	6.35	2815	2684	2950
11/15/24 23:00	6.76	265.22	19.15	4.92	16.01	31.64	29.94	40.18	1.11	408.86	332.42	17.16	6.27	2769	2754	2950
11/16/24 0:00	6.73	265.73	20.45	5.10	15.92	34.21	30.95	40.18	1.12	409.06	328.21	17.18	6.20	2736	2786	2950
11/16/24 1:00	6.80	263.72	17.72	5.19	15.96	29.86	31.90	40.18	1.11	407.71	323.19	17.21	6.05	2695	2773	2949
11/16/24 2:00	6.82	263.61	19.50	5.20	15.95	32.91	32.33	40.17	1.11	405.97	319.62	17.20	5.99	2637	2733	2949
11/16/24 3:00	6.79	263.90	20.75	5.15	15.96	34.86	32.55	40.17	1.12	405.46	315.58	17.19	5.96	2591	2689	2949
11/16/24 4:00	6.75	264.46	21.91	5.19	15.90	36.90	34.89	40.17	1.11	404.98	307.39	17.18	5.97	2512	2641	2949
11/16/24 5:00	6.91	265.28	20.57	5.27	15.99	34.92	35.56	40.17	1.10	405.57	303.71	17.20	5.99	2507	2580	2949
11/16/24 6:00	6.89	266.17	21.74	5.27	15.82	36.79	36.20	40.17	1.11	404.62	297.73	17.22	5.93	2468	2537	2949
11/16/24 7:00	6.87	267.08	21.29	5.20	15.95	35.92	35.88	40.17	1.11	403.95	296.29	17.20	5.98	2450	2496	2949
11/16/24 8:00	6.72	270.21	20.36	5.32	16.18	34.83	35.85	40.17	1.11	404.80	304.98	17.19	6.06	2522	2475	2949
11/16/24 9:00	6.81	269.44	20.35	5.16	15.96	34.21	34.99	40.16	1.11	405.56	305.35	17.19	6.10	2530	2480	2948
11/16/24 10:00	6.75	270.45	18.83	5.16	15.93	31.64	33.56	40.16	1.13	405.49	313.68	17.19	6.18	2623	2501	2948
11/16/24 11:00	6.72	270.45	19.07	5.15	15.96	32.04	32.63	40.16	1.11	406.14	298.11	17.27	6.08	2556	2559	2948
11/16/24 12:00	6.68	271.87	21.12	5.12	15.90	35.37	33.02	40.16	1.11	405.36	298.26	17.31	6.04	2583	2570	2948
11/16/24 13:00	6.65	271.67	20.13	5.12	15.96	33.75	33.72	40.16	1.09	405.37	290.42	17.30	6.02	2501	2587	2948
11/16/24 14:00	6.67	271.21	19.17	5.14	15.96	32.17	33.76	40.15	1.11	404.94	288.72	17.29	6.06	2488	2547	2948
11/16/24 15:00	6.65	269.90	18.75	5.16	15.93	31.51	32.48	40.15	1.12	404.66	289.40	17.29	6.07	2497	2524	2948
11/16/24 16:00	6.65	269.58	17.97	5.22	15.89	30.32	31.33	40.15	1.11	405.08	297.15	17.27	6.08	2546	2495	2948
11/16/24 17:00	6.65	269.45	19.46	5.22	15.94	32.88	31.57	40.15	1.11	406.25	306.15	17.25	6.11	2609	2510	2948
11/16/24 18:00	6.66	267.19	20.71	5.22	15.85	34.92	32.71	40.14	1.09	407.60	304.12	17.25	6.07	2582	2550	2947
11/16/24 19:00	6.65	265.15	21.52	5.10	16.01	36.03	34.61	40.14	1.09	408.08	311.97	17.23	6.10	2627	2579	2947
11/16/24 20:00	6.64	263.37	23.36	5.01	16.06	38.90	36.61	40.14	1.09	408.19	314.37	17.22	6.08	2638	2606	2947
11/16/24 21:00	6.67	262.15	24.96	5.05	16.08	41.68	38.87	40.14	1.09	408.05	313.82	17.23	6.04	2638	2616	2947
11/16/24 22:00	6.69	262.06	24.41	5.05	16.03	40.73	40.44	40.14	1.10	407.34	311.75	17.23	6.00	2612	2635	2947
11/16/24 23:00	6.76	262.21	23.17	5.03	16.02	38.61	40.34	40.14	1.09	406.86	307.21	17.22	6.01	2562	2629	2947
11/17/24 0:00	6.95	262.82	28.39	5.14	16.05	47.73	42.36	40.14	1.09	406.49	311.08	17.21	6.06	2598	2604	2947
11/17/24 1:00	6.77	263.87	25.09	5.10	16.12	42.10	42.81	40.15	1.09	406.35	312.17	17.22	6.03	2612	2591	2947
11/17/24 2:00	6.82	264.94	23.64	5.07	16.15	39.59	43.14	40.15	1.09	406.68	316.46	17.21	6.10	2644	2591	2947
11/17/24 3:00	6.77	265.67	22.97	5.06	16.17	38.45	40.05	40.14	1.11	406.26	316.01	17.22	6.11	2656	2618	2947
11/17/24 4:00	6.75	266.60	22.18	5.11	16.17	37.29	38.44	40.14	1.12	404.93	313.52	17.23	6.10	2649	2637	2946
11/17/24 5:00	6.88	267.31														

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3Hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3Hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
11/17/24 23:00	6.48	262.70	18.75	4.61	16.22	30.34	32.44	40.12	1.09	405.67	300.09	17.16	6.19	2485	2535	2945
11/18/24 0:00	6.46	264.03	20.37	5.47	16.09	35.28	32.91	40.11	1.08	405.12	295.79	16.92	6.15	2232	2507	2945
11/18/24 1:00	6.43	265.46	17.44	5.47	16.10	30.20	31.94	40.11	1.08	407.77	300.89	16.99	6.41	2376	2397	2944
11/18/24 2:00	6.36	265.43	17.51	4.74	16.06	28.53	31.34	40.11	1.08	410.72	315.45	17.11	6.39	2603	2364	2944
11/18/24 3:00	6.35	265.06	17.78	4.72	16.03	28.92	29.22	40.10	1.08	410.78	312.48	17.15	6.28	2596	2404	2944
11/18/24 4:00	6.29	265.19	16.93	4.73	15.99	27.55	28.33	40.10	1.08	410.59	318.27	17.16	6.20	2639	2525	2944
11/18/24 5:00	6.26	265.24	16.95	4.73	16.03	27.59	28.02	40.10	1.08	410.19	316.82	17.15	6.23	2614	2613	2944
11/18/24 6:00	6.28	266.22	19.87	5.62	15.98	34.83	29.99	40.10	1.08	410.02	313.29	17.19	6.17	2613	2616	2944
11/18/24 7:00	6.24	266.39	21.42	5.33	16.29	36.83	33.09	40.09	1.09	408.87	313.38	17.16	6.19	2592	2622	2944
11/18/24 8:00	6.36	268.63	20.71	4.80	16.37	34.08	35.25	40.09	1.09	408.19	307.62	17.17	6.26	2563	2606	2944
11/18/24 9:00	6.55	267.79	23.98	4.98	16.51	40.14	37.01	40.09	1.09	407.92	302.71	17.17	6.24	2526	2589	2943
11/18/24 10:00	6.56	267.60	21.80	5.02	16.61	36.65	36.95	40.09	1.08	408.43	306.83	17.18	6.20	2563	2560	2943
11/18/24 11:00	6.57	267.60	22.35	4.88	16.61	37.16	37.98	40.09	1.08	408.30	303.90	17.20	6.11	2535	2551	2943
11/18/24 12:00	6.57	267.88	22.35	5.74	16.52	39.85	37.89	40.09	1.08	408.95	303.99	17.18	6.09	2515	2541	2943
11/18/24 13:00	6.56	267.53	19.79	5.39	16.50	34.41	37.14	40.09	1.08	409.33	304.99	17.20	5.99	2516	2538	2943
11/18/24 14:00	6.58	267.80	18.74	4.95	16.29	31.16	35.14	40.09	1.09	410.71	304.91	17.21	6.07	2546	2522	2943
11/18/24 15:00	6.84	267.28	21.02	4.95	16.25	34.93	33.50	40.09	1.09	411.15	312.51	17.25	6.08	2655	2526	2943
11/18/24 16:00	6.75	265.23	24.01	4.93	16.29	39.85	35.31	40.09	1.07	412.28	319.46	17.27	6.01	2720	2573	2943
11/18/24 17:00	6.73	264.25	26.25	4.88	16.47	43.53	39.44	40.09	1.07	412.19	311.94	17.27	6.00	2651	2640	2943
11/18/24 18:00	6.63	264.01	33.09	5.85	16.23	59.53	47.63	40.09	1.10	411.33	323.88	17.24	6.14	2753	2675	2942
11/18/24 19:00	6.71	264.82	32.12	5.42	16.32	55.72	52.92	40.10	1.14	408.79	326.50	17.24	6.23	2796	2708	2942
11/18/24 20:00	6.70	266.83	39.22	5.07	16.23	65.77	60.34	40.10	1.14	407.61	326.13	17.23	6.25	2789	2733	2942
11/18/24 21:00	6.76	267.33	42.11	5.15	16.39	71.27	64.25	40.11	1.15	406.93	325.63	17.24	6.22	2783	2779	2942
11/18/24 22:00	6.77	267.16	42.63	5.16	16.44	72.27	69.77	40.12	1.13	405.38	314.43	17.26	6.16	2704	2789	2942
11/18/24 23:00	6.80	267.00	41.78	5.13	16.42	70.65	71.40	40.13	1.11	405.64	312.50	17.26	6.14	2677	2759	2942
11/19/24 0:00	6.81	266.15	41.98	5.34	16.34	72.13	71.69	40.14	1.13	405.37	312.31	17.26	6.11	2671	2721	2942
11/19/24 1:00	6.79	266.33	39.58	5.41	16.40	68.43	70.40	40.15	1.12	404.84	308.75	17.27	6.09	2641	2684	2942
11/19/24 2:00	6.76	268.85	38.98	5.42	16.42	67.50	69.35	40.16	1.13	403.14	311.29	17.28	6.04	2663	2663	2942
11/19/24 3:00	6.86	269.28	39.92	5.43	16.43	69.19	68.37	40.17	1.13	403.27	309.47	17.27	6.05	2638	2658	2942
11/19/24 4:00	6.86	268.80	38.79	5.43	16.44	67.23	67.97	40.17	1.11	404.45	310.31	17.24	6.11	2630	2647	2942
11/19/24 5:00	6.88	267.55	39.36	5.37	16.50	67.96	68.13	40.18	1.08	411.48	310.82	17.20	6.26	2620	2644	2942
11/19/24 6:00	6.67	267.78	44.02	5.35	16.38	75.70	70.30	40.19	1.08	412.40	296.62	17.21	6.24	2515	2629	2942
11/19/24 7:00	6.84	268.41	40.46	5.36	16.52	69.80	71.15	40.20	1.08	412.58	290.65	17.20	6.32	2468	2588	2942
11/19/24 8:00	6.81	268.97	40.05	5.36	16.56	69.15	71.55	40.21	1.09	411.52	270.15	17.24	6.21	2311	2534	2941
11/19/24 9:00	6.81	269.66	40.39	5.35	16.66	69.78	69.58	40.22	1.08	406.36	224.64	17.37	5.94	1980	2431	2941
11/19/24 10:00	6.72	269.94	40.98	5.39	16.93	71.41	70.11	40.23	1.07	403.62	209.77	17.42	5.84	1874	2253	2941
11/19/24 11:00	6.67	269.97	41.21	5.45	16.57	71.70	70.96	40.24	1.09	399.36	189.57	17.46	5.76	1709	2055	2941
11/19/24 12:00	6.70	269.51	43.04	5.44	16.41	74.56	72.56	40.25	1.10	396.33	199.53	17.42	5.83	1782	1854	2940
11/19/24 13:00	6.87	267.60	40.71	5.46	16.55	70.87	72.38	40.26	1.12	394.68	196.86	17.41	5.85	1753	1788	2940
11/19/24 14:00	6.84	267.68	34.74	5.51	16.49	60.65	68.69	40.26	1.13	393.47	193.77	17.42	5.83	1726	1748	2940
11/19/24 15:00	6.87	267.44	35.06	5.52	16.48	61.28	64.27	40.27	1.14	391.75	189.40	17.43	5.79	1692	1754	2939
11/19/24 16:00	6.68	267.74	36.53	5.52	16.51	63.86	61.93	40.28	1.14	390.65	187.77	17.43	5.78	1676	1724	2939
11/19/24 17:00	6.63	265.97	36.98	5.44	16.57	64.30	63.15	40.28	1.13	390.53	184.00	17.45	5.75	1649	1698	2938
11/19/24 18:00	6.65	266.52	37.30	5.37	16.47	64.33	64.16	40.29	1.14	390.75	185.41	17.43	5.78	1652	1673	2938
11/19/24 19:00	6.66	266.77	28.04	5.18	16.67	47.88	58.84	40.29	1.11	392.21	186.42	17.42	5.82	1659	1659	2938
11/19/24 20:00	6.65	268.75	22.47	5.12	16.64	38.11	50.11	40.29	1.07	396.00	196.80	17.40	5.86	1746	1653	2937
11/19/24 21:00	6.64	266.33	22.29	5.13	16.70	37.87	41.29	40.29	1.08	397.16	191.81	17.38	5.90	1696	1685	2937
11/19/24 22:00	6.58	265.51	24.12	5.18	16.70	41.13	39.04	40.29	1.06	399.87	200.22	17.37	5.92	1760	1700	2937
11/19/24 23:00	6.62	265.37	24.97	5.19	16.72	42.65	40.55	40.29	1.06	403.64	249.51	17.30	6.05	2155	1734	2936
11/20/24 0:00	6.66	266.99	24.41	5.40	16.37	42.16	41.98	40.29	1.07	406.92	241.21	17.25	6.16	2059	1870	2936
11/20/24 1:00	6.75	268.30	21.36	5.45	16.39	37.06	40.62	40.29	1.07	409.23	253.06	17.21	6.23	2146	1991	2936
11/20/24 2:00	6.70	269.18	25.97	5.47	16.48	45.21	41.48	40.29	1.10	406.39	267.63	17.22	6.23	2274	2120	2936
11/20/24 3:00	6.72	267.53	28.77	5.47	16.72	50.31	44.19	40.30	1.11	405.23	278.05	17.24	6.18	2370	2160	2935
11/20/24 4:00	6.74															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
11/21/24 11:00	6.83	268.08	22.09	5.23	16.49	37.72	39.27	40.27	1.09	410.03	350.31	17.06	6.25	2800	2744	2931
11/21/24 12:00	6.71	269.04	24.29	5.25	16.43	41.50	39.44	40.27	1.10	411.52	356.55	17.06	6.27	2854	2779	2931
11/21/24 13:00	6.73	269.11	23.03	5.34	16.51	39.66	39.63	40.27	1.10	411.08	362.61	17.05	6.26	2891	2809	2931
11/21/24 14:00	6.75	268.26	23.94	5.31	16.56	41.16	40.78	40.27	1.11	410.22	350.89	17.06	6.25	2809	2849	2931
11/21/24 15:00	6.75	268.28	26.58	5.25	16.63	45.54	42.12	40.27	1.10	409.72	347.27	17.07	6.25	2790	2851	2931
11/21/24 16:00	6.75	272.14	26.18	5.20	16.65	44.68	43.79	40.27	1.10	409.62	345.41	17.07	6.28	2774	2830	2931
11/21/24 17:00	6.75	272.66	25.38	5.16	16.59	43.14	44.45	40.27	1.09	410.65	350.22	17.06	6.28	2804	2791	2931
11/21/24 18:00	6.74	271.98	26.38	5.15	16.45	44.68	44.17	40.27	1.12	410.69	358.32	17.06	6.30	2877	2790	2931
11/21/24 19:00	6.85	272.21	23.11	4.88	16.49	38.36	42.06	40.27	1.14	409.40	362.76	17.07	6.33	2929	2819	2931
11/21/24 20:00	6.94	267.87	21.04	4.84	16.46	34.79	39.28	40.27	1.14	409.35	360.53	17.06	6.33	2902	2870	2931
11/21/24 21:00	6.90	267.02	20.76	4.91	16.40	34.48	35.88	40.27	1.11	410.22	359.34	17.05	6.32	2881	2903	2931
11/21/24 22:00	7.13	265.96	20.58	4.88	16.46	34.14	34.47	40.27	1.11	411.11	359.93	17.06	6.27	2885	2904	2931
11/21/24 23:00	6.95	263.20	20.33	4.93	16.45	33.83	34.15	40.27	1.11	410.94	356.26	17.07	6.25	2861	2889	2931
11/22/24 0:00	7.04	262.97	21.28	5.16	16.41	36.04	34.67	40.26	1.12	409.40	344.02	17.08	6.23	2765	2875	2931
11/22/24 1:00	6.99	264.25	18.10	5.22	16.44	30.82	33.56	40.26	1.12	408.31	337.93	17.09	6.20	2722	2837	2931
11/22/24 2:00	7.05	265.09	17.05	5.19	16.42	28.97	31.95	40.26	1.14	407.40	334.90	17.09	6.24	2700	2783	2931
11/22/24 3:00	7.00	265.63	16.56	5.22	16.41	28.20	29.33	40.26	1.14	406.63	339.87	17.08	6.27	2744	2729	2931
11/22/24 4:00	7.05	266.54	15.26	5.28	16.36	26.08	27.75	40.25	1.16	406.49	340.35	17.07	6.28	2738	2722	2931
11/22/24 5:00	7.29	267.17	16.64	5.29	16.42	28.48	27.59	40.25	1.18	405.77	334.28	17.10	6.21	2701	2727	2931
11/22/24 6:00	7.20	268.37	17.73	5.35	16.40	30.49	28.35	40.24	1.18	405.04	341.10	17.09	6.19	2746	2727	2931
11/22/24 7:00	7.18	271.39	16.19	5.69	16.42	28.67	29.22	40.24	1.17	404.37	337.31	17.10	6.23	2734	2728	2931
11/22/24 8:00	7.18	269.78	17.93	5.63	16.39	31.55	30.24	40.24	1.17	404.03	340.01	17.07	6.31	2742	2727	2931
11/22/24 9:00	6.94	273.58	20.95	5.43	16.44	36.32	32.18	40.24	1.18	404.53	339.51	17.07	6.33	2738	2741	2931
11/22/24 10:00	6.93	270.89	20.40	5.33	16.20	34.92	34.26	40.24	1.16	404.25	330.70	17.07	6.33	2676	2738	2930
11/22/24 11:00	7.02	270.49	17.55	5.16	16.06	29.57	33.60	40.23	1.18	404.80	331.29	17.07	6.38	2685	2719	2930
11/22/24 12:00	7.03	269.84	18.61	5.10	15.84	31.06	31.85	40.23	1.16	405.59	335.74	17.04	6.44	2706	2700	2930
11/22/24 13:00	6.94	270.92	18.17	5.09	15.88	30.33	30.32	40.23	1.17	406.07	335.30	17.06	6.38	2710	2689	2930
11/22/24 14:00	6.97	269.76	17.96	5.06	15.86	29.91	30.43	40.22	1.17	405.96	339.48	17.06	6.38	2739	2700	2930
11/22/24 15:00	6.88	270.32	18.05	5.06	15.85	30.06	30.10	40.22	1.16	407.31	341.66	17.04	6.42	2747	2719	2930
11/22/24 16:00	6.86	274.50	17.83	5.11	15.80	29.80	29.92	40.22	1.16	407.83	342.97	17.04	6.44	2763	2732	2930
11/22/24 17:00	6.91	274.57	16.50	5.17	15.74	27.67	29.18	40.22	1.15	406.00	312.19	17.18	6.20	2606	2750	2930
11/22/24 18:00	6.94	273.60	19.51	5.14	15.76	32.63	30.04	40.21	1.14	402.45	293.21	17.24	6.09	2486	2705	2930
11/22/24 19:00	6.79	273.93	22.57	4.99	15.86	37.34	32.55	40.21	1.15	401.36	278.07	17.23	6.11	2352	2618	2930
11/22/24 20:00	7.01	268.83	26.34	4.90	15.93	43.38	37.78	40.21	1.16	400.93	289.31	17.23	6.07	2435	2481	2930
11/22/24 21:00	7.07	266.90	27.19	4.88	16.00	44.74	41.82	40.21	1.14	400.81	290.44	17.22	6.07	2437	2424	2929
11/22/24 22:00	7.05	267.63	22.89	4.90	15.95	37.70	41.94	40.21	1.14	401.06	294.88	17.23	6.04	2477	2408	2929
11/22/24 23:00	7.02	267.99	21.22	4.99	15.90	35.18	39.21	40.21	1.13	400.29	305.15	17.25	5.98	2564	2450	2929
11/23/24 0:00	6.98	267.03	22.07	5.15	15.79	36.98	36.62	40.21	1.13	401.60	293.88	17.21	6.02	2447	2493	2929
11/23/24 1:00	6.91	266.79	20.61	5.16	15.83	34.56	35.57	40.21	1.13	400.66	281.45	17.25	5.96	2369	2496	2929
11/23/24 2:00	6.96	265.96	21.02	5.22	15.81	35.43	35.66	40.21	1.14	400.32	276.07	17.25	5.94	2320	2460	2929
11/23/24 3:00	6.95	265.61	22.14	5.19	15.73	37.19	35.73	40.21	1.13	400.62	282.23	17.24	5.95	2361	2379	2929
11/23/24 4:00	6.93	266.51	22.78	5.18	15.68	38.19	36.94	40.21	1.12	401.25	300.51	17.23	5.95	2509	2350	2928
11/23/24 5:00	6.91	267.31	22.03	5.20	15.75	37.04	37.48	40.21	1.09	402.43	287.20	17.23	5.96	2391	2396	2928
11/23/24 6:00	6.99	267.60	27.41	5.49	15.70	47.19	40.81	40.21	1.08	402.98	291.42	17.23	5.93	2426	2420	2928
11/23/24 7:00	7.24	268.35	33.70	5.09	16.02	56.44	46.89	40.21	1.09	402.74	303.32	17.24	5.91	2524	2442	2928
11/23/24 8:00	6.91	271.90	33.30	5.08	16.00	55.70	53.11	40.22	1.09	402.30	286.83	17.22	5.89	2371	2447	2928
11/23/24 9:00	6.90	271.95	33.34	5.06	15.91	55.61	55.92	40.22	1.08	401.73	277.70	17.15	5.92	2236	2440	2928
11/23/24 10:00	7.10	272.32	31.00	5.03	15.96	51.60	54.31	40.22	1.08	402.63	276.26	17.15	5.91	2222	2377	2928
11/23/24 11:00	6.89	273.20	30.93	5.04	15.99	51.55	52.92	40.23	1.09	402.24	278.02	17.19	5.87	2269	2276	2927
11/23/24 12:00	6.90	270.54	31.01	5.11	15.80	51.80	51.65	40.23	1.09	401.86	268.41	17.18	5.87	2183	2242	2927
11/23/24 13:00	7.18	269.66	28.86	5.09	15.88	48.21	50.52	40.23	1.10	401.66	287.36	17.11	5.96	2282	2225	2927
11/23/24 14:00	7.12	269.25	29.20	5.08	15.85	48.71	49.57	40.24	1.11	407.49	366.18	16.99	6.18	2827	2245	2927
11/23/24 15:00	7.10	268.14	28.94	5.05	15.91	48.19	48.37	40.24	1.12	411.26	345.18	17.03	6.09	2690	2431	2927
11/23/24 16:00	6.96	266.61	28.													

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
11/24/24 23:00	6.95	267.10	39.73	5.10	16.16	66.73	66.75	40.30	1.13	395.65	251.77	17.36	5.87	2193	2257	2920
11/25/24 0:00	6.89	267.11	40.17	5.25	16.08	68.20	67.65	40.31	1.10	396.79	249.15	17.36	5.82	2161	2230	2920
11/25/24 1:00	6.97	264.08	34.48	5.28	16.19	58.76	64.56	40.31	1.13	395.11	247.02	17.37	5.77	2145	2193	2920
11/25/24 2:00	6.99	262.16	31.67	5.27	16.20	53.96	60.31	40.32	1.12	394.86	249.55	17.36	5.74	2154	2167	2920
11/25/24 3:00	6.93	263.15	30.11	5.36	16.10	51.57	54.76	40.32	1.13	395.37	261.68	17.35	5.76	2254	2154	2919
11/25/24 4:00	7.22	265.27	29.11	5.38	16.09	49.94	51.82	40.32	1.13	393.83	276.02	17.37	5.71	2385	2185	2919
11/25/24 5:00	7.39	267.29	29.23	5.35	16.15	50.08	50.53	40.32	1.13	394.52	259.88	17.37	5.72	2246	2264	2919
11/25/24 6:00	7.30	268.93	33.54	5.46	16.03	57.87	52.63	40.33	1.15	393.32	261.05	17.37	5.72	2254	2295	2919
11/25/24 7:00	7.42	270.61	34.06	5.46	16.48	59.21	55.72	40.33	1.12	394.84	279.24	17.29	5.83	2356	2295	2919
11/25/24 8:00	7.45	271.88	36.76	5.47	16.72	64.24	60.44	40.34	1.08	402.40	273.72	17.28	5.86	2301	2286	2918
11/25/24 9:00	7.37	271.42	38.52	5.53	16.46	67.36	63.60	40.35	1.08	404.35	247.40	17.32	5.80	2113	2304	2918
11/25/24 10:00	7.30	271.32	38.87	5.54	16.61	68.18	66.59	40.36	1.09	405.26	284.02	17.25	5.95	2385	2257	2918
11/25/24 11:00	7.26	270.70	40.34	5.38	16.62	69.82	68.46	40.36	1.09	405.28	245.16	17.30	5.85	2084	2266	2918
11/25/24 12:00	7.17	270.33	38.01	5.30	16.57	65.34	67.78	40.37	1.09	406.12	283.34	17.23	6.00	2365	2194	2918
11/25/24 13:00	7.12	270.72	36.11	5.28	16.71	62.12	65.76	40.38	1.13	404.49	273.68	17.23	6.00	2294	2278	2918
11/25/24 14:00	7.15	268.64	33.31	5.21	16.76	56.99	61.48	40.38	1.16	400.61	253.30	17.26	5.96	2141	2248	2917
11/25/24 15:00	7.17	270.10	31.07	5.12	16.76	52.80	57.30	40.39	1.17	399.29	251.62	17.27	5.95	2125	2267	2917
11/25/24 16:00	7.16	273.83	29.44	5.08	16.68	49.77	53.19	40.39	1.16	398.51	248.79	17.26	5.95	2101	2187	2917
11/25/24 17:00	7.15	273.63	27.05	5.06	16.58	45.61	49.39	40.39	1.15	398.81	245.25	17.26	5.97	2069	2122	2917
11/25/24 18:00	7.19	273.82	22.43	5.08	16.39	37.72	44.37	40.39	1.13	399.39	243.36	17.24	6.03	2052	2098	2916
11/25/24 19:00	7.26	274.10	19.15	4.98	16.40	31.97	38.43	40.39	1.10	402.57	241.54	17.23	6.06	2031	2074	2916
11/25/24 20:00	7.46	268.91	17.20	4.99	16.33	28.70	32.80	40.38	1.08	405.62	242.16	17.21	6.10	2031	2050	2916
11/25/24 21:00	7.43	266.35	16.80	4.96	16.38	28.00	29.56	40.38	1.07	406.99	228.52	17.25	6.07	1934	2038	2916
11/25/24 22:00	7.23	265.47	16.11	5.03	16.29	26.96	27.89	40.38	1.07	408.50	268.58	17.17	6.24	2234	1999	2915
11/25/24 23:00	7.59	264.78	15.69	5.02	16.24	26.22	27.06	40.37	1.07	408.63	230.12	17.23	6.14	1945	2066	2915
11/26/24 0:00	7.51	264.14	17.07	5.18	16.15	28.86	27.35	40.37	1.07	408.12	251.46	17.20	6.21	2111	2038	2915
11/26/24 1:00	7.55	264.36	17.18	5.21	16.28	29.17	28.08	40.37	1.06	409.87	256.90	17.17	6.28	2150	2097	2915
11/26/24 2:00	7.37	264.69	17.72	5.18	16.26	30.02	29.35	40.36	1.07	404.47	241.90	17.22	6.22	2056	2069	2915
11/26/24 3:00	7.27	264.34	15.00	5.21	16.19	25.42	28.20	40.36	1.07	404.39	265.76	17.21	6.14	2228	2105	2914
11/26/24 4:00	7.32	263.58	15.26	5.17	16.16	25.78	27.07	40.35	1.08	404.48	321.90	17.18	6.04	2647	2145	2914
11/26/24 5:00	7.20	263.90	18.70	5.19	16.22	31.69	27.63	40.35	1.08	402.08	283.02	17.23	5.76	2325	2310	2914
11/26/24 6:00	7.22	265.48	22.13	5.21	16.15	37.45	31.64	40.35	1.08	398.70	257.76	17.15	5.55	2018	2400	2914
11/26/24 7:00	7.21	267.71	21.12	5.36	16.13	36.21	35.12	40.35	1.09	394.86	263.94	16.91	5.61	1903	2330	2914
11/26/24 8:00	7.31	269.10	21.17	5.43	16.25	36.56	36.74	40.35	1.09	394.41	277.66	16.96	5.69	2053	2082	2913
11/26/24 9:00	7.14	267.23	21.12	5.21	16.26	35.83	36.20	40.35	1.09	393.93	276.42	17.10	5.70	2150	1991	2913
11/26/24 10:00	7.14	270.66	21.63	5.21	16.23	36.67	36.35	40.35	1.10	395.42	250.11	17.14	5.76	1982	2035	2913
11/26/24 11:00	7.08	273.80	21.31	5.20	16.18	36.07	36.19	40.35	1.09	394.49	254.06	17.15	5.70	2013	2062	2913
11/26/24 12:00	7.04	273.77	22.53	5.20	16.00	38.03	36.92	40.35	1.10	397.68	289.03	17.04	5.86	2225	2048	2912
11/26/24 13:00	7.06	272.58	21.79	5.19	16.04	36.81	36.97	40.34	1.11	404.00	347.13	16.94	6.01	2610	2073	2912
11/26/24 14:00	7.19	268.61	20.96	5.19	16.05	35.38	36.74	40.34	1.11	399.15	269.90	17.19	5.73	2176	2283	2912
11/26/24 15:00	7.17	267.99	21.75	5.22	16.02	36.79	36.33	40.34	1.10	397.08	259.06	17.23	5.73	2122	2337	2912
11/26/24 16:00	7.26	265.95	22.63	5.25	16.00	38.36	36.84	40.34	1.10	396.32	256.19	17.29	5.68	2138	2302	2912
11/26/24 17:00	7.48	265.63	22.07	5.30	15.96	37.54	37.56	40.34	1.09	396.12	244.97	17.28	5.78	2049	2145	2911
11/26/24 18:00	7.49	264.61	24.56	5.33	15.91	41.82	39.24	40.34	1.09	397.13	256.30	17.27	5.84	2153	2103	2911
11/26/24 19:00	7.49	264.82	22.43	5.03	16.11	37.46	38.94	40.34	1.09	397.71	264.60	17.25	5.95	2221	2114	2911
11/26/24 20:00	7.03	263.88	21.38	4.91	16.09	35.31	38.20	40.34	1.10	396.98	270.60	17.29	5.90	2303	2141	2911
11/26/24 21:00	7.12	261.98	20.70	4.89	16.02	34.13	35.63	40.34	1.10	395.93	273.33	17.31	5.79	2319	2226	2911
11/26/24 22:00	7.03	262.11	19.28	4.87	15.92	31.66	33.70	40.33	1.11	395.64	269.59	17.30	5.72	2265	2281	2910
11/26/24 23:00	7.08	262.81	18.48	4.87	15.89	30.33	32.04	40.33	1.11	396.29	269.62	17.30	5.68	2262	2295	2910
11/27/24 0:00	7.10	264.02	21.74	5.13	15.77	36.39	32.80	40.33	1.11	394.76	260.89	17.34	5.53	2194	2282	2910
11/27/24 1:00	7.09	265.88	18.56	5.22	15.83	31.29	32.67	40.33	1.11	393.55	262.61	17.36	5.44	2205	2240	2910
11/27/24 2:00	7.11	266.38	18.85	5.22	15.82	31.78	33.16	40.33	1.11	392.26	259.38	17.34	5.41	2155	2221	2910
11/27/24 3:00	7.11	266.94	19.06	4.86	15.84	31.25	31.44	40.32	1.11	391.50	255.88	17.31	5.45	2109	2185	2909
11/27/24 4:00	7.13	268.17	19.38	4.58	15.93	31.14	31.39	40.32	1.11	392.39	254.64	17.27	5.60	2091	2156	2909
11/27/24 5:00	7.14	268.81	19.32	4.63	15.90	31.12	31.17	40.32	1.11	392.39	246.46	17.35	5.59	2086	2118	2909
11/27/24 6:00	7.22	267.45	21.53	5.99	15.95	38.93	33.73	40.32	1.11	390.84	247.03	17.38	5.60	2120	2095	2909
11/27/24 7:00	7.12	261.21	19.19	4.92	16.20	31.81	33.95	40.32	1.12	390.29	244.87	17.35	5.66	2087	2099	2909
11/27/24 8:00	7.01	260.53	17.56	4.72	16.12	28.60	33.11	40.31	1.11	390.58	251.60	17.32	5.73	2134	2098	2908
11/27/24 9:00	6.99	261.34	18.33	4.74	16.06	29.86	30.09	40.31	1.11	390.30	257.27	17.34	5.80	2209	2114	2908
11/27/24 10:00	7.08	264.17	18.42	4.78	16.04	30.09	29.52	40.31	1.12	391.02	265.73	17.33	5.85	2289	2143	2908
11/27/24 11:00	7.09	266.66	17.04	5.03	16.15	28.42	29.46	40.30	1.10	392.13	264.81	17.30	5.95	2268	2211	2908
11/27/24 12:00	7.27	267.64	19.63	6.00	15.79	35.47	31.33	40.30	1.10	393.52	254.27	17.32	6.02	2208	2256	2908
11/27/24 13:00	7.09	268.53	27.26	5.62	15.95	47.46	37.12	40.30	1.10	395.08	281.16	17.26	6.21	2426	2255	2907
11/27/24 14:00	7.19	268.47	38.13	4.98	15.90	63.14	48.69	40.31	1.10	395.80	269.56	17.33	6.17	2382	2301	2907
11/27/24 15:00	7.29	268.35	35.82	5.05	15.90	59.64	56.75	40.32	1.10	394.94	262.29	17.35	6.15	2336	2339	2907
11/27/24 16:00	7.32	267.87	35.97	4.96	15.99	59.58	60.79	40.32	1.10	396.41	303.34	17.28	6.30	2660	2381	2907
11/27/24 17:00	7.0															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
11/28/24 11:00	7.95	269.28	12.73	4.71	16.20	20.75	22.87	40.26	1.10	398.81	282.19	17.27	5.74	2349	2394	2906
11/28/24 12:00	7.51	270.22	16.41	6.00	16.14	29.92	24.77	40.26	1.10	399.98	286.77	17.26	5.67	2368	2386	2905
11/28/24 13:00	7.41	271.20	13.86	4.83	16.30	22.86	24.51	40.26	1.10	398.91	283.52	17.33	5.48	2361	2390	2905
11/28/24 14:00	7.19	279.82	14.86	4.71	16.22	24.23	25.67	40.25	1.09	396.65	271.64	17.35	5.34	2256	2359	2905
11/28/24 15:00	7.48	279.33	14.90	4.70	16.21	24.26	23.78	40.25	1.09	395.12	266.75	17.36	5.22	2205	2328	2905
11/28/24 16:00	7.45	276.14	14.38	4.71	16.21	23.44	23.97	40.24	1.08	394.62	275.90	17.34	5.21	2259	2274	2905
11/28/24 17:00	7.43	271.84	14.06	4.70	16.18	22.89	23.53	40.24	1.09	393.54	253.12	17.32	5.23	2062	2240	2905
11/28/24 18:00	7.40	268.24	17.90	5.91	16.15	32.30	26.21	40.23	1.09	393.15	250.96	17.33	5.24	2055	2175	2904
11/28/24 19:00	7.20	268.99	17.83	5.25	16.00	30.02	28.40	40.23	1.10	392.45	249.40	17.31	5.28	2028	2125	2904
11/28/24 20:00	7.28	267.77	19.94	4.61	15.83	32.06	31.46	40.23	1.09	393.35	253.87	17.29	5.36	2065	2048	2904
11/28/24 21:00	7.54	271.55	18.79	4.54	15.91	30.09	30.72	40.23	1.10	393.07	257.57	17.33	5.34	2118	2049	2904
11/28/24 22:00	7.33	273.11	19.12	4.55	15.91	30.63	30.93	40.22	1.11	391.82	256.18	17.31	5.25	2078	2070	2903
11/28/24 23:00	7.27	269.88	18.45	4.55	15.89	29.54	30.09	40.22	1.10	391.40	250.68	17.29	5.28	2024	2087	2903
11/29/24 0:00	7.21	266.70	20.54	5.73	15.76	36.23	32.13	40.22	1.11	391.12	253.83	17.32	5.28	2069	2073	2903
11/29/24 1:00	7.35	264.31	19.38	5.21	15.77	32.73	32.83	40.22	1.11	389.75	252.69	17.28	5.33	2039	2057	2903
11/29/24 2:00	7.72	267.37	16.62	4.65	15.91	26.85	31.93	40.21	1.11	388.26	254.46	17.23	5.38	2023	2044	2902
11/29/24 3:00	7.19	269.56	18.67	4.76	15.78	30.33	29.97	40.21	1.11	387.56	249.63	17.28	5.42	2029	2043	2902
11/29/24 4:00	7.75	270.31	17.53	4.75	15.83	28.47	28.55	40.21	1.11	388.45	259.79	17.30	5.43	2127	2030	2902
11/29/24 5:00	7.56	270.28	19.13	4.77	15.79	31.11	29.97	40.21	1.11	388.64	254.05	17.30	5.44	2088	2059	2902
11/29/24 6:00	7.81	269.89	24.33	5.97	15.68	43.73	34.44	40.21	1.12	389.51	256.11	17.30	5.50	2111	2081	2902
11/29/24 7:00	8.10	267.92	22.51	5.70	15.73	39.59	38.14	40.21	1.12	389.59	249.76	17.31	5.37	2047	2108	2901
11/29/24 8:00	8.11	272.06	21.75	4.88	15.91	35.74	39.69	40.21	1.11	387.76	237.60	17.31	5.25	1933	2082	2901
11/29/24 9:00	7.85	272.04	21.46	4.82	16.07	35.20	36.84	40.20	1.12	386.99	237.69	17.31	5.24	1930	2030	2901
11/29/24 10:00	7.45	270.02	22.20	4.81	15.98	36.32	35.75	40.20	1.12	385.84	236.50	17.30	5.15	1899	1970	2901
11/29/24 11:00	7.49	270.49	20.71	4.74	15.91	33.65	35.06	40.20	1.12	385.97	234.69	17.31	5.17	1891	1921	2900
11/29/24 12:00	7.22	270.85	23.30	5.72	15.65	40.90	36.96	40.20	1.12	385.03	235.72	17.34	5.06	1905	1907	2900
11/29/24 13:00	7.35	276.65	21.85	5.36	15.67	37.19	37.24	40.20	1.11	383.80	228.83	17.33	5.05	1838	1898	2900
11/29/24 14:00	7.43	271.45	23.38	4.77	15.67	37.95	38.68	40.20	1.12	384.12	234.59	17.32	5.15	1897	1878	2899
11/29/24 15:00	7.50	274.39	22.37	4.71	15.71	36.17	37.10	40.20	1.13	383.95	234.91	17.35	5.10	1917	1880	2899
11/29/24 16:00	7.28	273.25	22.81	4.72	15.69	36.91	37.01	40.20	1.13	382.13	228.67	17.36	5.04	1860	1884	2899
11/29/24 17:00	7.29	273.22	23.39	4.75	15.68	37.91	37.00	40.20	1.12	383.56	235.98	17.29	5.23	1900	1891	2899
11/29/24 18:00	7.39	276.07	26.02	5.68	15.59	45.41	40.08	40.20	1.13	384.18	235.99	17.34	5.23	1939	1892	2898
11/29/24 19:00	7.40	275.42	20.72	5.14	15.66	34.95	39.43	40.20	1.14	383.69	225.58	17.36	5.25	1867	1899	2898
11/29/24 20:00	7.55	270.97	16.22	4.60	15.69	26.00	35.46	40.19	1.13	383.02	230.94	17.34	5.24	1897	1902	2898
11/29/24 21:00	7.45	265.08	15.40	4.58	15.69	24.65	28.54	40.19	1.14	383.15	226.81	17.34	5.28	1867	1901	2898
11/29/24 22:00	7.21	263.39	16.65	4.67	15.62	26.80	25.82	40.19	1.13	384.37	227.62	17.31	5.43	1872	1877	2897
11/29/24 23:00	7.65	260.69	16.83	4.71	15.59	27.17	26.21	40.18	1.13	384.48	225.75	17.31	5.46	1867	1878	2897
11/30/24 0:00	7.78	262.37	22.78	5.69	15.50	39.88	31.28	40.18	1.14	384.62	238.14	17.35	5.40	1984	1868	2897
11/30/24 1:00	7.73	264.61	19.16	5.40	15.63	32.74	33.26	40.18	1.13	383.94	234.97	17.35	5.35	1950	1907	2896
11/30/24 2:00	7.34	266.49	18.27	4.77	15.59	29.63	34.08	40.18	1.14	383.78	233.69	17.34	5.32	1934	1933	2896
11/30/24 3:00	7.34	266.11	16.08	4.74	15.67	26.04	29.47	40.17	1.13	383.55	239.13	17.33	5.30	1964	1956	2896
11/30/24 4:00	7.16	264.13	16.15	4.77	15.67	26.23	27.30	40.17	1.13	383.78	238.62	17.32	5.33	1954	1949	2896
11/30/24 5:00	7.29	266.36	16.40	4.79	15.65	26.66	26.31	40.17	1.14	383.91	240.48	17.33	5.30	1973	1951	2895
11/30/24 6:00	7.39	266.91	18.75	5.62	15.52	32.59	28.49	40.16	1.15	384.05	237.08	17.32	5.32	1943	1964	2895
11/30/24 7:00	7.48	267.91	17.91	6.00	15.37	31.96	30.40	40.16	1.14	384.40	236.63	17.29	5.32	1917	1957	2895
11/30/24 8:00	7.56	268.16	18.41	5.21	15.34	30.76	31.77	40.16	1.14	384.71	237.50	17.28	5.28	1913	1944	2895
11/30/24 9:00	7.67	265.27	18.99	5.21	15.28	31.71	31.48	40.16	1.13	383.90	231.97	17.35	5.14	1896	1924	2894
11/30/24 10:00	7.73	267.63	18.92	5.02	15.63	31.29	31.25	40.15	1.14	382.90	237.50	17.34	5.07	1925	1909	2894
11/30/24 11:00	7.69	271.50	18.75	4.78	15.67	30.45	31.15	40.15	1.03	381.47	227.54	17.37	4.94	1842	1911	2894
11/30/24 12:00	7.41	270.46	21.52	5.57	15.66	37.27	33.00	40.15	1.14	381.01	231.63	17.33	5.00	1858	1888	2894
11/30/24 13:00	7.10	266.20	20.38	5.55	15.71	35.26	34.33	40.15	1.13	382.80	233.06	17.30	5.15	1867	1875	2893
11/30/24 14:00	7.25	263.89	19.86	4.79	15.75	32.34	34.96	40.15	1.14	384.06	232.04	17.29	5.24	1867	1856	2893
11/30/24 15:00	7.34	261.71	19.10	4.81	15.75	31.12	32.91	40.14	1.13	383.85	232.77	17.31	5.19	1880	1864	2893
11/30/24 16:00	7.38	262.94	17.67	4.78	15.78	28.75	30.74	40.14	1.13	385.63	236.56	17.27	5.33	1904	1872	2892
11/30/24 17:00	7.16	264.34	19.41	4.84	15.73	31.70	30.53	40.14	1.13	386.70	237.50	17.26	5.40	1919	1884	2892
11/30/24 18:00	7.55	265.62	22.72	5.65	15.61	39.58	33.34	40.14	1.14	385.83	239.23	17.29	5.37	1942	1901	2892
11/30/24 19:00	7.61	266.24	19.16	5.08	15.71	32.04	34.44	40.14	1.15	385.93	243.97	17.27	5.45	1983	1922	2892
11/30/24 20:00	7.58	265.68	17.45	4.62	15.73	28.03	33.22	40.13	1.14	384.81	237.04	17.33	5.35	1952	1948	2891
11/30/24 21:00	7.30	266.65	17.20	4.60	15.79	27.61	29.23	40.13	1.15	384.42	235.55	17.33	5.35	1943	1959	2891
11/30/24 22:00	7.12	266.26	16.55	4.65	15.76	26.66	27.43	40.13	1.14	384.50	235.78	17.32	5.34	1936	1959	2891
11/30/24 23:00	6.91	261.97	16.01	4.74	15.69	25.92	26.73	40.12	1.15	384.46	231.72	17.32	5.37	1902	1943	2891
12/1/24 0:00	7.07	259.29	16.53	5.56	15.55	28.62	27.07	40.12	1.14	384.14	238.34	17.34	5.31	1964	1927	2890
12/1/24 1:00	6.98	259.75	14.73	5.65	15.65	25.65	26.73	40.12	1.14	384.13	239.65	17.30	5.36	1959	1934	2890
12/1/24 2:00	6.99	262.67	14.39	4.86	15.72	23.56	25.94	40.11	1.14	384.39	233.63	17.30	5.41	1917	1942	2890
12/1/24 3:00	6.87	263.78	15.21	4.85	15.74	24.86	24.69	40.11	1.14	385.22	238.34	17.29	5.48	1954	1946	2890
12/1/24 4:00	6.93	262.18	14.51	4.85	15.72	23.72	24.05	40.10	1.14	385.48	241.18	17.30	5.47	1985	1943	2889
12/1/24 5:00	6.93															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, H2O Corrected ppmv	ppmv
12/1/24 23:00	6.73	264.51	10.86	4.64	15.63	17.44	18.95	40.05	1.13	386.23	229.90	17.26	5.66	1892	1880	2884
12/2/24 0:00	6.81	264.66	18.62	5.66	15.52	32.69	22.16	40.05	1.13	387.53	249.59	17.29	5.66	2078	1885	2884
12/2/24 1:00	6.83	268.48	21.50	5.45	15.58	36.81	28.98	40.05	1.13	386.52	233.93	17.33	5.55	1964	1950	2884
12/2/24 2:00	6.92	267.26	20.73	4.78	15.60	33.65	34.38	40.05	1.13	386.75	226.88	17.29	5.65	1886	1978	2884
12/2/24 3:00	6.86	264.26	18.38	4.78	15.60	29.81	33.42	40.04	1.13	387.22	226.48	17.32	5.78	1926	1976	2883
12/2/24 4:00	6.98	259.95	13.70	4.83	15.54	22.29	28.58	40.04	1.13	387.86	239.63	17.33	5.65	2022	1925	2883
12/2/24 5:00	7.17	259.30	12.28	4.89	15.51	20.06	24.05	40.03	1.12	387.57	239.22	17.35	5.60	2030	1945	2883
12/2/24 6:00	7.52	261.17	18.43	5.73	15.60	32.51	24.95	40.03	1.12	384.04	247.85	17.47	5.18	2135	1993	2883
12/2/24 7:00	7.10	263.05	17.77	5.46	15.70	30.62	27.73	40.03	1.10	372.00	250.16	17.65	4.46	2175	2062	2883
12/2/24 8:00	7.23	263.66	14.47	4.81	15.66	23.56	28.90	40.02	1.13	376.47	238.58	17.39	5.18	1985	2113	2882
12/2/24 9:00	7.17	263.45	12.72	5.04	15.97	21.19	25.13	40.02	1.13	383.14	226.68	17.34	5.24	1861	2099	2882
12/2/24 10:00	7.41	259.14	13.98	5.11	16.23	23.53	22.76	40.01	1.13	387.33	243.23	17.31	5.33	1991	2007	2882
12/2/24 11:00	7.52	261.49	14.25	5.14	16.18	24.02	22.91	40.01	1.13	389.02	236.77	17.34	5.30	1953	1946	2882
12/2/24 12:00	7.62	263.02	17.75	6.04	15.83	32.30	26.62	40.01	1.12	389.73	239.96	17.35	5.29	1986	1935	2881
12/2/24 13:00	7.36	264.41	23.76	5.67	15.77	41.55	32.62	40.01	1.12	390.10	235.11	17.35	5.31	1949	1977	2881
12/2/24 14:00	7.42	263.98	25.73	5.02	15.76	42.66	38.84	40.01	1.12	389.85	234.45	17.37	5.25	1948	1963	2881
12/2/24 15:00	7.27	263.59	27.26	5.00	15.81	45.14	43.11	40.01	1.13	388.94	233.41	17.37	5.20	1934	1961	2881
12/2/24 16:00	7.28	265.03	28.58	5.03	15.81	47.44	45.08	40.01	1.13	388.20	228.84	17.37	5.17	1888	1944	2880
12/2/24 17:00	7.36	268.42	28.15	4.92	15.88	46.38	46.32	40.01	1.13	388.39	234.44	17.34	5.27	1927	1923	2880
12/2/24 18:00	7.39	265.52	27.56	5.80	15.72	48.71	47.51	40.02	1.12	389.78	227.78	17.32	5.42	1882	1917	2880
12/2/24 19:00	7.41	262.53	21.29	5.18	15.82	36.30	43.80	40.01	1.14	389.99	237.24	17.35	5.41	1983	1899	2880
12/2/24 20:00	7.72	262.74	15.15	4.68	15.75	24.45	36.49	40.01	1.14	389.00	239.08	17.36	5.36	1995	1931	2879
12/2/24 21:00	7.78	264.12	15.62	4.67	15.73	25.17	28.64	40.01	1.14	389.49	246.08	17.31	5.43	2029	1953	2879
12/2/24 22:00	7.72	268.06	14.55	4.66	15.74	23.45	24.36	40.00	1.14	389.69	238.89	17.30	5.48	1971	2002	2879
12/2/24 23:00	7.53	270.33	13.83	4.65	15.77	22.28	23.63	40.00	1.13	389.07	233.36	17.35	5.40	1951	1998	2879
12/3/24 0:00	7.37	266.26	17.37	5.50	15.65	29.97	25.23	39.99	1.13	387.89	238.81	17.35	5.58	2021	1983	2878
12/3/24 1:00	7.32	265.10	14.96	5.57	15.70	25.93	26.06	39.99	1.14	387.65	234.00	17.37	5.57	2001	1981	2878
12/3/24 2:00	7.26	263.11	14.48	4.84	15.76	23.65	26.52	39.99	1.13	387.93	236.36	17.35	5.51	1991	1991	2878
12/3/24 3:00	7.12	264.03	15.90	4.76	15.75	25.83	25.14	39.98	1.16	389.98	244.74	17.27	5.87	2057	2004	2878
12/3/24 4:00	7.13	264.70	17.78	4.83	15.64	28.98	26.15	39.98	1.20	390.55	249.83	17.28	6.04	2139	2016	2877
12/3/24 5:00	7.57	265.54	16.96	4.83	15.64	27.64	27.48	39.98	1.18	391.02	257.34	17.28	6.11	2215	2062	2877
12/3/24 6:00	7.55	265.17	18.58	5.69	15.60	32.46	29.69	39.97	1.19	390.84	255.43	17.29	6.01	2188	2137	2877
12/3/24 7:00	7.49	268.64	12.72	5.54	15.73	22.02	27.37	39.97	1.19	389.77	248.07	17.33	5.78	2116	2181	2877
12/3/24 8:00	7.18	272.27	14.65	5.02	15.70	24.27	26.25	39.97	1.20	387.75	238.74	17.34	5.69	2037	2173	2877
12/3/24 9:00	7.27	272.86	17.40	5.04	15.54	28.78	25.02	39.96	1.20	387.80	232.61	17.36	5.62	1989	2114	2876
12/3/24 10:00	7.30	272.23	18.02	5.06	15.41	29.79	27.61	39.96	1.16	390.11	248.01	17.34	5.62	2104	2047	2876
12/3/24 11:00	7.38	267.91	18.22	5.06	15.40	30.12	29.56	39.96	1.14	392.45	261.09	17.36	5.52	2211	2043	2876
12/3/24 12:00	7.47	267.41	20.98	5.93	15.32	37.31	32.41	39.96	1.14	392.66	273.33	17.38	5.45	2315	2101	2876
12/3/24 13:00	7.46	267.81	17.68	5.73	15.44	30.90	32.78	39.95	1.13	393.92	273.04	17.36	5.50	2308	2210	2876
12/3/24 14:00	7.23	264.07	18.06	5.05	15.42	29.83	32.68	39.95	1.13	395.38	312.39	17.36	5.54	2651	2278	2876
12/3/24 15:00	7.31	263.69	18.61	5.02	15.44	30.68	30.47	39.95	1.14	394.12	352.89	17.36	5.38	2956	2425	2875
12/3/24 16:00	7.35	267.68	15.78	4.80	15.62	25.67	28.73	39.95	1.14	393.42	276.41	17.33	5.31	2269	2638	2875
12/3/24 17:00	7.27	269.47	13.18	4.76	15.70	21.38	25.91	39.94	1.14	393.20	265.93	17.28	5.39	2156	2625	2875
12/3/24 18:00	7.27	268.59	13.97	5.60	15.61	24.32	23.79	39.94	1.13	393.98	271.09	17.22	5.61	2192	2460	2875
12/3/24 19:00	7.33	263.62	14.87	5.32	15.70	25.20	23.63	39.93	1.14	394.82	275.84	17.26	5.64	2264	2206	2875
12/3/24 20:00	7.56	262.35	17.30	5.02	15.56	28.58	26.03	39.93	1.13	394.45	279.65	17.28	5.62	2311	2204	2875
12/3/24 21:00	7.65	261.94	18.23	5.03	15.57	30.15	27.97	39.93	1.13	394.00	270.30	17.32	5.51	2252	2256	2875
12/3/24 22:00	7.61	262.58	17.43	4.96	15.58	28.66	29.13	39.92	1.14	391.32	257.92	17.39	5.31	2174	2276	2874
12/3/24 23:00	7.29	264.23	17.18	4.92	15.60	28.19	29.00	39.92	1.13	390.95	259.38	17.28	5.43	2112	2246	2874
12/4/24 0:00	7.12	265.04	24.56	5.11	15.43	40.79	32.55	39.92	1.14	390.64	258.08	17.30	5.35	2105	2179	2874
12/4/24 1:00	7.33	262.79	24.04	5.24	15.42	40.34	36.44	39.92	1.13	391.13	261.69	17.25	5.42	2101	2130	2874
12/4/24 2:00	8.01	262.67	26.09	5.31	15.46	44.00	41.71	39.92	1.13	391.29	260.12	17.23	5.43	2079	2106	2874
12/4/24 3:00	8.19	262.91	60.75	5.23	15.69	102.30	62.21	39.94	1.14	391.60	261.31	17.29	5.41	2133	2095	2873
12/4/24 4:00</																

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
12/5/24 11:00	8.01	275.05	26.91	5.11	15.37	44.64	44.25	39.95	1.15	388.57	252.83	17.41	5.01	2095	2578	2879
12/5/24 12:00	7.79	275.59	30.90	5.19	15.37	51.58	47.39	39.95	1.14	383.95	232.96	17.35	4.90	1866	2381	2879
12/5/24 13:00	7.98	276.24	27.80	5.27	15.39	46.72	47.65	39.95	1.15	383.22	226.46	17.34	5.10	1835	2136	2878
12/5/24 14:00	8.04	279.94	29.53	5.29	15.35	49.67	49.32	39.96	1.16	384.04	260.66	17.44	5.12	2205	1932	2878
12/5/24 15:00	8.03	282.52	29.18	5.32	15.35	49.18	48.52	39.96	1.17	384.33	347.85	17.35	5.23	2850	1969	2878
12/5/24 16:00	8.02	288.29	27.78	5.25	15.38	46.61	48.49	39.96	1.17	387.75	1100.41	17.29	5.32	8784	2297	2878
12/5/24 17:00	7.82	286.36	26.34	5.12	15.34	43.70	46.50	39.96	1.18	390.42	1563.32	17.30	5.38	12861	4613	2879
12/5/24 18:00	7.48	281.66	29.50	5.26	15.23	49.42	46.58	39.96	1.19	385.13	573.25	17.47	5.37	5012	8165	2882
12/5/24 19:00	7.71	278.09	22.86	4.91	15.30	37.59	43.57	39.96	1.19	387.39	534.01	17.39	5.61	4606	8886	2883
12/5/24 20:00	7.67	276.44	20.01	4.57	15.37	31.84	39.62	39.96	1.19	387.41	467.57	17.46	5.60	4130	7493	2883
12/5/24 21:00	7.48	270.29	20.12	4.52	15.49	31.96	33.79	39.96	1.23	385.74	270.30	17.47	5.69	2433	4583	2883
12/5/24 22:00	7.34	270.95	19.73	4.52	15.52	31.33	31.71	39.96	1.21	386.92	270.29	17.48	5.78	2459	3723	2883
12/5/24 23:00	7.34	268.15	19.52	4.55	15.54	31.09	31.46	39.95	1.21	387.98	305.02	17.47	5.76	2753	3007	2883
12/6/24 0:00	7.46	267.51	21.07	5.59	15.44	36.48	32.97	39.95	1.18	388.06	423.46	17.48	5.66	3832	2548	2883
12/6/24 1:00	7.41	270.42	20.60	5.17	15.45	34.38	33.98	39.95	1.19	387.57	302.70	17.49	5.60	2719	3015	2883
12/6/24 2:00	7.54	269.20	22.18	4.70	15.46	35.68	35.51	39.95	1.17	388.18	302.59	17.48	5.51	2693	3101	2883
12/6/24 3:00	7.67	269.19	22.71	4.75	15.51	36.73	35.59	39.95	1.19	386.95	286.78	17.50	5.45	2552	3082	2883
12/6/24 4:00	7.85	267.41	23.88	4.79	15.54	38.76	37.05	39.95	1.17	388.19	350.22	17.47	5.51	3088	2655	2883
12/6/24 5:00	7.93	261.15	23.07	4.74	15.50	37.27	37.58	39.95	1.16	388.37	405.73	17.48	5.38	3564	2778	2883
12/6/24 6:00	7.65	261.85	25.42	5.58	15.39	43.83	39.95	39.95	1.17	386.99	344.98	17.50	5.33	3037	3068	2883
12/6/24 7:00	7.80	262.85	23.36	5.60	15.43	40.40	40.50	39.95	1.18	385.25	282.23	17.48	5.19	2444	3230	2883
12/6/24 8:00	8.02	260.71	23.66	4.91	15.37	38.64	40.96	39.95	1.18	384.69	332.65	17.49	5.05	2857	3015	2883
12/6/24 9:00	8.02	260.53	23.72	5.09	15.40	39.30	39.45	39.95	1.16	384.04	271.49	17.46	5.06	2301	2779	2883
12/6/24 10:00	8.24	261.83	23.54	4.86	15.36	38.28	38.74	39.95	1.16	386.17	263.99	17.41	5.23	2225	2534	2883
12/6/24 11:00	8.16	264.69	22.24	4.79	15.41	36.01	37.86	39.95	1.16	387.07	281.46	17.46	5.23	2424	2461	2883
12/6/24 12:00	7.80	266.23	23.77	5.52	15.35	40.81	38.37	39.95	1.14	382.50	647.39	17.66	4.70	5773	2316	2883
12/6/24 13:00	7.76	267.39	21.53	5.64	15.43	37.31	38.04	39.95	1.14	377.63	667.01	17.70	4.50	5933	3474	2884
12/6/24 14:00	7.76	268.27	21.48	4.86	15.41	34.95	37.69	39.95	1.13	375.30	703.09	17.68	4.49	6210	4710	2884
12/6/24 15:00	7.86	269.96	21.87	4.80	15.44	35.44	35.90	39.95	1.16	381.29	385.25	17.42	5.16	3231	5972	2885
12/6/24 16:00	7.87	269.44	21.04	4.78	15.51	34.09	34.83	39.94	1.16	384.03	213.42	17.51	5.10	1856	5124	2885
12/6/24 17:00	7.65	266.20	21.60	4.80	15.44	35.03	34.85	39.94	1.15	383.12	208.37	17.54	5.13	1838	3766	2885
12/6/24 18:00	7.77	264.26	23.02	5.54	15.31	39.53	36.22	39.94	1.15	384.17	222.89	17.53	5.20	1969	2308	2885
12/6/24 19:00	8.09	269.42	19.22	5.26	15.39	32.50	35.69	39.94	1.14	385.19	232.94	17.53	5.26	2068	1888	2885
12/6/24 20:00	8.02	270.68	17.00	4.85	15.36	27.63	33.22	39.94	1.14	385.48	231.52	17.53	5.29	2060	1958	2884
12/6/24 21:00	8.03	272.57	16.69	4.85	15.37	27.12	29.08	39.93	1.15	385.40	233.58	17.55	5.19	2076	2032	2884
12/6/24 22:00	8.00	273.56	14.89	4.78	15.42	24.09	26.28	39.93	1.16	383.48	236.58	17.55	5.08	2081	2068	2884
12/6/24 23:00	7.49	269.49	17.60	4.79	15.40	28.49	26.57	39.93	1.15	382.90	247.99	17.47	5.13	2124	2072	2884
12/7/24 0:00	7.58	265.39	18.84	5.16	15.37	31.40	27.99	39.92	1.15	386.12	269.01	17.40	5.33	2281	2094	2884
12/7/24 1:00	7.28	265.18	18.90	5.33	15.44	31.94	30.61	39.92	1.16	387.88	276.97	17.41	5.37	2364	2162	2883
12/7/24 2:00	7.48	266.57	17.53	5.35	15.43	29.68	31.01	39.92	1.16	387.78	274.14	17.41	5.29	2318	2256	2883
12/7/24 3:00	7.53	266.90	15.38	5.09	15.47	25.52	29.05	39.92	1.16	387.58	273.58	17.38	5.41	2312	2321	2883
12/7/24 4:00	7.58	266.07	14.73	4.88	15.49	24.04	26.41	39.91	1.16	389.10	271.50	17.37	5.52	2312	2331	2883
12/7/24 5:00	7.65	264.50	15.77	4.91	15.47	25.78	25.11	39.91	1.16	389.27	276.75	17.41	5.42	2372	2314	2883
12/7/24 6:00	8.00	270.97	15.62	5.15	15.42	26.01	25.27	39.90	1.15	389.74	274.33	17.34	5.63	2323	2332	2883
12/7/24 7:00	7.61	271.42	13.82	5.26	15.60	23.30	25.03	39.90	1.15	392.02	275.81	17.32	5.79	2346	2336	2882
12/7/24 8:00	7.56	271.39	15.23	5.30	15.75	25.81	25.04	39.90	1.16	392.23	277.99	17.38	5.72	2416	2347	2882
12/7/24 9:00	7.59	271.80	15.20	5.30	15.74	25.75	24.95	39.89	1.15	391.99	281.52	17.37	5.71	2432	2362	2882
12/7/24 10:00	7.88	266.36	14.67	5.13	16.07	24.66	25.41	39.89	1.15	392.43	293.89	17.41	5.63	2565	2398	2882
12/7/24 11:00	7.59	264.32	12.11	4.95	15.88	19.99	23.47	39.88	1.15	391.51	275.13	17.38	5.67	2383	2471	2882
12/7/24 12:00	7.62	262.42	14.39	5.18	15.62	24.12	22.92	39.88	1.14	392.97	278.15	17.37	5.74	2404	2446	2882
12/7/24 13:00	7.86	263.44	11.44	5.25	15.62	19.28	21.13	39.87	1.14	393.49	274.96	17.38	5.75	2395	2451	2882
12/7/24 14:00	7.93	264.68	10.21	5.27	15.57	17.21	20.20	39.87	1.14	393.69	280.21	17.30	5.96	2401	2394	2882
12/7/24 15:00	7.97	265.33	10.25	5.26	15.57	17.25	17.91	39.86	1.14	392.48	317.09	17.35	5.92	2770	2400	2882
12/7/24 16:00	7.91	264.99	10.72	5.22	15.62	18.02	17.49	39.86	1.15	391.19	286.93	17.41	5.83	2546	2522	2881
12/7/24 17:00	7.74	268.82	10.15	5.18	15.61	16.98	17.42	39.85	1.14	389.31	271.43	17.43	5.70	2402	2572	2881
12/7/24 18:00	7.89	268.68	13.76	5.20	15.54	23.03	19.34	39.85	1.14	389.56	270.32	17.45	5.63	2393	2573	2881
12/7/24 19:00	7.95	265.96	14.42	5.09	15.68	23.93	21.31	39.84	1.13	389.43	263.21	17.44	5.64	2323	2447	2881
12/7/24 20:00	7.80	265.91	16.65	4.92	15.78	27.40	24.78	39.84	1.13	390.47	255.46	17.43	5.67	2255	2373	2881
12/7/24 21:00	7.48	270.32	16.20	4.92	15.80	26.66	26.00	39.84	1.13	390.84	257.05	17.45	5.68	2287	2324	2881
12/7/24 22:00	7.49	269.08	15.28	4.93	15.80	25.16	26.40	39.83	1.13	392.58	267.01	17.37	5.79	2324	2288	2881
12/7/24 23:00	7.44	268.05	14.85	4.96	15.79	24.51	25.44	39.83	1.13	393.18	266.68	17.41	5.73	2347	2289	2881
12/8/24 0:00	7.61	272.24	14.48	5.20	15.57	24.26	24.64	39.82	1.12	395.20	276.38	17.37	5.81	2406	2319	2880
12/8/24 1:00	7.90	275.26	15.83	5.15	15.72	26.49	25.08	39.82	1.13	395.57	271.72	17.42	5.68	2387	2359	2880
12/8/24 2:00	7.83	275.90	13.68	5.10	15.72	22.80	24.52	39.82	1.12	395.69	266.69	17.37	5.75	2312	2380	2880
12/8/24 3:00	7.53	276.41	13.15	5.11	15.73	21.95	23.75	39.81	1.12	398.27	279.72	17.34	5.86	2416	2369	2880
12/8/24 4:00	7.42	271.63	16.08	5.08	15.75	26.79	23.84	39.81	1.12	398.25	287.25	17.35	5.81	2480	2372	2880
12/8/24 5:00	7.49	275.01	17.35	5.07	15.81	28.89	25.87									

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
12/8/24 23:00	7.96	272.46	17.92	5.26	15.83	30.31	30.57	39.77	1.17	405.48	334.86	17.29	6.78	3078	3431	2880
12/9/24 0:00	8.03	278.29	18.28	5.25	15.75	30.87	30.46	39.77	1.15	405.63	300.06	17.31	6.72	2770	3271	2880
12/9/24 1:00	7.73	277.50	18.72	5.28	15.79	31.69	30.96	39.77	1.12	408.04	280.05	17.32	6.68	2582	3036	2880
12/9/24 2:00	7.84	273.17	19.25	5.30	15.73	32.60	31.72	39.76	1.14	407.13	277.46	17.32	6.62	2548	2810	2880
12/9/24 3:00	7.89	269.74	18.52	5.23	15.80	31.23	31.84	39.76	1.16	406.12	271.64	17.31	6.60	2479	2633	2880
12/9/24 4:00	7.63	271.23	18.63	5.20	15.83	31.37	31.73	39.76	1.19	403.38	273.29	17.30	6.60	2475	2536	2880
12/9/24 5:00	7.60	273.23	16.09	5.17	15.88	27.05	29.88	39.76	1.23	400.46	269.66	17.30	6.57	2437	2501	2880
12/9/24 6:00	7.45	271.15	15.61	5.24	15.74	26.31	28.24	39.75	1.24	397.39	260.71	17.33	6.48	2376	2464	2880
12/9/24 7:00	7.52	274.82	15.18	5.63	15.74	26.43	26.59	39.75	1.26	394.73	258.90	17.33	6.33	2323	2430	2880
12/9/24 8:00	7.77	278.44	14.65	5.56	15.65	25.32	26.02	39.75	1.24	393.05	259.06	17.31	6.25	2285	2379	2880
12/9/24 9:00	7.50	277.35	14.80	5.61	15.63	25.68	25.81	39.74	1.25	392.39	272.79	17.31	6.23	2404	2328	2879
12/9/24 10:00	7.64	275.25	13.96	5.42	15.83	23.93	24.98	39.74	1.25	392.93	264.07	17.28	6.28	2308	2337	2879
12/9/24 11:00	7.61	275.76	15.17	5.40	15.93	26.02	25.21	39.73	1.25	394.25	253.63	17.25	6.33	2204	2333	2879
12/9/24 12:00	7.59	272.11	16.31	5.28	16.01	27.71	25.89	39.73	1.24	397.10	260.85	17.23	6.34	2245	2306	2879
12/9/24 13:00	7.30	271.27	14.97	5.21	16.25	25.40	26.38	39.73	1.25	399.31	275.40	17.20	6.37	2352	2253	2879
12/9/24 14:00	7.17	275.35	14.52	5.21	16.19	24.61	25.91	39.72	1.24	400.75	359.31	17.21	6.36	3069	2267	2879
12/9/24 15:00	7.16	270.38	13.46	5.23	16.18	22.83	24.28	39.72	1.24	402.87	300.20	17.18	6.34	2530	2555	2879
12/9/24 16:00	7.26	270.32	12.55	5.18	16.20	21.21	22.88	39.71	1.23	404.63	603.30	17.15	6.41	5070	2650	2879
12/9/24 17:00	7.33	268.12	12.58	5.03	16.29	21.05	21.70	39.71	1.21	402.93	874.82	17.24	6.33	7573	3556	2879
12/9/24 18:00	7.19	267.76	13.98	4.95	16.14	23.20	21.82	39.71	1.18	404.11	319.44	17.17	6.46	2717	5058	2880
12/9/24 19:00	7.05	271.96	16.88	4.57	16.12	27.14	23.80	39.70	1.19	406.26	308.70	17.16	6.50	2622	5120	2880
12/9/24 20:00	7.21	268.76	18.17	4.51	16.39	29.24	26.53	39.70	1.17	407.46	336.14	17.15	6.57	2864	4304	2880
12/9/24 21:00	7.25	269.21	19.24	4.55	16.45	31.08	29.15	39.70	1.16	408.09	370.85	17.16	6.58	3172	2734	2880
12/9/24 22:00	7.06	271.14	22.72	4.65	16.46	37.01	32.44	39.70	1.16	408.95	367.50	17.16	6.59	3139	2886	2880
12/9/24 23:00	7.40	271.14	11.12	5.35	15.84	18.80	28.96	39.69	1.14	410.04	379.74	17.14	6.61	3231	3058	2880
12/10/24 0:00	7.00	268.61	14.23	5.80	16.40	25.39	27.07	39.69	1.12	411.98	368.45	17.15	6.59	3143	3181	2881
12/10/24 1:00	6.97	264.80	8.82	5.62	16.36	15.54	19.91	39.68	1.12	411.26	356.42	17.16	6.52	3031	3171	2881
12/10/24 2:00	6.96	263.80	21.78	4.80	16.48	35.70	25.55	39.68	1.12	412.50	377.06	17.17	6.52	3217	3135	2881
12/10/24 3:00	6.93	264.75	28.56	4.86	16.54	47.37	32.87	39.68	1.12	411.38	385.55	17.20	6.48	3320	3130	2881
12/10/24 4:00	7.45	265.32	27.37	4.87	16.48	45.37	42.81	39.68	1.13	411.04	337.89	17.22	6.45	2924	3190	2881
12/10/24 5:00	7.51	265.06	27.16	4.85	16.50	44.98	45.91	39.69	1.13	408.72	324.35	17.25	6.38	2825	3154	2881
12/10/24 6:00	7.39	262.80	25.01	5.75	16.33	44.62	44.99	39.69	1.13	410.05	303.56	17.26	6.37	2649	3023	2881
12/10/24 7:00	6.97	263.88	29.67	5.70	16.49	52.73	47.44	39.69	1.11	408.75	292.55	17.28	6.28	2562	2799	2881
12/10/24 8:00	7.51	266.58	30.24	5.01	16.45	50.69	49.35	39.69	1.12	406.43	289.42	17.29	6.23	2528	2679	2881
12/10/24 9:00	7.37	265.32	32.08	5.25	16.45	54.79	52.74	39.70	1.10	406.08	284.72	17.30	6.25	2508	2580	2881
12/10/24 10:00	7.60	268.25	29.45	4.92	16.57	49.09	51.52	39.70	1.12	409.26	292.04	17.28	6.37	2571	2533	2881
12/10/24 11:00	7.28	267.44	30.49	4.91	16.55	50.76	51.54	39.70	1.12	408.61	290.82	17.29	6.37	2576	2535	2880
12/10/24 12:00	7.36	265.59	32.47	5.37	16.47	56.10	51.98	39.71	1.15	407.53	310.50	17.26	6.41	2728	2551	2880
12/10/24 13:00	7.30	265.45	30.43	5.57	16.55	53.46	53.44	39.71	1.17	406.22	310.88	17.27	6.41	2735	2625	2880
12/10/24 14:00	7.31	264.93	26.42	5.07	16.59	44.66	51.41	39.71	1.12	408.47	314.16	17.25	6.46	2754	2680	2880
12/10/24 15:00	7.10	268.21	25.88	4.75	16.67	42.64	46.92	39.71	1.09	412.36	311.77	17.22	6.52	2718	2739	2880
12/10/24 16:00	6.83	271.99	26.01	4.77	16.67	42.91	43.40	39.71	1.09	411.75	309.96	17.21	6.57	2703	2735	2880
12/10/24 17:00	6.85	271.50	27.89	4.83	16.53	46.13	43.89	39.71	1.11	413.80	299.71	17.21	6.56	2611	2725	2880
12/10/24 18:00	7.28	264.79	28.82	5.41	16.41	49.95	46.33	39.72	1.17	404.78	294.78	17.27	6.41	2600	2677	2880
12/10/24 19:00	7.11	266.10	22.81	5.03	16.39	38.48	44.85	39.72	1.18	399.34	268.01	17.34	6.26	2400	2638	2880
12/10/24 20:00	7.19	269.38	20.53	4.75	16.30	33.63	40.68	39.71	1.17	398.53	258.30	17.34	6.22	2310	2537	2880
12/10/24 21:00	7.31	272.02	18.85	4.71	16.32	30.79	34.30	39.71	1.14	400.51	253.87	17.37	6.19	2284	2437	2880
12/10/24 22:00	7.03	269.87	20.55	4.74	16.32	33.64	32.68	39.71	1.12	402.76	251.46	17.36	6.21	2258	2332	2880
12/10/24 23:00	7.21	270.16	20.45	4.78	16.22	33.53	32.65	39.71	1.09	403.80	260.95	17.35	6.22	2339	2284	2879
12/11/24 0:00	7.43	268.33	21.88	5.43	16.03	37.70	34.96	39.71	1.09	404.42	267.89	17.36	6.13	2387	2294	2879
12/11/24 1:00	7.46	267.88	20.15	5.61	16.14	35.27	35.50	39.71	1.10	403.84	268.95	17.34	6.11	2381	2328	2879
12/11/24 2:00	7.27	267.39	19.73	5.08	16.07	33.04	35.34	39.71	1.10	403.96	265.06	17.34	6.12	2347	2369	2879
12/11/24 3:00	7.19	262.92	20.08	4.83	16.08	32.95	33.76	39.70	1.10	403.92	275.07	17.33	6.11	2426	2372	2879
12/11/24 4:00	7.15	261.28	20.13	4.85	16.04	33.07	33.02	39.70	1.09	403.71	273.47	17.34	6.09	2414	2385	2879
12/11/24 5:00	7.24	267.07	19.63	4.87	16.06	32.32	32.78	39.70	1.10	404.29	276.89	17.32	6.13	2436	2396	2879
12/11/24 6:00	7.34	265.71	21.18	5.47	15.93	36.53	33.97	39.70	1.10	403.88	272.30	17.35	6.00	2391	2425	2879
12/11/24 7:00	7.54	267.38	20.48	5.69	15.91	35.95	34.93	39.70	1.09	403.38	286.45	17.32	6.11	2505	2413	2878
12/11/24 8:00	7.70	267.47	20.87	5.34	15.94	35.62	36.03	39.70	1.10	404.70	287.73	17.31	6.08	2506	2444	2878
12/11/24 9:00	7.72	267.36	20.43	5.15	15.82	34.31	35.29	39.70	1.11	404.17	287.44	17.33	6.01	2504	2467	2878
12/11/24 10:00	7.57	265.21	20.64	5.04	15.72	34.23	34.72	39.69	1.11	403.50	287.60	17.34	5.95	2506	2505	2878
12/11/24 11:00	7.65	269.89	21.15	4.94	15.79	34.87	34.47	39.69	1.10	403.14	286.29	17.33	5.97	2484	2505	2878
12/11/24 12:00	7.58	270.72	23.50	5.47	15.68	40.38	36.49	39.69	1.11	401.09	276.18	17.38	5.80	2413	2498	2878
12/11/24 13:00	7.47	268.64	23.03	5.67	15.65	40.14	38.46	39.69	1.12	399.69	274.55	17.33	5.76	2344	2468	2878
12/11/24 14:00	7.79	266.65	22.62	5.41	15.62	38.60	39.71	39.69	1.12	398.20	277.03	17.35	5.63	2356	2414	2878
12/11/24 15:00	7.83	264.44	22.70	5.04	15.65	37.61	38.78	39.69	1.12	397.49	276.34	17.32	5.65	2327	2371	2878
12/11/24 16:00	7.85	264.56	22.51	5.04	15.70	37.35	37.85	39.69	1.12	396.55	266.93	17.40	5.60	2308	2342	2877
12/11/24 17:00	7.87	265.20	22.88													

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
12/12/24 11:00	7.90	265.22	20.25	5.16	15.35	33.70	33.08	39.66	1.21	376.19	248.54	17.46	4.84	2069	2129	2875
12/12/24 12:00	7.91	264.08	16.45	6.12	15.11	29.39	31.89	39.66	1.22	376.22	247.64	17.48	4.82	2079	2086	2874
12/12/24 13:00	8.00	266.59	17.13	5.94	15.21	30.33	31.14	39.66	1.22	375.02	245.09	17.51	4.72	2062	2065	2874
12/12/24 14:00	8.02	270.92	18.59	5.18	15.19	30.89	30.21	39.66	1.22	375.32	244.43	17.49	4.83	2055	2070	2874
12/12/24 15:00	8.09	270.39	20.04	5.15	15.24	33.28	31.50	39.66	1.20	379.73	256.08	17.36	5.17	2103	2065	2874
12/12/24 16:00	7.95	270.31	20.82	5.16	15.21	34.59	32.92	39.65	1.20	382.78	259.34	17.32	5.41	2141	2073	2874
12/12/24 17:00	8.20	275.13	21.37	5.04	15.32	35.20	34.36	39.65	1.20	384.49	267.13	17.27	5.56	2186	2100	2873
12/12/24 18:00	8.12	274.43	23.93	5.86	15.21	42.17	37.32	39.65	1.21	384.62	265.18	17.36	5.41	2226	2143	2873
12/12/24 19:00	7.99	269.75	21.92	5.19	15.36	36.88	38.08	39.65	1.20	385.80	272.34	17.30	5.51	2248	2184	2873
12/12/24 20:00	7.99	267.25	17.88	4.55	15.39	28.44	35.83	39.65	1.21	386.12	281.26	17.32	5.45	2331	2220	2873
12/12/24 21:00	7.72	268.18	15.51	4.18	15.72	24.09	29.81	39.65	1.20	386.50	277.05	17.27	5.54	2266	2268	2873
12/12/24 22:00	7.70	267.24	15.80	4.24	15.69	24.64	25.73	39.64	1.21	386.83	273.14	17.30	5.50	2256	2282	2873
12/12/24 23:00	7.69	267.32	16.75	4.20	15.72	26.06	24.93	39.64	1.20	385.96	277.83	17.33	5.46	2311	2284	2872
12/13/24 0:00	7.81	268.27	15.27	5.32	15.63	25.87	25.52	39.64	1.20	385.70	274.50	17.33	5.48	2289	2278	2872
12/13/24 1:00	7.61	268.44	15.33	5.05	15.70	25.37	25.77	39.63	1.21	385.23	263.68	17.36	5.46	2223	2286	2872
12/13/24 2:00	7.86	269.53	16.28	4.41	15.69	25.69	25.65	39.63	1.21	383.18	279.29	17.42	5.31	2379	2274	2872
12/13/24 3:00	7.98	268.40	18.91	4.87	15.23	30.74	27.27	39.63	1.22	381.21	258.83	17.47	5.17	2225	2297	2872
12/13/24 4:00	8.20	269.69	9.85	4.58	15.70	15.78	24.07	39.62	1.21	381.03	254.18	17.42	5.25	2154	2276	2872
12/13/24 5:00	8.10	271.11	7.38	4.46	15.74	11.71	19.41	39.61	1.21	382.21	257.06	17.41	5.33	2184	2253	2871
12/13/24 6:00	8.05	270.17	4.86	5.30	15.39	8.01	11.83	39.61	1.20	383.16	257.10	17.40	5.39	2188	2187	2871
12/13/24 7:00	7.65	267.83	8.93	5.54	15.43	15.36	11.69	39.60	1.21	383.05	260.30	17.39	5.26	2186	2175	2871
12/13/24 8:00	7.60	266.45	10.88	5.11	15.52	18.12	13.83	39.59	1.20	383.84	257.00	17.38	5.23	2141	2186	2871
12/13/24 9:00	7.78	264.40	9.92	4.51	15.46	15.73	16.40	39.59	1.20	383.94	255.85	17.42	5.14	2152	2172	2871
12/13/24 10:00	7.68	265.17	10.11	4.52	15.55	16.07	16.64	39.58	1.21	384.06	257.72	17.43	5.12	2168	2160	2871
12/13/24 11:00	7.69	268.82	10.89	4.49	15.54	17.25	16.35	39.58	1.20	384.91	257.63	17.41	5.23	2173	2154	2870
12/13/24 12:00	7.72	268.87	12.69	5.20	15.33	21.22	18.18	39.57	1.19	386.71	266.07	17.38	5.30	2232	2164	2870
12/13/24 13:00	7.87	270.96	13.21	5.33	15.59	22.37	20.28	39.57	1.19	388.19	262.35	17.36	5.40	2197	2191	2870
12/13/24 14:00	7.86	273.48	14.67	4.63	15.56	23.50	22.37	39.56	1.19	389.67	285.71	17.38	5.39	2415	2201	2870
12/13/24 15:00	7.60	278.87	14.75	4.45	15.51	23.31	23.06	39.56	1.19	390.80	274.45	17.38	5.43	2319	2282	2870
12/13/24 16:00	7.76	278.03	14.04	4.43	15.55	22.15	22.98	39.55	1.18	391.02	271.62	17.38	5.46	2308	2311	2870
12/13/24 17:00	7.92	274.51	14.04	4.41	15.67	22.17	22.54	39.55	1.19	391.27	273.35	17.36	5.55	2321	2347	2870
12/13/24 18:00	7.90	270.43	14.54	5.09	15.68	24.25	22.86	39.55	1.20	390.74	276.82	17.39	5.49	2365	2316	2869
12/13/24 19:00	7.74	267.57	17.01	4.63	15.78	27.28	24.57	39.54	1.20	389.50	274.84	17.41	5.41	2353	2331	2869
12/13/24 20:00	7.86	267.45	16.50	4.20	15.80	25.71	25.75	39.54	1.20	388.17	270.78	17.45	5.31	2338	2346	2869
12/13/24 21:00	8.08	267.73	15.57	4.28	15.80	24.41	25.80	39.54	1.20	387.38	269.66	17.40	5.35	2286	2352	2869
12/13/24 22:00	7.84	267.03	17.11	4.40	15.70	27.01	25.71	39.53	1.20	388.42	272.99	17.37	5.51	2319	2326	2869
12/13/24 23:00	8.00	267.62	21.79	4.41	15.82	34.48	28.64	39.53	1.20	388.84	269.82	17.35	5.66	2299	2315	2869
12/14/24 0:00	8.02	269.21	20.87	5.22	15.73	35.18	32.22	39.53	1.20	389.28	273.24	17.35	5.86	2371	2302	2869
12/14/24 1:00	7.95	270.10	21.34	5.49	15.64	36.69	35.45	39.53	1.23	389.07	275.81	17.36	5.97	2427	2330	2868
12/14/24 2:00	7.65	267.87	20.97	4.69	15.60	33.78	35.22	39.53	1.23	389.85	281.32	17.34	6.06	2480	2366	2868
12/14/24 3:00	7.61	268.79	19.35	4.63	15.57	31.04	33.84	39.53	1.25	388.66	274.16	17.38	6.01	2441	2426	2868
12/14/24 4:00	7.65	270.48	18.04	4.54	15.61	28.74	31.19	39.52	1.24	388.20	275.54	17.38	6.01	2457	2449	2868
12/14/24 5:00	7.96	271.12	19.61	4.55	15.82	31.38	30.39	39.52	1.26	388.34	275.11	17.39	6.00	2455	2459	2868
12/14/24 6:00	8.05	269.21	10.58	5.26	15.55	17.60	25.91	39.52	1.26	389.05	280.29	17.37	5.97	2479	2451	2868
12/14/24 7:00	8.08	270.58	11.30	5.38	15.84	19.30	22.76	39.51	1.25	388.75	273.42	17.38	5.82	2391	2464	2868
12/14/24 8:00	7.99	273.17	13.82	5.48	15.55	23.72	20.21	39.51	1.22	389.57	273.60	17.37	5.79	2381	2442	2868
12/14/24 9:00	7.96	273.66	12.56	4.94	15.71	20.68	21.23	39.50	1.21	392.81	298.63	17.33	5.88	2578	2417	2868
12/14/24 10:00	8.15	275.01	13.09	4.83	15.70	21.37	21.92	39.50	1.19	397.48	308.52	17.37	5.85	2696	2450	2868
12/14/24 11:00	8.41	276.13	12.67	4.73	15.71	20.50	20.85	39.49	1.19	396.79	280.66	17.37	5.88	2466	2552	2867
12/14/24 12:00	8.25	276.87	17.79	5.28	15.67	30.16	24.01	39.49	1.19	397.06	270.07	17.36	5.92	2371	2580	2867
12/14/24 13:00	8.06	274.04	18.33	5.32	15.97	31.24	27.30	39.49	1.18	399.31	259.98	17.35	5.95	2279	2511	2867
12/14/24 14:00	8.36	273.55	17.37	4.77	15.87	28.30	29.90	39.49	1.19	401.13	262.57	17.34	5.98	2293	2372	2867
12/14/24 15:00	8.31	273.11	16.13	4.56	15.82	25.82	28.45	39.48	1.22	399.56	256.60	17.36	5.94	2256	2314	2867
12/14/24 16:00	8.11	275.72	15.68	4.60	15.43	25.03	26.38	39.48	1.21	399.36	249.75	17.38	5.90	2201	2276	2867
12/14/24 17:00	7.74	276.89	17.08	4.59	15.35	27.22	26.02	39.48	1.20	399.48	244.69	17.37	5.89	2145	2250	2867
12/14/24 18:00	7.68	276.93	21.68	5.21	15.28	36.24	29.49	39.48	1.19	399.74	239.59	17.37	5.89	2102	2201	2866
12/14/24 19:00	7.61	276.60	21.89	4.71	15.32	35.07	32.84	39.47	1.19	398.85	239.88	17.37	5.91	2108	2150	2866
12/14/24 20:00	7.61	275.34	23.79	4.33	15.37	37.18	36.16	39.47	1.20	396.54	234.24	17.39	5.86	2065	2118	2866
12/14/24 21:00	7.68	276.69	23.50	4.35	15.35	36.76	36.34	39.47	1.21	394.60	227.02	17.42	5.82	2018	2092	2866
12/14/24 22:00	7.71	280.15	23.34	4.37	15.36	36.58	36.84	39.47	1.21	392.69	222.08	17.41	5.79	1969	2064	2866
12/14/24 23:00	7.66	279.08	24.30	4.41	15.30	38.13	37.16	39.47	1.20	393.37	222.50	17.39	5.81	1956	2017	2865
12/15/24 0:00	7.61	276.22	24.55	5.61	15.26	42.39	39.04	39.47	1.19	394.86	221.80	17.39	5.83	1952	1981	2865
12/15/24 1:00	7.65	278.83	24.12	5.04	15.33	39.81	40.11	39.47	1.17	396.61	220.92	17.40	5.84	1959	1959	2865
12/15/24 2:00	7.62	279.11	23.99	4.50	15.39	37.98	40.06	39.47	1.17	398.39	224.39	17.38	5.85	1969	1956	2865
12/15/24 3:00	7.84	277.79	26.44	4.53	15.66	42.16	39.98	39.47	1.16	399.94	229.26	17.38	5.86	2014	1960	2865
12/15/24 4:00	7.99	274.04	25.55	4.53	15.61	40.68	40.27	39.47	1.16	401.34	244.53	17.36	5.87	2138	1981	2864
12/15/24 5:00	7.95															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3Hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3Hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
12/15/24 23:00	7.83	273.43	18.70	4.52	15.86	29.87	31.56	39.49	1.15	407.57	367.77	17.24	6.31	3173	2998	2862
12/16/24 0:00	7.86	273.43	17.95	4.78	15.86	29.29	30.32	39.49	1.14	409.25	537.39	17.22	6.36	4602	3217	2862
12/16/24 1:00	7.77	273.04	19.22	4.93	15.92	31.74	30.30	39.49	1.14	409.18	344.77	17.23	6.35	2967	3665	2863
12/16/24 2:00	7.78	273.02	20.55	5.04	15.92	34.19	31.74	39.49	1.15	408.92	320.57	17.23	6.35	2757	3581	2863
12/16/24 3:00	7.86	272.79	21.70	4.94	15.89	35.83	33.92	39.49	1.14	408.39	317.38	17.23	6.33	2738	3442	2863
12/16/24 4:00	7.79	271.89	21.35	4.86	15.88	35.02	35.01	39.49	1.15	407.60	305.95	17.25	6.36	2660	2821	2863
12/16/24 5:00	7.83	271.52	21.07	4.67	15.93	34.07	34.97	39.48	1.14	408.23	306.05	17.23	6.36	2642	2718	2863
12/16/24 6:00	8.00	272.05	23.12	4.83	15.84	37.83	35.64	39.48	1.14	409.87	325.44	17.21	6.40	2794	2680	2863
12/16/24 7:00	7.87	272.59	22.82	4.92	15.94	37.64	36.51	39.48	1.13	411.02	310.04	17.19	6.40	2645	2699	2863
12/16/24 8:00	7.81	275.93	21.30	4.80	16.00	34.84	36.77	39.48	1.13	410.51	309.28	17.22	6.31	2642	2694	2863
12/16/24 9:00	7.87	273.96	17.99	4.71	16.05	29.25	33.91	39.48	1.13	410.59	297.40	17.20	6.34	2529	2693	2863
12/16/24 10:00	8.09	274.18	14.64	4.66	16.28	23.81	29.30	39.48	1.15	409.80	303.77	17.21	6.33	2595	2605	2863
12/16/24 11:00	7.97	274.21	12.34	4.59	16.30	19.95	24.33	39.47	1.15	409.01	312.10	17.21	6.34	2669	2589	2862
12/16/24 12:00	7.92	274.70	13.81	4.80	16.26	22.68	22.14	39.47	1.13	409.11	294.59	17.23	6.33	2538	2598	2862
12/16/24 13:00	7.98	275.11	14.56	4.74	16.12	23.76	22.13	39.46	1.12	410.92	296.60	17.23	6.36	2562	2601	2862
12/16/24 14:00	7.72	275.44	13.37	4.71	15.88	21.66	22.70	39.46	1.13	411.74	305.24	17.19	6.41	2605	2590	2862
12/16/24 15:00	7.74	275.66	12.77	4.70	15.84	20.68	22.03	39.45	1.12	410.32	318.66	17.22	6.36	2735	2568	2862
12/16/24 16:00	7.87	275.86	12.63	4.67	15.85	20.41	20.92	39.45	1.11	413.70	363.46	17.11	6.55	3034	2634	2862
12/16/24 17:00	7.95	276.70	12.42	4.71	15.84	20.12	20.40	39.44	1.11	415.76	333.63	17.09	6.61	2777	2791	2862
12/16/24 18:00	7.87	275.73	12.70	4.68	15.76	20.50	20.34	39.44	1.11	415.28	331.03	17.11	6.56	2768	2848	2862
12/16/24 19:00	7.87	274.71	17.31	4.41	15.85	27.29	22.64	39.44	1.11	413.89	305.71	17.15	6.52	2584	2860	2862
12/16/24 20:00	7.78	274.57	21.15	4.26	15.80	33.09	26.96	39.44	1.13	412.20	324.11	17.11	6.59	2716	2710	2862
12/16/24 21:00	7.71	276.23	22.76	4.37	15.76	35.90	32.09	39.43	1.11	408.51	313.68	17.12	6.60	2637	2690	2862
12/16/24 22:00	7.51	276.35	23.74	4.25	15.90	37.20	35.40	39.43	1.11	408.33	309.75	17.11	6.60	2598	2646	2862
12/16/24 23:00	7.69	276.39	21.70	4.18	15.92	33.82	35.64	39.43	1.11	410.13	313.73	17.09	6.55	2604	2650	2862
12/17/24 0:00	7.92	277.61	19.73	5.22	15.72	33.23	34.75	39.43	1.11	410.30	315.90	17.05	6.40	2549	2613	2862
12/17/24 1:00	7.91	274.87	19.95	5.10	15.71	33.23	33.43	39.43	1.12	409.33	303.87	17.12	6.23	2478	2584	2862
12/17/24 2:00	7.88	274.44	22.23	4.47	15.63	35.24	33.90	39.43	1.13	404.55	300.96	17.12	5.93	2401	2544	2862
12/17/24 3:00	7.53	274.51	20.73	4.43	15.69	32.79	33.75	39.43	1.14	402.84	296.55	17.17	5.79	2382	2476	2862
12/17/24 4:00	7.66	275.48	17.97	4.49	15.60	28.51	32.18	39.42	1.13	402.61	306.64	17.14	5.89	2453	2420	2861
12/17/24 5:00	7.53	274.46	21.37	4.35	15.73	33.64	31.65	39.42	1.14	403.40	294.97	17.18	5.91	2403	2412	2861
12/17/24 6:00	7.64	275.20	23.39	5.00	15.68	38.71	33.62	39.42	1.14	402.41	296.75	17.22	5.80	2430	2413	2861
12/17/24 7:00	7.59	274.51	22.76	5.13	15.82	38.09	36.81	39.42	1.15	402.79	294.15	17.17	5.99	2399	2428	2861
12/17/24 8:00	7.71	272.99	23.33	4.71	15.77	37.75	38.18	39.42	1.14	405.42	308.73	17.11	6.39	2541	2411	2861
12/17/24 9:00	7.52	271.98	22.58	4.45	15.89	35.89	37.25	39.42	1.13	407.03	309.86	17.12	6.48	2588	2457	2861
12/17/24 10:00	7.85	272.39	21.90	4.57	15.67	35.00	36.22	39.42	1.14	407.31	326.48	17.17	6.33	2738	2509	2861
12/17/24 11:00	7.87	276.23	22.39	4.62	15.55	35.87	35.59	39.42	1.14	408.27	339.57	17.13	6.36	2814	2622	2861
12/17/24 12:00	7.63	277.45	24.13	5.15	15.52	40.28	37.05	39.42	1.14	408.95	330.89	17.11	6.36	2722	2713	2861
12/17/24 13:00	7.59	277.65	20.10	5.18	15.76	33.74	36.63	39.42	1.15	408.69	336.43	17.14	6.19	2765	2758	2861
12/17/24 14:00	7.87	273.70	17.41	4.68	15.73	28.12	34.04	39.42	1.14	409.24	338.63	17.09	6.22	2736	2767	2861
12/17/24 15:00	7.83	274.11	17.61	4.40	15.75	27.82	29.89	39.41	1.15	409.28	338.87	17.13	6.13	2754	2741	2861
12/17/24 16:00	7.84	272.07	18.50	4.41	15.74	29.26	28.40	39.41	1.15	408.68	337.64	17.10	6.15	2724	2752	2861
12/17/24 17:00	7.51	272.66	20.37	4.40	15.75	32.19	29.76	39.41	1.15	408.99	342.06	17.11	6.16	2766	2738	2861
12/17/24 18:00	7.45	272.09	24.67	5.07	15.65	40.99	34.15	39.41	1.15	408.92	341.68	17.09	6.22	2759	2748	2861
12/17/24 19:00	7.35	273.63	23.37	4.69	15.77	37.79	36.99	39.41	1.15	408.91	337.17	17.12	6.22	2752	2750	2861
12/17/24 20:00	7.50	272.22	21.71	4.39	15.74	34.26	37.68	39.41	1.15	409.27	366.62	17.09	6.32	2978	2759	2861
12/17/24 21:00	7.66	274.28	21.53	4.39	15.84	34.05	35.37	39.41	1.16	409.48	357.71	17.10	6.33	2920	2830	2861
12/17/24 22:00	7.67	276.76	20.85	4.40	15.82	32.99	33.76	39.40	1.15	409.42	356.71	17.14	6.23	2934	2883	2861
12/17/24 23:00	7.60	275.10	20.96	4.41	15.81	33.17	33.40	39.40	1.16	409.51	346.88	17.10	6.29	2829	2944	2861
12/18/24 0:00	7.56	273.95	22.21	4.78	15.68	36.13	34.10	39.40	1.15	410.63	364.64	17.07	6.45	2971	2894	2861
12/18/24 1:00	7.54	276.28	21.26	4.75	15.84	34.56	34.62	39.40	1.16	411.14	370.57	17.10	6.51	3069	2911	2861
12/18/24 2:00	7.67	277.08	20.90	4.82	15.79	34.13	34.94	39.40	1.15	410.22	355.07	17.13	6.49	2968	2956	2861
12/18/24 3:00	7.79	277.30	20.86	4.75	15.89	33.92	34.20	39.40	1.15	410.09	364.52	17.13	6.42	3034	3003	2861
12/18/24 4:00	7.86	275.74	20.48	4.77	15.79	33.30	33.78	39.40	1.15	409.78	352.75	17.11	6.42	2916	3024	2861
12/18/24 5:00	7.63	273.53	23.49	4.62	15.71	37.71	34.98	39.40	1.15	409.82	353.79	17.11	6.36	2910	2973	2861
12/18/24 6:00	7.35	272.77	24.94	4.68	15.71	40.23	37.08	39.40	1.16	409.21	348.28	17.11	6.32	2860	2954	2861
12/18/24 7:00	7.52	273.82	24.04	4.74	15.77	38.98	38.97	39.40	1.15	409.46	352.79	17.09	6.17	2840	2895	2861
12/18/24 8:00	7.56	275.63	22.04	4.82	15.70	35.95	38.38	39.40	1.15	409.42	348.55	17.08	6.14	2780	2870	2861
12/18/24 9:00	7.50	276.64	20.70	4.79	15.74	33.68	36.20	39.39	1.15	409.62	358.10	17.09	6.22	2891	2827	2861
12/18/24 10:00	7.88	276.84	21.74	4.95	15.79	35.85	35.16	39.39	1.15	409.96	366.26	17.08	6.25	2956	2837	2861
12/18/24 11:00	8.09	276.85	21.97	4.89	15.58	35.93	35.15	39.39	1.15	410.16	364.34	17.10	6.31	2968	2876	2861
12/18/24 12:00	8.11	275.82	26.34	4.89	15.52	43.05	38.28	39.39	1.15	410.59	364.09	17.11	6.22	2959	2938	2861
12/18/24 13:00	7.79	276.95	24.72	4.90	15.63	40.51	39.83	39.39	1.14	410.05	359.56	17.11	6.21	2919	2961	2861
12/18/24 14:00	7.61	277.62	24.44	4.93	15.53	40.10	41.22	39.39	1.15	408.86	347.60	17.13	6.16	2836	2949	2861
12/18/24 15:00	7.63	277.92	24.76	4.84	15.59	40.35	40.32	39.39	1.15	408.34	346.12	17.12	6.16	2808	2905	2861
12/18/24 16:00	7.73	276.98	24.46	4.93	15.47	40.06	40.17	39.39	1.15	408.36	345.33	17.13	6.11	2804	2854	2861
12/18/24 17:00	7															

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, ppmv	H2O Corrected ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	Air, ppmv	H2O Corrected ppmv
12/19/24 11:00	8.97	288.72	36.25	5.67	14.99	62.54	60.36	39.42	1.23	400.99	317.59	17.22	6.00	2641	2632	2860
12/19/24 12:00	9.34	286.73	36.42	5.91	14.99	64.11	63.75	39.42	1.21	402.01	327.91	17.21	6.00	2726	2631	2860
12/19/24 13:00	9.56	284.57	34.75	5.65	15.33	60.16	62.27	39.43	1.21	402.02	365.84	17.21	6.03	3043	2672	2860
12/19/24 14:00	9.31	283.40	26.86	5.43	15.44	45.81	56.69	39.43	1.19	403.40	366.91	17.20	6.09	3055	2804	2860
12/19/24 15:00	9.25	282.51	25.89	5.25	15.58	43.57	49.85	39.43	1.18	404.90	339.47	17.21	6.10	2837	2941	2860
12/19/24 16:00	9.05	281.60	24.90	4.98	15.55	41.04	43.47	39.43	1.20	403.54	340.34	17.21	6.06	2845	2978	2860
12/19/24 17:00	9.15	281.92	31.57	5.67	14.95	54.39	46.34	39.43	1.19	403.94	339.23	17.22	6.08	2845	2912	2860
12/19/24 18:00	9.57	281.72	28.41	5.71	14.89	49.05	48.16	39.44	1.15	406.14	330.44	17.21	6.08	2765	2842	2860
12/19/24 19:00	9.34	281.79	22.57	5.53	15.21	38.81	47.42	39.44	1.15	407.42	327.48	17.20	6.07	2728	2818	2860
12/19/24 20:00	9.34	283.96	22.89	5.26	15.29	38.39	42.08	39.44	1.18	407.31	318.58	17.20	6.09	2651	2779	2860
12/19/24 21:00	9.39	284.45	24.11	5.53	15.00	41.15	39.45	39.44	1.17	407.39	306.57	17.20	6.12	2555	2715	2860
12/19/24 22:00	9.94	290.67	16.05	6.05	14.37	28.46	36.00	39.43	1.15	408.51	303.59	17.18	6.13	2520	2644	2860
12/19/24 23:00	9.13	299.77	19.51	5.76	14.71	33.71	34.44	39.43	1.18	406.07	295.43	17.21	6.15	2478	2575	2860
12/20/24 0:00	9.50	306.47	19.92	5.54	15.06	34.05	32.07	39.43	1.16	406.16	295.05	17.18	6.19	2454	2518	2860
12/20/24 1:00	9.58	297.71	19.24	5.95	14.82	33.83	33.86	39.43	1.16	406.72	298.68	17.18	6.19	2484	2484	2860
12/20/24 2:00	9.27	293.07	21.64	5.90	14.81	37.93	35.27	39.43	1.19	403.94	297.13	17.21	6.10	2489	2472	2860
12/20/24 3:00	9.27	287.90	23.03	5.82	14.86	40.09	37.29	39.43	1.17	400.61	266.11	17.28	5.97	2266	2476	2859
12/20/24 4:00	9.32	286.81	20.16	6.90	13.87	37.87	38.63	39.43	1.21	398.77	252.86	17.31	5.91	2167	2413	2859
12/20/24 5:00	9.30	299.88	15.20	5.62	15.01	26.20	34.72	39.43	1.26	390.52	243.28	17.36	5.77	2105	2307	2859
12/20/24 6:00	8.54	299.87	21.12	5.38	15.13	35.68	33.25	39.43	1.27	388.13	232.93	17.37	5.76	2024	2179	2859
12/20/24 7:00	8.54	296.04	20.54	5.39	15.45	34.90	32.26	39.42	1.27	387.54	231.30	17.39	5.67	2004	2099	2859
12/20/24 8:00	8.54	294.43	18.13	5.28	15.29	30.44	33.67	39.42	1.27	386.47	235.97	17.42	5.48	2040	2044	2859
12/20/24 9:00	8.39	303.11	15.63	5.22	15.31	26.16	30.50	39.42	1.27	386.04	240.08	17.35	5.41	2003	2022	2858
12/20/24 10:00	8.41	291.60	11.93	5.20	15.36	19.93	25.51	39.41	1.27	386.33	249.53	17.33	5.56	2089	2015	2858
12/20/24 11:00	8.23	293.99	16.32	5.10	15.41	27.07	24.39	39.41	1.26	387.10	266.91	17.34	5.58	2254	2044	2858
12/20/24 12:00	8.25	300.93	20.37	5.15	15.29	33.86	26.96	39.41	1.25	389.11	275.10	17.31	5.71	2315	2115	2858
12/20/24 13:00	8.26	295.01	19.22	5.09	15.40	31.85	30.93	39.41	1.25	389.36	268.25	17.34	5.67	2279	2219	2858
12/20/24 14:00	8.24	292.61	17.63	5.10	15.39	29.23	31.65	39.41	1.25	389.01	259.04	17.35	5.65	2206	2283	2858
12/20/24 15:00	8.23	292.63	18.01	5.12	15.36	29.89	30.32	39.40	1.25	388.77	266.33	17.36	5.62	2273	2267	2857
12/20/24 16:00	8.27	289.85	17.60	5.10	15.39	29.17	29.43	39.40	1.25	387.98	286.62	17.37	5.60	2450	2253	2857
12/20/24 17:00	8.29	280.88	18.17	5.03	15.43	29.98	29.68	39.40	1.25	388.38	269.33	17.35	5.66	2300	2310	2857
12/20/24 18:00	8.29	276.38	19.48	5.08	15.36	32.23	30.46	39.40	1.26	388.58	273.11	17.35	5.68	2336	2341	2857
12/20/24 19:00	8.40	277.03	19.11	4.71	15.54	30.73	30.98	39.40	1.25	387.63	269.97	17.37	5.66	2326	2362	2857
12/20/24 20:00	8.24	274.39	22.24	4.62	15.46	35.58	32.85	39.39	1.27	387.09	267.28	17.37	5.63	2291	2321	2857
12/20/24 21:00	8.54	274.22	23.41	4.70	15.44	37.64	34.65	39.39	1.25	385.89	250.44	17.42	5.50	2165	2318	2857
12/20/24 22:00	8.57	271.99	24.80	4.63	15.43	39.68	37.63	39.39	1.25	388.32	298.47	17.29	5.73	2499	2261	2856
12/20/24 23:00	8.46	272.17	22.62	4.59	15.47	36.10	37.81	39.39	1.23	388.05	266.08	17.38	5.57	2281	2318	2856
12/21/24 0:00	8.26	272.88	22.00	5.09	15.58	36.55	37.45	39.39	1.24	388.90	299.13	17.31	5.69	2517	2315	2856
12/21/24 1:00	8.14	272.65	18.80	5.31	15.45	31.73	34.79	39.39	1.22	388.60	277.60	17.35	5.61	2356	2432	2856
12/21/24 2:00	8.16	272.52	19.77	5.33	15.38	33.39	33.89	39.39	1.25	387.07	275.25	17.38	5.50	2342	2385	2856
12/21/24 3:00	8.22	272.33	21.57	5.08	15.29	35.66	33.59	39.39	1.24	387.28	287.21	17.35	5.55	2424	2405	2856
12/21/24 4:00	8.56	272.47	22.52	4.99	15.26	36.94	35.33	39.39	1.25	384.31	259.41	17.42	5.37	2224	2374	2856
12/21/24 5:00	8.80	271.71	23.64	4.96	15.31	38.70	37.10	39.39	1.26	384.60	292.70	17.34	5.51	2456	2330	2856
12/21/24 6:00	8.84	273.12	22.23	5.25	15.42	37.30	37.65	39.39	1.27	382.64	270.86	17.39	5.41	2299	2368	2856
12/21/24 7:00	8.45	270.47	21.58	5.31	15.44	36.43	37.48	39.39	1.28	380.53	256.84	17.42	5.32	2189	2326	2855
12/21/24 8:00	8.26	272.45	22.24	5.21	15.51	37.27	37.00	39.39	1.28	379.94	256.57	17.37	5.36	2155	2314	2855
12/21/24 9:00	8.08	274.87	21.14	4.86	15.54	34.48	36.06	39.38	1.28	379.61	253.86	17.38	5.35	2139	2214	2855
12/21/24 10:00	8.07	273.29	21.67	4.87	15.41	35.30	35.68	39.38	1.26	381.26	257.85	17.37	5.38	2162	2161	2855
12/21/24 11:00	8.30	271.38	22.54	4.71	15.53	36.32	35.36	39.38	1.26	381.26	270.37	17.40	5.32	2285	2152	2855
12/21/24 12:00	8.11	271.37	23.68	5.19	15.59	39.70	37.11	39.38	1.26	382.82	266.09	17.38	5.45	2254	2195	2855
12/21/24 13:00	8.24	270.97	25.26	5.17	15.68	42.30	39.44	39.38	1.22	384.18	279.66	17.38	5.39	2364	2234	2855
12/21/24 14:00	8.15	271.17	24.42	4.80	16.02	39.96	40.66	39.38	1.21	385.39	265.77	17.38	5.40	2241	2301	2854
12/21/24 15:00	7.93	274.36	25.11	4.36	15.92	39.66	40.64	39.38	1.20	386.69	284.51	17.37	5.41	2392	2286	2854
12/21/24 16:00	8.02	276.32	25.44	4.23	16.01	39.88	39.83	39.38	1.22	384.79	264.85	17.38	5.38	2237	2332	2854
12/21/24 17:00	8.09	278.64	24.07	3.89	16.29	36.93	38.82	39.38	1.25	384.36	266.00	17.38	5.47	2262	2290	2854
12/21/24 18:00	7.83	274.68	25.38	4.59	16.12	41.00	39.27	39.38	1.26	383.59	265.04	17.38	5.48	2254	2297	2854
12/21/24 19:00	8.03	270.10	22.01	4.18	16.22	34.58	37.50	39.38	1.24	383.77	261.79	17.37	5.47	2214	2251	2854
12/21/24 20:00	8.03	267.33	15.64	3.81	16.34	23.87	33.15	39.38	1.25	384.47	266.56	17.36	5.50	2254	2243	2854
12/21/24 21:00	7.85	267.71	12.44	4.11	15.79	19.21	25.89	39.37	1.29	383.57	269.11	17.37	5.50	2282	2241	2853
12/21/24 22:00	7.93	269.46	12.32	4.41	15.26	19.33	20.80	39.37	1.29	381.08	264.65	17.40	5.46	2266	2250	2853
12/21/24 23:00	8.13	268.31	20.22	4.40	15.57	31.88	23.48	39.37	1.30	378.42	265.25	17.41	5.41	2272	2267	2853
12/22/24 0:00	8.09	268.24	24.07	5.06	16.01	40.27	30.50	39.37	1.31	375.61	254.53	17.42	5.34	2173	2273	2853
12/22/24 1:00	8.08	267.68	25.04	5.57	15.67	43.34	38.50	39.37	1.31	374.28	251.33	17.41	5.31	2137	2237	2853
12/22/24 2:00	8.18	266.47	23.79	5.06	15.61	39.53	41.05	39.37	1.29	372.79	248.08	17.41	5.30	2102	2194	2853
12/22/24 3:00	8.11	267.85	22.19	4.81	15.50	36.00	39.62	39.37	1.28	373.69	247.28	17.38	5.29	2071	2137	2852
12/22/24 4:00	8.12	269.74	18.54	4.80	15.48	30.07	35.20	39.37	1.29	373.91	250.18	17.39	5.30	2101	2103	2852
12/22/24 5:																

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	Air, H2O Corrected		MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	Air, H2O Corrected	
						ppmv	ppmv	ppmv						ppmv	ppmv	ppmv
12/22/24 23:00	8.22	274.93	22.79	4.18	15.89	35.51	35.39	39.33	1.20	390.45	265.40	17.34	5.62	2252	2300	2850
12/23/24 0:00	8.24	275.68	13.60	5.58	15.74	23.51	31.55	39.33	1.19	394.00	273.78	17.30	5.69	2293	2292	2850
12/23/24 1:00	8.27	277.99	12.42	5.05	15.92	20.77	26.60	39.33	1.19	395.06	273.39	17.29	5.73	2292	2274	2850
12/23/24 2:00	8.27	278.52	13.48	4.38	15.91	21.32	21.87	39.32	1.19	395.74	265.86	17.30	5.72	2236	2279	2850
12/23/24 3:00	8.23	277.86	13.76	4.37	15.94	21.74	21.27	39.32	1.19	394.08	268.00	17.31	5.77	2276	2274	2849
12/23/24 4:00	8.11	277.89	13.82	4.33	15.85	21.76	21.60	39.31	1.18	393.63	268.86	17.30	5.79	2276	2268	2849
12/23/24 5:00	8.16	278.41	13.44	4.28	15.94	21.11	21.54	39.31	1.18	394.43	275.94	17.29	5.81	2326	2263	2849
12/23/24 6:00	8.11	278.70	14.81	5.44	15.65	25.48	22.78	39.31	1.17	393.98	278.36	17.27	5.81	2328	2293	2849
12/23/24 7:00	8.45	278.52	12.20	5.57	16.00	21.22	22.60	39.30	1.17	395.05	281.69	17.26	5.76	2335	2310	2849
12/23/24 8:00	8.64	279.01	13.01	4.64	15.63	20.89	22.53	39.30	1.16	396.01	288.55	17.25	5.75	2385	2330	2849
12/23/24 9:00	8.57	279.82	11.01	4.60	15.56	17.60	19.90	39.29	1.16	395.73	317.18	17.27	5.71	2627	2349	2849
12/23/24 10:00	8.49	280.86	12.09	4.36	15.70	19.03	19.17	39.29	1.16	395.13	296.29	17.28	5.69	2469	2449	2849
12/23/24 11:00	8.24	281.22	11.30	4.26	15.88	17.71	18.11	39.28	1.17	392.32	272.38	17.32	5.70	2299	2494	2848
12/23/24 12:00	8.21	281.28	12.59	5.21	15.87	21.24	19.32	39.28	1.18	390.03	267.96	17.32	5.71	2271	2465	2848
12/23/24 13:00	8.15	282.00	12.11	4.90	15.85	19.95	19.63	39.27	1.19	388.98	262.86	17.34	5.70	2240	2346	2848
12/23/24 14:00	8.18	281.93	10.63	4.25	15.87	16.64	19.27	39.27	1.18	390.91	261.96	17.31	5.74	2215	2270	2848
12/23/24 15:00	8.12	281.28	10.14	4.30	15.85	15.92	17.50	39.26	1.17	393.95	263.98	17.30	5.76	2231	2242	2848
12/23/24 16:00	8.17	281.56	9.39	4.29	15.92	14.75	15.77	39.26	1.16	395.98	267.11	17.30	5.81	2259	2229	2848
12/23/24 17:00	8.17	280.71	9.14	4.33	15.90	14.39	15.02	39.25	1.15	395.42	273.65	17.26	5.91	2301	2235	2848
12/23/24 18:00	8.15	282.43	8.97	5.14	15.86	15.04	14.73	39.25	1.15	395.30	274.34	17.28	5.93	2328	2264	2847
12/23/24 19:00	8.16	287.04	13.99	4.73	15.76	22.69	17.37	39.24	1.15	393.23	262.98	17.30	5.93	2254	2296	2847
12/23/24 20:00	8.18	284.77	15.09	4.25	15.76	23.59	20.44	39.24	1.14	393.89	265.10	17.30	5.87	2259	2294	2847
12/23/24 21:00	8.21	283.90	15.67	4.22	15.82	24.46	23.58	39.23	1.15	394.58	266.17	17.30	5.83	2255	2280	2847
12/23/24 22:00	8.19	280.74	14.67	4.26	15.81	22.95	23.67	39.23	1.14	396.03	273.07	17.27	5.89	2295	2256	2847
12/23/24 23:00	8.21	279.27	15.38	4.25	15.78	24.03	23.81	39.23	1.14	396.26	273.03	17.30	5.88	2322	2270	2847
12/24/24 0:00	8.15	279.81	24.14	5.24	15.78	41.08	29.35	39.23	1.13	397.12	275.15	17.29	5.87	2330	2291	2847
12/24/24 1:00	8.18	280.05	24.04	4.89	15.89	39.59	34.90	39.23	1.13	397.95	285.99	17.27	5.92	2417	2316	2847
12/24/24 2:00	8.13	280.12	21.66	4.45	15.83	34.37	38.35	39.23	1.13	398.20	286.50	17.28	5.89	2420	2356	2846
12/24/24 3:00	8.16	280.51	22.24	4.47	15.76	35.33	36.43	39.22	1.13	398.90	290.33	17.28	5.86	2452	2389	2846
12/24/24 4:00	8.14	280.94	21.90	4.57	15.71	35.02	34.91	39.22	1.14	398.43	281.77	17.31	5.81	2395	2430	2846
12/24/24 5:00	8.14	281.30	22.81	4.56	15.34	36.23	35.53	39.22	1.13	398.36	277.70	17.30	5.83	2356	2422	2846
12/24/24 6:00	8.13	281.73	30.39	5.47	15.63	52.29	41.18	39.23	1.14	397.92	271.20	17.32	5.79	2308	2401	2846
12/24/24 7:00	8.07	282.45	34.00	5.33	15.76	57.78	48.77	39.23	1.14	398.31	276.46	17.30	5.79	2337	2353	2846
12/24/24 8:00	8.08	283.26	35.08	4.51	15.76	55.90	55.32	39.23	1.14	399.00	274.87	17.28	5.89	2326	2334	2846
12/24/24 9:00	8.06	283.71	36.24	4.60	15.78	58.15	57.28	39.24	1.15	399.69	285.68	17.27	5.94	2417	2324	2846
12/24/24 10:00	8.16	284.58	36.01	4.63	15.68	57.88	57.31	39.24	1.21	399.87	295.48	17.28	6.06	2533	2360	2846
12/24/24 11:00	8.15	284.91	37.35	4.43	15.70	59.11	58.38	39.25	1.21	398.61	298.39	17.33	5.94	2590	2425	2846
12/24/24 12:00	8.07	284.88	41.39	5.27	15.65	70.01	62.33	39.26	1.21	397.87	285.97	17.34	5.90	2476	2513	2845
12/24/24 13:00	8.03	284.01	39.65	5.12	15.70	66.21	65.11	39.26	1.21	396.99	275.01	17.35	5.82	2380	2533	2845
12/24/24 14:00	8.09	283.60	42.77	4.43	15.68	67.64	67.95	39.27	1.22	395.33	273.29	17.38	5.75	2377	2482	2845
12/24/24 15:00	8.03	282.86	45.46	4.48	15.67	72.15	68.67	39.28	1.22	394.63	276.59	17.38	5.74	2404	2411	2845
12/24/24 16:00	8.03	282.79	46.97	4.46	15.66	74.43	71.41	39.28	1.23	394.02	267.98	17.41	5.71	2350	2387	2845
12/24/24 17:00	8.04	282.69	45.68	4.46	15.67	72.42	73.00	39.29	1.24	393.53	270.22	17.41	5.69	2365	2377	2845
12/24/24 18:00	8.02	281.85	45.93	5.31	15.45	77.61	74.82	39.30	1.25	392.08	258.87	17.43	5.62	2275	2373	2845
12/24/24 19:00	8.04	281.27	30.24	4.73	15.75	50.45	66.83	39.30	1.25	391.34	252.60	17.44	5.59	2226	2330	2845
12/24/24 20:00	8.09	281.42	8.49	4.22	15.81	13.24	47.10	39.30	1.22	391.55	255.28	17.42	5.62	2238	2289	2845
12/24/24 21:00	8.09	281.16	4.83	4.21	15.83	7.53	23.74	39.29	1.19	392.47	256.42	17.43	5.60	2250	2246	2844
12/24/24 22:00	8.12	282.68	3.22	4.20	15.86	5.01	8.59	39.28	1.21	391.99	257.42	17.45	5.60	2273	2238	2844
12/24/24 23:00	8.09	279.69	1.10	4.27	15.81	1.72	4.75	39.27	1.22	391.45	258.88	17.45	5.59	2284	2253	2844
12/25/24 0:00	8.06	279.80	5.02	5.36	15.63	8.70	5.14	39.27	1.21	391.34	259.43	17.44	5.58	2284	2269	2844
12/25/24 1:00	8.08	279.78	13.79	5.25	15.70	23.24	11.22	39.26	1.22	390.86	253.81	17.45	5.56	2232	2280	2844
12/25/24 2:00	8.01	279.22	15.31	4.47	15.74	24.32	18.75	39.26	1.21	390.94	256.88	17.44	5.55	2258	2267	2844
12/25/24 3:00	8.03	279.08	14.36	4.48	15.73	22.82	23.46	39.26	1.21	390.78	274.90	17.45	5.56	2420	2258	2844
12/25/24 4:00	8.01	279.17	15.20	4.55	15.52	24.19	23.78	39.25	1.17	390.97	263.82	17.46	5.53	2325	2303	2843
12/25/24 5:00	8.08	279.30	13.96	4.43	15.38	21.99	23.00	39.25	1.20	390.86	263.64	17.45	5.55	2324	2334	2843
12/25/24 6:00	8.06	278.95	16.40	5.16	15.52	27.43	24.54	39.24	1.21	390.66	259.72	17.45	5.54	2282	2357	2843
12/25/24 7:00	8.10	280.29	17.69	5.33	15.84	30.08	26.50	39.24	1.22	390.45	263.09	17.42	5.54	2287	2311	2843
12/25/24 8:00	8.12	280.43	11.53	5.09	15.62	19.24	25.58	39.24	1.20	390.02	250.54	17.44	5.55	2195	2298	2843
12/25/24 9:00	8.41	281.06	7.55	4.76	15.69	12.24	20.52	39.23	1.20	390.97	246.53	17.44	5.52	2161	2255	2843
12/25/24 10:00	8.29	281.50	7.16	4.57	15.86	11.47	14.32	39.23	1.19	391.06	244.62	17.44	5.51	2141	2214	2843
12/25/24 11:00	8.19	281.05	6.99	4.61	15.84	11.25	11.65	39.22	1.19	392.14	250.63	17.42	5.55	2181	2165	2842
12/25/24 12:00	8.26	281.28	9.95	5.26	15.76	16.86	13.20	39.21	1.22	391.16	246.24	17.46	5.53	2169	2161	2842
12/25/24 13:00	8.21	280.71	15.48	5.29	15.85	26.25	18.12	39.21	1.20	391.80	255.50	17.42	5.59	2235	2164	2842
12/25/24 14:00	8.27	280.26	15.34	4.47	15.88	24.44	22.52	39.21	1.21	391.35	261.55	17.44	5.58	2303	2195	2842
12/25/24 15:00	8.20	280.01	12.57	4.42	15.86	19.92	23.54	39.20	1.22	391.10	253.87	17.44	5.59	2236	2236	2842
12/25/24 16:00	8.16	280.67	7.66	4.39	15.83	12.11	18.82	39.20	1.26	390.53	246.					

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
12/26/24 11:00	8.37	283.03	16.77	4.76	15.92	27.30	26.60	39.19	1.13	400.50	238.15	17.41	5.72	2095	2127	2838
12/26/24 12:00	8.40	283.51	22.47	5.59	15.77	39.17	30.81	39.19	1.13	401.08	246.53	17.39	5.75	2158	2110	2838
12/26/24 13:00	8.44	284.08	25.70	5.69	15.84	45.07	37.18	39.19	1.13	401.92	244.18	17.40	5.75	2142	2118	2838
12/26/24 14:00	8.45	284.02	24.75	4.82	15.76	40.38	41.54	39.19	1.13	401.74	241.80	17.42	5.72	2133	2131	2838
12/26/24 15:00	8.41	283.33	23.20	4.80	15.73	37.78	41.07	39.19	1.13	402.03	240.52	17.41	5.75	2119	2144	2838
12/26/24 16:00	8.37	283.54	22.02	4.77	15.71	35.75	37.97	39.19	1.13	402.02	239.11	17.41	5.75	2112	2131	2838
12/26/24 17:00	8.35	283.56	19.84	4.76	15.73	32.20	35.24	39.19	1.13	402.30	235.21	17.42	5.75	2078	2122	2837
12/26/24 18:00	8.32	284.26	21.98	4.99	15.69	36.30	34.75	39.19	1.12	402.06	230.09	17.42	5.72	2029	2103	2837
12/26/24 19:00	8.30	284.65	20.96	4.98	15.76	34.67	34.39	39.19	1.12	401.01	231.76	17.42	5.73	2049	2073	2837
12/26/24 20:00	8.31	285.52	22.39	4.80	15.85	36.55	35.84	39.19	1.13	402.25	232.71	17.43	5.74	2068	2052	2837
12/26/24 21:00	8.31	286.50	24.59	4.68	15.98	39.85	37.02	39.19	1.13	400.66	232.25	17.42	5.72	2055	2049	2837
12/26/24 22:00	7.99	285.15	24.18	4.76	15.94	39.40	38.60	39.19	1.14	399.42	232.62	17.40	5.75	2044	2057	2837
12/26/24 23:00	8.07	283.79	24.82	4.83	15.83	40.58	39.94	39.19	1.14	400.87	226.72	17.41	5.76	1997	2055	2836
12/27/24 0:00	8.25	282.85	28.73	5.80	15.68	51.01	43.66	39.19	1.13	402.85	227.51	17.39	5.80	1994	2032	2836
12/27/24 1:00	8.22	281.39	23.91	5.19	15.92	40.45	44.01	39.19	1.13	402.22	223.68	17.39	5.78	1959	2012	2836
12/27/24 2:00	7.44	280.31	28.10	4.75	16.01	45.80	45.75	39.19	1.13	402.67	226.45	17.37	5.81	1971	1983	2836
12/27/24 3:00	7.09	279.43	29.17	4.89	15.82	47.91	44.72	39.19	1.14	403.21	230.60	17.35	5.82	1997	1975	2836
12/27/24 4:00	7.46	279.38	28.97	4.82	15.93	47.42	47.04	39.20	1.15	403.49	236.35	17.34	5.87	2040	1976	2835
12/27/24 5:00	7.22	279.64	32.03	4.90	15.92	52.74	49.36	39.20	1.17	400.79	237.79	17.33	5.85	2045	2003	2835
12/27/24 6:00	7.03	279.74	33.69	5.64	15.71	58.71	52.96	39.20	1.17	401.27	237.77	17.32	5.87	2041	2028	2835
12/27/24 7:00	6.95	280.98	31.60	5.91	15.74	56.29	55.92	39.21	1.18	400.53	241.08	17.29	5.87	2045	2042	2835
12/27/24 8:00	7.00	281.70	32.34	5.51	15.85	55.88	56.96	39.21	1.17	401.88	248.39	17.26	5.87	2081	2044	2835
12/27/24 9:00	6.84	279.45	34.01	5.16	15.93	57.17	56.45	39.22	1.18	403.21	254.51	17.25	5.89	2128	2056	2834
12/27/24 10:00	6.54	280.59	35.95	5.03	15.89	59.76	57.60	39.22	1.23	401.44	259.68	17.25	5.91	2171	2085	2834
12/27/24 11:00	6.44	283.87	34.98	5.04	15.89	58.20	58.38	39.22	1.25	401.24	265.81	17.25	5.94	2227	2127	2834
12/27/24 12:00	6.44	285.47	34.93	5.58	15.76	60.57	59.51	39.23	1.23	401.22	287.37	17.21	6.01	2382	2175	2834
12/27/24 13:00	6.46	278.98	31.13	5.64	15.93	54.40	57.72	39.23	1.23	401.60	277.37	17.22	5.98	2310	2260	2834
12/27/24 14:00	6.46	270.07	30.94	5.51	15.99	53.57	56.18	39.24	1.23	400.88	271.68	17.22	6.00	2268	2306	2834
12/27/24 15:00	6.46	273.68	29.48	5.04	15.97	49.12	52.36	39.24	1.23	401.37	278.54	17.20	6.05	2309	2320	2834
12/27/24 16:00	6.44	274.56	32.02	4.93	16.06	52.95	51.88	39.24	1.24	401.91	273.63	17.19	6.07	2268	2296	2834
12/27/24 17:00	6.45	270.89	31.34	4.91	16.03	51.73	51.27	39.24	1.23	401.21	266.83	17.22	6.01	2227	2282	2833
12/27/24 18:00	6.60	270.24	30.58	5.38	15.95	52.35	52.34	39.25	1.23	400.29	269.50	17.21	6.03	2244	2268	2833
12/27/24 19:00	6.43	272.50	28.34	5.11	15.92	47.59	50.56	39.25	1.22	401.32	267.68	17.21	6.06	2230	2246	2833
12/27/24 20:00	6.59	271.94	24.44	4.69	15.99	39.62	46.52	39.25	1.22	401.89	267.38	17.23	6.04	2247	2234	2833
12/27/24 21:00	6.36	266.10	24.26	4.63	16.12	39.23	42.15	39.25	1.24	400.40	259.52	17.28	5.93	2206	2240	2833
12/27/24 22:00	6.26	263.27	22.70	4.65	16.07	36.73	38.53	39.25	1.21	401.99	286.53	17.17	6.12	2365	2228	2833
12/27/24 23:00	6.28	262.79	22.03	4.73	16.06	35.86	37.28	39.25	1.23	403.67	294.74	17.20	6.08	2458	2273	2833
12/28/24 0:00	6.29	262.56	21.21	5.64	15.99	37.12	36.57	39.25	1.23	402.36	294.18	17.19	6.10	2446	2343	2832
12/28/24 1:00	6.26	262.35	21.51	5.77	15.93	38.00	36.99	39.25	1.22	403.77	295.82	17.15	6.22	2442	2423	2832
12/28/24 2:00	6.40	262.47	20.81	4.99	15.98	34.55	36.56	39.25	1.21	405.06	292.48	17.15	6.23	2413	2448	2832
12/28/24 3:00	6.42	262.51	19.10	5.02	15.90	31.72	34.76	39.24	1.19	405.90	302.55	17.14	6.27	2498	2433	2832
12/28/24 4:00	6.43	263.05	20.72	4.94	15.97	34.26	33.51	39.24	1.13	409.96	320.53	17.13	6.30	2646	2451	2832
12/28/24 5:00	6.31	264.50	22.78	4.90	16.01	37.54	34.51	39.24	1.13	408.65	364.86	17.20	6.17	3064	2519	2832
12/28/24 6:00	6.41	264.56	22.18	5.45	16.05	38.27	36.69	39.24	1.18	405.82	338.22	17.19	6.21	2839	2736	2832
12/28/24 7:00	6.26	265.08	16.24	5.69	16.22	28.65	34.82	39.24	1.16	404.73	307.85	17.21	6.14	2587	2850	2832
12/28/24 8:00	6.32	263.97	14.28	5.34	16.08	24.42	30.45	39.24	1.15	405.13	306.81	17.18	6.19	2561	2830	2832
12/28/24 9:00	6.45	260.64	13.85	5.33	16.10	23.66	25.58	39.23	1.13	407.07	300.69	17.17	6.22	2505	2663	2832
12/28/24 10:00	6.68	261.11	16.57	5.17	15.90	27.82	25.30	39.23	1.16	407.08	310.32	17.18	6.22	2590	2551	2832
12/28/24 11:00	6.66	262.09	18.68	5.06	15.96	31.16	27.55	39.23	1.16	406.58	311.82	17.19	6.22	2615	2552	2832
12/28/24 12:00	6.53	262.56	20.17	5.66	15.86	35.35	31.44	39.23	1.18	405.68	308.77	17.21	6.21	2604	2570	2832
12/28/24 13:00	6.50	264.49	18.94	5.82	15.93	33.60	33.37	39.23	1.15	406.09	314.84	17.19	6.22	2642	2603	2832
12/28/24 14:00	6.52	265.29	18.40	5.40	15.85	31.46	33.47	39.23	1.16	406.52	308.58	17.19	6.22	2594	2620	2832
12/28/24 15:00	6.46	265.98	19.66	5.14	15.85	32.95	32.67	39.22	1.17	406.11	307.79	17.20	6.22	2591	2613	2832
12/28/24 16:00	6.50	262.83	15.16													

Stack CEMS Data

Timestamp	North Stack					North Stack SO2			South Stack					South Stack SO2		
	Flow	Temp	Act SO2	O2	H2O	1Hr	3hr Avg	365Day Avg	Flow	Temp	Act SO2	O2	H2O	1 Hr	3hr Avg	365Day Avg
	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	Air, H2O Corrected	Air, H2O Corrected	MMSCFH	DEGF	PPMV	V%	V%	Air, H2O Corrected	Air, H2O Corrected	Air, H2O Corrected
						ppmv	ppmv	ppmv						ppmv	ppmv	ppmv
12/29/24 23:00	6.38	264.12	23.15	4.58	15.76	37.09	37.74	39.30	1.09	415.76	328.54	16.97	6.76	2647	2523	2829
12/30/24 0:00	6.33	265.54	25.54	6.06	15.61	46.36	40.32	39.30	1.11	411.70	307.01	17.12	6.44	2549	2559	2829
12/30/24 1:00	6.42	264.62	21.06	4.80	15.68	34.27	39.24	39.30	1.15	401.00	282.08	17.27	6.04	2402	2567	2829
12/30/24 2:00	6.44	263.56	21.09	4.82	15.67	34.36	38.33	39.30	1.15	395.57	273.25	17.26	5.92	2296	2532	2829
12/30/24 3:00	6.49	262.13	21.27	4.84	15.72	34.73	34.45	39.30	1.16	391.96	266.32	17.28	5.79	2236	2415	2829
12/30/24 4:00	6.46	262.32	20.62	4.89	15.66	33.77	34.29	39.30	1.19	385.27	251.13	17.36	5.59	2143	2311	2829
12/30/24 5:00	6.67	263.19	20.21	4.92	15.68	33.18	33.89	39.30	1.19	381.31	250.13	17.34	5.57	2113	2225	2829
12/30/24 6:00	6.70	263.54	22.41	6.03	15.60	40.37	35.77	39.30	1.15	385.66	255.09	17.23	5.62	2070	2164	2828
12/30/24 7:00	6.61	264.02	21.58	5.52	15.92	37.39	36.98	39.30	1.13	391.09	261.74	17.03	5.66	1978	2109	2828
12/30/24 8:00	6.58	263.13	22.13	5.14	15.76	37.03	38.26	39.30	1.13	393.81	263.67	17.09	5.78	2052	2054	2828
12/30/24 9:00	6.56	261.88	22.54	5.01	16.06	37.52	37.31	39.30	1.12	394.45	248.69	17.21	5.77	2024	2033	2828
12/30/24 10:00	6.49	262.64	21.50	5.02	15.93	35.73	36.76	39.30	1.11	398.57	340.55	17.10	5.96	2679	2018	2828
12/30/24 11:00	6.80	260.52	19.93	4.99	15.80	32.98	35.41	39.29	1.12	399.52	306.64	17.10	5.81	2400	2252	2828
12/30/24 12:00	6.83	261.39	21.81	6.11	15.58	39.60	36.10	39.29	1.12	400.39	297.66	17.05	5.86	2298	2368	2828
12/30/24 13:00	6.99	263.51	20.66	5.37	15.51	35.16	35.91	39.29	1.13	399.97	283.96	17.15	5.81	2263	2459	2827
12/30/24 14:00	7.15	264.40	20.22	4.99	15.48	33.28	36.01	39.29	1.13	399.30	276.68	17.13	5.82	2189	2321	2827
12/30/24 15:00	7.08	263.62	20.28	5.00	15.44	33.39	33.94	39.29	1.13	400.78	291.25	17.11	5.91	2305	2250	2827
12/30/24 16:00	7.04	267.14	20.40	4.96	15.48	33.51	33.39	39.29	1.14	402.84	318.73	17.08	5.99	2511	2252	2827
12/30/24 17:00	7.02	268.56	21.18	4.92	15.46	34.67	33.85	39.29	1.13	401.95	285.85	17.12	5.95	2283	2335	2827
12/30/24 18:00	6.96	268.63	23.86	6.13	15.35	43.24	37.14	39.29	1.13	401.78	269.95	17.17	5.92	2194	2366	2827
12/30/24 19:00	6.92	266.85	18.79	5.48	15.40	32.45	36.79	39.29	1.13	403.76	330.31	17.09	6.09	2632	2329	2827
12/30/24 20:00	6.93	265.75	17.53	4.98	15.31	28.76	34.82	39.28	1.13	404.47	302.18	17.10	6.11	2424	2369	2827
12/30/24 21:00	7.10	265.16	19.10	5.02	15.24	31.39	30.87	39.28	1.12	406.19	430.28	17.07	6.35	3483	2416	2827
12/30/24 22:00	7.25	268.00	22.83	4.95	15.13	37.27	32.47	39.28	1.12	406.34	531.16	17.13	6.30	4368	2846	2827
12/30/24 23:00	7.75	270.91	22.43	4.88	14.61	36.10	34.92	39.28	1.13	404.83	344.37	17.22	6.07	2881	3425	2827
12/31/24 0:00	7.78	272.21	25.09	6.08	14.52	44.64	39.34	39.28	1.13	403.00	316.19	17.24	6.02	2659	3577	2827
12/31/24 1:00	8.34	274.25	25.49	5.63	14.91	43.76	41.50	39.28	1.13	402.04	307.96	17.22	6.00	2571	3303	2827
12/31/24 2:00	8.43	271.29	29.35	5.17	15.20	48.79	45.73	39.29	1.13	400.88	273.98	17.26	5.90	2302	2704	2827
12/31/24 3:00	8.57	268.63	32.86	5.18	15.20	54.63	49.06	39.29	1.13	401.42	295.30	17.21	6.06	2460	2510	2827
12/31/24 4:00	8.63	266.19	31.85	5.18	15.22	53.00	52.14	39.29	1.13	400.70	292.72	17.24	6.05	2472	2444	2827
12/31/24 5:00	8.65	263.86	31.39	5.18	15.21	52.21	53.28	39.30	1.13	401.32	309.06	17.19	6.14	2575	2411	2827
12/31/24 6:00	8.66	263.31	31.74	6.07	15.16	56.89	54.04	39.30	1.13	401.63	329.65	17.20	6.22	2774	2502	2827
12/31/24 7:00	8.58	264.71	30.20	6.24	14.99	54.70	54.60	39.30	1.14	401.65	284.49	17.25	6.11	2423	2607	2827
12/31/24 8:00	8.79	266.59	30.60	5.54	14.99	52.20	54.60	39.31	1.15	401.44	304.62	17.22	6.11	2559	2591	2826
12/31/24 9:00	8.81	267.52	29.79	5.56	15.05	50.95	52.62	39.31	1.17	400.43	273.51	17.25	6.14	2333	2585	2826
12/31/24 10:00	8.88	273.44	29.93	5.45	15.08	50.77	51.31	39.31	1.19	401.67	283.53	17.23	6.19	2410	2439	2826
12/31/24 11:00	8.67	274.12	29.21	5.27	15.20	48.95	50.23	39.31	1.21	404.32	287.00	17.19	6.28	2413	2434	2826
12/31/24 12:00	8.69	281.79	27.68	5.73	15.33	48.28	49.34	39.32	1.23	402.68	273.81	17.21	6.23	2320	2386	2826
12/31/24 13:00	8.54	285.47	22.70	5.61	15.41	39.28	45.50	39.32	1.23	402.16	258.98	17.31	6.03	2245	2381	2826
12/31/24 14:00	8.54	289.79	22.31	4.88	15.40	36.35	41.30	39.32	1.24	398.23	255.94	17.33	5.73	2178	2326	2826
12/31/24 15:00	8.53	291.67	22.70	4.89	15.38	37.00	37.54	39.31	1.24	397.02	248.06	17.31	5.74	2093	2248	2826
12/31/24 16:00	8.51	291.64	22.95	4.90	15.37	37.42	36.92	39.31	1.24	396.39	242.74	17.32	5.65	2046	2172	2826
12/31/24 17:00	8.54	293.05	23.24	4.91	15.39	37.97	37.46	39.31	1.24	397.38	251.59	17.22	5.83	2072	2106	2825
12/31/24 18:00	8.52	291.55	24.26	5.72	15.28	42.25	39.21	39.31	1.24	396.95	237.89	17.31	5.78	2020	2070	2825
12/31/24 19:00	8.47	292.79	17.89	5.38	15.23	30.44	36.89	39.31	1.24	396.76	241.61	17.31	5.74	2042	2046	2825
12/31/24 20:00	8.49	293.48	16.79	4.95	15.19	27.42	33.37	39.31	1.24	395.98	239.87	17.25	5.84	1997	2045	2825
12/31/24 21:00	8.46	294.44	17.90	5.03	15.20	29.41	29.09	39.31	1.23	396.66	240.35	17.28	5.81	2023	2020	2825
12/31/24 22:00	8.45	291.66	19.07	5.07	15.19	31.44	29.43	39.31	1.20	399.09	254.56	17.12	6.12	2057	2021	2824
12/31/24 23:00	8.48	290.56	19.33	5.10	15.16	31.92	30.92	39.30	1.21	401.17	264.29	17.14	6.33	2193	2026	2824
1/1/25 0:00	8.53	288.73	23.16	5.77	15.02	40.41	34.59	39.30	1.21	400.61	251.80	17.22	6.16	2128	2091	2824

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/1/2024 0:00	27.7	7.10	246	2.63	188	0.00	5.32	7.40	0.643	0.943	239.38	0.242	0.24	<invalid>	0.2	<invalid>
7/1/2024 1:00	27.3	6.94	240	2.63	188	0.00	5.81	7.12	0.643	0.943	224.92	0.242	0.00	6.59	3.4	0.055
7/1/2024 2:00	26.0	7.22	251	2.62	188	0.00	5.36	7.05	0.643	0.943	215.91	0.242	0.00	11.52	6.1	0.095
7/1/2024 3:00	26.2	7.02	238	2.77	188	0.00	5.92	6.93	0.643	0.943	202.69	0.242	0.00	8.06	6.6	0.067
7/1/2024 4:00	26.4	7.08	236	2.78	188	0.00	5.21	7.01	0.643	0.943	207.36	0.242	0.00	5.92	6.5	0.050
7/1/2024 5:00	27.3	6.98	237	2.77	188	0.00	5.87	7.16	0.643	0.943	217.81	0.242	0.00	0.48	5.5	0.004
7/1/2024 6:00	27.6	7.00	240	2.68	188	0.00	5.08	7.28	0.643	0.943	229.91	0.242	0.00	0.29	4.7	0.002
7/1/2024 7:00	26.9	6.99	238	2.69	188	0.00	5.62	7.08	0.643	0.943	217.92	0.242	0.00	0.76	4.2	0.006
7/1/2024 8:00	24.6	7.22	251	2.60	188	0.00	5.39	6.69	0.643	0.943	195.11	0.242	0.00	0.72	3.8	0.006
7/1/2024 9:00	25.1	6.98	241	2.47	188	0.00	5.83	6.59	0.643	0.943	204.88	0.242	0.00	0.53	3.5	0.004
7/1/2024 10:00	18.5	7.00	244	2.34	188	-0.01	5.85	4.88	0.643	0.943	107.32	0.242	0.00	0.01	3.2	0.000
7/1/2024 11:00	18.3	7.08	248	2.33	188	-0.01	5.46	4.86	0.643	0.943	106.09	0.242	0.00	0.00	2.9	0.000
7/1/2024 12:00	17.9	6.94	242	2.38	188	0.00	5.53	4.66	0.643	0.943	91.08	0.242	0.00	0.00	2.7	0.000
7/1/2024 13:00	24.6	6.91	240	2.63	188	-0.01	7.02	6.40	0.643	0.943	180.00	0.242	0.00	0.00	2.5	0.000
7/1/2024 14:00	35.8	6.96	235	3.36	189	0.00	5.58	9.36	0.643	0.943	307.40	0.242	68.26	16.78	3.5	0.138
7/1/2024 15:00	34.8	7.08	236	3.40	188	-0.01	5.30	9.26	0.643	0.943	297.32	0.242	58.19	46.37	6.1	0.384
7/1/2024 16:00	33.0	6.87	238	3.40	188	0.00	5.26	8.54	0.643	0.943	250.17	0.242	11.04	52.72	8.9	0.439
7/1/2024 17:00	33.0	7.01	234	3.32	188	0.00	5.69	8.69	0.643	0.943	269.22	0.242	30.99	40.05	10.6	0.329
7/1/2024 18:00	34.8	7.02	238	3.35	188	-0.01	6.22	9.18	0.643	0.943	296.10	0.242	56.97	27.34	11.5	0.227
7/1/2024 19:00	38.3	6.94	235	3.63	188	0.00	6.42	10.01	0.643	0.943	327.00	0.242	87.87	43.41	13.1	0.358
7/1/2024 20:00	36.6	6.96	235	3.77	188	0.00	6.12	9.58	0.643	0.943	286.80	0.242	47.66	66.49	15.6	0.599
7/1/2024 21:00	34.3	6.96	236	3.70	188	0.00	6.18	8.70	0.643	0.943	286.52	0.242	0.00	57.98	17.6	0.485
7/1/2024 22:00	33.1	7.07	242	3.81	188	0.00	6.52	9.06	0.643	0.943	246.18	0.242	7.05	41.68	18.6	0.354
7/1/2024 23:00	35.0	6.89	233	3.72	188	-0.01	6.08	6.83	0.643	0.943	260.25	0.242	21.11	19.28	18.6	0.163
7/2/2024 0:00	30.7	7.18	239	3.63	188	0.00	7.17	8.28	0.644	0.938	215.21	0.242	0.00	18.92	18.6	0.160
7/2/2024 1:00	33.7	7.06	237	3.49	188	0.00	8.07	8.95	0.644	0.938	272.30	0.242	33.17	14.10	18.5	0.119
7/2/2024 2:00	30.2	7.02	235	3.44	188	0.00	9.50	7.98	0.644	0.938	215.94	0.242	0.00	15.24	18.3	0.128
7/2/2024 3:00	30.9	6.92	234	3.33	188	0.00	9.20	8.05	0.644	0.938	230.26	0.242	0.00	8.23	18.0	0.069
7/2/2024 4:00	26.5	6.87	235	3.24	188	0.00	8.98	6.85	0.644	0.938	160.12	0.242	0.00	7.23	17.6	0.063
7/2/2024 5:00	30.4	6.93	237	3.28	188	0.00	9.23	7.93	0.644	0.938	225.72	0.340	52.08	7.40	17.3	0.063
7/2/2024 6:00	26.1	7.03	243	3.23	188	0.00	9.05	6.89	0.644	0.938	161.15	0.340	0.00	10.87	17.1	0.092
7/2/2024 7:00	26.5	6.87	235	3.10	188	0.00	9.49	6.84	0.644	0.938	172.54	0.340	0.00	16.02	17.0	0.136
7/2/2024 8:00	31.8	6.88	235	2.98	188	0.00	9.53	23.3	0.644	0.938	272.52	0.340	98.88	12.09	17.2	0.186
7/2/2024 9:00	29.8	6.97	245	3.25	188	0.00	9.24	7.81	0.644	0.938	216.35	0.340	42.72	36.27	17.8	0.312
7/2/2024 10:00	30.1	6.98	244	3.24	188	0.00	8.49	8.42	0.644	0.938	240.88	0.340	74.58	48.98	18.6	0.417
7/2/2024 11:00	30.5	6.67	224	3.41	188	0.00	9.17	7.68	0.644	0.938	204.57	0.340	30.93	56.82	17.7	0.478
7/2/2024 12:00	31.4	6.89	227	3.67	188	-0.01	9.12	8.14	0.644	0.938	210.57	0.340	36.94	48.30	20.5	0.409
7/2/2024 13:00	24.7	6.97	236	3.32	188	0.00	11.82	6.47	0.644	0.938	129.35	0.340	0.00	32.34	20.8	0.274
7/2/2024 14:00	29.5	6.82	221	3.38	188	0.00	11.36	7.58	0.644	0.938	202.44	0.340	28.80	26.68	20.9	0.224
7/2/2024 15:00	32.9	6.75	219	3.43	188	-0.01	14.86	8.36	0.644	0.938	255.14	0.340	81.50	26.74	21.1	0.224
7/2/2024 16:00	30.9	7.09	228	3.53	188	0.00	9.25	8.03	0.644	0.938	273.52	0.340	99.88	43.79	21.6	0.368
7/2/2024 17:00	31.8	6.92	233	3.44	188	0.00	0.14	8.29	0.644	0.938	231.14	0.340	57.50	45.40	22.2	0.379
7/2/2024 18:00	28.8	6.91	235	3.13	188	0.00	9.02	7.49	0.644	0.938	206.36	0.340	32.72	48.31	22.8	0.404
7/2/2024 19:00	28.6	6.83	237	2.95	188	0.00	0.02	7.34	0.644	0.938	211.04	0.340	37.40	42.58	23.3	0.356
7/2/2024 20:00	54.7	6.85	239	2.86	188	0.00	0.01	14.09	0.644	0.938	639.52	0.340	465.89	123.44	25.5	1.040
7/2/2024 21:00	55.8	6.48	207	2.82	187	0.00	10.37	13.60	0.644	0.938	681.32	0.340	507.68	256.59	30.5	2.118
7/2/2024 22:00	52.8	6.74	231	2.81	188	0.00	2.79	13.38	0.644	0.938	614.84	0.340	441.20	406.27	38.5	3.416
7/2/2024 23:00	52.7	7.31	229	2.95	188	0.00	16.25	16.95	0.644	0.938	865.05	0.340	862.42	463.63	47.8	4.044
7/3/2024 0:00	56.3	6.82	221	2.86	188	0.00	14.87	14.43	0.644	0.938	714.68	0.340	541.04	534.26	57.7	4.507
7/3/2024 1:00	55.8	6.82	224	2.81	188	0.00	16.31	14.31	0.644	0.938	709.18	0.340	535.54	549.41	67.5	4.591
7/3/2024 2:00	72.0	6.72	223	2.76	188	0.00	16.44	18.19	0.644	0.938	979.36	0.340	805.72	613.99	78.3	5.169
7/3/2024 3:00	58.9	6.73	223	2.75	188	0.00	16.51	14.93	0.644	0.938						

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.
 *For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/5/2024 7:00	27.3	7.29	251	3.74	188	0.00	7.24	7.48	0.644	0.938	151.18	0.010	0.00	0.12	58.7	0.001
7/5/2024 8:00	20.2	7.34	253	3.78	188	-0.01	7.69	5.57	0.644	0.938	29.93	0.010	0.00	0.01	58.2	0.000
7/6/2024 9:00	21.7	7.32	266	3.81	188	-0.01	7.59	5.97	0.644	0.938	49.91	0.010	0.00	0.00	57.8	0.000
7/6/2024 10:00	19.0	7.30	256	3.78	188	-0.01	7.36	5.23	0.644	0.938	8.59	0.010	0.00	0.00	57.4	0.000
7/6/2024 11:00	21.9	7.11	249	3.89	188	-0.01	7.02	5.83	0.644	0.938	37.29	0.010	0.00	0.00	56.9	0.000
7/6/2024 12:00	21.8	7.31	256	3.93	187	-0.01	7.02	6.00	0.644	0.938	43.72	0.010	0.00	0.00	56.5	0.000
7/6/2024 13:00	18.7	7.18	249	3.88	188	-0.01	7.67	5.06	0.644	0.938	-9.74	0.010	0.00	0.00	56.1	0.000
7/6/2024 14:00	22.0	7.23	254	3.95	188	-0.01	7.30	5.97	0.644	0.938	40.14	0.010	0.00	0.00	55.7	0.000
7/6/2024 15:00	22.7	7.31	254	3.92	188	-0.01	7.12	6.24	0.644	0.938	59.67	0.010	0.00	0.00	55.2	0.000
7/6/2024 16:00	22.9	7.18	255	3.96	188	-0.01	7.32	6.19	0.644	0.938	53.16	0.010	0.00	0.00	54.8	0.000
7/6/2024 17:00	26.9	7.32	260	3.95	188	-0.01	7.48	7.05	0.644	0.938	126.43	0.010	0.00	0.00	54.4	0.000
7/6/2024 18:00	21.4	7.24	256	4.01	188	-0.01	5.67	5.83	0.644	0.938	27.01	0.010	0.00	0.00	54.1	0.000
7/6/2024 19:00	22.7	7.29	259	3.92	188	-0.01	5.46	6.22	0.644	0.938	57.09	0.010	0.00	0.00	53.7	0.000
7/6/2024 20:00	19.4	7.14	263	3.84	188	-0.01	5.37	5.22	0.644	0.938	3.03	0.010	0.00	0.00	53.3	0.000
7/6/2024 21:00	20.2	7.20	260	3.85	188	-0.01	5.30	5.47	0.644	0.938	17.05	0.010	0.00	0.00	52.9	0.000
7/6/2024 22:00	21.0	7.19	250	3.86	188	-0.01	4.54	5.69	0.644	0.938	30.06	0.010	0.00	0.00	52.5	0.000
7/6/2024 23:00	21.6	7.51	262	3.99	188	-0.01	4.64	6.15	0.644	0.938	46.67	0.010	0.00	0.00	52.2	0.000
7/7/2024 0:00	22.6	7.47	269	3.95	188	-0.01	4.11	6.36	0.644	0.938	61.62	0.010	0.00	0.00	51.8	0.000
7/7/2024 1:00	21.4	7.37	261	3.90	188	0.00	4.87	5.93	0.644	0.938	41.11	0.010	0.00	0.00	51.5	0.000
7/7/2024 2:00	19.8	7.23	254	3.70	188	0.00	4.50	5.39	0.644	0.938	25.19	0.010	0.00	0.00	51.1	0.000
7/7/2024 3:00	20.4	7.36	259	3.63	188	0.00	4.54	5.64	0.644	0.938	45.80	0.010	0.00	0.00	50.8	0.000
7/7/2024 4:00	21.6	7.27	256	3.47	188	-0.01	4.21	5.92	0.644	0.938	75.27	0.010	0.00	0.00	50.4	0.000
7/7/2024 5:00	18.8	7.41	257	3.49	188	-0.01	5.28	5.23	0.644	0.938	32.44	0.010	0.00	0.00	50.1	0.000
7/7/2024 6:00	20.9	7.33	259	3.36	188	-0.01	5.78	5.78	0.644	0.938	75.71	0.010	0.00	0.00	49.8	0.000
7/7/2024 7:00	19.6	7.50	275	3.30	188	-0.01	5.97	5.52	0.644	0.938	62.87	0.010	0.00	0.00	49.4	0.000
7/7/2024 8:00	19.4	7.49	265	3.41	188	-0.01	6.68	5.45	0.644	0.938	51.64	0.010	0.00	0.00	49.1	0.000
7/7/2024 9:00	21.0	7.29	254	3.66	188	-0.01	6.23	5.75	0.644	0.938	50.19	0.010	0.00	0.00	48.8	0.000
7/7/2024 10:00	23.8	7.32	269	3.79	188	0.00	7.90	6.55	0.644	0.938	85.70	0.010	0.00	0.00	48.5	0.000
7/7/2024 11:00	26.3	7.37	254	3.92	188	0.00	8.47	7.29	0.644	0.938	123.91	0.010	0.00	0.00	48.2	0.000
7/7/2024 12:00	25.4	7.39	256	3.85	188	-0.01	8.56	7.05	0.644	0.938	114.45	0.010	0.00	0.00	47.9	0.000
7/7/2024 13:00	24.6	7.22	256	3.88	188	-0.01	8.46	6.68	0.644	0.938	89.17	0.010	0.00	0.00	47.6	0.000
7/7/2024 14:00	25.9	7.31	260	3.84	188	-0.01	8.28	7.13	0.644	0.938	119.42	0.010	0.00	0.00	47.3	0.004
7/7/2024 15:00	29.0	7.24	253	4.07	188	-0.01	8.42	7.89	0.644	0.938	148.61	0.010	0.00	0.00	44.4	0.004
7/7/2024 16:00	28.6	7.08	248	4.06	188	-0.01	8.58	7.60	0.644	0.938	133.31	0.010	0.00	0.00	44.4	0.004
7/7/2024 17:00	28.5	7.20	248	4.06	188	-0.01	8.57	7.73	0.644	0.938	141.74	0.010	0.00	0.00	46.4	0.000
7/7/2024 18:00	26.9	7.32	258	4.07	188	-0.01	8.48	7.41	0.644	0.938	119.45	0.010	0.00	0.00	46.1	0.000
7/7/2024 19:00	27.9	7.33	255	4.09	188	-0.01	8.52	7.68	0.644	0.938	133.22	0.010	0.00	0.00	45.8	0.000
7/7/2024 20:00	27.1	7.33	255	4.05	188	-0.01	7.89	7.47	0.644	0.938	123.73	0.010	0.00	1.09	45.5	0.009
7/7/2024 21:00	27.8	7.35	258	4.07	188	0.00	8.10	7.68	0.644	0.938	134.65	0.010	0.00	1.09	45.3	0.009
7/7/2024 22:00	26.1	7.30	255	4.06	188	-0.01	8.07	7.16	0.644	0.938	103.80	0.010	0.00	1.09	45.0	0.009
7/7/2024 23:00	25.9	7.41	262	4.00	188	-0.01	8.06	7.21	0.644	0.938	110.22	0.010	0.00	0.00	44.7	0.000
7/8/2024 0:00	26.9	7.40	264	4.01	188	-0.01	8.08	7.74	0.644	0.938	139.25	0.010	0.00	0.00	44.5	0.000
7/8/2024 1:00	25.7	7.42	264	3.99	188	-0.01	7.93	7.17	0.644	0.938	107.71	0.010	0.00	0.00	44.2	0.000
7/8/2024 2:00	26.0	7.39	269	3.93	188	0.00	8.47	7.22	0.644	0.938	114.47	0.010	0.00	0.00	44.0	0.000
7/8/2024 3:00	26.7	7.37	257	3.95	188	-0.01	8.56	7.40	0.644	0.938	127.95	0.010	0.00	0.00	43.7	0.000
7/8/2024 4:00	25.9	7.37	270	3.89	188	-0.01	7.87	7.19	0.644	0.938	116.15	0.010	0.00	0.00	43.5	0.000
7/8/2024 5:00	26.2	7.31	256	3.88	188	0.00	8.44	7.22	0.644	0.938	122.97	0.480	16.68	1.73	43.2	0.014
7/8/2024 6:00	25.6	7.32	260	3.91	188	0.00	7.51	6.05	0.644	0.938	115.64	0.480	15.86	1.73	43.0	0.014
7/8/2024 7:00	23.4	7.28	251	3.78	188	0.00	8.87	6.42	0.644	0.938	82.34	0.480	9.78	42.8	42.8	0.081
7/8/2024 8:00	20.6	7.31	255	3.79	188	-0.01	8.91	5.66	0.644	0.938	34.75	0.480	0.00	8.09	42.6	0.067
7/8/2024 9:00	20.6	7.29	250	3.90	188	-0.01	9.22	5.65	0.644	0.938	25.49	0.480	0.00	2.85	42.4	0.024
7/8/2024 10:00	23.4	7.27	254	3.89	188	0.00	9.50	6.40	0.644	0.938	71.85	0.480	0.00	0.03	42.2	0.000
7/8/2024 11:00	25.4	7.31	258	3.99	188	-0.01	9.47	6.97	0.644	0.938	97.53	0.480	0.00	0.00	41.9	0.000
7/8/2024 12:00	22.6	7.26	249	4.04	188	-0.01	9.10	6.17	0.644	0.938	45.64	0.480	0.00	0.00	41.7	0.000
7/8/2024 13:00	23.7	7.30	257	4.04	188	0.00	9.40	6.80	0.644	0.938	68.40	0.480	0.00	0.00	41.5	0.000
7/8/2024 14:00	27.2	7.26	256	4.17	188	-0.01	8.84	7.42	0.644	0.938	110.81	0.480	5.52	13.14	41.3	0.110
7/8/2024 15:00	27.1	7.38	260	4.16	188	-0.01	8.93	7.53	0.644	0.938	116.96	0.480	11.68	17.08	41.2	0.143
7/8/2024 16:00	26.1	7.29	251	4.21	188	-0.01	8.90	7.16	0.644	0.938	92.37	0.480	0.00	0.00	41.1	0.162
7/8/2024 17:00	28.4	7.35	264	4.25	188	-0.01	8.83	7.85	0.644	0.938	128.51	0.480	23.23	8.88	40.9	0.075
7/8/2024 18:00	26.6	7.34	260	4.14	188	-0.01	9.49	7.34	0.644	0.938	107.66	0.480	2.38	7.53	40.7	0.064
7/8/2024 19:00	25.4	7.31	257	4.19	188	-0.01	9.05	6.80	0.644	0.938	85.07	0.480	0.00	7.38	40.6	0.091
7/8/2024 20:00	28.4	7.27	264	4.14	188	-0.01	7.79	7.76	0.644	0.938	130.69	0.480	25.40	23.29	40.4	0.199
7/8/2024 21:00	27.8	7.19	256	4.25	188	-0.01	3.62	7.53	0.644	0.938	109.45	0.480	4.17	23.43	40.4	0.201
7/8/2024 22:00	25.6	7.21	241	4.18	188	-0.01	3.67	6.95	0.644	0.938	83.39	0.480	0.00	22.07	40.3	0.189
7/8/2024 23:00	26.7	7.49	252	4.11	188	-0.01	3.66	7.51	0.644	0.938	120.83	0.480	15.55	9.91	40.1	0.084
7/9/2024 0:00	29.0	7.17	256	4.13	188	-0.01	4.31	7.62	0.644	0.938	137.33	0.480	32.00	11.23	39.9	0.098
7/9/2024 1:00	27.4	7.19	251	4.19	188	-0.01	3.97	7.38	0.644	0.938	108.23	0.480	1.13	16.23	39.8	0.141
7/9/2024 2:00	27.2	7.07	250	4.13	188	0.00	3.89	7.23	0.644	0.938	102.68	0.480	0.00	25.14	39.8	0.216
7/9/2024 3:00	30.6	7.19	252	4.12	188	-0.01	3.57	8.28	0.644	0.938	166.85	0.480	61.56	32.77	39.7	0.284
7/9/2024 4:00	27.8	7.02	244	4.07	188	-0.01										

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/11/2024 14:00	21.9	7.35	258	4.26	188	-0.01	8.92	6.05	0.644	0.938	19.84	0.030	0.00	0.00	57.8	0.000
7/11/2024 15:00	23.3	7.20	235	4.20	188	-0.01	9.33	6.31	0.644	0.938	34.78	0.030	0.00	0.00	57.6	0.000
7/11/2024 16:00	26.0	7.16	240	4.42	187	0.00	9.34	7.01	0.644	0.938	67.83	0.030	0.00	0.00	57.4	0.000
7/11/2024 17:00	24.4	7.15	235	4.55	189	-0.01	9.52	6.56	0.644	0.938	28.38	0.030	0.00	0.00	57.2	0.000
7/11/2024 18:00	26.5	7.20	247	4.53	188	-0.01	8.94	7.11	0.644	0.938	63.95	0.030	0.00	0.00	57.0	0.000
7/11/2024 19:00	29.8	7.13	243	4.61	188	0.00	8.99	8.01	0.644	0.938	114.00	0.030	0.00	0.00	56.7	0.000
7/11/2024 20:00	32.6	6.98	242	4.59	188	-0.01	9.34	8.56	0.644	0.938	150.41	0.030	0.00	0.00	56.5	0.001
7/11/2024 21:00	31.8	7.06	239	4.53	188	0.00	9.42	8.44	0.644	0.938	148.82	0.030	0.00	0.00	56.3	0.001
7/11/2024 22:00	30.0	6.97	225	4.53	188	-0.01	9.05	7.87	0.644	0.938	117.33	0.030	0.00	0.00	56.1	0.001
7/11/2024 23:00	26.2	7.07	227	4.48	188	-0.01	9.51	6.97	0.644	0.938	62.18	0.030	0.00	0.00	55.9	0.000
7/12/2024 0:00	25.5	7.17	221	4.51	188	0.00	9.01	6.81	0.644	0.938	49.96	0.010	6.01	42.00	55.7	0.000
7/12/2024 1:00	26.5	6.88	211	4.48	188	0.00	9.45	6.86	0.644	0.938	57.52	0.010	7.57	5.00	55.5	0.042
7/12/2024 2:00	25.9	7.10	223	4.42	188	0.00	8.83	6.91	0.644	0.938	63.58	0.010	13.63	16.01	55.3	0.133
7/12/2024 3:00	26.5	6.87	209	4.44	188	-0.01	9.37	6.85	0.644	0.938	60.46	0.010	10.52	18.05	55.2	0.148
7/12/2024 4:00	25.7	6.88	213	4.46	188	0.00	9.18	6.66	0.644	0.938	44.61	0.010	0.00	17.29	55.0	0.143
7/12/2024 5:00	25.1	7.01	216	4.40	188	0.00	9.08	6.62	0.644	0.938	47.11	0.010	0.00	9.46	54.9	0.079
7/12/2024 6:00	26.5	6.93	220	4.38	188	0.00	9.36	6.70	0.644	0.938	58.86	0.010	6.44	8.91	54.7	0.110
7/12/2024 7:00	26.0	7.10	224	4.25	188	0.00	5.18	6.94	0.644	0.938	80.05	0.010	30.10	15.71	54.6	0.130
7/12/2024 8:00	25.5	7.17	221	4.38	188	0.00	5.65	6.88	0.644	0.938	65.07	0.010	15.12	20.24	54.5	0.169
7/12/2024 9:00	23.3	6.98	213	4.48	188	0.00	5.61	6.10	0.644	0.938	4.57	0.010	0.00	15.30	54.3	0.127
7/12/2024 10:00	25.2	7.08	221	4.65	188	0.00	5.36	6.70	0.644	0.938	29.70	0.010	0.00	9.83	54.1	0.081
7/12/2024 11:00	25.4	7.15	222	4.70	188	-0.01	5.42	6.84	0.644	0.938	34.02	0.010	0.00	4.91	54.0	0.041
7/12/2024 12:00	27.7	7.08	224	4.59	188	-0.01	5.93	7.37	0.644	0.938	78.45	0.010	26.50	9.72	53.8	0.086
7/12/2024 13:00	28.5	6.97	220	4.66	187	-0.01	6.17	7.48	0.644	0.938	80.43	0.010	30.49	15.52	53.7	0.127
7/12/2024 14:00	29.3	6.97	216	4.55	188	-0.01	5.63	7.68	0.644	0.938	104.29	0.010	54.35	32.15	53.6	0.257
7/12/2024 15:00	28.2	6.93	217	4.53	188	0.00	5.74	7.35	0.644	0.938	83.98	0.010	34.03	40.95	53.5	0.329
7/12/2024 16:00	28.5	6.95	213	4.63	188	-0.01	5.80	7.45	0.644	0.938	82.67	0.010	32.72	48.88	53.5	0.388
7/12/2024 17:00	25.2	7.19	222	4.66	188	-0.01	4.93	6.81	0.644	0.938	36.14	0.010	0.00	40.28	53.5	0.335
7/12/2024 18:00	23.3	7.04	219	4.17	188	0.00	5.62	6.17	0.644	0.938	36.97	0.010	0.00	35.00	53.4	0.280
7/12/2024 19:00	23.0	7.03	225	4.08	188	0.00	5.02	6.08	0.644	0.938	38.44	0.010	0.00	29.22	53.3	0.198
7/12/2024 20:00	26.6	6.90	225	4.16	188	0.00	0.00	6.89	0.644	0.938	83.66	0.010	33.71	44.91	53.3	0.380
7/12/2024 21:00	28.8	7.13	228	4.17	188	-0.01	0.01	7.72	0.644	0.938	134.99	0.010	85.05	61.95	53.3	0.518
7/12/2024 22:00	28.8	7.09	229	4.20	188	0.00	0.01	7.68	0.644	0.938	129.83	0.010	79.89	85.87	53.4	0.715
7/12/2024 23:00	29.0	7.37	226	4.31	188	0.00	0.01	8.05	0.644	0.938	145.22	0.010	95.28	80.86	53.5	0.673
7/13/2024 0:00	31.1	7.13	227	4.23	188	-0.01	0.01	8.34	0.644	0.938	169.60	0.010	119.65	84.62	53.6	0.702
7/13/2024 1:00	28.5	7.21	225	4.24	188	0.00	0.01	7.74	0.644	0.938	132.90	0.010	64.41	82.02	53.7	0.695
7/13/2024 2:00	29.7	7.21	229	4.22	188	0.00	0.01	8.04	0.644	0.938	151.21	0.010	101.27	87.52	53.8	0.727
7/13/2024 3:00	28.6	7.27	228	4.06	188	0.00	0.01	7.81	0.644	0.938	150.86	0.010	100.91	85.81	54.0	0.713
7/13/2024 4:00	30.2	7.22	223	4.05	188	0.00	7.99	8.19	0.644	0.938	181.68	0.010	131.74	93.34	54.1	0.776
7/13/2024 5:00	26.6	7.12	224	4.15	188	0.00	3.34	7.13	0.644	0.938	100.66	0.010	50.72	85.99	54.2	0.713
7/13/2024 6:00	27.4	7.06	223	4.10	184	0.00	2.91	7.29	0.644	0.938	117.22	0.010	67.27	86.93	54.3	0.723
7/13/2024 7:00	28.5	7.03	224	3.98	183	0.00	2.52	7.50	0.644	0.938	140.47	0.010	84.52	86.79	54.4	0.721
7/13/2024 8:00	29.7	7.06	229	4.11	183	-0.01	2.61	7.88	0.644	0.938	152.96	0.010	103.02	94.22	54.6	0.793
7/13/2024 9:00	24.4	7.08	228	4.19	183	0.00	4.60	6.51	0.644	0.938	57.10	0.010	7.16	88.76	54.7	0.728
7/13/2024 10:00	27.7	7.13	226	4.22	184	0.00	5.17	7.44	0.644	0.938	115.65	0.010	65.70	70.48	54.7	0.583
7/13/2024 11:00	26.3	6.99	221	4.45	184	-0.01	5.22	6.92	0.644	0.938	62.68	0.010	12.74	48.09	54.7	0.397
7/13/2024 12:00	26.1	7.11	224	4.45	183	-0.01	5.10	6.97	0.644	0.938	65.07	0.010	15.13	40.56	54.7	0.332
7/13/2024 13:00	28.5	6.97	221	4.45	183	-0.01	5.59	6.82	0.644	0.938	94.98	0.010	45.48	42.47	54.6	0.358
7/13/2024 14:00	30.4	7.04	223	4.50	183	-0.01	5.33	8.05	0.644	0.938	124.42	0.010	74.48	68.79	54.7	0.569
7/13/2024 15:00	31.0	7.01	226	4.54	183	-0.01	5.38	8.17	0.644	0.938	135.76	0.010	85.82	84.66	54.8	0.699
7/13/2024 16:00	30.7	7.05	225	4.59	184	-0.01	5.33	8.15	0.644	0.938	130.37	0.010	80.42	94.20	54.9	0.792
7/13/2024 17:00	30.7	7.04	226	4.56	183	-0.01	5.25	8.14	0.644	0.938	131.75	0.010	81.81	81.89	55.0	0.679
7/13/2024 18:00	42.4															

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platform fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/16/2024 21:00	31.3	7.51	233	3.66	183	-0.01	9.41	8.85	0.638	0.938	260.20	0.010	210.25	221.28	66.2	1.878
7/16/2024 22:00	30.2	7.39	230	3.66	183	0.00	9.21	8.40	0.638	0.938	232.71	0.010	182.77	214.09	66.6	1.830
7/16/2024 23:00	33.6	8.05	250	3.86	184	-0.01	8.92	10.18	0.638	0.938	315.77	0.010	265.83	216.92	67.0	1.870
7/17/2024 0:00	29.2	7.39	231	3.72	183	0.00	9.39	8.11	0.638	0.938	207.83	0.010	157.89	190.75	67.3	1.639
7/17/2024 1:00	32.8	7.45	229	3.73	183	0.00	9.42	9.18	0.638	0.938	278.31	0.010	228.36	200.41	67.7	1.728
7/17/2024 2:00	33.6	7.35	220	3.70	184	0.00	8.81	9.29	0.638	0.938	294.63	0.010	244.69	208.13	68.1	1.775
7/17/2024 3:00	31.7	7.26	224	3.63	184	0.00	9.15	8.66	0.638	0.938	254.87	0.010	204.93	210.26	68.4	1.826
7/17/2024 4:00	29.8	7.29	227	3.40	183	-0.01	8.93	8.16	0.638	0.938	240.92	0.010	190.97	218.64	68.8	1.884
7/17/2024 5:00	29.4	7.19	225	3.41	183	-0.01	9.46	7.95	0.638	0.938	227.55	54.200	52.25	182.49	69.1	1.559
7/17/2024 6:00	29.7	7.17	223	3.35	183	-0.01	8.93	8.00	0.638	0.938	238.11	54.200	62.80	125.96	69.2	1.077
7/17/2024 7:00	28.9	7.23	228	3.38	183	-0.01	7.80	7.85	0.638	0.938	221.60	54.200	46.29	69.89	69.2	0.595
7/17/2024 8:00	21.4	7.23	225	3.32	184	0.00	9.52	5.81	0.638	0.938	92.33	54.200	0.00	41.78	69.2	0.352
7/17/2024 9:00	23.6	7.47	238	3.48	184	-0.01	8.80	6.63	0.638	0.938	128.26	54.200	0.00	27.04	69.1	0.232
7/17/2024 10:00	25.5	7.45	243	3.62	184	-0.01	9.05	7.16	0.638	0.938	149.25	54.200	0.00	12.74	68.9	0.110
7/17/2024 11:00	22.2	7.21	228	3.53	183	-0.01	9.22	6.01	0.638	0.938	86.60	54.200	0.00	0.07	68.8	0.001
7/17/2024 12:00	21.9	7.14	225	3.41	183	-0.01	9.40	5.88	0.638	0.938	89.57	54.200	0.00	0.07	68.6	0.001
7/17/2024 13:00	21.8	7.51	250	3.57	183	-0.01	9.40	6.57	0.638	0.938	124.86	54.200	0.00	0.07	68.4	0.001
7/17/2024 14:00	29.7	7.54	247	3.78	183	-0.01	8.92	8.44	0.638	0.938	215.33	54.200	40.02	14.23	68.3	0.123
7/17/2024 15:00	29.7	7.54	254	3.79	183	-0.01	9.44	8.43	0.638	0.938	211.10	54.200	35.79	24.41	68.2	0.208
7/17/2024 16:00	31.7	7.54	244	3.78	184	-0.01	9.01	9.00	0.638	0.938	251.85	54.200	76.54	41.97	68.1	0.356
7/17/2024 17:00	27.8	7.56	246	3.86	184	-0.01	9.06	9.00	0.638	0.938	174.43	54.200	0.00	44.72	68.0	0.368
7/17/2024 18:00	24.0	7.63	265	3.75	183	-0.01	9.97	6.90	0.638	0.938	115.75	54.200	0.00	36.19	68.0	0.300
7/17/2024 19:00	25.7	7.60	260	3.73	184	-0.01	9.40	7.36	0.638	0.938	146.99	54.200	0.00	18.62	67.8	0.156
7/17/2024 20:00	25.8	7.40	251	3.60	183	-0.01	10.32	7.17	0.638	0.938	149.45	54.200	0.00	5.39	67.7	0.043
7/17/2024 21:00	23.5	7.63	253	3.64	183	-0.01	9.78	6.74	0.638	0.938	117.72	54.200	0.00	3.89	67.5	0.031
7/17/2024 22:00	24.9	7.51	249	3.66	184	-0.01	10.02	7.03	0.638	0.938	135.64	54.200	0.00	3.90	67.4	0.032
7/17/2024 23:00	25.2	7.88	284	3.58	183	-0.01	10.21	7.46	0.638	0.938	157.01	54.200	0.00	0.19	67.2	0.002
7/18/2024 0:00	23.5	7.60	249	3.41	183	-0.01	10.36	6.72	0.638	0.938	137.61	54.200	0.00	0.37	67.0	0.003
7/18/2024 1:00	22.4	7.61	245	3.30	183	0.00	10.10	6.42	0.638	0.938	128.56	54.200	0.00	0.68	66.9	0.003
7/18/2024 2:00	20.5	7.48	248	3.24	183	0.00	9.94	5.77	0.638	0.938	91.90	54.200	0.00	6.10	66.7	0.051
7/18/2024 3:00	23.8	7.61	248	3.06	184	-0.01	10.01	6.82	0.638	0.938	173.51	54.200	0.00	0.49	66.6	0.054
7/18/2024 4:00	21.9	7.52	248	2.99	183	0.00	10.40	6.19	0.638	0.938	139.18	54.200	0.00	6.62	66.4	0.055
7/18/2024 5:00	21.6	7.62	251	2.92	183	0.00	10.61	6.19	0.638	0.938	145.16	54.200	0.00	1.04	66.3	0.009
7/18/2024 6:00	23.0	7.55	263	2.86	183	0.00	10.67	6.51	0.638	0.938	165.38	54.200	0.00	2.72	66.1	0.023
7/18/2024 7:00	30.8	7.42	245	3.75	183	0.00	12.74	8.60	0.638	0.938	230.89	54.200	55.58	4.66	66.0	0.039
7/18/2024 8:00	24.5	7.43	238	3.65	183	-0.01	12.81	6.57	0.638	0.938	115.90	54.200	0.00	15.25	65.9	0.121
7/18/2024 9:00	18.2	7.72	263	3.59	183	-0.01	13.23	5.30	0.638	0.938	32.06	54.200	0.00	12.66	65.7	0.104
7/18/2024 10:00	17.1	7.42	239	3.66	183	0.00	12.81	4.78	0.638	0.938	-5.56	54.200	0.00	10.57	65.6	0.087
7/18/2024 11:00	19.0	7.59	251	3.72	183	0.00	12.74	5.43	0.638	0.938	30.03	54.200	0.00	0.00	65.4	0.000
7/18/2024 12:00	25.7	7.50	254	3.80	183	0.00	13.16	7.25	0.638	0.938	137.10	54.200	0.00	0.00	65.3	0.000
7/18/2024 13:00	23.5	7.34	242	3.84	183	-0.01	12.94	6.48	0.638	0.938	88.56	54.200	0.00	0.00	65.1	0.000
7/18/2024 14:00	21.8	7.40	243	3.87	183	-0.01	14.07	6.05	0.638	0.938	52.73	54.200	0.00	0.25	65.0	0.000
7/18/2024 15:00	23.2	7.58	252	3.87	184	-0.01	13.08	6.61	0.638	0.938	91.65	54.200	0.00	0.25	64.8	0.002
7/18/2024 16:00	23.5	7.38	244	3.93	183	0.00	12.51	6.51	0.638	0.938	82.00	54.200	0.00	0.25	64.7	0.002
7/18/2024 17:00	23.2	7.68	276	3.95	184	0.00	12.52	6.70	0.638	0.938	86.05	54.200	0.00	0.00	64.5	0.000
7/18/2024 18:00	21.8	7.63	254	4.05	183	-0.01	12.48	6.24	0.638	0.938	53.02	54.200	0.00	0.00	64.4	0.000
7/18/2024 19:00	24.3	7.64	258	4.08	183	0.00	12.54	6.97	0.638	0.938	95.50	54.200	0.00	0.00	64.2	0.000
7/18/2024 20:00	26.5	7.45	245	4.03	183	-0.01	12.92	7.00	0.638	0.938	108.50	54.200	0.00	3.01	64.1	0.021
7/18/2024 21:00	26.8	7.40	259	4.00	183	0.00	10.72	7.46	0.638	0.938	132.26	54.200	0.00	3.05	63.9	0.026
7/18/2024 22:00	27.1	7.35	265	3.94	183	0.00	10.62	7.48	0.638	0.938	135.81	54.200	0.00	3.05	63.8	0.027
7/18/2024 23:00	30.5	7.56	264	3.89	184	0.00	11.22	8.66	0.638	0.938	212.55	54.200	37.25	0.77	63.6	0.007
7/19/2024 0:00	24.0	7.33	259	3.88	183	0.00	11.03	6.61	0.638	0.938	89.41	54.200	0.00	1.88	63.5	0.016
7/19/2024 1:00	24.5	7.44	266	3.82	184	0.00	11.31	6.87	0.638	0.938	107.89	54.200	0.00	1.87	63.4	0.017
7/19/2024 2:00	25.1	7.67	288	3.79	183	0.00	11.35	7.25	0.638	0.938	127.49	54.200	0.00	4.34	63.2	0.018
7/19/2024 3:00	25.1	7.20	260	3.80	183	-0.01	11.15	6.86	0.638	0.938	110.81	54.200	0.00	3.20	63.1	0.020
7/19/2024 4:00	25.4	7.67	288	3.79	184	0.00	11.28	7.34	0.638	0.938	133.56	54.200	0.00	3.20	63.0	0.028
7/19/2024 5:00	27.1	7.37	253	3.86	183	0.00	10.62	7.50	0.638	0.938	147.56	54.200	0.00	0.00	62.8	0.000
7/19/2024 6:00	26.5	7.41	267	3.82	183	0.00	11.19	7.39	0.638	0.938	140.00	54.200	0.00	0.10	62.7	0.001
7/19/2024 7:00	26.2	7.51	267	3.81	184	0.00	10.91	7.40	0.638	0.938	140.50	54.200	0.00	0.10	62.5	0.001
7/19/2024 8:00	24.4	7.32	259	3.78	184	0.00	11.35	6.73	0.638	0.938	104.22	54.200	0.00	0.10	62.4	0.001
7/19/2024 9:00	26.1	7.47	272	3.77	183	0.00	10.84	6.84	0.638	0.938	110.81	54.200	0.00	0.00	62.3	0.001
7/19/2024 10:00	28.1	7.51	266	3.86	183	0.00	11.15	7.93	0.638	0.938	169.72	54.200	0.00	0.04	62.1	0.000
7/19/2024 11:00	28.9	7.39	265	4.06	184	-0.01	11.31	8.04	0.638	0.938	160.03	54.200	0.00	0.04	62.0	0.000
7/19/2024 12:00	30.4	7.36	259	4.01	183	-0.01	11.29	8.40	0.638	0.938	189.07	54.200	13.76	6.19	61.8	0.053
7/19/2024 13:00	31.2	7.54	269	4.07	183	-0.01	10.64	8.84	0.638	0.938	206.46	54.200	31.16	10.24	61.7	0.088
7/19/2024 14:00	33.4	7.04	260	4.08	184	-0.01	11.25	8.86	0.638	0.938	210.76	54.200	35.46	32.44	61.7	0.282
7/19/2024 15:00	30.1	7.01	263	4.12	184	-0.01	11.32	8.12	0.638	0.938	170.12	54.200	0.00	40.18	61.6	0.364
7/19/2024 16:00	31.2	7.13	253	4.08	183	0.00	11.36	8.37	0.638	0.938	183.49	54.200	8.19	39.18		

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/22/2024 4:00	26.2	7.05	239	4.03	184	0.00	10.67	6.96	0.638	0.938	102.36	54.200	0.00	1.28	54.6	0.010
7/22/2024 5:00	28.5	6.96	231	4.01	184	0.00	10.56	7.47	0.638	0.938	140.21	0.040	0.00	0.00	54.5	0.000
7/22/2024 6:00	25.4	7.01	235	3.98	183	0.00	11.27	6.70	0.638	0.938	91.65	0.040	0.00	0.05	54.4	0.000
7/22/2024 7:00	27.7	7.06	235	3.98	183	0.00	13.24	7.34	0.638	0.938	133.24	0.040	0.00	0.31	54.3	0.002
7/22/2024 8:00	22.7	6.93	224	3.96	183	0.00	10.83	5.92	0.638	0.938	43.63	0.040	0.00	0.31	54.2	0.002
7/22/2024 9:00	20.5	7.29	246	4.00	183	-0.01	10.67	5.61	0.638	0.938	17.58	0.040	0.00	0.26	54.1	0.002
7/22/2024 10:00	21.6	6.74	217	4.15	183	-0.01	10.75	5.47	0.638	0.938	-3.66	0.040	0.00	0.00	54.0	0.000
7/22/2024 11:00	21.9	7.11	242	4.21	183	-0.01	11.14	5.85	0.638	0.938	15.90	0.040	0.00	0.00	53.9	0.000
7/22/2024 12:00	40.4	7.08	246	4.26	183	-0.01	11.16	10.74	0.638	0.938	323.64	0.040	170.61	7.32	53.8	0.057
7/22/2024 13:00	32.7	7.09	238	4.31	183	-0.01	11.15	8.71	0.638	0.938	192.80	0.040	39.77	28.65	53.7	0.221
7/22/2024 14:00	33.8	7.06	235	4.21	183	-0.01	10.85	8.99	0.638	0.938	220.89	0.040	67.85	53.95	53.7	0.412
7/22/2024 15:00	32.4	7.05	234	4.29	183	-0.01	10.78	8.59	0.638	0.938	188.77	0.040	35.74	59.26	53.8	0.452
7/22/2024 16:00	31.6	7.07	240	4.28	183	-0.01	11.31	8.39	0.638	0.938	174.06	0.040	21.03	42.64	53.7	0.327
7/22/2024 17:00	33.3	6.90	228	4.34	183	-0.01	10.68	8.64	0.638	0.938	190.16	0.040	37.13	26.50	53.7	0.201
7/22/2024 18:00	34.2	7.01	235	4.37	184	-0.01	7.59	9.02	0.638	0.938	206.85	0.040	53.82	32.35	53.6	0.248
7/22/2024 19:00	32.8	7.02	240	4.37	183	-0.01	7.33	8.65	0.638	0.938	181.14	0.040	28.11	35.19	53.6	0.269
7/22/2024 20:00	31.7	7.00	227	4.33	184	-0.00	6.98	9.02	0.638	0.938	273.60	0.040	120.57	52.49	53.6	0.400
7/22/2024 21:00	33.6	6.82	226	4.35	183	-0.01	7.04	8.63	0.638	0.938	187.97	0.040	34.94	57.85	53.6	0.446
7/22/2024 22:00	35.1	6.94	233	4.25	183	0.00	7.08	9.16	0.638	0.938	227.51	0.040	74.48	69.27	53.6	0.528
7/22/2024 23:00	38.8	7.11	230	4.47	183	0.00	7.21	10.38	0.638	0.938	289.78	0.040	136.75	77.21	53.7	0.590
7/23/2024 0:00	37.9	7.04	235	4.45	183	-0.01	7.46	10.03	0.638	0.938	266.55	0.040	113.52	89.36	53.8	0.685
7/23/2024 1:00	37.0	7.17	242	4.43	183	-0.01	7.38	9.97	0.638	0.938	259.61	0.040	106.58	103.03	53.8	0.790
7/23/2024 2:00	32.7	7.01	238	4.29	183	-0.01	7.07	8.61	0.638	0.938	185.86	0.040	32.83	96.31	53.9	0.737
7/23/2024 3:00	33.9	7.29	249	4.17	183	-0.01	7.02	9.29	0.638	0.938	233.71	0.040	80.68	79.52	54.0	0.616
7/23/2024 4:00	32.5	6.95	225	4.13	183	0.00	7.06	8.50	0.638	0.938	198.94	0.040	45.91	67.56	54.0	0.519
7/23/2024 5:00	34.9	7.20	245	4.15	183	-0.01	7.33	9.45	0.638	0.938	247.61	0.040	94.58	64.64	54.0	0.496
7/23/2024 6:00	31.3	6.97	232	4.19	183	0.00	7.09	8.21	0.638	0.938	171.20	0.040	18.17	69.45	54.0	0.532
7/23/2024 7:00	35.1	6.97	231	4.32	183	0.00	7.26	9.19	0.638	0.938	234.64	0.040	71.61	74.04	54.1	0.565
7/23/2024 8:00	29.0	7.07	230	4.25	184	0.00	7.12	7.71	0.638	0.938	134.46	0.040	0.00	67.38	54.1	0.507
7/23/2024 9:00	30.1	6.86	226	4.28	184	-0.01	7.20	7.76	0.638	0.938	135.54	0.040	0.00	44.84	54.1	0.331
7/23/2024 10:00	27.6	6.89	226	4.29	183	-0.01	8.97	7.15	0.638	0.938	96.03	0.040	0.00	20.29	54.0	0.152
7/23/2024 11:00	32.8	6.92	227	4.27	183	-0.01	10.79	8.55	0.638	0.938	190.93	0.040	37.90	6.01	53.9	0.045
7/23/2024 12:00	33.1	6.94	225	4.40	184	-0.01	11.14	8.65	0.638	0.938	186.36	0.040	33.33	16.77	53.9	0.125
7/23/2024 13:00	35.1	7.04	232	4.42	183	-0.01	12.99	9.30	0.638	0.938	225.45	0.040	72.42	30.29	53.8	0.221
7/23/2024 14:00	35.2	7.14	229	4.53	184	-0.01	12.75	9.45	0.638	0.938	227.68	0.040	74.65	49.14	53.8	0.318
7/23/2024 15:00	34.4	6.96	225	4.49	183	-0.01	11.12	8.98	0.638	0.938	204.60	0.040	50.66	59.94	53.8	0.466
7/23/2024 16:00	34.3	7.00	233	4.49	183	-0.01	11.13	9.03	0.638	0.938	200.83	0.040	47.80	67.87	53.9	0.527
7/23/2024 17:00	34.7	6.90	225	4.46	182	-0.01	10.68	9.00	0.638	0.938	205.40	0.040	52.37	60.88	53.9	0.459
7/23/2024 18:00	36.4	6.83	221	4.41	184	-0.01	10.85	9.36	0.638	0.938	235.84	0.040	82.81	57.34	53.9	0.430
7/23/2024 19:00	35.3	6.84	226	4.43	183	-0.01	10.76	9.07	0.638	0.938	212.44	0.040	59.41	58.81	53.9	0.450
7/23/2024 20:00	44.6	6.75	213	4.45	183	0.00	11.97	11.32	0.638	0.938	373.83	0.040	220.80	90.07	54.0	0.694
7/23/2024 21:00	46.0	6.87	208	4.39	184	0.00	15.48	10.65	0.638	0.938	640.82	0.040	408.59	195.33	54.2	1.495
7/23/2024 22:00	66.6	6.87	226	4.25	183	-0.01	7.03	17.04	0.638	0.938	754.80	0.040	601.77	361.94	54.8	2.820
7/23/2024 23:00	66.0	7.25	248	4.33	183	-0.01	8.87	18.00	0.638	0.938	772.28	0.040	619.24	523.36	55.6	4.113
7/24/2024 0:00	58.8	6.76	224	4.32	184	-0.01	9.24	14.96	0.638	0.938	615.94	0.040	462.91	588.47	56.6	4.610
7/24/2024 1:00	49.0	6.55	213	4.30	183	-0.01	9.40	12.08	0.638	0.938	439.13	0.040	286.10	523.09	57.4	4.069
7/24/2024 2:00	48.2	6.83	221	4.36	183	-0.01	9.45	12.37	0.638	0.938	443.02	0.040	289.99	400.69	58.0	3.093
7/24/2024 3:00	45.2	6.86	203	4.36	183	-0.01	10.12	10.86	0.638	0.938	350.49	0.040	204.69	286.49	58.5	2.216
7/24/2024 4:00	42.3	6.41	197	4.33	183	0.00	9.13	10.20	0.638	0.938	318.51	0.040	165.48	228.15	58.8	1.743
7/24/2024 5:00	39.1	6.44	207	4.28	183	-0.01	9.45	9.46	0.638	0.938	263.38	0.030	0.00	168.01	59.0	1.279
7/24/2024 6:00	37.5	6.49	203	4.34	183	-0.01	8.93	9.17	0.638	0.938	239.09	0.030	0.00	92.24	59.0	0.712
7/24/2024 7:00	36.5	6.46	205	4.35	183	-0.01	9.50</									

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

†For Hydrobon/Platform fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
7/27/2024 11:00	33.7	6.66	237	4.38	176	0.00	7.12	8.43	0.638	0.938	170.91	0.070	0.00	0.00	53.7	0.000
7/27/2024 12:00	34.0	6.77	248	4.35	177	0.00	6.97	8.65	0.638	0.938	182.29	0.070	0.00	0.00	53.7	0.000
7/27/2024 13:00	30.2	6.71	239	4.31	177	-0.01	9.46	7.63	0.638	0.938	124.18	0.070	0.00	0.00	53.6	0.000
7/27/2024 14:00	36.5	6.69	238	4.38	176	-0.01	9.11	9.18	0.638	0.938	220.04	0.070	0.00	0.00	53.5	0.059
7/27/2024 15:00	35.5	6.80	242	4.47	177	-0.01	9.52	9.07	0.638	0.938	205.32	0.070	0.00	0.00	53.4	0.073
7/27/2024 16:00	37.4	6.70	239	4.49	176	-0.01	9.14	9.43	0.638	0.938	226.31	0.070	2.86	10.21	53.4	0.080
7/27/2024 17:00	36.6	6.76	241	4.46	176	-0.01	9.45	9.29	0.638	0.938	219.21	0.070	0.00	3.57	53.3	0.028
7/27/2024 18:00	36.3	6.66	237	4.43	177	0.00	9.40	9.09	0.638	0.938	210.00	0.070	0.00	2.46	53.2	0.019
7/27/2024 19:00	36.6	6.59	232	4.47	176	-0.01	9.31	9.08	0.638	0.938	209.11	0.070	0.00	1.71	53.1	0.013
7/27/2024 20:00	38.6	6.71	235	4.45	176	-0.01	8.85	9.75	0.638	0.938	253.53	0.070	30.09	15.18	53.1	0.118
7/27/2024 21:00	37.5	6.73	226	4.45	177	-0.01	9.02	9.48	0.638	0.938	240.81	0.070	17.36	24.35	53.0	0.186
7/27/2024 22:00	37.2	6.93	239	4.53	176	-0.01	11.65	9.71	0.638	0.938	242.48	0.070	19.03	32.73	53.0	0.253
7/27/2024 23:00	34.3	6.93	231	4.57	176	-0.01	9.76	8.95	0.638	0.938	191.70	0.070	0.00	19.19	52.9	0.145
7/28/2024 0:00	34.6	6.88	231	4.52	177	-0.01	9.53	8.96	0.638	0.938	196.39	0.070	0.00	9.74	52.9	0.075
7/28/2024 1:00	33.2	6.81	231	4.49	177	-0.01	8.81	8.50	0.638	0.938	168.80	0.070	0.00	1.16	52.8	0.009
7/28/2024 2:00	34.3	6.88	243	4.41	176	-0.01	10.04	8.88	0.638	0.938	195.70	0.070	0.00	3.40	52.7	0.026
7/28/2024 3:00	33.5	6.69	227	4.40	176	-0.01	9.08	8.42	0.638	0.938	182.88	0.070	0.00	3.12	52.6	0.024
7/28/2024 4:00	28.6	6.81	232	4.23	177	0.00	8.91	7.33	0.638	0.938	112.94	0.070	0.00	3.10	52.6	0.024
7/28/2024 5:00	31.5	6.79	237	4.33	176	0.00	9.52	8.03	0.638	0.938	149.31	0.070	0.00	0.02	52.5	0.000
7/28/2024 6:00	32.1	6.83	241	4.29	178	-0.01	9.88	8.23	0.638	0.938	164.13	0.070	0.00	0.00	52.4	0.000
7/28/2024 7:00	31.4	6.93	240	4.25	176	0.00	6.35	8.19	0.638	0.938	164.23	0.070	0.00	0.00	52.3	0.000
7/28/2024 8:00	38.3	6.80	238	4.27	177	0.00	5.44	9.81	0.638	0.938	267.75	0.070	44.31	6.29	52.3	0.049
7/28/2024 9:00	38.9	6.77	239	4.30	176	0.00	9.07	9.90	0.638	0.938	269.07	0.070	45.62	15.10	52.2	0.117
7/28/2024 10:00	38.6	6.84	236	4.33	177	0.00	7.58	9.93	0.638	0.938	273.70	0.070	50.25	32.23	52.2	0.249
7/28/2024 11:00	40.1	6.81	229	4.37	176	-0.01	12.52	10.27	0.638	0.938	301.17	0.070	77.72	40.45	52.2	0.311
7/28/2024 12:00	39.5	6.79	237	4.39	176	-0.01	4.35	10.10	0.638	0.938	276.64	0.070	53.19	53.07	52.2	0.408
7/28/2024 13:00	41.0	6.79	244	4.42	177	-0.01	5.89	10.48	0.638	0.938	295.01	0.070	71.56	64.43	52.2	0.496
7/28/2024 14:00	52.1	6.93	239	4.51	177	-0.01	7.22	13.58	0.638	0.938	492.79	0.070	269.35	131.86	52.3	1.019
7/28/2024 15:00	49.2	6.88	243	4.50	177	0.00	4.07	12.73	0.638	0.938	433.10	0.070	208.65	199.05	52.5	1.484
7/28/2024 16:00	45.9	6.91	244	4.47	176	-0.01	4.22	11.94	0.638	0.938	383.14	0.070	159.69	176.81	52.8	1.749
7/28/2024 17:00	45.7	6.78	243	4.52	177	-0.01	5.14	11.66	0.638	0.938	362.06	0.070	138.61	205.55	53.0	1.577
7/28/2024 18:00	47.2	6.78	238	4.51	177	-0.01	4.53	12.02	0.638	0.938	390.67	0.070	167.23	183.83	53.2	1.403
7/28/2024 19:00	46.4	7.01	241	4.46	177	-0.01	5.03	12.22	0.638	0.938	405.49	0.070	182.04	178.83	53.4	1.363
7/28/2024 20:00	47.2	6.82	240	4.46	177	0.00	9.49	12.10	0.638	0.938	404.01	0.070	180.56	188.24	53.6	1.460
7/28/2024 21:00	42.5	6.95	232	4.46	177	-0.01	8.88	11.12	0.638	0.938	345.15	0.070	121.71	177.51	53.8	1.359
7/28/2024 22:00	46.0	6.95	245	4.48	177	-0.01	8.87	12.00	0.638	0.938	393.87	0.070	174.19	175.39	53.9	1.344
7/28/2024 23:00	45.2	7.18	247	4.27	177	-0.01	8.88	12.21	0.638	0.938	418.98	0.070	195.53	157.41	54.1	1.207
7/29/2024 0:00	45.2	7.11	238	4.35	176	-0.01	9.10	12.08	0.638	0.938	413.39	0.070	189.94	169.21	54.3	1.293
7/29/2024 1:00	46.1	7.06	241	4.21	176	0.00	9.11	12.25	0.638	0.938	433.74	0.070	210.30	174.67	54.5	1.345
7/29/2024 2:00	58.2	7.06	238	4.31	177	-0.01	9.09	15.47	0.638	0.938	639.25	0.070	415.81	239.60	54.7	1.835
7/29/2024 3:00	57.6	7.00	242	4.26	176	0.00	9.26	15.16	0.638	0.938	618.24	0.070	394.79	307.90	55.1	2.367
7/29/2024 4:00	57.0	6.91	238	4.32	176	-0.01	9.32	13.63	0.638	0.938	510.28	0.070	230.18	270.18	55.6	2.854
7/29/2024 5:00	46.9	6.93	235	4.31	176	-0.01	10.60	12.23	0.638	0.938	432.15	0.070	0.00	298.01	55.9	2.307
7/29/2024 6:00	45.0	6.78	234	4.25	176	0.00	10.62	11.46	0.638	0.938	387.26	0.070	0.00	167.75	56.1	1.309
7/29/2024 7:00	47.9	6.91	240	4.19	177	0.00	11.14	12.44	0.638	0.938	450.53	0.070	0.00	44.82	56.1	0.348
7/29/2024 8:00	29.6	6.95	240	4.19	177	0.00	12.84	7.74	0.638	0.938	143.09	0.070	0.00	0.00	56.0	0.000
7/29/2024 9:00	32.8	6.88	233	4.32	176	-0.01	12.43	8.49	0.638	0.938	183.79	0.070	0.00	0.00	55.9	0.000
7/29/2024 10:00	38.1	6.87	236	4.35	176	0.00	13.16	8.50	0.638	0.938	170.50	0.070	0.00	0.00	55.8	0.000
7/29/2024 11:00	30.5	6.97	241	4.45	176	0.00	12.94	8.00	0.638	0.938	133.30	0.070	0.00	0.00	55.7	0.000
7/29/2024 12:00	28.5	6.79	234	4.37	177	-0.01	12.79	7.28	0.638	0.938	97.77	0.070	0.00	0.00	55.7	0.000
7/29/2024 13:00	29.1	7.02	240	4.44	176	-0.01	12.48	7.69	0.638	0.938	116.81	0.070	0.00	0.00	55.6	0.000
7/29/2024 14:00	32.3	7.08	251	4.45	176	-0.01	13.06									

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
8/1/2024 18:00	23.8	6.69	209	4.12	179	-0.01	1.02	5.98	0.638	0.938	33.99	0.040	9.48	5.05	51.7	0.038
8/1/2024 19:00	21.6	6.70	212	4.13	178	-0.01	0.13	5.45	0.638	0.938	-10.77	0.040	0.00	7.05	51.6	0.054
8/1/2024 20:00	22.9	6.50	204	4.24	179	-0.01	0.10	5.59	0.638	0.938	-3.82	0.040	0.00	13.04	51.6	0.100
8/1/2024 21:00	22.5	6.52	202	4.25	178	-0.01	1.34	5.53	0.638	0.938	-8.98	0.040	0.00	9.95	51.5	0.076
8/1/2024 22:00	21.1	6.77	203	4.15	179	-0.01	0.20	5.36	0.638	0.938	-11.91	0.040	0.00	7.96	51.4	0.061
8/1/2024 23:00	18.0	6.67	204	4.11	178	-0.01	0.71	4.52	0.638	0.938	-66.26	0.040	0.00	0.43	51.4	0.003
8/2/2024 0:00	19.5	7.07	223	4.02	179	-0.01	1.96	5.20	0.638	0.938	-10.47	0.040	0.00	0.27	51.3	0.002
8/2/2024 1:00	18.9	6.78	209	4.05	179	-0.01	1.10	4.82	0.638	0.938	-39.72	0.040	0.00	0.21	51.2	0.002
8/2/2024 2:00	22.9	6.71	206	4.08	178	0.00	1.18	5.77	0.638	0.938	23.38	0.040	0.00	5.01	51.2	0.038
8/2/2024 3:00	21.4	6.87	207	4.14	179	-0.01	1.95	5.52	0.638	0.938	0.04	0.040	0.00	5.82	51.1	0.044
8/2/2024 4:00	20.4	6.72	203	4.17	179	-0.01	4.57	5.17	0.638	0.938	-27.75	0.040	0.00	5.90	51.1	0.045
8/2/2024 5:00	22.0	6.59	206	4.10	179	-0.01	4.88	5.44	0.638	0.938	-9.96	0.090	17.00	3.17	51.0	0.024
8/2/2024 6:00	22.9	6.71	207	4.25	179	-0.01	4.05	5.77	0.638	0.938	7.80	0.090	25.77	9.15	51.0	0.070
8/2/2024 7:00	22.6	6.60	202	4.17	179	-0.01	3.77	5.61	0.638	0.938	3.80	0.090	21.76	13.53	50.9	0.105
8/2/2024 8:00	18.3	6.64	205	4.16	178	-0.01	8.54	4.56	0.638	0.938	-69.61	0.090	0.00	14.55	50.9	0.111
8/2/2024 9:00	15.6	6.44	200	4.22	178	-0.01	7.89	3.78	0.638	0.938	-133.98	0.090	0.00	7.76	50.8	0.059
8/2/2024 10:00	16.2	6.40	203	4.19	178	-0.01	7.72	3.63	0.638	0.938	-117.64	0.090	0.00	3.31	50.7	0.025
8/2/2024 11:00	16.7	6.56	205	4.20	178	-0.01	3.44	4.13	0.638	0.938	-102.69	0.090	0.00	0.00	50.7	0.000
8/2/2024 12:00	17.4	6.89	218	4.11	178	-0.01	2.38	4.50	0.638	0.938	-60.01	0.090	0.00	0.00	50.6	0.000
8/2/2024 13:00	13.5	10.56	302	4.15	178	-0.01	3.61	5.35	0.638	0.938	-9.97	0.090	8.00	0.20	50.5	0.002
8/2/2024 14:00	16.5	6.59	206	4.15	179	-0.01	3.12	4.09	0.638	0.938	-100.17	0.090	0.00	0.26	50.5	0.002
8/2/2024 15:00	16.5	6.52	207	4.18	179	-0.01	2.72	4.05	0.638	0.938	-105.54	0.090	0.00	0.26	50.4	0.002
8/2/2024 16:00	15.6	6.62	211	4.18	179	-0.01	2.18	3.88	0.638	0.938	-115.62	0.090	0.00	0.06	50.4	0.000
8/2/2024 17:00	15.3	6.63	206	4.12	179	-0.01	0.20	3.82	0.638	0.938	-115.10	0.090	0.00	0.00	50.3	0.000
8/2/2024 18:00	15.6	6.59	210	4.07	178	-0.01	0.11	3.87	0.638	0.938	-106.21	0.090	0.00	0.00	50.2	0.000
8/2/2024 19:00	15.6	6.79	223	3.96	179	-0.01	0.09	3.98	0.638	0.938	-85.72	0.090	0.00	0.00	50.2	0.000
8/2/2024 20:00	17.8	6.60	215	3.92	179	-0.01	0.07	4.41	0.638	0.938	-54.94	0.090	0.00	0.60	50.1	0.005
8/2/2024 21:00	16.5	7.14	239	4.02	178	-0.01	0.06	4.43	0.638	0.938	-58.72	0.090	0.00	0.60	50.0	0.005
8/2/2024 22:00	18.3	6.74	217	4.02	179	-0.01	0.03	4.64	0.638	0.938	-48.50	0.090	0.00	0.64	50.0	0.005
8/2/2024 23:00	18.6	6.41	199	4.00	179	-0.01	0.03	4.49	0.638	0.938	-58.88	0.090	0.00	0.05	49.9	0.000
8/3/2024 0:00	15.0	6.74	201	3.86	179	-0.01	0.02	3.80	0.638	0.938	-93.57	0.090	0.00	0.06	49.9	0.000
8/3/2024 1:00	14.4	6.59	206	3.92	174	0.00	0.02	3.57	0.638	0.938	-116.00	0.090	0.00	0.02	49.8	0.000
8/3/2024 2:00	15.6	6.56	206	3.93	174	-0.01	0.02	3.85	0.638	0.938	-97.30	0.090	0.00	0.03	49.7	0.000
8/3/2024 3:00	11.8	6.38	204	3.80	174	-0.01	0.02	2.84	0.638	0.938	-156.58	0.090	0.00	0.02	49.7	0.000
8/3/2024 4:00	12.9	6.54	207	3.79	174	-0.01	0.02	3.18	0.638	0.938	-130.43	0.090	0.00	0.02	49.6	0.000
8/3/2024 5:00	13.5	6.39	209	3.74	174	-0.01	0.01	3.25	0.638	0.938	-129.03	0.090	0.00	0.00	49.5	0.000
8/3/2024 6:00	14.1	6.61	208	3.75	174	-0.01	0.01	3.51	0.638	0.938	-103.99	0.090	0.00	0.00	49.5	0.000
8/3/2024 7:00	5.1	6.52	209	3.82	174	0.00	0.01	1.25	0.638	0.938	-266.88	0.090	0.00	0.00	49.4	0.000
8/3/2024 8:00	17.7	6.27	201	3.95	174	-0.01	0.01	4.18	0.638	0.938	-76.47	0.090	0.00	0.08	49.4	0.001
8/3/2024 9:00	18.3	6.19	189	4.00	174	-0.01	7.15	4.27	0.638	0.938	-79.79	0.090	0.00	0.23	49.3	0.002
8/3/2024 10:00	24.3	6.42	196	4.00	174	-0.01	7.68	5.87	0.638	0.938	39.84	0.090	57.80	1.31	49.2	0.010
8/3/2024 11:00	24.0	6.30	206	3.91	175	-0.01	5.31	5.84	0.638	0.938	32.72	0.090	70.18	1.47	49.2	0.011
8/3/2024 12:00	21.3	6.23	193	3.82	174	-0.01	4.23	4.99	0.638	0.938	-7.61	0.090	10.36	2.34	49.2	0.180
8/3/2024 13:00	22.9	6.28	192	3.82	174	-0.01	9.17	5.39	0.638	0.938	22.43	0.090	40.40	33.10	49.1	0.252
8/3/2024 14:00	21.3	6.30	197	3.84	175	-0.01	9.03	5.06	0.638	0.938	-3.80	0.090	14.17	36.95	49.1	0.285
8/3/2024 15:00	21.4	6.30	202	3.85	174	-0.01	9.01	5.06	0.638	0.938	-5.04	0.090	12.93	39.50	49.1	0.299
8/3/2024 16:00	20.4	6.31	193	3.94	175	-0.01	9.19	4.84	0.638	0.938	-30.10	0.090	0.00	39.14	49.1	0.293
8/3/2024 17:00	20.7	6.28	219	3.87	174	-0.01	5.96	5.29	0.638	0.938	-28.57	0.090	24.16	28.57	49.1	0.214
8/3/2024 18:00	23.2	6.41	200	3.86	175	-0.01	8.96	5.58	0.638	0.938	32.11	0.090	50.08	20.70	49.0	0.156
8/3/2024 19:00	21.9	6.60	211	3.89	175	-0.01	9.35	5.45	0.638	0.938	18.84	0.090	36.80	23.42	49.0	0.175
8/3/2024 20:00	19.8	6.21	196	3.88	173	-0.01	9.11	4.62	0.638	0.938	-40.74	0.090	0.00	26.16	49.0	0.197
8/3/2024 21:00	19.8	6.28	201	3.83	174	-0.01	8.90	4.68	0.638	0.938	-31.15	0.090	0.00	23.40	48.9	0.176
8/3/2024 22:00	18.3	6.20	194	3.81	173	-0.01	8.82	4.27	0.638	0.938	-59.36	0.090				

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
8/7/2024 1:00	31.9	6.57	230	3.10	175	0.00	5.89	7.89	0.618	0.935	260.63	0.130	188.45	175.55	48.5	1.405
8/7/2024 2:00	28.7	6.14	206	3.15	174	0.00	5.57	6.62	0.618	0.935	183.02	0.130	110.84	153.60	48.6	1.212
8/7/2024 3:00	27.1	6.54	226	3.18	174	0.00	5.68	6.68	0.618	0.935	175.23	0.130	103.06	133.08	48.7	1.057
8/7/2024 4:00	28.6	6.27	208	3.14	174	0.00	5.26	6.74	0.618	0.935	191.36	0.130	119.18	116.56	48.8	0.911
8/7/2024 5:00	28.1	6.54	210	3.19	174	0.00	5.81	6.91	0.618	0.935	197.95	0.050	0.00	104.42	48.8	0.815
8/7/2024 6:00	33.2	6.71	234	3.19	174	-0.01	5.56	8.37	0.618	0.935	282.79	0.050	28.45	66.81	48.8	0.530
8/7/2024 7:00	30.8	6.31	206	3.19	174	0.00	5.57	7.31	0.618	0.935	227.99	0.050	0.00	35.97	48.8	0.281
8/7/2024 8:00	36.5	6.64	227	3.13	175	0.00	5.85	9.12	0.618	0.935	343.09	0.050	88.74	22.64	48.8	0.176
8/7/2024 9:00	40.2	6.67	231	3.01	174	0.00	5.24	10.10	0.618	0.935	415.38	0.050	161.04	54.79	48.8	0.424
8/7/2024 10:00	38.0	6.83	223	2.98	202	0.00	5.36	9.76	0.618	0.935	377.28	0.050	122.94	93.42	48.8	0.733
8/7/2024 11:00	42.0	6.90	241	3.26	174	0.00	5.77	10.90	0.618	0.935	435.89	0.050	181.55	124.85	48.9	0.983
8/7/2024 12:00	42.0	6.53	217	3.38	174	-0.01	5.51	10.33	0.618	0.935	413.27	0.050	158.93	142.11	49.0	1.119
8/7/2024 13:00	41.7	6.57	215	3.54	173	-0.01	5.54	10.31	0.618	0.935	401.04	0.050	146.69	148.69	49.1	1.169
8/7/2024 14:00	39.9	6.57	214	3.56	175	-0.01	5.25	9.86	0.618	0.935	366.97	0.050	112.62	153.64	49.3	1.200
8/7/2024 15:00	39.9	6.54	220	3.51	174	-0.01	6.41	9.80	0.618	0.935	363.33	0.050	108.98	148.49	49.4	1.152
8/7/2024 16:00	45.5	6.56	218	3.71	174	-0.01	5.27	11.22	0.618	0.935	445.36	0.050	191.02	154.73	49.5	1.213
8/7/2024 17:00	51.7	6.46	217	4.37	174	0.00	5.12	12.55	0.618	0.935	485.75	0.050	231.41	167.64	49.6	1.306
8/7/2024 18:00	49.8	6.60	214	4.37	174	-0.01	5.54	12.37	0.618	0.935	470.54	0.050	216.20	159.14	49.8	1.548
8/7/2024 19:00	51.0	6.93	231	4.25	175	-0.01	5.28	13.30	0.618	0.935	521.41	0.050	267.07	226.27	50.0	1.768
8/7/2024 20:00	51.4	6.61	213	4.18	174	-0.01	5.21	12.79	0.618	0.935	517.60	0.050	263.26	253.60	50.2	1.964
8/7/2024 21:00	53.2	6.84	224	4.27	174	-0.01	5.91	13.67	0.618	0.935	555.21	0.050	300.87	267.95	50.4	2.094
8/7/2024 22:00	52.0	6.83	227	4.35	175	-0.01	5.04	13.37	0.618	0.935	522.41	0.050	268.06	274.20	50.7	2.138
8/7/2024 23:00	53.9	6.50	213	4.31	174	0.00	5.38	13.18	0.618	0.935	533.02	0.050	278.68	271.18	50.9	2.138
8/8/2024 0:00	54.2	6.56	218	4.30	174	-0.01	5.15	13.37	0.618	0.935	539.79	0.050	285.45	272.77	51.2	2.147
8/8/2024 1:00	53.9	6.50	208	4.35	174	-0.01	5.54	13.18	0.618	0.935	536.05	0.050	281.71	274.30	51.4	2.161
8/8/2024 2:00	54.7	6.53	216	4.31	174	-0.01	5.29	13.42	0.618	0.935	544.08	0.050	289.74	287.41	51.7	2.233
8/8/2024 3:00	52.1	6.57	217	4.27	174	-0.01	5.23	12.86	0.618	0.935	509.04	0.050	254.70	286.84	51.9	2.250
8/8/2024 4:00	50.3	6.50	214	4.22	174	-0.01	5.88	12.29	0.618	0.935	478.38	0.050	224.04	280.63	52.2	2.204
8/8/2024 5:00	46.3	6.51	216	4.24	174	0.00	5.75	11.33	0.618	0.935	407.98	0.050	153.64	240.57	52.4	1.886
8/8/2024 6:00	40.3	6.62	222	4.24	174	-0.01	5.60	10.04	0.618	0.935	313.45	0.050	99.10	185.29	52.5	1.441
8/8/2024 7:00	49.4	6.56	217	4.31	174	-0.01	5.86	12.18	0.618	0.935	460.32	0.050	205.98	117.33	52.6	0.922
8/8/2024 8:00	26.9	6.72	231	4.37	174	-0.01	5.21	6.80	0.618	0.935	78.84	0.050	0.00	91.52	52.6	0.718
8/8/2024 9:00	23.4	6.44	206	4.39	175	-0.01	5.47	5.68	0.618	0.935	2.87	0.050	0.00	55.70	52.6	0.434
8/8/2024 10:00	24.7	6.92	227	4.32	174	-0.01	5.43	6.43	0.618	0.935	59.25	0.050	0.00	37.28	52.6	0.290
8/8/2024 11:00	22.9	6.48	210	4.36	174	0.00	5.60	5.57	0.618	0.935	-2.58	0.050	0.00	0.00	52.6	0.000
8/8/2024 12:00	23.5	6.69	218	4.42	174	-0.01	5.66	5.91	0.618	0.935	6.05	0.050	0.00	0.00	52.5	0.000
8/8/2024 13:00	24.7	6.79	235	4.43	174	0.00	5.47	6.32	0.618	0.935	41.44	0.050	0.00	0.00	52.5	0.000
8/8/2024 14:00	25.4	6.76	232	4.34	174	-0.01	5.30	6.45	0.618	0.935	57.65	0.050	0.00	0.00	52.4	0.000
8/8/2024 15:00	22.5	6.95	229	4.40	174	-0.01	5.40	5.89	0.618	0.935	15.85	0.050	0.00	0.00	52.3	0.000
8/8/2024 16:00	21.6	6.76	230	4.36	175	0.00	5.92	5.51	0.618	0.935	-6.68	0.050	0.00	0.00	52.3	0.000
8/8/2024 17:00	19.5	6.73	223	4.44	174	0.00	5.67	4.93	0.618	0.935	-53.23	0.050	0.00	0.00	52.2	0.000
8/8/2024 18:00	18.8	6.71	217	4.41	174	-0.01	5.47	4.91	0.618	0.935	-67.78	0.050	0.00	0.00	52.2	0.000
8/8/2024 19:00	25.8	6.75	226	4.41	174	-0.01	5.15	6.55	0.618	0.935	59.18	0.050	0.00	0.00	52.1	0.000
8/8/2024 20:00	23.9	7.07	249	4.30	174	-0.01	5.86	6.34	0.618	0.935	52.32	0.050	0.00	0.00	52.1	0.000
8/8/2024 21:00	24.9	6.56	219	4.32	174	-0.01	5.95	6.13	0.618	0.935	39.95	0.050	0.00	0.00	52.0	0.000
8/8/2024 22:00	23.9	6.67	222	4.28	175	-0.01	5.88	6.00	0.618	0.935	34.13	0.050	0.00	0.00	52.0	0.000
8/8/2024 23:00	23.9	6.71	226	4.29	175	-0.01	5.42	6.03	0.618	0.935	34.87	0.050	0.00	0.00	51.9	0.000
8/9/2024 0:00	23.9	6.65	215	4.38	174	0.00	5.66	5.96	0.618	0.935	39.18	0.050	0.00	0.00	51.8	0.000
8/9/2024 1:00	23.8	6.81	219	4.37	175	-0.01	5.66	6.09	0.618	0.935	32.57	0.050	0.00	0.00	51.8	0.000
8/9/2024 2:00	25.7	6.64	215	4.45	174	-0.01	5.48	6.41	0.618	0.935	47.32	0.050	0.00	0.00	51.7	0.000
8/9/2024 3:00	24.9	7.01	240	4.42	174	-0.01	5.56	6.56	0.618	0.935	57.30	0.050	0.00	0.00	51.7	0.000
8/9/2024 4:00	24.9	6.67	218	4.44	174	-0.01	5.89	6.24	0.618	0.935	36.46	0.050	0.00	0.00	51.6	0.000
8/9/2024 5:00	26.1	6.75	224	4.45	174	0.00	5.23	6.62	0.618	0.935	60.51	0.040	19.95	0.31	51.6	0.002
8/9/2024 6:00	24.3	6.66	219	4.27	174	0.00	5.77	6.07	0.618	0.935	40.50	0.040	0.96	0.91	51.5	0.008
8/9/2024 7:00	23.9	6.91	230	4.25	174	0.00	5.25	6.95	0.618	0.935	32.71	0.040	0.00	1.73	51.5	0.015
8/9/2024 8:00	25.3	6.62	220	4.41	174	0.00	5.49	6.30	0.618	0.935	43.18	0.040	2.62	3.65	51.4	0.029
8/9/2024 9:00	25.3	6.87	228	4.42	174	0.00	5.23	6.53	0.618	0.935	56.94	0.040	16.38	4.08	51.4	0.032
8/9/2024 10:00	25.0	6.57	215	4.42	174	-0.01	5.28	6.19	0.618	0.935	34.98	0.040	0.00	5.85	51.3	0.046
8/9/2024 11:00	24.9	6.71	222	4.28	175	-0.01	5.91	6.28	0.618	0.935	52.99	0.040	12.43	6.57	51.3	0.051
8/9/2024 12:00	23.9	6.95	239	4.22	174	-0.01	5.89	6.25	0.618	0.935	54.40	0.040	13.84	8.77	51.2	0.069
8/9/2024 13:00	24.1	6.60	222	4.17	174	0.00	5.65	6.05	0.618	0.935	45.28	0.040	9.54	9.54	51.2	0.084
8/9/2024 14:00	24.9	6.79	227	4.19	174	-0.01	5.35	6.35	0.618	0.935	65.18	0.040	24.62	10.52	51.1	0.080
8/9/2024 15:00	24.1	6.91	243	4.31	173	-0.01	6.41	6.25	0.618	0.935	46.78	0.040	6.22	12.23	51.1	0.092
8/9/2024 16:00	26.6	6.55	214	4.34	174	-0.01	5.65	6.56	0.618	0.935	68.08	0.040	27.51	16.07	51.1	0.121
8/9/2024 17:00	25.3	6.55	220	4.25	175	-0.01	5.72	6.23	0.618	0.935	52.14	0.040	11.58	19.39	51.0	0.146
8/9/2024 18:00	25.8	6.58	224	4.16	174	-0.01	5.81	6.39	0.618	0.935	70.61	0.040	30.05	21.26	51.0	0.162
8/9/2024 19:00	27.1	6.47	240	4.13	175	0.00	5.89	6.13	0.618	0.935	55.13	0.040	13.20	21.47	51.0	0.161
8/9/2024 20:00	24.9	6.46	225	4.10	174	-0.01	5.34	6.05	0.618	0.935	52.31	0.040	11.75	20.02	50.9	0.158
8/9/2024 21:00	23.7	6.48	219	4.10	174	-0.01	5.36	5								

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Gas	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
8/12/2024 8:00	22.4	6.46	225	3.91	174	-0.01	7.47	5.44	0.618	0.935	28.48	0.010	0.00	3.13	48.2	0.026
8/12/2024 9:00	22.9	6.58	230	3.94	175	-0.01	7.29	5.67	0.618	0.935	40.69	0.010	0.00	3.26	48.2	0.026
8/12/2024 10:00	21.7	6.52	221	4.02	174	0.00	7.56	5.32	0.618	0.935	11.11	0.010	0.00	3.17	48.1	0.026
8/12/2024 11:00	20.4	6.42	214	4.00	174	0.00	7.37	4.92	0.618	0.935	-15.77	0.010	0.00	0.60	48.1	0.005
8/12/2024 12:00	20.6	6.42	215	3.99	175	0.00	7.03	4.97	0.618	0.935	-10.81	0.010	0.00	0.28	48.0	0.003
8/12/2024 13:00	24.3	6.61	227	4.10	176	-0.01	8.95	6.04	0.618	0.935	52.37	0.010	10.81	0.29	48.0	0.002
8/12/2024 14:00	23.9	6.66	233	4.18	177	-0.01	9.36	5.97	0.618	0.935	40.14	0.010	0.00	0.91	47.9	0.007
8/12/2024 15:00	22.4	6.56	222	4.16	177	0.00	9.43	5.51	0.618	0.935	11.62	0.010	0.00	3.41	47.9	0.027
8/12/2024 16:00	24.6	6.73	229	4.14	176	0.00	8.82	6.23	0.618	0.935	61.01	0.010	19.45	3.73	47.9	0.030
8/12/2024 17:00	25.0	6.41	220	4.11	177	-0.01	9.22	6.02	0.618	0.935	50.34	0.010	8.77	8.66	47.8	0.071
8/12/2024 18:00	25.5	6.93	240	4.17	176	-0.01	9.47	6.35	0.618	0.935	67.61	0.010	23.05	7.74	47.8	0.063
8/12/2024 19:00	24.0	6.73	231	4.28	176	-0.01	10.77	6.08	0.618	0.935	39.26	0.010	0.00	9.06	47.7	0.074
8/12/2024 20:00	23.2	6.67	228	4.22	176	-0.01	11.08	5.81	0.618	0.935	26.53	0.010	0.00	4.68	47.7	0.038
8/12/2024 21:00	21.2	6.49	220	4.28	176	0.00	10.62	5.18	0.618	0.935	-22.29	0.010	0.00	3.51	47.7	0.028
8/12/2024 22:00	24.3	6.77	226	4.16	177	-0.01	10.78	6.19	0.618	0.935	57.64	0.010	16.07	3.08	47.6	0.025
8/12/2024 23:00	21.8	6.61	221	4.05	176	-0.01	10.99	5.41	0.618	0.935	13.74	0.010	0.00	6.57	47.6	0.053
8/13/2024 0:00	22.6	6.70	220	4.06	177	0.00	11.14	5.89	0.618	0.935	5.25	0.010	10.69	8.66	47.5	0.046
8/13/2024 1:00	22.6	6.62	222	4.07	177	0.00	11.15	5.63	0.618	0.935	27.20	0.010	0.00	9.07	47.5	0.074
8/13/2024 2:00	23.9	6.59	217	4.21	177	-0.01	11.11	5.91	0.618	0.935	35.11	0.010	0.00	5.74	47.5	0.047
8/13/2024 3:00	24.0	6.58	223	4.19	177	0.00	11.26	5.94	0.618	0.935	38.44	0.010	0.00	4.92	47.4	0.040
8/13/2024 4:00	24.3	6.65	223	4.17	176	0.00	10.89	6.08	0.618	0.935	49.04	0.010	7.48	5.01	47.4	0.041
8/13/2024 5:00	24.3	6.40	223	4.03	177	0.00	11.33	5.86	0.618	0.935	46.21	0.010	4.64	6.92	47.3	0.057
8/13/2024 6:00	22.9	6.47	219	4.04	176	0.00	11.21	5.32	0.618	0.935	8.96	0.010	0.00	5.46	47.3	0.045
8/13/2024 7:00	22.7	6.40	214	4.05	176	0.00	11.24	5.48	0.618	0.935	19.13	0.010	0.00	8.03	47.3	0.065
8/13/2024 8:00	24.4	6.29	209	4.06	177	-0.01	10.84	5.77	0.618	0.935	39.30	0.010	0.00	5.59	47.2	0.046
8/13/2024 9:00	25.5	6.47	225	4.06	177	0.00	10.83	6.21	0.618	0.935	67.48	0.010	25.92	9.88	47.2	0.079
8/13/2024 10:00	24.6	6.39	220	4.08	177	0.00	10.96	5.92	0.618	0.935	46.37	0.010	4.80	7.51	47.1	0.060
8/13/2024 11:00	23.5	6.32	212	4.18	177	0.00	11.31	5.59	0.618	0.935	14.99	0.010	0.00	9.49	47.1	0.076
8/13/2024 12:00	25.8	6.37	216	4.18	176	-0.01	10.83	6.19	0.618	0.935	57.72	0.010	16.16	6.59	47.1	0.053
8/13/2024 13:00	24.5	6.40	217	4.13	176	-0.01	10.79	5.67	0.618	0.935	24.68	0.010	0.00	6.12	47.0	0.050
8/13/2024 14:00	23.3	6.61	234	4.06	176	-0.01	11.08	5.78	0.618	0.935	37.66	0.010	0.00	3.86	47.0	0.031
8/13/2024 15:00	22.1	6.41	219	4.07	177	-0.01	10.78	5.32	0.618	0.935	6.41	0.010	0.00	2.73	46.9	0.022
8/13/2024 16:00	23.2	6.36	220	4.06	176	-0.01	10.89	5.56	0.618	0.935	23.43	0.010	0.00	0.99	46.9	0.008
8/13/2024 17:00	25.2	6.45	222	4.21	176	-0.01	10.64	6.11	0.618	0.935	48.21	0.010	6.64	0.68	46.9	0.006
8/13/2024 18:00	24.9	6.49	223	4.17	177	-0.01	11.33	6.09	0.618	0.935	49.85	0.010	8.29	0.38	46.8	0.003
8/13/2024 19:00	24.7	6.41	225	4.09	176	0.00	11.00	5.95	0.618	0.935	47.07	0.010	5.81	5.46	46.8	0.005
8/13/2024 20:00	22.9	6.32	220	4.12	177	-0.01	11.25	5.45	0.618	0.935	11.14	0.010	0.00	1.06	46.7	0.009
8/13/2024 21:00	23.8	6.34	227	4.05	176	-0.01	11.31	5.67	0.618	0.935	31.43	0.010	0.00	1.91	46.7	0.016
8/13/2024 22:00	22.6	6.47	220	4.01	178	0.00	11.38	5.51	0.618	0.935	24.54	0.010	0.00	2.68	46.6	0.022
8/13/2024 23:00	24.9	6.28	218	4.03	179	-0.01	11.35	5.89	0.618	0.935	48.90	0.010	7.34	2.95	46.6	0.025
8/14/2024 0:00	25.0	6.20	209	4.06	179	-0.01	10.75	5.84	0.618	0.935	43.84	0.010	2.27	11.09	46.6	0.092
8/14/2024 1:00	25.3	6.10	205	4.08	179	0.00	10.74	5.80	0.618	0.935	40.14	0.010	0.00	17.74	46.5	0.121
8/14/2024 2:00	25.3	6.30	210	4.08	178	0.00	11.27	5.99	0.618	0.935	52.71	0.010	11.15	17.65	46.5	0.145
8/14/2024 3:00	26.0	6.30	209	4.14	179	0.00	11.35	6.16	0.618	0.935	59.22	0.010	17.66	15.31	46.5	0.125
8/14/2024 4:00	27.0	6.46	223	4.16	179	0.00	10.60	6.55	0.618	0.935	81.99	0.010	40.43	15.39	46.5	0.127
8/14/2024 5:00	25.2	6.30	215	4.15	179	0.00	10.86	5.97	0.618	0.935	44.20	0.010	2.63	14.14	46.4	0.115
8/14/2024 6:00	24.7	6.23	209	4.13	178	0.00	9.03	5.79	0.618	0.935	34.01	0.010	0.00	10.01	46.4	0.082
8/14/2024 7:00	25.3	6.27	210	4.13	178	0.00	9.13	5.85	0.618	0.935	47.93	0.010	5.49	9.17	46.4	0.064
8/14/2024 8:00	25.2	6.27	204	4.15	179	0.00	8.90	5.95	0.618	0.935	43.67	0.010	2.10	10.12	46.3	0.082
8/14/2024 9:00	25.6	6.40	206	4.17	179	0.00	9.21	6.15	0.618	0.935	56.25	0.010	14.69	9.98	46.3	0.079
8/14/2024 10:00	25.5	6.17	195	4.28												

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
8/17/2024 15:00	21.7	6.59	212	4.28	175	0.00	12.63	5.38	0.618	0.935	-9.04	0.030	0.00	0.32	46.2	0.002
8/17/2024 16:00	33.4	6.49	204	4.36	175	0.00	12.82	8.16	0.618	0.935	186.57	0.030	48.30	0.03	46.1	0.000
8/17/2024 17:00	24.7	6.40	207	4.41	174	-0.01	13.13	5.94	0.618	0.935	20.35	0.030	0.00	2.79	46.1	0.022
8/17/2024 18:00	32.3	6.39	198	4.43	175	-0.01	12.49	7.75	0.618	0.935	151.67	0.030	13.39	3.21	46.0	0.025
8/17/2024 19:00	25.8	6.61	206	4.42	175	-0.01	12.86	6.41	0.618	0.935	52.28	0.030	0.00	4.53	46.0	0.034
8/17/2024 20:00	28.8	6.51	203	4.27	174	-0.01	12.88	7.05	0.618	0.935	114.36	0.030	0.00	3.07	46.0	0.024
8/17/2024 21:00	24.1	6.73	220	4.18	175	-0.01	12.41	6.10	0.618	0.935	50.13	0.030	0.00	2.64	45.9	0.021
8/17/2024 22:00	24.9	6.71	204	4.24	174	-0.01	12.59	6.29	0.618	0.935	61.30	0.030	0.00	1.36	45.9	0.011
8/17/2024 23:00	24.1	6.58	211	4.28	174	-0.01	12.50	5.97	0.618	0.935	33.23	0.030	0.00	0.03	45.8	0.000
8/18/2024 0:00	30.0	6.48	210	4.33	175	-0.01	2.76	7.30	0.618	0.935	121.10	0.030	0.00	0.61	45.8	0.005
8/18/2024 1:00	29.9	6.49	208	4.25	174	-0.01	1.71	7.31	0.618	0.935	128.93	0.030	0.00	3.14	45.8	0.024
8/18/2024 2:00	27.6	6.52	209	4.31	174	0.00	3.02	6.77	0.618	0.935	86.31	0.030	0.00	3.63	45.7	0.028
8/18/2024 3:00	34.1	6.60	224	4.29	174	-0.01	4.21	8.47	0.618	0.935	200.20	0.030	61.93	11.38	45.7	0.090
8/18/2024 4:00	33.7	6.46	211	4.24	174	-0.01	3.38	8.19	0.618	0.935	191.14	0.030	52.87	23.06	45.7	0.183
8/18/2024 5:00	33.2	6.45	207	4.25	174	-0.01	2.66	8.05	0.618	0.935	182.20	0.030	43.93	37.45	45.7	0.294
8/18/2024 6:00	34.7	6.51	211	4.36	174	-0.01	3.09	8.49	0.618	0.935	201.97	0.030	63.70	43.37	45.7	0.343
8/18/2024 7:00	33.7	6.66	226	4.41	174	-0.01	3.36	7.86	0.618	0.935	152.65	0.030	14.37	48.37	45.7	0.383
8/18/2024 8:00	33.5	6.70	217	4.42	174	0.00	3.11	5.93	0.618	0.935	16.74	0.030	0.00	34.00	45.7	0.268
8/18/2024 9:00	22.6	6.47	212	4.37	174	0.00	4.29	5.50	0.618	0.935	-8.30	0.030	0.00	19.75	45.6	0.155
8/18/2024 10:00	20.9	6.41	205	4.29	174	-0.01	5.18	5.04	0.618	0.935	-33.83	0.030	0.00	0.50	45.6	0.004
8/18/2024 11:00	21.2	6.43	210	4.21	174	-0.01	5.26	5.12	0.618	0.935	-20.46	0.030	0.00	0.00	45.6	0.000
8/18/2024 12:00	19.7	6.50	215	4.22	175	-0.01	6.02	4.82	0.618	0.935	-42.01	0.030	0.00	0.00	45.5	0.000
8/18/2024 13:00	22.9	6.45	209	4.25	174	-0.01	5.71	5.57	0.618	0.935	7.70	0.030	0.00	0.00	45.5	0.000
8/18/2024 14:00	28.2	6.54	213	4.27	174	-0.01	6.21	6.94	0.618	0.935	101.43	0.030	0.00	0.00	45.4	0.000
8/18/2024 15:00	27.4	6.62	222	4.30	174	-0.01	4.72	6.82	0.618	0.935	87.49	0.030	0.00	0.00	45.4	0.000
8/18/2024 16:00	29.7	6.49	214	4.28	174	0.00	2.44	7.24	0.618	0.935	119.89	0.030	0.00	0.07	45.4	0.001
8/18/2024 17:00	25.3	6.48	215	4.26	175	0.00	4.75	6.16	0.618	0.935	47.29	0.030	0.00	0.07	45.3	0.001
8/18/2024 18:00	20.9	6.42	213	3.73	174	-0.01	4.21	5.06	0.618	0.935	18.04	0.030	0.00	0.13	45.3	0.001
8/18/2024 19:00	24.7	6.72	235	3.73	174	-0.01	5.51	6.26	0.618	0.935	96.81	0.030	0.00	1.28	45.3	0.010
8/18/2024 20:00	17.7	6.50	215	3.59	174	0.00	4.58	4.33	0.618	0.935	-19.44	0.030	0.00	1.28	45.2	0.010
8/18/2024 21:00	24.4	6.60	234	3.47	174	-0.01	5.56	6.05	0.618	0.935	105.51	0.030	0.00	1.22	45.2	0.010
8/18/2024 22:00	22.0	6.76	237	3.42	174	-0.01	7.16	5.61	0.618	0.935	80.07	0.030	0.00	0.00	45.1	0.000
8/18/2024 23:00	21.7	6.65	237	3.26	174	0.00	9.20	5.44	0.618	0.935	82.68	0.030	0.00	0.00	45.1	0.000
8/19/2024 0:00	22.1	6.70	241	3.38	175	-0.01	11.07	5.57	0.618	0.934	80.42	0.030	0.00	0.00	45.1	0.000
8/19/2024 1:00	20.0	6.74	232	3.41	175	0.00	11.23	5.06	0.618	0.934	45.77	0.030	0.00	5.09	45.0	0.042
8/19/2024 2:00	18.6	6.80	245	3.47	174	0.00	11.31	4.76	0.618	0.934	19.22	0.030	0.00	5.09	45.0	0.042
8/19/2024 3:00	22.0	6.63	227	3.83	179	0.00	11.14	5.50	0.618	0.934	39.27	0.030	0.00	5.09	45.0	0.042
8/19/2024 4:00	21.7	6.50	222	3.76	179	0.00	10.87	5.31	0.618	0.934	33.10	0.030	0.00	0.00	44.9	0.000
8/19/2024 5:00	21.8	6.79	237	3.83	179	0.00	10.99	5.56	0.618	0.934	41.51	0.050	0.00	0.00	44.9	0.000
8/19/2024 6:00	22.0	6.42	219	3.73	179	0.00	9.03	5.32	0.618	0.934	35.92	0.050	0.00	0.00	44.9	0.000
8/19/2024 7:00	23.2	7.03	254	3.74	178	0.00	9.50	6.12	0.618	0.934	82.95	0.050	0.00	1.05	44.8	0.009
8/19/2024 8:00	18.9	6.96	246	3.87	179	0.00	9.56	4.87	0.618	0.934	14.04	0.050	0.00	1.05	44.8	0.009
8/19/2024 9:00	18.9	6.91	242	3.73	179	0.00	9.47	4.90	0.618	0.934	7.35	0.050	0.00	1.05	44.7	0.009
8/19/2024 10:00	18.3	6.81	235	3.71	178	0.00	9.31	4.69	0.618	0.934	-4.51	0.050	0.00	0.00	44.7	0.000
8/19/2024 11:00	16.6	6.87	239	3.71	178	-0.01	9.47	4.29	0.618	0.934	-31.78	0.050	0.00	0.00	44.7	0.000
8/19/2024 12:00	17.7	6.44	216	3.71	178	0.00	9.50	4.30	0.618	0.934	-32.31	0.050	0.00	0.00	44.6	0.000
8/19/2024 13:00	18.9	6.55	220	3.71	178	0.00	9.35	4.65	0.618	0.934	-7.83	0.050	0.00	0.03	44.6	0.000
8/19/2024 14:00	17.7	6.37	235	3.67	179	-0.01	9.28	4.87	0.618	0.934	-10.58	0.050	0.00	0.03	44.6	0.000
8/19/2024 15:00	19.2	6.50	222	3.72	179	0.00	9.10	4.72	0.618	0.934	-3.57	0.050	0.00	0.03	44.5	0.000
8/19/2024 16:00	19.5	6.51	212	3.76	179	0.00	9.37	4.77	0.618	0.934	-4.56	0.050	0.00	0.00	44.5	0.000
8/19/2024 17:00	18.0															

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
8/22/2024 22:00	11.1	9.19	442	3.95	1	0.00	6.71	3.82	0.618	0.934	-76.32	0.040	0.00	21.75	44.9	0.170
8/22/2024 23:00	14.7	9.15	447	4.05	1	0.00	6.38	5.07	0.618	0.934	-7.60	0.040	61.87	9.55	44.9	0.074
8/23/2024 0:00	13.1	9.73	468	4.16	1	0.00	6.23	4.78	0.618	0.934	-32.39	0.040	37.88	18.82	44.9	0.146
8/23/2024 1:00	11.9	10.00	482	4.22	1	-0.01	6.34	4.48	0.618	0.934	-52.41	0.040	17.06	38.96	44.9	0.308
8/23/2024 2:00	15.5	10.04	483	4.16	1	0.00	5.15	5.87	0.618	0.934	29.39	0.040	98.04	55.12	44.9	0.440
8/23/2024 3:00	15.6	10.02	479	4.16	1	0.00	6.47	5.90	0.618	0.934	31.09	0.040	100.56	70.82	44.9	0.567
8/23/2024 4:00	16.7	9.43	463	4.22	1	0.00	6.06	5.92	0.618	0.934	29.51	0.040	98.98	80.54	44.9	0.646
8/23/2024 5:00	27.5	9.19	451	4.20	1	0.00	6.30	9.49	0.618	0.934	244.55	0.060	182.49	93.74	44.9	0.745
8/23/2024 6:00	25.4	9.41	468	4.21	1	0.00	6.06	9.00	0.618	0.934	206.94	0.060	144.89	118.81	45.0	0.950
8/23/2024 7:00	26.2	9.19	460	4.27	1	0.00	6.36	9.05	0.618	0.934	209.18	0.060	147.12	143.06	45.1	1.143
8/23/2024 8:00	14.1	9.43	466	4.38	1	0.00	5.37	5.00	0.618	0.934	-35.93	0.060	0.00	131.04	45.2	1.039
8/23/2024 9:00	0.0	9.42	467	4.37	1	0.00	6.52	0.00	0.618	0.934	-324.82	0.060	0.00	78.80	45.2	0.621
8/23/2024 10:00	4.8	9.56	465	4.33	1	-0.01	6.20	1.71	0.618	0.934	-223.24	0.060	0.00	20.48	45.2	0.158
8/23/2024 11:00	4.8	9.57	473	4.26	1	-0.01	6.60	1.73	0.618	0.934	-213.46	0.060	0.00	0.00	45.1	0.000
8/23/2024 12:00	4.3	9.57	467	4.28	1	0.00	6.46	1.54	0.618	0.934	-228.39	0.060	0.00	0.00	45.1	0.000
8/23/2024 13:00	8.6	9.42	463	4.33	1	-0.01	6.70	3.05	0.618	0.934	-146.31	0.060	0.00	0.00	45.1	0.000
8/23/2024 14:00	8.1	9.49	463	4.29	1	-0.01	6.65	3.42	0.618	0.934	-137.60	0.060	0.00	0.00	45.0	0.000
8/23/2024 15:00	8.8	9.81	472	4.36	1	-0.01	6.96	2.52	0.618	0.934	-176.62	0.060	0.00	0.00	45.0	0.000
8/23/2024 16:00	7.5	9.51	457	4.37	1	0.00	6.57	2.67	0.618	0.934	-173.94	0.060	0.00	0.00	44.9	0.000
8/23/2024 17:00	6.0	9.84	475	4.29	1	-0.01	6.72	2.23	0.618	0.934	-186.39	0.060	0.00	0.00	44.9	0.000
8/23/2024 18:00	7.5	9.74	473	4.27	1	-0.01	8.28	2.73	0.618	0.934	-157.62	0.060	0.00	0.00	44.9	0.000
8/23/2024 19:00	7.8	9.51	461	4.27	1	-0.01	8.29	2.77	0.618	0.934	-159.03	0.060	0.00	0.00	44.8	0.000
8/23/2024 20:00	8.6	9.56	458	4.23	1	0.00	9.58	4.23	0.618	0.934	-138.41	0.060	0.00	0.00	44.8	0.000
8/23/2024 21:00	8.8	9.74	466	4.20	1	-0.01	8.27	3.22	0.618	0.934	-126.10	0.060	0.00	0.00	44.8	0.000
8/23/2024 22:00	8.0	9.68	459	4.24	1	-0.01	7.93	2.91	0.618	0.934	-149.92	0.060	0.00	0.00	44.7	0.000
8/23/2024 23:00	11.0	9.32	451	4.35	1	0.00	8.18	3.85	0.618	0.934	-104.48	0.060	0.00	0.00	44.7	0.000
8/24/2024 0:00	7.3	9.53	453	4.39	1	0.00	8.54	3.63	0.618	0.934	-179.98	0.060	0.00	0.00	44.7	0.000
8/24/2024 1:00	9.8	9.35	450	4.43	1	-0.01	8.34	2.43	0.618	0.934	-135.84	0.060	0.00	0.00	44.6	0.000
8/24/2024 2:00	7.5	9.46	451	4.46	1	0.00	8.00	2.67	0.618	0.934	-183.59	0.060	0.00	0.00	44.6	0.000
8/24/2024 3:00	7.9	9.65	465	4.45	1	0.00	8.11	2.88	0.618	0.934	-164.61	0.060	0.00	0.00	44.6	0.000
8/24/2024 4:00	11.6	9.31	448	4.47	1	0.00	8.30	4.05	0.618	0.934	-102.69	0.060	0.00	0.00	44.5	0.000
8/24/2024 5:00	8.6	9.39	450	4.47	1	0.00	8.60	3.05	0.618	0.934	-161.90	0.060	0.00	0.00	44.5	0.000
8/24/2024 6:00	8.7	9.27	441	4.58	1	-0.01	8.10	3.05	0.618	0.934	-174.00	0.060	0.00	0.00	44.5	0.000
8/24/2024 7:00	11.0	9.55	455	4.50	1	0.00	8.31	3.95	0.618	0.934	-108.79	0.060	0.00	0.00	4	

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
9/23/2024 16:00	21.6	8.97	389	4.92	2	0.00	10.92	7.29	0.602	0.934	79.83	0.400	0.00	1.72	35.2	0.013
9/23/2024 17:00	19.8	9.31	405	4.90	1	0.00	11.10	6.95	0.602	0.934	54.58	0.400	0.00	2.73	35.2	0.020
9/23/2024 18:00	17.9	9.04	397	4.88	1	-0.01	11.00	6.10	0.602	0.934	-0.39	0.400	0.00	2.25	35.2	0.017
9/23/2024 19:00	19.0	9.78	432	4.76	1	-0.01	11.06	7.00	0.602	0.934	66.13	0.400	0.00	9.73	35.2	0.074
9/23/2024 20:00	20.2	9.89	444	4.81	1	0.00	11.01	7.53	0.602	0.934	92.92	0.400	2.32	9.20	35.2	0.069
9/23/2024 21:00	17.1	9.91	437	4.87	1	-0.01	11.02	6.36	0.602	0.934	16.98	0.400	0.00	9.18	35.2	0.069
9/23/2024 22:00	22.2	9.53	419	4.90	1	0.00	10.97	7.97	0.602	0.934	119.28	0.400	28.68	0.75	35.2	0.006
9/23/2024 23:00	21.9	9.12	393	4.95	1	0.00	10.73	7.51	0.602	0.934	91.14	0.400	0.54	1.89	35.1	0.014
9/24/2024 0:00	19.9	9.37	413	4.90	1	0.00	11.02	7.01	0.602	0.934	58.38	0.400	0.00	3.35	35.1	0.025
9/24/2024 1:00	22.3	9.27	401	4.83	2	0.00	10.85	7.77	0.602	0.934	117.35	0.400	26.75	13.00	35.1	0.097
9/24/2024 2:00	21.9	9.43	415	4.81	1	0.00	10.94	7.77	0.602	0.934	115.16	0.400	24.56	15.68	35.1	0.117
9/24/2024 3:00	19.9	9.35	403	4.90	2	0.00	10.87	7.00	0.602	0.934	58.62	0.400	0.00	17.32	35.1	0.129
9/24/2024 4:00	18.8	9.13	394	4.99	2	0.00	10.93	6.44	0.602	0.934	13.50	0.400	0.00	8.43	35.1	0.063
9/24/2024 5:00	21.1	8.89	383	5.13	1	-0.01	11.05	7.04	0.602	0.934	44.94	0.400	0.00	4.20	35.1	0.031
9/24/2024 6:00	19.6	9.10	394	5.02	1	-0.01	11.01	6.69	0.602	0.934	28.23	0.400	0.00	1.06	35.1	0.008
9/24/2024 7:00	21.2	9.02	387	5.06	1	-0.01	10.97	7.20	0.602	0.934	61.48	0.400	0.00	11.15	35.0	0.082
9/24/2024 8:00	19.6	9.08	384	5.08	1	0.00	10.97	6.70	0.602	0.934	22.44	0.400	0.00	11.09	35.0	0.083
9/24/2024 9:00	23.4	9.15	402	4.97	1	0.00	11.02	8.07	0.602	0.934	125.56	0.400	34.96	13.37	35.0	0.099
9/24/2024 10:00	22.2	9.01	389	4.88	2	0.00	10.94	7.52	0.602	0.934	98.40	0.400	7.80	8.23	35.0	0.061
9/24/2024 11:00	23.5	9.17	386	4.95	2	-0.01	10.93	8.09	0.602	0.934	134.34	0.400	43.74	25.29	35.0	0.188
9/24/2024 12:00	24.8	9.23	384	5.00	1	0.00	10.99	8.60	0.602	0.934	167.32	0.400	76.72	41.61	35.0	0.307
9/24/2024 13:00	21.2	9.56	400	4.96	1	-0.01	11.00	7.60	0.602	0.934	94.96	0.400	4.36	67.88	35.0	0.500
9/24/2024 14:00	19.6	9.65	411	4.87	1	0.00	10.96	7.12	0.602	0.934	68.38	0.400	0.00	59.31	35.0	0.441
9/24/2024 15:00	20.4	10.33	445	4.81	2	0.03	11.03	7.93	0.602	0.934	116.34	0.400	25.74	55.76	35.0	0.412
9/24/2024 16:00	18.5	10.86	425	4.76	1	0.00	10.91	7.54	0.602	0.934	102.07	0.400	11.47	34.98	35.0	0.261
9/24/2024 17:00	21.5	10.74	418	4.81	41	-0.01	11.13	8.70	0.602	0.934	159.46	0.400	68.86	33.41	35.0	0.249
9/24/2024 18:00	19.6	10.61	406	4.83	33	0.00	11.14	7.82	0.602	0.934	110.73	0.400	20.13	22.82	35.0	0.168
9/24/2024 19:00	21.5	10.42	395	4.80	33	0.00	10.97	8.44	0.602	0.934	155.51	0.400	64.91	38.00	35.0	0.279
9/24/2024 20:00	19.3	10.63	408	4.81	33	0.00	10.97	7.72	0.602	0.934	105.43	0.400	15.83	51.78	35.0	0.376
9/24/2024 21:00	20.9	10.59	400	4.75	33	0.00	11.06	8.32	0.602	0.934	149.92	0.400	59.77	58.53	35.1	0.448
9/24/2024 22:00	20.6	10.50	400	4.83	33	0.00	10.96	8.13	0.602	0.934	131.63	0.400	41.03	64.31	35.1	0.476
9/24/2024 23:00	22.7	10.53	399	4.75	33	0.00	11.07	8.99	0.602	0.934	193.11	0.400	102.51	63.52	35.1	0.473
9/25/2024 0:00	21.9	10.49	391	4.82	33	0.00	11.04	8.63	0.602	0.934	167.36	0.400	76.76	70.33	35.1	0.515
9/25/2024 1:00	20.4	10.49	406	4.79	33	0.00	11.19	8.04	0.602	0.934	127.07	0.400	36.47	82.52	35.1	0.614
9/25/2024 2:00	23.0	10.35	392	4.83	33	0.00	11.01	8.94	0.602	0.934	186.40	0.400	95.80	90.77	35.2	0.681
9/25/2024 3:00	21.8	10.39	383	4.86	33	0.00	10.93	8.51	0.602	0.934	150.49	0.400	59.19	98.53	35.2	0.748
9/25/2024 4:00	23.2	10.36	384	4.83	33	0.00	10.65	9.04	0.602	0.934	196.75	0.400	106.15	80.74	35.2	0.596
9/25/2024 5:00	21.1	10.51	397	4.85	33	0.00	11.04	8.33	0.602	0.934	143.58	0.060	0.00	65.45	35.2	0.482
9/25/2024 6:00	17.6	10.42	398	4.79	33	0.00	11.97	6.90	0.602	0.934	57.51	0.060	0.00	37.69	35.2	0.281
9/25/2024 7:00	20.3	10.34	397	4.91	33	0.00	12.88	7.88	0.602	0.934	110.50	0.060	0.00	18.45	35.2	0.137
9/25/2024 8:00	14.3	10.76	427	4.86	33	0.00	12.61	5.80	0.602	0.934	-16.68	0.060	0.00	5.58	35.2	0.042
9/25/2024 9:00	10.8	10.68	414	4.84	33	0.00	13.25	5.82	0.602	0.934	-3.25	0.060	0.00	5.52	35.2	0.041
9/25/2024 10:00	10.8	10.74	423	4.83	33	0.00	12.66	4.15	0.602	0.934	-121.60	0.060	0.00	0.00	35.2	0.000
9/25/2024 11:00	8.7	10.91	429	4.87	33	0.00	13.75	3.56	0.602	0.934	-150.68	0.060	0.00	0.00	35.2	0.000
9/25/2024 12:00	14.1	10.91	429	4.85	36	18.34	13.88	5.80	0.602	0.934	-207.06	0.060	0.00	0.00	35.1	0.000
9/25/2024 13:00	14.3	10.90	427	4.80	36	2.92	13.82	5.87	0.602	0.934	-337.40	0.060	0.00	0.31	35.1	0.002
9/25/2024 14:00	16.2	10.45	402	4.80	36	-0.01	13.80	6.36	0.602	0.934	22.12	0.060	0.00	0.31	35.1	0.002
9/25/2024 15:00	10.8	10.96	394	4.86	36	0.00	13.64	4.84	0.602	0.934	-305.91	0.060	0.00	0.31	35.1	0.000
9/25/2024 16:00	17.6	10.24	395	4.80	36	-0.01	13.69	6.77	0.602	0.934	48.90	0.060	0.00	0.00	35.1	0.000
9/25/2024 17:00	19.9	9.36	393	4.75	29	0.00	13.74	7.02	0.602	0.934	70.29	0.060	0.00	0.00	35.0	0.000
9/25/2024 18:00	20.0	9.17	398	4.74	29	-0.01	13.93	6.90	0.602	0.934	62.43	0.060	0.00	0.00	35.0	0.000
9/25/2024 19:00	19.8	9.12	390	4.75	1	0.00	13.68	6.78	0.602	0.934	59.26	0.060	0.00	0.37	35.0	0.003
9/25/2024 20:00	22.4	9.04	393	4.72	1	-0.01	11.30	7.62	0.602	0.934	119.45	0.060	0.00	0.37	35.0	0.003
9/25/2024 21:00	21.2	9.10	387	4.72	1	0.00	11.22	7.25	0.602	0.934	94.25	0.060	0.00	0.37	35.0	0.003
9/25/2024 22:00	20.3	9.31	391	4.73	1	-0.01	11.28	6.78	0.602	0.934	59.77	0.060	0.00	0.08	35.0	0.001
9/25/2024 23:00	20.6	9.04	390	4.71	1	0.00	10.56	7.00	0.602	0.934	76.62	0.060	0.00	0.08	34.9	0.001
9/26/2024 0:00	21.9	9.20	398	4.66	1	0.00	10.59	7.57	0.602	0.934	119.35	0.060	0.00	0.08	34.9	0.001
9/26/2024 1:00	20.7	9.18	392	4.64	1	0.00	10.88	7.14	0.602	0.934	92.99	0.060	0.00	1.74	34.9	0.013
9/26/2024 2:00	19.4	8.95	383	4.60	1	0.00										

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
9/28/2024 23:00	25.5	6.42	188	4.92	179	0.00	10.28	6.17	0.602	0.934	0.57	0.010	0.00	13.43	35.0	0.100
9/29/2024 0:00	27.8	6.41	185	4.97	183	0.00	10.18	6.70	0.602	0.934	36.07	0.010	0.00	6.36	35.0	0.047
9/29/2024 1:00	26.2	6.54	202	4.92	183	-0.01	10.43	6.44	0.602	0.934	20.07	0.010	0.00	2.81	35.0	0.021
9/29/2024 2:00	24.1	6.78	213	4.91	184	-0.01	10.22	6.14	0.602	0.934	0.12	0.010	0.00	1.54	35.0	0.011
9/29/2024 3:00	23.5	6.64	204	4.93	183	0.00	10.28	5.88	0.602	0.934	20.48	0.010	0.00	0.72	35.0	0.005
9/29/2024 4:00	25.5	6.63	210	4.88	184	0.00	10.24	6.35	0.602	0.934	17.37	0.010	0.00	0.59	35.0	0.004
9/29/2024 5:00	26.5	6.90	215	4.98	179	-0.01	9.70	6.89	0.602	0.934	45.25	0.010	0.00	0.43	35.0	0.003
9/29/2024 6:00	24.2	6.36	189	4.93	179	0.00	9.69	5.80	0.602	0.934	-28.07	0.010	0.00	0.43	34.9	0.003
9/29/2024 7:00	27.3	6.58	199	5.10	179	0.00	10.21	6.77	0.602	0.934	28.31	0.010	0.00	4.46	34.9	0.033
9/29/2024 8:00	27.8	6.57	197	5.12	179	0.00	10.14	6.86	0.602	0.934	33.11	0.010	0.00	6.25	34.9	0.046
9/29/2024 9:00	28.4	6.39	191	5.15	178	0.00	9.73	6.84	0.602	0.934	28.59	0.010	0.00	6.27	34.9	0.046
9/29/2024 10:00	28.2	6.52	195	5.21	179	0.00	10.30	6.93	0.602	0.934	29.88	0.010	0.00	1.91	34.9	0.014
9/29/2024 11:00	27.0	6.28	179	5.24	179	0.00	9.70	6.37	0.602	0.934	-14.53	0.010	0.00	0.22	34.9	0.002
9/29/2024 12:00	30.9	6.40	186	5.29	179	0.00	9.66	7.45	0.602	0.934	62.00	0.010	0.00	2.25	34.9	0.017
9/29/2024 13:00	34.5	6.30	186	5.30	178	0.00	10.16	8.17	0.602	0.934	116.08	0.010	50.90	24.05	34.8	0.179
9/29/2024 14:00	32.9	6.69	205	5.17	178	0.00	10.37	8.29	0.602	0.934	130.14	0.010	64.96	35.17	34.8	0.261
9/29/2024 15:00	31.5	6.44	186	5.03	178	0.00	9.64	7.60	0.602	0.934	86.91	0.010	31.74	54.32	34.9	0.406
9/29/2024 16:00	28.0	6.25	180	4.95	179	0.00	10.52	6.58	0.602	0.934	29.28	0.010	0.00	37.37	34.9	0.278
9/29/2024 17:00	31.5	6.62	206	5.02	178	0.00	10.43	7.84	0.602	0.934	110.97	0.010	45.79	33.38	34.9	0.249
9/29/2024 18:00	28.9	6.81	207	4.93	178	-0.01	9.83	7.40	0.602	0.934	87.23	0.010	22.05	20.31	34.9	0.150
9/29/2024 19:00	31.5	7.24	235	4.94	178	-0.01	10.04	8.58	0.602	0.934	158.70	0.010	93.52	39.80	34.9	0.294
9/29/2024 20:00	32.4	7.10	240	4.75	178	0.00	10.17	8.64	0.602	0.934	175.61	0.010	110.43	56.03	34.9	0.419
9/29/2024 21:00	28.6	6.95	231	5.09	178	-0.01	8.95	7.31	0.602	0.934	109.79	0.010	64.62	71.01	34.9	0.535
9/29/2024 22:00	28.0	6.67	205	4.98	179	0.00	9.24	7.02	0.602	0.934	55.97	0.010	0.00	52.07	34.9	0.383
9/29/2024 23:00	26.5	6.47	199	4.99	179	0.00	9.07	6.45	0.602	0.934	15.41	0.010	0.00	30.80	34.9	0.229
9/30/2024 0:00	30.7	6.93	229	4.92	174	-0.01	8.80	8.00	0.602	0.934	124.17	0.010	58.99	11.54	34.9	0.086
9/30/2024 1:00	29.2	6.58	210	4.89	175	0.00	9.31	7.23	0.602	0.934	78.69	0.010	13.51	25.46	34.9	0.189
9/30/2024 2:00	29.7	6.84	220	4.95	173	0.00	9.27	7.64	0.602	0.934	100.69	0.010	35.52	38.33	34.9	0.286
9/30/2024 3:00	29.4	6.57	212	5.04	174	-0.01	9.40	7.27	0.602	0.934	67.76	0.010	2.58	55.06	34.9	0.409
9/30/2024 4:00	28.2	6.66	210	4.97	174	0.00	9.31	7.07	0.602	0.934	59.86	0.010	0.00	44.86	34.9	0.336
9/30/2024 5:00	28.2	6.81	213	4.87	173	0.00	8.80	7.22	0.602	0.934	79.21	2.850	69.84	36.79	34.9	0.272
9/30/2024 6:00	29.4	6.64	210	4.90	174	0.00	9.56	7.35	0.602	0.934	86.55	2.850	77.17	34.79	34.9	0.256
9/30/2024 7:00	28.7	6.53	203	4.86	174	-0.01	9.30	7.06	0.602	0.934	70.50	2.850	61.13	61.51	34.9	0.455
9/30/2024 8:00	25.7	6.59	209	4.82	174	0.00	8.83	6.37	0.602	0.934	24.29	2.850	14.91	77.70	34.9	0.575
9/30/2024 9:00	27.4	6.67	210	4.70	174	0.00	8.85	6.87	0.602	0.934	70.02	2.850	60.65	64.45	34.9	0.472
9/30/2024 10:00	26.5	7.06	238	4.81	174	0.00	9.31	6.97	0.602	0.934	69.02	2.850	53.21	49.07	34.9	0.363
9/30/2024 11:00	28.8	6.85	224	4.87	175	0.00	9.23	7.41	0.602	0.934	89.89	2.850	80.52	39.98	34.9	0.298
9/30/2024 12:00	26.5	6.80	219	4.86	174	0.00	9.60	6.77	0.602	0.934	48.29	2.850	38.91	54.01	35.0	0.401
9/30/2024 13:00	27.3	6.72	217	4.92	175	0.00	9.38	6.90	0.602	0.934	52.11	2.850	42.73	60.80	35.0	0.453
9/30/2024 14:00	26.6	6.98	237	4.90	175	0.00	9.19	6.98	0.602	0.934	55.88	2.850	46.50	67.78	35.0	0.506
9/30/2024 15:00	26.1	6.59	213	4.86	174	0.00	9.53	6.46	0.602	0.934	26.91	2.850	17.53	55.28	35.0	0.406
9/30/2024 16:00	27.9	7.09	252	4.79	174	0.00	9.24	7.13	0.602	0.934	72.24	2.850	62.87	62.87	35.0	0.321
9/30/2024 17:00	25.9	6.86	227	4.86	174	-0.01	9.08	6.67	0.602	0.934	40.45	2.850	31.08	41.83	35.0	0.306
9/30/2024 18:00	27.2	6.94	232	4.75	175	-0.01	9.25	7.10	0.602	0.934	77.37	2.850	68.00	55.80	35.0	0.411
9/30/2024 19:00	25.3	6.63	211	4.68	174	-0.01	9.34	6.31	0.602	0.934	31.87	2.850	22.50	63.52	35.0	0.459
9/30/2024 20:00	24.2	6.45	201	4.63	174	0.00	9.21	5.86	0.602	0.934	5.11	2.850	0.00	54.69	35.0	0.404
9/30/2024 21:00	28.1	6.82	218	4.70	174	0.00	8.52	7.22	0.602	0.934	93.83	2.850	84.45	49.09	35.0	0.364
9/30/2024 22:00	28.6	6.56	217	4.76	174	0.00	8.38	6.82	0.602	0.934	98.39	2.850	87.59	43.99	35.0	0.325
9/30/2024 23:00	28.5	6.58	210	4.67	174	0.00	8.68	7.04	0.602	0.934	84.81	2.850	75.44	57.61	35.0	0.427
10/1/2024 0:00	27.2	6.54	211	4.67	174	0.00	8.31	6.75	0.602	0.934	59.75	2.850	50.37	68.55	35.1	0.480
10/1/2024 1:00	25.5	6.61	218	4.48	174	0.00	8.09	6.35	0.602	0.934	51.47	2.850	42.09	66.14	35.1	0.491
10/1/2024 2:00	29.8	6.66	227	4.60	174	0.00	8.61	7.46	0.602	0.934	116.19	2.850	106.81	59.33	35.1	0.444
10/1/2024 3:00	31.4	6.71	241	4.60	174	0.00	8.17	7.92	0.602	0.934	141.83	2.850	132.46	63.99	35.1	0.494
10/1/2024 4:00	30.4	6.38	216	4.67	179	-0.01	8.58	7.28	0.602	0.934	98.49	2.850	89.11	78.43	35.1	0.605
10/1/2024 5:00	28.8	6.81	236	4.82	179	0.00	8.82	7.38	0.602	0.934	89.19	2.850	78.80	98.43	35.1	0.751
10/1/2024 6:00	28.3	6.49	213	4.68	179	0.00	7.97	6.91	0.602	0.934	73.09	2.850	63.71	89.48	35.2	0.685
10/1/2024 7:00	27.0	6.32	202	4.62	179	0.00	8.86	6.42	0.602	0.934	46.09	2.850	36.72	76.11	35.2	0.583
10/1/2024 8:00	25.8	6.53	214	4.60	178	0.00	7.92	6.33	0.602	0.934	40.24	2.850	30.86	54.87	35.2	0.410
10/1/2024 9:00	23.5	6.														

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/4/2024 6:00	22.3	6.85	221	4.16	183	0.00	10.77	5.74	0.602	0.934	36.53	0.060	3.44	1.24	35.4	0.009
10/4/2024 7:00	21.7	7.12	240	4.13	183	0.00	10.88	5.81	0.602	0.934	41.19	0.060	8.10	9.36	35.4	0.069
10/4/2024 8:00	17.8	7.22	246	4.09	183	0.00	10.74	4.83	0.602	0.934	-18.80	0.060	0.00	11.79	35.4	0.084
10/4/2024 9:00	13.8	6.50	211	4.04	184	0.00	10.40	3.37	0.602	0.934	-117.42	0.060	0.00	10.15	35.3	0.075
10/4/2024 10:00	15.3	6.63	220	3.98	184	0.00	10.93	3.82	0.602	0.934	-78.93	0.060	0.00	2.03	35.3	0.015
10/4/2024 11:00	17.3	6.47	207	3.93	183	0.00	12.81	4.20	0.602	0.934	-50.79	0.060	0.00	0.00	35.3	0.000
10/4/2024 12:00	19.0	6.69	219	3.87	183	0.00	14.08	4.78	0.602	0.934	-4.38	0.060	0.00	0.05	35.3	0.000
10/4/2024 13:00	18.3	6.54	215	3.87	183	0.00	13.78	4.51	0.602	0.934	-23.20	0.060	0.00	3.63	35.3	0.027
10/4/2024 14:00	22.7	6.67	214	4.19	183	0.00	12.49	5.68	0.602	0.934	30.14	0.060	0.00	4.06	35.3	0.030
10/4/2024 15:00	22.5	6.41	208	4.27	183	0.00	12.89	5.42	0.602	0.934	4.71	0.060	0.00	5.13	35.3	0.038
10/4/2024 16:00	20.1	7.00	234	4.44	183	0.00	12.40	5.32	0.602	0.934	-15.45	0.060	0.00	2.47	35.2	0.018
10/4/2024 17:00	21.8	7.02	238	4.32	183	0.00	9.03	5.74	0.602	0.934	21.98	0.060	0.00	2.14	35.2	0.016
10/4/2024 18:00	18.5	7.24	256	4.20	184	0.00	8.88	5.03	0.602	0.934	-13.96	0.060	0.00	1.10	35.2	0.008
10/4/2024 19:00	18.9	7.15	249	4.08	183	0.00	6.95	5.09	0.602	0.934	-1.58	0.060	0.00	6.66	35.2	0.049
10/4/2024 20:00	21.1	6.60	214	4.02	183	0.00	6.94	5.23	0.602	0.934	13.69	0.060	0.00	7.38	35.2	0.055
10/4/2024 21:00	21.1	7.38	253	3.97	184	0.00	7.21	5.87	0.602	0.934	55.74	0.060	22.65	11.06	35.2	0.084
10/4/2024 22:00	6.90	6.90	220	4.00	183	0.00	7.37	5.17	0.602	0.934	11.55	0.060	0.00	8.04	35.2	0.060
10/4/2024 23:00	20.5	7.17	253	3.97	183	0.00	7.14	5.54	0.602	0.934	35.41	0.060	2.32	11.47	35.2	0.087
10/5/2024 0:00	21.7	7.03	241	3.99	183	0.00	7.07	5.73	0.602	0.934	46.98	0.060	13.89	13.58	35.1	0.103
10/5/2024 1:00	23.5	6.94	240	4.09	184	-0.01	7.71	6.14	0.602	0.934	65.41	0.060	32.32	23.35	35.1	0.179
10/5/2024 2:00	21.7	6.88	239	4.04	183	0.00	7.50	5.62	0.602	0.934	36.17	0.060	3.08	22.90	35.1	0.174
10/5/2024 3:00	20.0	7.05	248	4.05	184	0.00	7.67	5.31	0.602	0.934	14.97	0.060	0.00	28.24	35.1	0.217
10/5/2024 4:00	25.3	7.11	249	4.14	183	0.00	7.42	6.76	0.602	0.934	99.63	0.060	66.54	19.43	35.1	0.149
10/5/2024 5:00	20.9	6.28	198	4.18	183	0.00	7.78	4.94	0.602	0.934	-20.91	0.060	0.00	23.34	35.1	0.180
10/5/2024 6:00	23.8	6.75	218	4.23	183	0.00	7.46	6.04	0.602	0.934	50.79	0.060	17.71	16.33	35.1	0.126
10/5/2024 7:00	24.5	6.79	226	4.23	183	0.00	7.18	6.26	0.602	0.934	64.50	0.060	31.41	26.48	35.1	0.205
10/5/2024 8:00	19.1	6.47	203	4.27	183	0.00	6.84	4.65	0.602	0.934	-48.61	0.060	0.00	22.07	35.1	0.171
10/5/2024 9:00	18.1	6.34	201	4.27	183	0.00	7.53	4.32	0.602	0.934	-73.08	0.060	0.00	17.86	35.1	0.139
10/5/2024 10:00	19.5	6.48	209	4.17	183	0.00	7.02	4.75	0.602	0.934	-32.58	0.060	0.00	3.41	35.1	0.096
10/5/2024 11:00	17.8	6.65	237	3.99	184	0.00	7.67	4.46	0.602	0.934	-34.87	0.060	0.00	0.12	35.1	0.001
10/5/2024 12:00	15.7	6.47	215	3.98	183	0.00	9.21	3.82	0.602	0.934	-79.36	0.060	0.00	0.12	35.1	0.001
10/5/2024 13:00	19.1	6.51	229	3.84	183	0.00	9.54	4.68	0.602	0.934	-8.36	0.060	0.00	0.00	35.0	0.000
10/5/2024 14:00	24.3	6.30	210	3.98	184	0.00	9.01	5.77	0.602	0.934	54.35	0.060	21.26	0.82	35.0	0.006
10/5/2024 15:00	26.0	6.89	245	4.09	184	0.00	9.45	6.74	0.602	0.934	102.79	0.060	69.70	16.06	35.0	0.047
10/5/2024 16:00	22.3	6.96	250	4.12	183	0.00	9.44	5.84	0.602	0.934	43.16	0.060	10.07	40.00	35.0	0.106
10/5/2024 17:00	21.8	7.28	269	4.05	183	0.00	8.85	6.38	0.602	0.934	78.85	0.060	45.79	15.06	35.0	0.115
10/5/2024 18:00	21.8	6.58	224	4.06	183	0.00	9.28	5.39	0.602	0.934	21.05	0.060	0.00	14.88	35.0	0.116
10/5/2024 19:00	22.3	6.53	219	4.12	183	0.00	9.09	5.49	0.602	0.934	22.35	0.060	0.00	16.53	35.0	0.128
10/5/2024 20:00	24.7	6.85	234	4.11	183	0.00	9.23	6.36	0.602	0.934	79.52	0.060	46.43	18.97	35.0	0.146
10/5/2024 21:00	24.9	6.64	229	4.13	183	0.00	8.83	6.21	0.602	0.934	68.63	0.060	35.54	22.83	35.0	0.176
10/5/2024 22:00	23.1	6.60	223	4.09	184	0.00	8.89	5.72	0.602	0.934	40.32	0.060	7.23	20.36	35.0	0.159
10/5/2024 23:00	20.0	7.01	242	4.02	184	0.00	9.44	6.02	0.602	0.934	83.47	0.060	54.48	28.87	35.0	0.221
10/6/2024 0:00	22.9	6.87	240	4.03	183	0.00	9.32	5.90	0.602	0.934	55.39	0.060	22.30	33.40	35.0	0.261
10/6/2024 1:00	21.6	6.57	222	3.91	183	0.00	9.55	5.34	0.602	0.934	30.29	0.060	0.00	43.30	35.0	0.340
10/6/2024 2:00	22.1	7.02	244	3.77	184	0.00	9.51	5.84	0.602	0.934	71.40	0.060	38.31	37.12	35.0	0.293
10/6/2024 3:00	22.7	6.75	227	3.78	183	0.00	9.00	5.75	0.602	0.934	68.05	0.060	34.96	31.48	35.0	0.248
10/6/2024 4:00	21.5	6.80	240	3.86	183	0.00	9.33	5.49	0.602	0.934	42.81	0.060	9.72	20.64	35.0	0.162
10/6/2024 5:00	22.7	6.53	237	3.83	183	0.00	9.57	5.68	0.602	0.934	59.62	0.060	21.12	18.15	34.9	0.143
10/6/2024 6:00	18.9	6.60	229	3.89	183	0.00	6.97	4.70	0.602	0.934	-11.33	0.060	0.00	11.50	34.9	0.090
10/6/2024 7:00	22.0	6.27	206	3.87	184	0.00	7.72	5.03	0.602	0.934	24.36	0.060	0.00	13.43	34.9	0.106
10/6/2024 8:00	19.2	6.70	230	3.88	183	0.00	6.04	4.84	0.602	0.934	-1.18	0.060	0.00	10.10	34.9	0.079
10/6/2024 9:00	20.4	6.95	246	3.88	183	0.00	7.03	5.32	0.602	0.934	29.50	0.060	0.00	9.40	34.9	0.074
10/6/2024 10:00	18.1	6.77	233	3.86	183	0.00	7.61	4.40	0.602	0.934	-15.20	0.060	0.00	2.83	34.9	0.022
10/6/2024 11:00	17.8	6.72	229	3.88	183	0.00	7.14	4.60	0.602	0.934	-24.34	0.060	0.00	2.01	34.9	0.016
10/6/2024 12:00	17.6	6.90	245	3.81	184	0.00	7.34	4.63	0.602	0.934	-15.15	0.060	0.00	1.50	34.9	0.012
10/6/2024 13:00	18.3	6.98	257	3.84	183	-0.01	7.04	4.80	0.602	0.934	-0.59	0.060	0.00	5.53	34.8	0.043
10/6/2024 14:00	18.6	6.92	252	3.83	183	0.00	7.41	4.84	0.602	0.934	2.26	0.060	0.00	5.53	34.8	0.043
10/6/2024 15:00	18.3	6.91	242	3.91	184	-0.01	7.20	4.76	0.602							

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/9/2024 13:00	30.3	7.45	200	4.42	170	3.33	10.59	8.49	0.598	0.934	-244.10	0.050	0.00	7.15	34.6	0.056
10/9/2024 14:00	36.4	7.29	181	4.42	172	3.41	11.05	9.99	0.598	0.934	-150.78	0.050	0.00	11.45	34.5	0.089
10/9/2024 15:00	31.1	7.22	181	4.39	168	3.28	11.03	8.44	0.598	0.934	-253.68	0.050	0.00	20.84	34.5	0.160
10/9/2024 16:00	21.5	7.13	239	4.46	174	0.00	12.89	5.77	0.598	0.934	14.90	0.050	1.42	19.98	34.5	0.155
10/9/2024 17:00	19.1	6.96	238	4.45	178	0.00	12.87	5.01	0.598	0.934	-34.46	0.050	0.00	15.55	34.5	0.124
10/9/2024 18:00	18.7	7.30	259	4.54	178	0.00	12.78	5.15	0.598	0.934	-30.74	0.050	0.00	4.34	34.5	0.035
10/9/2024 19:00	15.0	7.14	241	3.86	179	0.00	12.83	4.02	0.598	0.934	-50.43	0.050	0.00	9.21	34.5	0.073
10/9/2024 20:00	17.0	7.51	263	3.77	178	0.00	12.88	4.81	0.598	0.934	7.21	0.050	0.00	9.19	34.5	0.073
10/9/2024 21:00	16.3	7.25	257	3.67	179	0.00	12.88	4.45	0.598	0.934	-6.94	0.050	0.00	8.97	34.5	0.071
10/9/2024 22:00	15.5	7.31	260	3.64	178	0.00	12.80	4.26	0.598	0.934	-16.73	0.050	0.00	1.02	34.5	0.008
10/9/2024 23:00	18.7	6.63	215	4.58	179	0.00	12.93	4.66	0.598	0.934	-72.46	0.050	0.00	1.02	34.4	0.008
10/10/2024 0:00	16.3	7.03	245	3.80	179	0.00	12.94	4.30	0.598	0.934	-27.54	0.050	0.00	0.26	34.4	0.002
10/10/2024 1:00	14.7	6.66	234	3.12	179	0.00	12.92	3.69	0.598	0.934	-11.87	0.050	0.00	1.59	34.4	0.013
10/10/2024 2:00	14.9	6.54	216	3.44	179	0.00	12.82	3.67	0.598	0.934	-42.16	0.050	0.00	2.42	34.4	0.019
10/10/2024 3:00	17.3	6.59	228	3.36	179	0.00	12.78	4.48	0.598	0.934	6.88	0.050	0.00	4.41	34.4	0.035
10/10/2024 4:00	12.4	6.67	224	3.26	179	0.00	12.88	3.11	0.598	0.934	-64.55	0.050	0.00	3.08	34.4	0.025
10/10/2024 5:00	14.2	6.87	238	3.68	179	0.00	12.75	3.68	0.598	0.934	-9.78	0.050	0.00	2.54	34.4	0.020
10/10/2024 6:00	16.9	6.78	234	3.13	179	0.00	11.01	4.30	0.598	0.934	26.99	0.050	13.51	2.75	34.4	0.022
10/10/2024 7:00	16.9	6.47	226	3.16	179	0.00	10.41	4.11	0.598	0.934	12.37	0.050	0.00	8.59	34.3	0.069
10/10/2024 8:00	10.9	6.51	228	3.15	178	0.00	10.44	2.66	0.598	0.934	-84.91	0.050	0.00	10.14	34.3	0.082
10/10/2024 9:00	12.7	6.59	228	3.05	179	0.00	10.44	3.14	0.598	0.934	-43.74	0.050	0.00	7.93	34.3	0.064
10/10/2024 10:00	12.2	6.36	220	2.98	178	0.00	9.92	2.91	0.598	0.934	-54.35	0.050	0.00	1.86	34.3	0.015
10/10/2024 11:00	13.8	6.62	236	2.91	179	0.00	11.13	3.45	0.598	0.934	-11.52	0.050	0.00	0.00	34.3	0.000
10/10/2024 12:00	10.9	6.62	239	2.87	179	0.00	11.04	2.70	0.598	0.934	-56.32	0.050	0.00	0.00	34.3	0.000
10/10/2024 13:00	10.5	6.33	250	2.77	147	0.00	11.38	2.50	0.598	0.934	-65.20	0.050	0.00	1.46	34.3	0.012
10/10/2024 14:00	7.6	6.47	241	2.60	165	0.00	10.81	1.85	0.598	0.934	-93.05	0.050	0.00	1.46	34.3	0.011
10/10/2024 15:00	8.6	6.92	259	2.38	178	0.00	12.04	2.23	0.598	0.934	-45.79	0.050	0.00	1.46	34.2	0.011
10/10/2024 16:00	8.6	6.65	244	2.35	178	0.00	12.08	2.15	0.598	0.934	-49.72	0.050	0.00	0.00	34.2	0.000
10/10/2024 17:00	6.1	6.35	228	2.21	179	0.00	12.25	1.47	0.598	0.934	-86.31	0.050	0.00	0.00	34.2	0.000
10/10/2024 18:00	7.8	6.96	265	2.14	179	0.00	12.24	2.04	0.598	0.934	-38.61	0.050	0.00	0.04	34.2	0.000
10/10/2024 19:00	7.5	7.21	287	2.20	179	0.00	11.19	2.04	0.598	0.934	-40.88	0.050	0.00	5.05	34.2	0.040
10/10/2024 20:00	7.5	7.01	264	2.02	178	0.00	11.92	1.97	0.598	0.934	-33.44	0.050	0.00	5.08	34.2	0.039
10/10/2024 21:00	7.9	6.57	233	2.14	178	-0.01	11.97	1.96	0.598	0.934	-46.67	0.050	0.00	5.04	34.2	0.040
10/10/2024 22:00	10.2	6.48	217	3.33	178	0.00	11.86	2.48	0.598	0.934	-115.82	0.050	0.00	0.07	34.2	0.001
10/10/2024 23:00	9.8	6.56	226	3.16	179	0.00	7.88	2.43	0.598	0.934	-100.64	0.050	0.00	0.04	34.1	0.000
10/11/2024 0:00	13.8	6.84	243	3.16	179	0.00	7.91	3.40	0.598	0.934	-38.61	0.050	0.00	0.00	34.1	0.000
10/11/2024 1:00	13.2	6.55	232	3.03	178	0.00	7.87	3.25	0.598	0.934	-33.68	0.050	0.00	0.93	34.1	0.007
10/11/2024 2:00	14.2	6.75	235	3.00	179	0.00	8.04	3.61	0.598	0.934	-7.93	0.050	0.00	1.03	34.1	0.008
10/11/2024 3:00	13.0	6.68	237	3.04	179	0.00	7.87	3.28	0.598	0.934	-32.30	0.050	0.00	1.13	34.1	0.009
10/11/2024 4:00	11.9	6.81	240	3.03	178	0.00	8.01	3.04	0.598	0.934	-46.77	0.050	0.00	0.39	34.1	0.003
10/11/2024 5:00	14.2	6.48	228	2.78	179	0.00	8.61	3.46	0.598	0.934	0.01	0.660	49.53	3.30	34.1	0.026
10/11/2024 6:00	13.0	6.93	249	2.79	179	0.00	3.98	3.98	0.598	0.934	32.62	0.660	82.10	34.0	0.022	
10/11/2024 7:00	13.0	6.81	249	2.76	179	0.00	7.91	3.34	0.598	0.934	-6.08	0.660	43.44	34.0	0.281	
10/11/2024 8:00	11.7	6.76	239	2.63	178	0.00	8.12	2.98	0.598	0.934	-19.45	0.660	30.07	47.88	34.1	0.386
10/11/2024 9:00	8.2	6.62	242	2.53	179	0.00	8.63	2.05	0.598	0.934	-70.56	0.660	0.00	48.13	34.1	0.388
10/11/2024 10:00	0.0	6.87	256	2.25	179	0.00	8.13	0.00	0.598	0.934	-174.96	0.660	0.00	24.77	34.1	1.198
10/11/2024 11:00	0.1	6.23	219	2.15	179	0.00	8.01	0.02	0.598	0.934	-181.66	0.660	0.00	9.07	34.0	0.072
10/11/2024 12:00	26.8	6.78	264	2.02	179	0.00	8.04	2.02	0.598	0.934	27.74	0.660	66.21	27.74	34.0	0.221
10/11/2024 13:00	14.7	6.75	257	2.01	178	0.00	9.22	3.72	0.598	0.934	77.09	0.660	126.61	66.19	34.1	0.521
10/11/2024 14:00	24.3	7.00	268	3.33	179	-0.01	10.65	6.41	0.598	0.934	138.52	0.660	188.04	96.93	34.1	0.768
10/11/2024 15:00	19.0	6.61	246	3.45	179	-0.01	11.18	4.73	0.598	0.934	28.51	0.660	78.03	103.38	34.1	0.818
10/11/2024 16:00	21.0	7.14	274	3.52	179	-0.01	11.17	5.65	0.598	0.934	76.37	0.660	125.88	96.62	34.1	0.780
10/11/2024 17:00	21.5	6.56	238	3.51	178	0.00	7.58	5.31	0.598	0.934	62.00	0.660	111.51	97.07	34.2	0.783
10/11/2024 18:00	21.2	6.70	275	3.48	179	0.00	7.53	5.34	0.598	0.934	60.59	0.660	110.11	88.99	34.2	0.739
10/11/2024 19:00	18.3	6.38	232	3.38	178	0.00	4.37	4.37	0.598	0.934	12.15	0.660	90.77	90.87	34.2	0.745
10/11/2024 20:00	21.2	6.69	248	3.24	178	-0.01	7.00	5.32	0.598	0.934	82.49	0.660	132.01	89.35	34.2	0.739
10/11/2024 21:00	18.1	6.54	242	3.18	179	-0.01	7.10	4.46	0.598	0.934	33.02	0.660	82.54	92.13	34.3	0.757
10/11/2024 22:00	18.3</															

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/14/2024 20:00	21.6	6.78	233	4.73	188	0.00	9.71	5.52	0.598	0.934	-23.61	0.050	0.00	0.00	35.7	0.000
10/14/2024 21:00	18.9	6.45	213	4.69	188	0.00	10.20	4.58	0.598	0.934	-84.98	0.050	0.00	0.00	35.7	0.000
10/14/2024 22:00	21.4	7.08	250	4.65	188	0.00	10.38	5.71	0.598	0.934	-4.76	0.050	0.00	0.00	35.7	0.000
10/14/2024 23:00	20.6	6.93	246	4.27	188	0.00	10.35	5.36	0.598	0.934	-2.70	0.050	0.00	0.00	35.6	0.000
10/15/2024 0:00	23.3	6.86	232	4.60	188	0.00	9.79	6.01	0.598	0.934	18.79	0.050	0.00	0.00	35.6	0.000
10/15/2024 1:00	22.4	7.10	252	4.57	188	0.00	10.37	5.97	0.598	0.934	17.88	0.050	0.00	0.00	35.6	0.000
10/15/2024 2:00	22.8	6.98	246	4.55	188	0.00	10.37	5.99	0.598	0.934	21.11	0.050	0.00	0.00	35.6	0.000
10/15/2024 3:00	20.7	6.86	240	4.49	188	0.00	10.43	5.33	0.598	0.934	-15.80	0.050	0.00	0.00	35.6	0.000
10/15/2024 4:00	26.2	6.64	224	4.53	188	0.00	10.38	6.53	0.598	0.934	60.03	0.050	0.00	0.00	35.6	0.000
10/15/2024 5:00	21.9	6.37	212	4.51	188	0.00	9.91	5.23	0.598	0.934	-25.49	0.050	0.00	0.00	35.6	0.000
10/15/2024 6:00	18.8	6.61	231	3.75	184	0.00	10.42	4.68	0.598	0.934	1.09	0.050	0.00	0.00	35.5	0.000
10/15/2024 7:00	18.5	6.69	232	3.68	183	0.00	10.34	4.65	0.598	0.934	5.22	0.050	0.00	0.00	35.5	0.000
10/15/2024 8:00	17.7	7.02	256	3.65	183	0.00	10.13	4.67	0.598	0.934	8.20	0.050	0.00	0.00	35.5	0.000
10/15/2024 9:00	18.2	6.86	244	3.53	183	0.00	9.74	4.71	0.598	0.934	20.30	0.050	0.00	0.00	35.5	0.000
10/15/2024 10:00	16.9	6.92	249	3.34	183	0.00	9.90	4.41	0.598	0.934	16.20	0.050	0.00	0.00	35.5	0.000
10/15/2024 11:00	15.6	6.25	212	3.24	183	0.00	10.34	3.66	0.598	0.934	-25.49	0.050	0.00	0.00	35.5	0.000
10/15/2024 12:00	15.9	6.40	230	3.06	184	0.00	9.48	3.43	0.598	0.934	1.83	0.050	0.00	0.00	35.5	0.000
10/15/2024 13:00	13.6	6.46	236	2.99	183	0.00	10.13	3.30	0.598	0.934	-26.90	0.050	0.00	0.00	35.4	0.000
10/15/2024 14:00	16.8	6.44	231	3.76	184	0.00	9.89	4.07	0.598	0.934	-40.24	0.050	0.00	0.00	35.4	0.000
10/15/2024 15:00	17.7	6.76	250	3.82	183	-0.01	10.25	4.49	0.598	0.934	-15.92	0.050	0.00	0.00	35.4	0.000
10/15/2024 16:00	17.6	6.62	227	3.84	183	0.00	9.92	4.39	0.598	0.934	-25.26	0.050	0.00	0.00	35.4	0.000
10/15/2024 17:00	16.8	6.31	216	3.80	184	0.00	9.73	3.98	0.598	0.934	-50.61	0.050	0.00	0.00	35.4	0.000
10/15/2024 18:00	19.5	6.75	251	3.80	183	0.00	10.43	4.95	0.598	0.934	13.92	0.050	0.00	0.00	35.4	0.000
10/15/2024 19:00	16.8	6.67	242	3.73	184	0.00	9.88	4.20	0.598	0.934	-27.82	0.050	0.00	0.00	35.4	0.000
10/15/2024 20:00	14.4	7.16	274	3.67	183	0.00	10.25	3.88	0.598	0.934	-40.73	0.050	0.00	0.00	35.3	0.000
10/15/2024 21:00	16.8	7.11	274	3.61	183	0.00	10.30	4.48	0.598	0.934	-40.21	0.050	0.00	0.00	35.3	0.000
10/15/2024 22:00	17.4	7.15	269	3.67	183	0.00	10.47	4.67	0.598	0.934	6.52	0.050	0.00	0.00	35.3	0.000
10/15/2024 23:00	17.5	6.84	245	3.67	183	0.00	9.78	4.50	0.598	0.934	-3.82	0.050	0.00	0.00	35.3	0.000
10/16/2024 0:00	16.8	6.76	240	3.67	183	0.00	10.35	4.28	0.598	0.934	-18.12	0.050	0.00	0.00	35.3	0.000
10/16/2024 1:00	15.4	6.95	251	3.74	184	0.00	9.67	4.28	0.598	0.934	-22.97	0.050	0.00	0.00	35.3	0.000
10/16/2024 2:00	20.2	6.75	234	3.67	183	0.00	10.41	5.13	0.598	0.934	37.50	0.050	0.00	0.00	35.3	0.000
10/16/2024 3:00	18.6	6.70	234	3.62	183	0.00	10.33	4.70	0.598	0.934	12.31	0.050	0.00	0.00	35.2	0.000
10/16/2024 4:00	24.0	6.75	243	3.56	183	0.00	10.48	6.11	0.598	0.934	107.88	0.050	0.00	0.00	35.2	0.000
10/16/2024 5:00	20.0	6.76	242	3.63	183	0.00	9.67	5.09	0.598	0.934	36.71	0.050	0.00	0.01	35.2	0.000
10/16/2024 6:00	18.7	6.37	225	3.59	183	0.00	10.23	4.47	0.598	0.934	-17.13	0.050	0.00	0.00	35.2	0.000
10/16/2024 7:00	18.5	6.50	227	3.58	183	0.00	7.95	4.53	0.598	0.934	2.36	0.050	0.00	0.00	35.2	0.000
10/16/2024 8:00	19.7	6.46	232	3.56	184	0.00	7.64	4.80	0.598	0.934	24.21	0.050	0.00	2.35	35.2	0.021
10/16/2024 9:00	19.2	6.67	245	3.45	184	0.00	6.97	4.82	0.598	0.934	33.03	0.050	0.00	2.35	35.2	0.021
10/16/2024 10:00	21.5	6.60	240	3.39	184	0.00	7.62	5.34	0.598	0.934	72.09	0.050	0.00	0.25	35.2	0.002
10/16/2024 11:00	22.2	6.50	228	3.30	183	0.00	7.03	5.42	0.598	0.934	87.08	0.050	0.00	0.25	35.1	0.002
10/16/2024 12:00	18.9	6.42	235	3.25	183	0.00	7.12	4.57	0.598	0.934	34.09	0.050	0.00	0.25	35.1	0.002
10/16/2024 13:00	15.9	6.50	247	3.27	184	0.00	7.66	5.72	0.598	0.934	105.04	0.050	0.00	1.31	35.1	0.011
10/16/2024 14:00	21.2	6.51	238	3.13	183	0.00	7.09	4.22	0.598	0.934	21.23	0.050	0.00	0.38	35.1	0.012
10/16/2024 15:00	18.9	6.47	234	3.11	183	0.00	7.27	4.60	0.598	0.934	47.95	0.050	0.00	1.46	35.1	0.013
10/16/2024 16:00	16.5	6.66	245	2.96	183	0.00	7.52	4.13	0.598	0.934	28.47	0.050	0.00	0.30	35.1	0.003
10/16/2024 17:00	16.1	6.72	244	2.96	183	0.00	5.45	4.07	0.598	0.934	24.71	0.050	0.00	0.23	35.1	0.002
10/16/2024 18:00	16.8	7.06	262	2.99	183	0.00	3.70	4.45	0.598	0.934	43.86	0.050	0.00	0.15	35.0	0.001
10/16/2024 19:00	18.9	7.15	281	3.06	184	0.00	5.12	5.08	0.598	0.934	79.00	0.050	0.00	2.17	35.0	0.016
10/16/2024 20:00	14.3	7.13	276	3.06	183	0.00	0.37	3.84	0.598	0.934	2.35	0.050	0.00	2.17	35.0	0.019
10/16/2024 21:00	16.0	7.73	301	3.19	183	0.00	5.51	4.64	0.598	0.934	30.71	0.050	0.00	2.17	35.0	0.019
10/16/2024 22:00	13.8	6.97	251	3.25	184	0.00	0.09	3.63	0.598	0.934	-25.24	0.050	0.00	0.00	35.0	0.000
10/16/2024 23:00	12.8	6.93	255	3.28	183	0.00	0.34	3.34	0.598	0.934	-45.38	0.050	0.00	0.00	35.0	0.000
10/17/2024 0:00	14.5	7.38	281	3.30	183	0.00	4.92	4.01	0.598	0.934	-5.10	0.050	0.00	0.00	35.0	0.000
10/17/2024 1:00	19.3	6.94	251	3.30	183	0.00	7.14	5.03	0.598	0.934	57.33	0.050	0.00	0.01	35.0	0.000
10/17/2024 2:00	18.0	6.84	248	3.38	183	0.00	4.88	4.62	0.598	0.934	25.43	0.050	0.00	0.03	34.9	0.000

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/20/2024 3:00	17.2	6.97	254	2.97	183	0.00	5.85	4.52	0.598	0.934	50.82	0.050	99.27	39.95	34.6	0.348
10/20/2024 4:00	13.9	6.58	230	2.97	183	0.00	5.65	3.44	0.598	0.934	-16.87	0.050	31.58	34.6	0.314	
10/20/2024 5:00	15.3	6.70	239	2.98	183	0.00	5.89	3.86	0.598	0.934	9.95	0.050	58.40	39.42	34.6	0.343
10/20/2024 6:00	14.8	6.78	237	3.01	183	0.00	5.63	3.78	0.598	0.934	7.48	0.050	50.93	43.58	34.6	0.380
10/20/2024 7:00	15.5	6.71	232	2.96	183	0.00	5.83	3.91	0.598	0.934	15.10	0.050	63.55	54.91	34.7	0.479
10/20/2024 8:00	18.0	7.30	273	3.01	183	0.00	5.29	4.96	0.598	0.934	71.56	0.050	120.01	57.62	34.7	0.505
10/20/2024 9:00	14.0	6.57	225	3.02	184	0.00	5.88	3.47	0.598	0.934	-19.30	0.050	29.15	51.11	34.7	0.446
10/20/2024 10:00	12.6	6.72	230	3.01	183	0.00	7.65	3.17	0.598	0.934	-37.70	0.050	10.75	38.13	34.7	0.334
10/20/2024 11:00	11.6	6.57	223	2.94	184	0.00	7.57	2.86	0.598	0.934	-52.48	0.050	0.00	27.25	34.7	0.238
10/20/2024 12:00	11.3	6.65	232	2.98	183	0.00	7.55	2.83	0.598	0.934	-56.90	0.050	0.00	20.58	34.7	0.178
10/20/2024 13:00	12.3	6.65	229	2.93	184	0.00	7.65	3.07	0.598	0.934	-37.30	0.050	11.15	25.10	34.7	0.214
10/20/2024 14:00	13.2	6.77	244	3.04	183	-0.01	7.65	3.37	0.598	0.934	-25.91	0.050	22.54	23.00	34.7	0.195
10/20/2024 15:00	14.0	6.75	241	3.15	183	-0.01	7.44	3.56	0.598	0.934	-22.58	0.050	25.87	26.62	34.6	0.222
10/20/2024 16:00	11.6	6.56	233	3.22	183	-0.01	7.02	2.87	0.598	0.934	-71.88	0.050	0.00	15.15	34.6	0.128
10/20/2024 17:00	13.2	7.00	257	3.29	183	-0.01	7.40	3.49	0.598	0.934	-36.82	0.050	11.63	15.39	34.6	0.129
10/20/2024 18:00	13.9	6.79	236	3.35	183	-0.01	7.62	3.55	0.598	0.934	-39.97	0.050	8.48	11.25	34.6	0.094
10/20/2024 19:00	12.7	6.64	236	3.26	184	0.00	7.58	3.18	0.598	0.934	-56.22	0.050	0.00	19.45	34.6	0.166
10/20/2024 20:00	13.7	7.60	284	3.20	183	0.00	7.21	3.92	0.598	0.934	-3.22	0.050	45.23	25.13	34.6	0.215
10/20/2024 21:00	13.7	7.27	274	3.14	184	-0.01	7.13	3.75	0.598	0.934	-8.73	0.050	39.72	33.54	34.6	0.290
10/20/2024 22:00	13.7	7.24	270	3.14	183	0.00	7.60	3.74	0.598	0.934	-9.58	0.050	38.87	35.26	34.6	0.302
10/20/2024 23:00	13.2	7.01	257	3.11	184	-0.01	5.62	3.49	0.598	0.934	-22.67	0.050	25.78	30.02	34.6	0.260
10/21/2024 0:00	12.1	6.59	228	3.18	184	-0.01	5.84	3.01	0.589	0.935	-58.35	0.050	0.00	22.75	34.6	0.197
10/21/2024 1:00	13.3	7.22	263	3.21	183	0.00	5.51	3.60	0.589	0.935	-20.54	0.050	27.91	24.88	34.6	0.216
10/21/2024 2:00	11.8	7.05	309	3.09	183	0.00	5.34	3.13	0.589	0.935	-40.03	0.050	8.42	24.70	34.6	0.214
10/21/2024 3:00	11.5	6.70	239	3.05	183	0.00	5.19	2.90	0.589	0.935	-53.18	0.050	0.00	25.28	34.6	0.218
10/21/2024 4:00	12.6	6.80	240	3.01	183	-0.01	5.69	3.23	0.589	0.935	-29.45	0.050	19.00	16.26	34.6	0.141
10/21/2024 5:00	13.4	7.21	265	3.02	183	-0.01	5.64	3.64	0.589	0.935	-3.78	1.480	15.63	13.82	34.6	0.120
10/21/2024 6:00	12.6	6.72	237	2.98	183	0.00	5.55	3.19	0.589	0.935	-29.88	1.480	0.00	8.96	34.6	0.078
10/21/2024 7:00	10.5	6.79	241	2.92	183	0.00	5.29	2.69	0.589	0.935	-56.02	1.480	0.00	10.16	34.6	0.088
10/21/2024 8:00	15.3	6.78	238	2.90	183	-0.01	5.75	3.91	0.589	0.935	23.34	1.480	42.75	14.93	34.6	0.129
10/21/2024 9:00	14.3	6.95	252	2.88	183	0.00	5.57	3.74	0.589	0.935	13.30	1.480	32.71	21.36	34.6	0.182
10/21/2024 10:00	14.0	6.85	251	2.90	183	0.00	5.64	3.59	0.589	0.935	3.03	1.480	22.44	20.57	34.5	0.180
10/21/2024 11:00	15.3	6.57	236	2.98	183	-0.01	5.22	3.77	0.589	0.935	7.73	1.480	27.14	17.70	34.5	0.154
10/21/2024 12:00	15.4	6.38	224	3.14	184	-0.01	5.29	3.70	0.589	0.935	-9.91	1.480	9.50	12.18	34.5	0.105
10/21/2024 13:00	13.8	6.74	238	3.11	183	-0.01	5.25	3.50	0.589	0.935	-19.75	1.480	0.00	15.58	34.5	0.135
10/21/2024 14:00	14.1	6.63	236	3.12	184	-0.01	5.63	3.53	0.589	0.935	-12.77	1.480	0.14	12.25	34.5	0.114
10/21/2024 15:00	12.4	6.54	231	3.14	184	-0.01	5.68	3.04	0.589	0.935	-52.24	1.480	0.00	12.82	34.5	0.109
10/21/2024 16:00	14.0	6.58	228	3.37	184	-0.01	5.67	3.47	0.589	0.935	-43.35	1.480	0.00	4.16	34.5	0.035
10/21/2024 17:00	15.1	6.70	229	3.47	184	-0.01	5.66	3.81	0.589	0.935	-28.91	1.480	0.00	2.40	34.5	0.020
10/21/2024 18:00	14.8	6.59	232	3.49	183	-0.01	4.30	3.68	0.589	0.935	-38.59	1.480	0.00	3.57	34.5	0.030
10/21/2024 19:00	17.1	6.85	248	3.39	183	-0.01	4.62	4.40	0.589	0.935	15.31	1.480	34.71	10.60	34.5	0.093
10/21/2024 20:00	17.7	7.21	282	3.41	183	-0.01	4.71	4.81	0.589	0.935	19.18	1.480	57.42	17.18	34.5	0.171
10/21/2024 21:00	16.6	6.71	242	3.40	183	-0.01	3.76	4.18	0.589	0.935	0.94	1.480	20.35	23.65	34.5	0.215
10/21/2024 22:00	16.1	6.81	246	3.43	184	0.00	3.97	4.11	0.589	0.935	-5.34	1.480	14.07	22.79	34.5	0.211
10/21/2024 23:00	14.6	6.57	229	3.30	183	-0.01	4.41	3.61	0.589	0.935	-28.17	1.480	0.00	22.22	34.5	0.211
10/22/2024 0:00	15.5	6.88	260	3.28	183	0.00	5.04	4.02	0.589	0.935	-0.31	1.480	19.10	23.39	34.4	0.226
10/22/2024 1:00	15.6	7.03	262	3.21	184	-0.01	4.14	4.12	0.589	0.935	11.54	1.480	30.95	32.24	34.4	0.307
10/22/2024 2:00	16.2	7.02	264	3.23	183	0.00	5.70	4.03	0.589	0.935	13.36	1.480	33.36	33.36	34.4	0.311
10/22/2024 3:00	16.5	6.57	230	3.12	183	-0.01	5.23	4.09	0.589	0.935	17.21	1.480	36.62	33.11	34.4	0.319
10/22/2024 4:00	18.2	6.51	235	3.02	184	0.00	5.87	4.45	0.589	0.935	48.06	1.480	67.47	29.80	34.4	0.287
10/22/2024 5:00	12.1	6.55	229	2.94	183	0.00	5.22	2.97	0.589	0.935	-41.37	1.480	0.00	26.63	34.4	0.257
10/22/2024 6:00	15.9	6.41	227	2.87	183	0.00	5.78	3.83	0.589	0.935	20.60	1.480	40.01	26.16	34.4	0.249
10/22/2024 7:00	15.1	6.62	237	2.85	183	-0.01	5.25	3.76	0.589	0.935	17.58	1.480	36.99	30.88	34.4	0.296
10/22/2024 8:00	16.8	6.70	242	2.89	183	0.00	5.30	4.24	0.589	0.935	44.24	1.480	63.65	38.41	34.4	0.366
10/22/2024 9:00	16.5	6.60	241	2.90	183	0.00										

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/25/2024 10:00	9.9	6.69	249	3.22	183	0.00	7.09	2.50	0.589	0.935	-90.84	0.010	0.00	7.98	35.0	0.079
10/25/2024 11:00	9.8	6.66	252	3.02	183	0.00	7.52	2.45	0.589	0.935	-77.81	0.010	0.00	0.00	35.0	0.000
10/25/2024 12:00	8.0	6.43	239	2.99	184	0.00	7.15	1.94	0.589	0.935	-110.84	0.010	0.00	0.00	35.0	0.000
10/25/2024 13:00	13.7	6.55	245	2.91	183	0.00	7.06	3.39	0.589	0.935	-10.90	0.010	0.00	0.00	35.0	0.000
10/25/2024 14:00	15.1	6.39	242	3.07	183	0.00	7.51	3.63	0.589	0.935	-8.36	0.010	0.00	0.00	35.0	0.000
10/25/2024 15:00	15.1	6.52	242	3.00	183	0.00	7.71	3.69	0.589	0.935	1.51	0.010	0.00	0.00	35.0	0.000
10/25/2024 16:00	16.9	6.57	244	3.10	183	0.00	7.25	4.17	0.589	0.935	23.43	0.010	0.00	0.00	35.0	0.000
10/25/2024 17:00	13.3	6.40	241	3.05	183	0.00	7.39	3.21	0.589	0.935	-34.23	0.010	0.00	0.00	35.0	0.000
10/25/2024 18:00	9.8	6.46	243	3.05	184	0.00	7.50	2.38	0.589	0.935	-85.52	0.010	0.00	0.00	34.9	0.000
10/25/2024 19:00	15.0	6.47	241	2.94	183	0.00	7.03	3.66	0.589	0.935	3.60	0.010	0.00	0.00	34.9	0.000
10/25/2024 20:00	11.2	6.47	243	2.93	184	0.00	7.65	2.72	0.589	0.935	-55.36	0.010	0.00	0.00	34.9	0.000
10/25/2024 21:00	9.8	7.02	259	2.92	184	0.00	7.18	2.59	0.589	0.935	-60.58	0.010	0.00	0.00	34.9	0.000
10/25/2024 22:00	9.9	7.03	268	2.92	184	0.00	7.65	2.61	0.589	0.935	-57.78	0.010	0.00	0.00	34.9	0.000
10/25/2024 23:00	8.4	7.07	281	2.95	183	0.00	7.66	2.24	0.589	0.935	-80.23	0.010	0.00	0.00	34.9	0.000
10/26/2024 0:00	6.7	7.19	303	2.98	184	0.00	7.02	1.82	0.589	0.935	-101.80	0.010	0.00	0.00	34.9	0.000
10/26/2024 1:00	5.1	7.07	280	2.93	183	0.00	7.62	1.34	0.589	0.935	-131.45	0.010	0.00	0.00	34.9	0.000
10/26/2024 2:00	6.3	7.41	305	2.93	183	0.00	7.25	1.76	0.589	0.935	-101.34	0.010	0.00	0.00	34.8	0.000
10/26/2024 3:00	10.1	7.36	294	3.63	183	0.00	6.90	2.79	0.589	0.935	-93.63	0.010	0.00	0.00	34.8	0.000
10/26/2024 4:00	9.6	7.41	294	3.72	183	-0.01	7.47	2.68	0.589	0.935	-106.80	0.010	0.00	0.00	34.8	0.000
10/26/2024 5:00	10.4	7.19	282	3.81	183	0.00	7.47	2.81	0.589	0.935	-107.85	0.010	0.00	0.00	34.8	0.000
10/26/2024 6:00	12.4	7.05	275	3.77	183	0.00	7.13	3.30	0.589	0.935	-77.94	0.010	0.00	0.00	34.8	0.000
10/26/2024 7:00	9.8	6.79	251	3.80	183	0.00	7.59	2.50	0.589	0.935	-134.41	0.010	0.00	0.00	34.8	0.000
10/26/2024 8:00	17.7	7.42	297	3.73	183	0.00	7.41	4.81	0.589	0.935	15.47	0.010	0.00	0.41	34.8	0.000
10/26/2024 9:00	18.0	6.79	248	3.72	183	0.00	7.53	4.60	0.589	0.935	2.19	0.010	0.00	0.41	34.8	0.004
10/26/2024 10:00	19.8	6.74	258	3.67	184	0.00	7.61	5.03	0.589	0.935	32.69	0.010	0.00	0.41	34.8	0.004
10/26/2024 11:00	18.1	6.88	261	3.74	184	0.00	7.52	4.69	0.589	0.935	6.73	0.010	0.00	0.00	34.7	0.000
10/26/2024 12:00	18.1	6.79	257	3.77	184	0.00	7.15	4.63	0.589	0.935	0.55	0.010	0.00	0.00	34.7	0.000
10/26/2024 13:00	21.4	7.16	284	3.75	183	0.00	7.28	5.77	0.589	0.935	67.94	0.010	0.00	0.21	34.7	0.002
10/26/2024 14:00	23.2	6.77	257	3.74	184	0.00	7.62	5.91	0.589	0.935	87.06	0.010	0.00	0.21	34.7	0.002
10/26/2024 15:00	18.7	6.87	268	3.78	183	0.00	7.25	5.10	0.589	0.935	27.91	0.010	0.00	0.21	34.7	0.002
10/26/2024 16:00	18.1	6.91	267	3.72	184	0.00	7.60	4.70	0.589	0.935	9.21	0.010	0.00	0.00	34.7	0.000
10/26/2024 17:00	21.5	6.57	240	3.71	183	0.00	7.58	5.31	0.589	0.935	48.80	0.010	0.00	0.00	34.7	0.000
10/26/2024 18:00	20.6	7.02	278	3.72	183	0.00	7.26	5.43	0.589	0.935	51.23	0.010	0.00	0.01	34.7	0.000
10/26/2024 19:00	23.7	7.21	295	3.73	183	0.00	7.13	6.43	0.589	0.935	104.92	0.010	0.00	0.58	34.6	0.006
10/26/2024 20:00	26.7	7.09	277	3.77	183	0.00	7.63	7.11	0.589	0.935	146.65	0.010	31.41	4.06	34.6	0.042
10/26/2024 21:00	27.2	7.36	301	3.84	183	0.00	7.41	7.54	0.589	0.935	150.89	0.010	42.86	20.83	34.6	0.217
10/26/2024 22:00	27.6	7.35	299	3.87	183	0.00	7.50	7.64	0.589	0.935	162.71	0.010	47.48	44.40	34.6	0.463
10/26/2024 23:00	30.1	7.28	292	3.95	184	0.00	7.03	8.25	0.589	0.935	193.85	0.010	78.62	64.55	34.6	0.671
10/27/2024 0:00	32.0	7.09	273	3.91	184	0.00	7.68	8.52	0.589	0.935	221.86	0.010	126.63	77.72	34.7	0.804
10/27/2024 1:00	33.3	6.97	257	3.91	183	0.00	6.95	8.72	0.589	0.935	241.66	0.010	106.43	98.11	34.7	1.020
10/27/2024 2:00	31.8	6.93	270	3.84	183	0.00	7.42	8.29	0.589	0.935	214.37	0.010	99.14	102.48	34.7	1.058
10/27/2024 3:00	30.9	6.94	265	3.94	184	0.00	6.93	8.03	0.589	0.935	205.33	0.010	88.53	105.39	34.7	1.100
10/27/2024 4:00	35.9	7.01	260	3.86	183	0.00	7.41	9.46	0.589	0.935	289.66	0.010	174.42	114.54	34.8	1.184
10/27/2024 5:00	36.4	6.85	258	3.93	184	0.00	7.50	9.38	0.589	0.935	280.46	0.010	165.23	145.26	34.8	1.511
10/27/2024 6:00	35.5	6.86	251	3.90	184	0.00	8.00	9.16	0.589	0.935	273.87	0.010	158.63	171.48	34.8	1.769
10/27/2024 7:00	36.6	6.90	258	3.97	183	0.00	8.57	9.48	0.589	0.935	284.96	0.010	169.73	183.05	34.9	1.906
10/27/2024 8:00	19.0	6.93	264	4.01	183	0.00	8.94	4.94	0.589	0.935	2.29	0.010	0.00	351.01	34.9	1.576
10/27/2024 9:00	6.81	6.81	249	3.95	183	0.00	7.45	4.76	0.589	0.935	156.69	0.010	0.00	91.65	35.0	0.940
10/27/2024 10:00	17.9	6.75	251	3.90	183	0.00	8.43	4.54	0.589	0.935	-15.23	0.010	0.00	26.66	35.0	0.278
10/27/2024 11:00	14.1	6.84	256	3.88	183	0.00	9.68	3.63	0.589	0.935	-69.35	0.010	0.00	0.00	34.9	0.000
10/27/2024 12:00	14.8	6.77	254	3.85	183	0.00	9.34	3.76	0.589	0.935	-59.67	0.010	0.00	0.00	34.9	0.000
10/27/2024 13:00	13.1	6.84	267	3.80	183	0.00	9.77	3.37	0.589	0.935	-77.22	0.010	0.00	0.00	34.9	0.000
10/27/2024 14:00	9.5	6.82	257	3.80	184	0.00	11.26	2.44	0.589	0.935	-137.08	0.010	0.00	0.00	34.9	0.000
10/27/2024 15:00	10.2	6.88	271	3.84	183	0.00	11.10	2.63	0.589	0.935	-124.56	0.010	0.00	0.00	34.9	0.000
10/27/2024 16:00	8.2	6.76	257	3.87	184	0.00	9.70	2.34	0.589	0.935	-					

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
10/30/2024 17:00	27.2	7.07	248	3.58	184	-0.01	8.79	6.92	0.589	0.935	159.84	1.190	289.61	282.48	39.3	2.793
10/30/2024 18:00	27.7	6.73	263	3.60	183	0.00	8.78	6.83	0.589	0.935	147.83	1.190	277.60	268.80	39.3	2.666
10/30/2024 19:00	24.8	7.14	263	3.60	183	-0.01	8.89	6.23	0.589	0.935	110.45	1.190	240.22	264.48	39.4	2.619
10/30/2024 20:00	25.5	7.21	270	3.58	183	0.00	8.82	6.46	0.589	0.935	124.14	1.190	253.91	253.24	39.5	2.516
10/30/2024 21:00	25.2	6.87	248	3.61	184	-0.01	8.87	6.09	0.589	0.935	105.14	1.190	234.91	254.24	39.6	2.515
10/30/2024 22:00	26.2	7.05	273	3.62	183	-0.01	9.42	6.50	0.589	0.935	123.04	1.190	252.81	248.70	39.6	2.455
10/30/2024 23:00	24.6	6.76	253	3.57	184	0.00	8.81	5.84	0.589	0.935	91.48	1.190	221.25	246.03	39.7	2.422
10/31/2024 0:00	24.3	7.26	291	3.52	183	0.00	9.31	6.18	0.589	0.935	107.24	1.190	237.01	247.17	39.8	2.470
10/31/2024 1:00	25.0	7.25	295	3.51	184	-0.01	9.30	6.36	0.589	0.935	117.02	1.190	248.78	250.96	39.8	2.510
10/31/2024 2:00	25.6	7.06	278	3.49	184	0.00	9.48	6.35	0.589	0.935	122.20	1.190	251.96	248.99	39.9	2.502
10/31/2024 3:00	25.9	6.77	254	3.56	183	-0.01	9.49	6.15	0.589	0.935	111.72	1.190	241.49	241.77	40.0	2.424
10/31/2024 4:00	25.9	6.78	255	3.49	183	-0.01	9.35	6.16	0.589	0.935	117.40	1.190	247.17	232.21	40.1	2.316
10/31/2024 5:00	27.5	6.70	250	3.54	184	0.00	9.31	6.46	0.589	0.935	133.27	1.190	263.03	232.36	40.1	2.336
10/31/2024 6:00	25.1	6.85	267	3.47	183	0.00	8.83	6.03	0.589	0.935	107.45	1.190	237.22	235.62	40.2	2.375
10/31/2024 7:00	26.7	6.98	265	3.45	183	0.00	9.08	6.55	0.589	0.935	140.59	1.190	270.35	246.45	40.3	2.481
10/31/2024 8:00	24.4	6.85	270	3.43	183	-0.01	8.77	5.87	0.589	0.935	99.75	1.190	229.52	270.30	40.3	2.494
10/31/2024 9:00	29.7	6.98	270	3.43	183	-0.01	9.37	6.24	0.589	0.935	122.17	1.190	251.93	252.24	40.4	2.542
10/31/2024 10:00	24.2	6.77	248	3.52	172	0.00	8.79	5.75	0.589	0.935	92.77	1.190	222.54	236.09	40.5	2.354
10/31/2024 11:00	20.1	6.75	259	2.87	177	0.00	9.34	4.77	0.589	0.935	78.19	1.190	207.96	227.60	40.5	2.235
10/31/2024 12:00	19.6	6.71	264	2.85	176	0.00	9.21	4.62	0.589	0.935	69.67	1.190	199.44	235.51	40.6	2.322
10/31/2024 13:00	16.8	6.84	270	2.80	177	-0.01	8.97	4.05	0.589	0.935	37.31	1.190	167.08	233.74	40.7	2.202
10/31/2024 14:00	15.4	6.87	258	2.78	176	-0.01	9.13	3.71	0.589	0.935	18.76	1.190	148.53	217.38	40.7	1.994
10/31/2024 15:00	20.7	7.09	274	3.27	177	0.00	9.13	3.67	0.589	0.935	69.58	1.190	199.35	187.89	40.8	1.668
10/31/2024 16:00	18.1	6.65	243	3.23	178	-0.01	9.15	4.23	0.589	0.935	17.60	1.190	147.36	177.31	40.8	1.570
10/31/2024 17:00	21.2	7.03	275	3.27	179	-0.01	9.37	5.24	0.589	0.935	74.45	1.190	204.22	180.00	40.9	1.548
10/31/2024 18:00	21.5	7.15	282	3.28	178	-0.01	9.33	5.41	0.589	0.935	82.30	1.190	212.06	187.45	40.9	1.604
10/31/2024 19:00	19.0	7.18	289	3.22	179	-0.01	9.23	4.78	0.589	0.935	48.56	1.190	178.33	197.96	41.0	1.717
10/31/2024 20:00	17.8	6.97	267	3.22	179	-0.01	8.85	4.35	0.589	0.935	24.45	1.190	154.22	199.09	41.0	1.723
10/31/2024 21:00	15.7	7.50	286	3.11	179	0.00	9.00	4.13	0.589	0.935	18.54	1.190	148.30	194.49	41.1	1.695
10/31/2024 22:00	10.3	7.17	279	2.99	179	0.00	9.00	2.60	0.589	0.935	-63.00	1.190	58.46	150.48	41.1	1.312
10/31/2024 23:00	18.6	6.77	259	2.92	178	0.00	8.94	4.41	0.589	0.935	52.43	1.190	182.20	129.45	41.1	1.142
11/1/2024 0:00	21.4	7.00	265	2.96	178	0.00	9.47	5.27	0.589	0.935	101.33	1.190	231.09	126.48	41.2	1.105
11/1/2024 1:00	13.5	6.80	254	2.97	179	-0.01	8.92	3.23	0.589	0.935	-25.84	1.190	103.93	148.59	41.2	1.305
11/1/2024 2:00	19.1	7.05	276	3.00	179	0.00	8.92	4.74	0.589	0.935	63.82	1.190	193.58	157.87	41.2	1.385
11/1/2024 3:00	20.9	6.80	251	2.91	179	0.00	9.18	4.98	0.589	0.935	89.71	1.190	219.48	164.67	41.3	1.436
11/1/2024 4:00	13.6	6.98	272	2.79	179	0.00	8.92	3.32	0.589	0.935	-12.61	1.190	123.91	174.61	41.3	1.541
11/1/2024 5:00	20.4	7.28	291	2.83	178	0.00	9.08	5.23	0.589	0.935	102.33	0.960	40.63	159.46	41.4	1.424
11/1/2024 6:00	13.4	7.00	269	2.85	178	0.00	9.20	3.30	0.589	0.935	-11.95	0.960	0.00	96.81	41.4	0.869
11/1/2024 7:00	15.1	6.96	280	2.87	179	0.00	7.42	3.70	0.589	0.935	11.08	0.960	0.00	38.30	41.4	0.345
11/1/2024 8:00	15.4	6.92	261	2.85	179	0.00	7.50	3.75	0.589	0.935	15.99	0.960	0.00	4.16	41.4	0.037
11/1/2024 9:00	17.7	6.97	286	2.92	179	0.00	7.65	4.33	0.589	0.935	44.15	0.960	0.00	0.69	41.4	0.006
11/1/2024 10:00	17.0	7.00	273	2.95	179	0.00	7.32	3.72	0.589	0.935	7.72	0.960	0.00	0.07	41.3	0.001
11/1/2024 11:00	16.4	6.73	254	2.92	178	0.00	7.14	3.88	0.589	0.935	11.19	0.960	0.00	0.14	41.4	0.001
11/1/2024 12:00	14.0	6.96	264	2.99	179	0.00	7.68	3.42	0.589	0.935	-14.78	0.960	0.00	0.20	41.3	0.002
11/1/2024 13:00	20.9	7.10	285	2.97	178	0.00	7.46	5.22	0.589	0.935	92.50	0.960	30.80	8.41	41.3	0.075
11/1/2024 14:00	24.9	6.87	269	2.99	179	0.00	7.15	6.01	0.589	0.935	141.56	0.960	79.86	27.19	41.3	0.240
11/1/2024 15:00	22.0	6.78	256	2.95	179	0.00	7.01	5.24	0.589	0.935	101.47	0.960	39.77	44.83	41.3	0.397
11/1/2024 16:00	22.1	6.97	281	2.98	179	0.00	6.96	5.68	0.589	0.935	122.52	0.960	61.02	42.02	41.3	0.528
11/1/2024 17:00	12.6	7.24	291	2.94	179	0.00	6.97	3.20	0.589	0.935	-23.28	0.960	0.00	49.64	41.3	0.444
11/1/2024 18:00	15.9	7.30	295	2.98	178	0.00	7.30	4.09	0.589	0.935	25.22	0.960	0.00	32.43	41.3	0.286
11/1/2024 19:00	20.2	7.23	296	3.00	179	0.00	6.26	5.12	0.589	0.935	81.70	0.960	20.00	24.53	41.3	0.222
11/1/2024 20:00	21.9	7.31	285	3.33	178	0.00	6.15	5.63	0.589	0.935	90.12	0.960	28.42	28.90	41.3	0.260
11/1/2024 21:00	23.2	6.93	263	3.40	178	0.00	6.33	5.64	0.589	0.935	90.66	0.960	28.96	36.20	41.3	0.319
11/1/2024 22:00	21.4	6.96	261	3.37	178	0.00	6.81	5.23	0.589	0.935	67.80	0				

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
11/4/2024 23:00	0.0	6.66	241	3.09	184	0.00	7.20	0.00	0.595	0.933	-243.26	6.840	0.00	0.00	41.5	0.000
11/5/2024 0:00	0.0	6.79	242	3.10	183	0.00	7.40	0.00	0.595	0.933	-243.54	6.840	0.00	0.00	41.5	0.000
11/5/2024 1:00	0.0	6.81	257	3.08	183	0.00	7.35	0.00	0.595	0.933	-233.98	6.840	0.00	0.00	41.5	0.000
11/5/2024 2:00	0.0	6.76	246	3.07	184	0.00	7.39	0.00	0.595	0.933	-238.33	6.840	0.00	0.00	41.5	0.000
11/5/2024 3:00	0.0	6.61	240	3.12	184	-0.01	7.54	0.00	0.595	0.933	-246.75	6.840	0.00	0.00	41.5	0.000
11/5/2024 4:00	0.0	6.81	255	3.14	184	0.00	7.17	0.00	0.595	0.933	-238.66	6.840	0.00	0.00	41.4	0.000
11/5/2024 5:00	0.0	6.86	250	3.16	183	0.00	7.18	0.00	0.595	0.933	-243.86	6.840	0.00	0.00	41.4	0.000
11/5/2024 6:00	0.0	6.87	245	3.26	183	-0.01	7.10	0.00	0.595	0.933	-254.54	6.840	0.00	0.00	41.4	0.000
11/5/2024 7:00	0.0	6.69	243	3.16	183	0.00	7.61	0.00	0.595	0.933	-247.96	6.840	0.00	0.00	41.4	0.000
11/5/2024 8:00	16.0	6.79	246	3.08	183	0.00	7.58	3.82	0.595	0.933	1.50	6.840	0.00	0.00	41.4	0.000
11/5/2024 9:00	14.8	7.30	291	3.05	183	0.00	7.63	3.80	0.595	0.933	5.21	6.840	0.00	0.00	41.4	0.000
11/5/2024 10:00	13.9	7.09	273	3.02	184	0.00	7.00	3.46	0.595	0.933	-16.35	6.840	0.00	0.00	41.4	0.000
11/5/2024 11:00	13.9	6.82	253	3.00	183	0.00	7.37	3.33	0.595	0.933	-23.89	6.840	0.00	0.00	41.4	0.000
11/5/2024 12:00	12.4	7.17	284	2.99	183	0.00	7.63	3.12	0.595	0.933	-33.30	6.840	0.00	0.00	41.3	0.000
11/5/2024 13:00	14.1	7.17	281	3.04	184	0.00	7.62	3.56	0.595	0.933	-11.21	6.840	0.00	0.00	41.3	0.000
11/5/2024 14:00	14.7	7.09	277	3.14	184	0.00	7.19	3.65	0.595	0.933	-13.07	6.840	0.00	0.00	41.3	0.000
11/5/2024 15:00	13.4	6.95	260	3.12	183	0.00	7.32	3.27	0.595	0.933	-35.95	6.840	0.00	0.00	41.3	0.000
11/5/2024 16:00	12.3	6.95	259	3.15	183	-0.01	7.21	3.00	0.595	0.933	-54.54	6.840	0.00	0.00	41.3	0.000
11/5/2024 17:00	13.5	7.10	277	3.21	183	-0.01	7.29	3.37	0.595	0.933	-35.16	6.840	0.00	0.00	41.3	0.000
11/5/2024 18:00	14.0	6.87	252	3.25	183	0.00	7.02	3.39	0.595	0.933	-38.87	6.840	0.00	0.00	41.3	0.000
11/5/2024 19:00	15.7	6.82	251	3.31	184	0.00	5.22	3.75	0.595	0.933	-20.53	6.840	0.00	0.00	41.2	0.000
11/5/2024 20:00	15.5	6.79	250	3.28	184	0.00	5.70	3.70	0.595	0.933	-21.30	6.840	0.00	0.00	41.2	0.000
11/5/2024 21:00	16.0	6.66	240	3.23	183	0.00	5.74	3.74	0.595	0.933	-16.10	6.840	0.00	0.00	41.2	0.000
11/5/2024 22:00	17.7	6.71	241	3.63	184	0.00	5.07	4.18	0.595	0.933	-19.78	6.840	0.00	0.00	41.2	0.000
11/5/2024 23:00	17.4	6.96	255	3.61	183	-0.01	5.75	4.26	0.595	0.933	-12.25	6.840	0.00	0.00	41.2	0.000
11/6/2024 0:00	17.9	6.76	246	3.52	183	0.00	5.72	4.24	0.595	0.933	-6.92	6.840	0.00	0.00	41.2	0.000
11/6/2024 1:00	17.2	6.77	248	3.43	183	-0.01	4.96	4.09	0.595	0.933	-9.14	6.840	0.00	0.00	41.2	0.000
11/6/2024 2:00	17.0	6.80	245	3.41	184	-0.01	5.40	4.07	0.595	0.933	-8.66	6.840	0.00	0.00	41.1	0.000
11/6/2024 3:00	17.6	6.79	247	3.41	184	0.00	5.80	4.19	0.595	0.933	-1.61	6.840	0.00	0.00	41.1	0.000
11/6/2024 4:00	16.6	6.83	247	3.48	183	-0.01	5.87	3.98	0.595	0.933	-19.84	6.840	0.00	0.00	41.1	0.000
11/6/2024 5:00	18.1	7.36	279	3.48	183	0.00	5.97	4.68	0.595	0.933	22.46	0.030	41.66	4.67	41.1	0.041
11/6/2024 6:00	17.4	7.54	293	3.44	183	-0.01	5.63	4.61	0.595	0.933	20.53	0.030	39.74	12.57	41.1	0.109
11/6/2024 7:00	17.1	7.09	266	3.50	184	-0.01	5.11	4.25	0.595	0.933	-4.04	0.030	15.16	29.40	41.1	0.257
11/6/2024 8:00	16.1	8.03	286	3.65	1713	-0.01	5.64	4.54	0.595	0.933	1.62	0.030	20.83	33.46	41.1	0.293
11/6/2024 9:00	14.7	8.59	246	3.76	280	0.00	5.31	4.44	0.595	0.933	-10.27	0.030	8.94	26.12	41.1	0.228
11/6/2024 10:00	15.3	9.36	204	4.21	359	0.00	5.40	5.02	0.595	0.933	-40.87	0.030	10.87	41.1	0.096	0.000
11/6/2024 11:00	15.1	9.69	143	6.25	382	0.00	14.60	5.12	0.595	0.933	-135.67	0.030	0.00	2.30	41.1	0.020
11/6/2024 12:00	20.2	7.16	241	4.53	183	-0.01	5.05	5.08	0.595	0.933	-32.90	0.030	0.00	7.54	41.1	0.066
11/6/2024 13:00	21.6	7.11	238	4.55	183	0.00	5.05	5.39	0.595	0.933	-14.20	0.030	5.00	16.78	41.0	0.147
11/6/2024 14:00	23.0	7.15	242	4.49	184	0.00	5.35	5.76	0.595	0.933	13.40	0.030	32.61	18.89	41.0	0.163
11/6/2024 15:00	22.5	7.31	243	4.53	183	0.00	5.34	5.77	0.595	0.933	10.74	0.030	29.94	16.43	41.0	0.141
11/6/2024 16:00	21.6	7.19	244	4.63	183	0.00	5.30	5.46	0.595	0.933	-14.20	0.030	34.43	9.12	41.0	0.107
11/6/2024 17:00	22.5	7.39	263	4.52	183	-0.01	5.24	5.83	0.595	0.933	18.49	0.030	34.09	11.53	41.0	0.100
11/6/2024 18:00	19.8	7.23	236	4.52	184	0.00	4.48	5.02	0.595	0.933	-36.31	0.030	0.00	12.03	41.0	0.104
11/6/2024 19:00	22.9	7.27	250	4.46	184	-0.01	4.95	5.84	0.595	0.933	20.90	0.030	40.11	22.22	41.0	0.193
11/6/2024 20:00	24.6	7.03	249	4.42	183	-0.01	4.81	6.08	0.595	0.933	38.26	0.030	57.47	28.80	41.0	0.258
11/6/2024 21:00	21.9	7.26	259	4.49	183	0.00	4.35	5.59	0.595	0.933	2.62	0.030	21.82	39.05	41.0	0.342
11/6/2024 22:00	24.3	6.84	249	4.44	183	0.00	4.59	6.47	0.595	0.933	53.47	0.030	74.43	41.0	0.443	0.000
11/6/2024 23:00	24.3	7.00	255	4.52	184	0.00	4.04	5.96	0.595	0.933	23.21	0.030	42.41	58.53	41.0	0.534
11/7/2024 0:00	22.7	7.15	255	4.51	184	0.00	5.74	5.70	0.595	0.933	8.26	0.030	27.47	55.71	41.0	0.500
11/7/2024 1:00	24.6	7.42	268	4.47	184	0.00	5.53	6.40	0.595	0.933	52.76	0.030	71.96	50.43	41.0	0.444
11/7/2024 2:00	23.5	7.18	253	4.55	183	0.00	4.98	5.92	0.595	0.933	18.03	0.030	37.23	40.17	41.0	0.354
11/7/2024 3:00	23.3	7.57	270	4.68	183	0.00	5.82	6.19	0.595	0.933	24.12	0.030	43.32	44.63	41.0	0.394
11/7/2024 4:00	23.3	7.23	266	4.65	184	0.00	5.75	5.99	0.595	0.933	9.72	0.030	28.93	41.52	41.0	0.367
11/7/2024 5:00	24.5	7.87	298	4.61	183											

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Gas	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
11/10/2024 6:00	37.2	7.06	250	4.30	183	0.00	8.26	9.22	0.595	0.933	245.55	0.040	204.17	230.99	42.3	2.031
11/10/2024 7:00	35.3	7.14	252	4.30	183	0.00	8.24	8.86	0.595	0.933	220.67	0.040	179.29	184.60	42.4	1.598
11/10/2024 8:00	19.6	6.95	237	4.25	183	0.00	8.07	4.78	0.595	0.933	-30.07	0.040	0.00	132.49	42.4	1.155
11/10/2024 9:00	14.5	7.64	289	4.25	183	0.00	7.98	3.89	0.595	0.933	-78.26	0.040	0.00	76.80	42.4	0.668
11/10/2024 10:00	18.4	7.30	261	4.29	183	0.00	8.49	4.65	0.595	0.933	-38.30	0.040	0.00	24.46	42.4	0.211
11/10/2024 11:00	14.7	7.25	263	4.31	184	0.00	8.21	3.75	0.595	0.933	-95.47	0.040	0.00	0.00	42.4	0.000
11/10/2024 12:00	16.2	7.56	286	4.23	183	0.00	7.87	4.29	0.595	0.933	-54.13	0.040	0.00	0.00	42.4	0.000
11/10/2024 13:00	14.4	7.02	253	4.18	183	0.00	7.98	3.54	0.595	0.933	-100.35	0.040	0.00	0.13	42.4	0.001
11/10/2024 14:00	19.3	6.99	247	4.02	183	0.00	8.41	4.73	0.595	0.933	-14.79	0.040	0.00	0.13	42.4	0.001
11/10/2024 15:00	17.4	7.20	264	3.95	183	0.00	8.57	4.40	0.595	0.933	-29.35	0.040	0.00	0.13	42.3	0.001
11/10/2024 16:00	15.4	7.14	259	3.94	183	0.00	7.92	3.86	0.595	0.933	-62.06	0.040	0.00	0.00	42.3	0.000
11/10/2024 17:00	19.8	7.09	257	3.99	183	0.00	8.21	4.92	0.595	0.933	-0.36	0.040	0.00	0.00	42.3	0.000
11/10/2024 18:00	15.0	7.07	257	3.90	184	0.00	8.35	3.72	0.595	0.933	-67.49	0.040	0.00	0.00	42.3	0.000
11/10/2024 19:00	19.0	7.02	243	3.94	183	0.00	8.39	4.68	0.595	0.933	-12.12	0.040	0.00	0.55	42.3	0.005
11/10/2024 20:00	14.8	7.60	274	3.94	183	0.00	8.42	3.94	0.595	0.933	-54.88	0.040	0.00	0.55	42.3	0.005
11/10/2024 21:00	13.3	7.34	267	3.95	183	0.00	8.31	3.43	0.595	0.933	-86.95	0.040	0.00	0.55	42.3	0.005
11/10/2024 22:00	12.5	7.06	257	3.90	183	0.00	8.24	3.91	0.595	0.933	-107.59	0.040	0.00	0.00	42.2	0.000
11/10/2024 23:00	12.3	7.15	260	3.86	183	0.00	8.08	3.08	0.595	0.933	-101.48	0.040	0.00	0.00	42.2	0.000
11/11/2024 0:00	14.2	7.33	279	3.89	183	0.00	8.29	3.66	0.595	0.933	-67.12	0.040	0.00	0.00	42.2	0.000
11/11/2024 1:00	10.4	7.42	286	3.85	183	0.00	7.94	2.71	0.595	0.933	-118.41	0.040	0.00	0.00	42.2	0.000
11/11/2024 2:00	9.8	7.24	271	3.89	184	0.00	8.05	2.50	0.595	0.933	-137.46	0.040	0.00	0.00	42.2	0.000
11/11/2024 3:00	8.4	7.39	295	3.89	183	0.00	8.40	2.18	0.595	0.933	-148.98	0.040	0.00	0.00	42.2	0.000
11/11/2024 4:00	7.1	7.11	264	3.84	184	0.00	8.51	1.77	0.595	0.933	-180.61	0.040	0.00	0.00	42.2	0.000
11/11/2024 5:00	7.3	7.09	275	3.81	183	0.00	8.39	1.81	0.595	0.933	-171.19	0.040	0.00	0.00	42.2	0.000
11/11/2024 6:00	6.7	6.97	251	3.73	183	0.00	7.93	1.65	0.595	0.933	-184.84	0.040	0.00	0.00	42.1	0.000
11/11/2024 7:00	7.7	7.44	287	3.74	183	0.00	8.16	2.00	0.595	0.933	-150.94	0.040	0.00	0.00	42.1	0.000
11/11/2024 8:00	15.9	6.81	251	3.71	184	0.00	8.26	3.81	0.595	0.933	-48.67	0.040	0.00	0.00	42.1	0.000
11/11/2024 9:00	19.2	7.05	259	3.70	183	0.00	8.30	4.77	0.595	0.933	12.09	0.040	0.00	0.00	42.1	0.000
11/11/2024 10:00	15.5	6.97	256	3.67	184	0.00	8.04	3.80	0.595	0.933	-45.83	0.040	0.00	0.00	42.1	0.000
11/11/2024 11:00	14.3	7.05	256	3.64	183	0.00	8.46	3.54	0.595	0.933	-58.83	0.040	0.00	0.04	42.1	0.000
11/11/2024 12:00	16.8	7.02	256	3.61	183	0.00	8.55	4.15	0.595	0.933	-19.47	0.040	0.00	0.04	42.1	0.000
11/11/2024 13:00	13.5	6.87	242	3.64	183	0.00	8.61	3.25	0.595	0.933	-79.73	0.040	0.00	0.65	42.1	0.006
11/11/2024 14:00	15.5	6.94	261	3.59	184	0.00	8.59	3.78	0.595	0.933	-39.86	0.040	0.00	0.60	42.0	0.005
11/11/2024 15:00	16.0	6.97	254	3.61	178	0.00	8.01	3.91	0.595	0.933	-34.79	0.040	0.00	0.60	42.0	0.005
11/11/2024 16:00	14.7	7.45	287	3.59	179	0.00	8.07	3.85	0.595	0.933	-33.85	0.040	0.00	0.00	42.0	0.000
11/11/2024 17:00	14.5	7.44	289	3.59	179	0.00	8.39	3.77	0.595	0.933	-58.83	0.040	0.00	0.00	42.0	0.000
11/11/2024 18:00	12.0	7.83	299	3.90	183	0.00	8.37	3.31	0.595	0.933	-84.66	0.040	0.00	0.00	42.0	0.000
11/11/2024 19:00	15.8	7.62	282	4.02	183	0.00	8.49	4.22	0.595	0.933	-43.22	0.040	0.00	0.55	42.0	0.005
11/11/2024 20:00	20.9	7.86	300	4.01	183	0.00	7.92	5.77	0.595	0.933	45.91	0.040	0.00	4.53	42.0	0.007
11/11/2024 21:00	22.1	7.77	289	3.96	188	0.00	8.14	6.04	0.595	0.933	65.13	0.040	0.00	23.75	41.9	0.029
11/11/2024 22:00	20.5	7.78	277	4.03	188	0.00	8.11	5.60	0.595	0.933	35.77	0.040	0.00	5.33	41.9	0.045
11/11/2024 23:00	22.7	7.80	286	4.07	188	0.00	8.07	6.12	0.595	0.933	61.05	0.040	0.00	19.99	41.9	0.119
11/12/2024 0:00	22.7	8.00	300	4.10	188	0.00	8.02	6.38	0.595	0.933	73.37	0.040	0.00	31.99	41.9	0.209
11/12/2024 1:00	22.7	7.80	273	4.09	188	0.00	8.22	6.22	0.595	0.933	68.05	0.040	0.00	26.67	41.9	0.340
11/12/2024 2:00	23.9	7.93	281	4.18	188	0.00	8.18	6.64	0.595	0.933	85.47	0.040	0.00	38.97	41.9	0.334
11/12/2024 3:00	22.9	7.98	293	4.13	188	0.01	8.57	6.42	0.595	0.933	73.36	0.040	0.00	31.98	41.9	0.339
11/12/2024 4:00	25.6	7.94	289	4.20	188	0.00	8.55	7.13	0.595	0.933	110.33	0.040	0.00	68.95	41.9	0.300
11/12/2024 5:00	22.6	7.72	272	4.27	188	0.00	8.17	6.83	0.595	0.933	92.43	0.040	0.00	50.94	41.9	0.385
11/12/2024 6:00	23.6	7.96	297	4.23	188	0.00	8.51	6.59	0.595	0.933	76.08	0.040	0.00	34.70	41.9	0.440
11/12/2024 7:00	24.0	7.82	285	4.34	188	0.00	8.56	6.59	0.595	0.933	70.11	0.040	0.00	28.73	41.9	0.547
11/12/2024 8:00	17.6	7.78	275	4.35	188	0.00	8.46	4.80	0.595	0.933	-33.25	0.040	0.00	55.14	41.9	0.478
11/12/2024 9:00	17.3	7.85	293	4.30	188	0.00	8.27	4.76	0.595	0.933	-30.94	0.040	0.00	37.00	41.9	0.327
11/12/2024 10:00	15.4	7.49	256	4.27	188	0.00	8.20	4.05	0.595	0.933	-74.43	0.040	0.00	9.87	41.9	0.085
11/12/2024 11:00	18.3	7.59	261	4.26	188	0.00	8.38	4.88	0.595	0.933	-23.58	0.040	0.00	0.00	41.9	0.000
11/12/2024 12:00	23.5	7.51	254													

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.
 *For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
11/15/2024 13:00	19.5	7.30	247	4.39	188	0.00	9.06	5.00	0.595	0.933	-26.55	2.500	67.91	76.41	41.5	0.654
11/15/2024 14:00	19.1	7.36	246	4.31	188	0.00	9.49	4.95	0.595	0.933	-23.92	2.500	70.54	78.89	41.6	0.673
11/15/2024 15:00	20.2	7.38	253	4.35	188	0.00	8.93	5.23	0.595	0.933	-9.16	2.500	85.30	83.77	41.6	0.714
11/15/2024 16:00	13.8	7.57	284	4.36	188	0.00	9.51	3.68	0.595	0.933	-98.36	2.500	0.00	0.00	41.6	0.522
11/15/2024 17:00	11.9	7.22	258	4.27	188	0.00	9.54	3.02	0.595	0.933	-146.40	2.500	0.00	0.00	41.6	0.312
11/15/2024 18:00	8.7	7.36	263	4.37	188	0.00	9.48	2.26	0.595	0.933	-189.23	2.500	0.00	0.00	41.6	0.103
11/15/2024 19:00	7.9	7.21	254	4.34	188	0.00	8.94	2.00	0.595	0.933	-206.53	2.500	0.00	0.00	41.5	0.004
11/15/2024 20:00	8.5	7.34	273	4.30	188	0.00	9.29	2.19	0.595	0.933	-184.50	2.500	0.00	0.00	41.5	0.002
11/15/2024 21:00	4.2	7.68	299	4.29	188	0.00	9.51	1.14	0.595	0.933	-232.52	2.500	0.00	0.00	41.5	0.002
11/15/2024 22:00	8.2	7.36	263	4.30	188	0.00	9.49	2.11	0.595	0.933	-193.24	2.500	0.00	0.00	41.5	0.000
11/15/2024 23:00	6.2	7.39	262	4.28	188	0.00	9.53	1.60	0.595	0.933	-222.56	2.500	0.00	0.00	41.5	0.000
11/16/2024 0:00	4.6	7.20	257	4.27	188	0.00	9.54	1.16	0.595	0.933	-251.46	2.500	0.00	0.00	41.5	0.000
11/16/2024 1:00	6.8	7.26	252	4.31	188	0.00	9.56	1.74	0.595	0.933	-221.38	2.500	0.00	0.00	41.5	0.000
11/16/2024 2:00	6.6	7.52	281	4.28	187	0.00	8.84	1.74	0.595	0.933	-206.00	2.500	0.00	0.00	41.5	0.000
11/16/2024 3:00	6.3	7.19	250	4.28	188	0.00	8.87	1.59	0.595	0.933	-229.89	2.500	0.00	0.00	41.4	0.000
11/16/2024 4:00	4.1	7.14	246	4.24	188	0.00	8.83	1.02	0.595	0.933	-264.42	2.500	0.00	0.00	41.4	0.000
11/16/2024 5:00	6.0	7.08	246	4.22	188	0.00	8.79	1.23	0.595	0.933	-233.18	2.500	0.00	0.00	41.4	0.000
11/16/2024 6:00	5.1	7.15	250	4.20	188	0.00	8.77	1.28	0.595	0.933	-242.85	2.500	0.00	0.00	41.4	0.000
11/16/2024 7:00	3.8	7.19	254	4.25	188	0.00	9.55	0.96	0.595	0.933	-263.93	2.500	0.00	0.00	41.4	0.000
11/16/2024 8:00	20.0	7.33	255	4.17	188	0.00	9.53	5.15	0.595	0.933	-0.11	2.500	94.35	17.48	41.4	0.152
11/16/2024 9:00	21.2	7.25	251	4.22	188	0.00	9.10	5.38	0.595	0.933	10.80	2.500	105.26	44.82	41.4	0.391
11/16/2024 10:00	16.6	7.38	253	4.25	187	0.00	9.34	4.31	0.595	0.933	-58.06	2.500	36.40	66.44	41.4	0.563
11/16/2024 11:00	16.4	6.96	230	4.20	188	0.00	8.95	4.01	0.595	0.933	-76.97	2.500	17.48	57.44	41.4	0.488
11/16/2024 12:00	17.6	7.10	241	4.22	188	0.00	9.38	4.39	0.595	0.933	-51.95	2.500	42.51	52.34	41.4	0.436
11/16/2024 13:00	17.9	7.23	247	4.15	188	0.00	9.13	4.54	0.595	0.933	-36.92	2.500	57.54	61.85	41.4	0.526
11/16/2024 14:00	17.9	7.33	259	4.11	188	0.00	9.33	4.60	0.595	0.933	-28.85	2.500	65.60	71.75	41.4	0.609
11/16/2024 15:00	20.1	7.02	245	4.08	188	0.00	9.54	4.95	0.595	0.933	-5.75	2.500	88.70	77.81	41.4	0.671
11/16/2024 16:00	19.4	7.08	241	4.08	187	0.00	9.43	4.82	0.595	0.933	-14.17	2.500	80.29	81.57	41.4	0.696
11/16/2024 17:00	19.0	7.17	257	4.11	188	0.00	9.81	4.80	0.595	0.933	-17.47	2.500	76.99	105.43	41.5	0.910
11/16/2024 18:00	23.0	7.44	282	4.16	188	0.00	6.43	6.00	0.595	0.933	49.64	2.500	144.10	111.81	41.5	0.964
11/16/2024 19:00	20.7	7.31	272	4.12	188	0.00	6.61	5.31	0.595	0.933	13.24	2.500	107.70	116.91	41.5	1.010
11/16/2024 20:00	20.6	7.10	238	4.14	188	0.00	6.74	5.15	0.595	0.933	2.05	2.500	96.50	110.57	41.5	0.945
11/16/2024 21:00	18.7	7.16	246	4.07	188	0.00	5.97	4.69	0.595	0.933	-20.69	2.500	73.76	109.30	41.6	0.945
11/16/2024 22:00	20.3	7.12	248	4.07	188	0.00	5.44	5.08	0.595	0.933	3.65	2.500	98.10	101.97	41.6	0.887
11/16/2024 23:00	17.4	7.05	242	4.08	188	0.00	5.31	4.30	0.595	0.933	-46.18	2.500	48.28	90.12	41.6	0.782
11/17/2024 0:00	21.7	7.01	240	4.09	188	0.00	5.31	4.85	0.595	0.933	-5.84	2.500	87.00	81.68	41.6	0.697
11/17/2024 1:00	21.7	7.01	239	4.11	188	0.00	5.82	5.34	0.584	0.935	21.40	2.500	115.85	86.34	41.6	0.741
11/17/2024 2:00	19.1	6.95	235	4.11	188	0.00	5.51	4.67	0.584	0.935	-21.14	2.500	73.31	93.06	41.6	0.811
11/17/2024 3:00	20.4	7.03	237	4.25	188	0.00	5.41	5.03	0.584	0.935	-8.60	2.500	85.85	91.79	41.6	0.795
11/17/2024 4:00	17.7	7.03	242	4.24	188	0.00	5.01	4.37	0.584	0.935	-49.19	2.500	45.27	74.85	41.6	0.643
11/17/2024 5:00	18.1	6.92	235	4.20	188	0.00	5.69	4.40	0.584	0.935	-44.71	2.500	49.74	60.94	41.7	0.527
11/17/2024 6:00	19.9	6.86	237	4.21	188	0.00	5.39	4.85	0.584	0.935	-50.63	2.500	36.03	61.17	41.7	0.533
11/17/2024 7:00	18.3	6.96	237	4.10	188	0.00	5.77	4.47	0.584	0.935	-32.99	2.500	61.47	77.03	41.7	0.668
11/17/2024 8:00	22.6	7.37	264	4.10	188	0.00	5.58	5.85	0.584	0.935	51.70	2.500	146.16	97.76	41.7	0.892
11/17/2024 9:00	24.9	6.96	243	4.12	188	0.00	5.38	6.10	0.584	0.935	68.45	2.500	162.91	118.44	41.7	0.984
11/17/2024 10:00	23.9	7.03	244	4.10	188	0.00	5.41	5.90	0.584	0.935	57.79	2.500	152.24	104.85	41.7	1.206
11/17/2024 11:00	24.0	7.65	284	4.07	188	0.00	5.41	6.45	0.584	0.935	85.22	2.500	179.68	158.55	41.8	1.360
11/17/2024 12:00	21.3	7.14	246	4.02	188	0.00	5.19	5.34	0.584	0.935	2.10	2.500	123.39	164.37	41.8	1.378
11/17/2024 13:00	26.2	7.24	252	3.94	188	0.00	5.04	6.66	0.584	0.935	114.37	2.500	208.83	186.50	41.9	1.602
11/17/2024 14:00	24.5	7.26	258	3.86	188	0.00	5.79	6.24	0.584	0.935	93.68	2.500	188.14	194.60	41.9	1.662
11/17/2024 15:00	25.0	7.04	247	3.80	188	0.00	5.83	6.19	0.584	0.935	97.34	2.500	191.80	199.14	41.9	1.705
11/17/2024 16:00	24.1	7.52	276	3.84	188	0.00	5.43	6.35	0.584	0.935	97.97	2.500	192.43	175.12	42.0	1.495
11/17/2024 17:00	19.9	7.35	276	3.94	188	0.00	5.34	5.14	0.584	0.935	20.17	2.500	114.63	161.90	42.0	1.412
11/17/2024 18:00	21.3	7.23	267	3.93	188	0.00	5.05	5.40	0.584	0.935	37.27	2.500				

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

†For Hydrobon/Platform fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Oil	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
11/20/2024 20:00	30.7	9.18	385	5.10	191	0.00	7.40	9.89	0.584	0.935	172.63	1.410	16.60	1.12	43.2	0.010
11/20/2024 21:00	22.5	7.83	280	4.73	197	0.00	7.62	6.18	0.584	0.935	24.08	1.410	0.00	1.10	43.2	0.010
11/20/2024 22:00	25.4	8.11	310	4.64	197	0.00	7.76	7.23	0.584	0.935	84.73	1.410	0.00	0.10	43.2	0.001
11/20/2024 23:00	25.6	7.57	274	4.60	197	0.00	7.65	6.82	0.584	0.935	70.49	1.410	0.00	0.10	43.1	0.001
11/21/2024 00:00	21.1	7.35	268	4.56	197	0.00	7.07	5.44	0.584	0.935	-5.84	1.410	0.00	0.00	43.1	0.000
11/21/2024 1:00	14.9	7.20	254	4.64	197	0.00	7.12	3.76	0.584	0.935	-112.36	1.410	0.00	0.00	43.1	0.000
11/21/2024 2:00	14.2	7.47	273	4.68	198	0.00	7.23	3.73	0.584	0.935	-112.82	1.410	0.00	0.00	43.1	0.000
11/21/2024 3:00	14.3	7.61	284	4.62	197	0.00	7.19	3.82	0.584	0.935	-101.40	1.410	0.00	0.00	43.1	0.000
11/21/2024 4:00	11.6	7.55	278	4.68	197	0.00	7.72	3.07	0.584	0.935	-149.89	1.410	0.00	0.00	43.1	0.000
11/21/2024 5:00	16.7	7.68	290	4.75	197	0.00	7.68	4.49	0.584	0.935	-71.02	1.410	0.00	0.00	43.1	0.000
11/21/2024 6:00	9.9	7.21	257	4.62	197	0.00	8.15	2.26	0.584	0.935	-200.62	1.410	0.00	0.00	43.1	0.000
11/21/2024 7:00	15.0	7.12	254	4.58	198	0.00	8.58	3.75	0.584	0.935	-109.48	1.410	0.00	0.00	43.0	0.000
11/21/2024 8:00	24.0	7.30	265	4.71	198	0.00	8.36	6.14	0.584	0.935	24.50	1.410	0.00	0.00	43.0	0.000
11/21/2024 9:00	21.9	7.58	277	4.73	197	0.00	8.13	5.84	0.584	0.935	5.65	1.410	0.00	0.00	43.0	0.000
11/21/2024 10:00	24.3	7.12	255	4.73	197	0.00	8.30	6.08	0.584	0.935	20.27	1.410	0.00	0.00	43.0	0.000
11/21/2024 11:00	21.6	7.14	258	4.71	197	0.00	8.22	5.43	0.584	0.935	-17.36	1.410	0.00	0.00	43.0	0.000
11/21/2024 12:00	21.0	7.10	251	4.70	198	0.00	8.41	6.41	0.584	0.935	28.06	1.410	0.00	0.00	43.0	0.000
11/21/2024 13:00	21.6	7.10	253	4.65	197	0.00	8.60	5.39	0.584	0.935	-15.49	1.410	0.00	0.00	43.0	0.000
11/21/2024 14:00	24.3	7.07	253	4.64	196	0.00	8.42	6.03	0.584	0.935	23.43	1.410	0.00	0.00	43.0	0.000
11/21/2024 15:00	22.3	7.03	254	4.64	197	0.00	8.07	5.50	0.584	0.935	-8.09	1.410	0.00	0.00	42.9	0.000
11/21/2024 16:00	22.6	7.65	284	4.61	197	0.00	8.66	6.06	0.584	0.935	26.00	1.410	0.00	0.00	42.9	0.000
11/21/2024 17:00	21.2	7.34	276	4.62	198	0.00	8.49	5.47	0.584	0.935	-8.45	1.410	0.00	0.00	42.9	0.000
11/21/2024 18:00	23.6	7.31	271	4.66	198	0.00	7.38	6.06	0.584	0.935	22.46	1.410	0.00	0.00	42.9	0.000
11/21/2024 19:00	23.9	7.40	276	4.51	197	0.00	5.82	6.22	0.584	0.935	41.78	1.410	0.00	0.00	42.9	0.000
11/21/2024 20:00	24.6	7.27	252	4.53	198	0.00	5.03	6.28	0.584	0.935	46.91	1.410	0.00	0.00	42.9	0.000
11/21/2024 21:00	24.6	7.35	263	4.34	197	0.00	5.91	6.35	0.584	0.935	62.97	1.410	0.00	0.00	42.9	0.000
11/21/2024 22:00	20.9	7.38	250	4.64	198	0.00	5.32	5.41	0.584	0.935	-13.42	1.410	0.00	0.00	42.9	0.000
11/21/2024 23:00	23.6	7.06	253	4.60	197	0.00	5.16	5.86	0.584	0.935	16.06	1.410	0.00	0.00	42.8	0.000
11/22/2024 00:00	22.6	6.92	248	4.58	198	0.00	5.81	5.50	0.584	0.935	-3.77	1.410	0.00	0.00	42.8	0.000
11/22/2024 1:00	23.7	7.10	255	4.51	198	0.00	5.14	5.90	0.584	0.935	25.04	1.410	0.00	0.00	42.8	0.000
11/22/2024 2:00	24.7	7.30	269	4.55	197	0.00	5.22	6.33	0.584	0.935	46.20	1.410	0.00	0.00	42.8	0.000
11/22/2024 3:00	25.7	7.04	255	4.62	198	0.00	5.89	6.35	0.584	0.935	43.83	1.410	0.00	0.00	42.8	0.000
11/22/2024 4:00	27.4	7.37	284	4.70	197	0.00	5.52	7.10	0.584	0.935	77.36	1.410	0.00	0.00	42.8	0.000
11/22/2024 5:00	25.0	6.99	253	4.75	197	0.00	4.95	6.14	0.584	0.935	21.83	1.900	0.00	0.24	42.8	0.002
11/22/2024 6:00	24.0	7.04	251	4.76	198	0.00	7.26	5.94	0.584	0.935	9.15	1.900	0.00	0.42	42.8	0.004
11/22/2024 7:00	25.0	7.56	297	4.78	197	0.00	8.17	6.64	0.584	0.935	46.64	1.900	0.00	3.91	42.7	0.036
11/22/2024 8:00	22.0	7.14	252	4.77	198	0.00	8.85	5.51	0.584	0.935	-17.80	1.900	0.00	3.68	42.7	0.034
11/22/2024 9:00	20.6	7.38	279	4.77	197	0.00	8.78	5.34	0.584	0.935	-26.04	1.900	0.00	3.50	42.7	0.032
11/22/2024 10:00	20.6	7.22	270	4.79	197	0.00	9.39	5.23	0.584	0.935	-34.55	1.900	0.00	0.00	42.7	0.000
11/22/2024 11:00	21.3	7.16	263	4.80	198	0.00	11.23	5.36	0.584	0.935	-28.22	1.900	0.00	0.00	42.7	0.000
11/22/2024 12:00	20.0	7.34	272	4.76	197	0.00	10.63	5.14	0.584	0.935	-37.28	1.900	0.00	0.00	42.7	0.000
11/22/2024 13:00	19.3	7.46	290	4.66	197	0.00	10.35	5.11	0.584	0.935	-39.11	1.900	0.00	0.00	42.7	0.000
11/22/2024 14:00	15.5	7.28	263	4.73	198	0.00	9.89	3.97	0.584	0.935	-105.61	1.900	0.00	0.24	42.7	0.002
11/22/2024 15:00	13.5	7.37	276	4.74	198	0.00	10.38	3.48	0.584	0.935	-130.76	1.900	0.00	0.24	42.7	0.002
11/22/2024 16:00	16.8	7.63	300	4.76	197	0.00	9.07	4.51	0.584	0.935	-69.93	1.900	0.00	0.00	42.6	0.000
11/22/2024 17:00	15.4	7.59	297	4.80	197	0.00	9.21	4.11	0.584	0.935	-94.43	1.900	0.00	0.00	42.6	0.000
11/22/2024 18:00	16.5	7.69	293	4.75	197	0.00	8.84	4.44	0.584	0.935	-73.82	1.900	0.00	0.00	42.6	0.000
11/22/2024 19:00	17.1	7.74	297	4.77	198	0.00	9.13	4.65	0.584	0.935	-65.95	1.900	0.00	0.00	42.6	0.000
11/22/2024 20:00	16.4	7.57	262	4.78	197	0.00	8.85	4.37	0.584	0.935	-85.41	1.900	0.00	0.00	42.6	0.000
11/22/2024 21:00	22.2	7.15	269	4.73	197	0.00	8.88	5.58	0.584	0.935	-9.61	1.900	0.00	0.00	42.6	0.000
11/22/2024 22:00	21.6	7.51	269	4.70	197	0.00	7.91	5.68	0.584	0.935	-1.72	1.900	0.00	0.00	42.6	0.000
11/22/2024 23:00	17.8	7.34	256	4.69	198	0.00	8.56	4.59	0.584	0.935	-66.57	1.900	0.00	0.00	42.6	0.000
11/23/2024 0:00	17.4	7.48	253	4.76	197	0.00	7.58	4.58	0.584	0.935	-72.29	1.900	0.00	0.00	42.5	0.000
11/23/2024 1:00	18.1	7.47	252	4.79	197	0.00	7.49	4.75	0.584	0.935	-64.41	1.900	0.00	0.00	42.5	0.000
11/23/2024 2:00	18.1	7.46	25													

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
11/26/2024 3:00	31.9	7.53	267	4.08	198	0.00	9.03	8.45	0.584	0.935	204.11	0.100	61.62	131.09	42.7	1.257
11/26/2024 4:00	29.2	7.58	262	4.21	197	0.00	9.43	7.78	0.584	0.935	157.51	0.100	15.02	91.63	42.7	0.867
11/26/2024 5:00	30.7	7.61	276	4.19	197	0.00	10.18	8.21	0.584	0.935	179.39	0.100	36.89	51.20	42.7	0.496
11/26/2024 6:00	27.9	7.79	275	4.17	198	0.00	10.38	7.63	0.584	0.935	147.16	0.100	4.66	21.16	42.7	0.267
11/26/2024 7:00	17.4	7.69	280	4.11	197	0.00	10.32	4.59	0.584	0.935	-23.75	0.100	0.00	6.77	42.7	0.065
11/26/2024 8:00	18.4	7.93	296	4.08	198	0.00	8.88	5.13	0.584	0.935	9.30	0.100	0.00	1.42	42.7	0.014
11/26/2024 9:00	15.0	7.48	274	4.03	197	0.00	9.29	3.94	0.584	0.935	-55.26	0.100	0.00	0.46	42.7	0.004
11/26/2024 10:00	16.7	7.70	286	3.95	197	0.00	8.98	4.51	0.584	0.935	-16.28	0.100	0.00	0.00	42.6	0.000
11/26/2024 11:00	15.7	8.09	311	3.95	197	0.00	9.42	4.45	0.584	0.935	-19.00	0.100	0.00	0.00	42.6	0.000
11/26/2024 12:00	13.6	7.99	302	4.00	198	0.00	9.11	3.62	0.584	0.935	-56.29	0.100	0.00	0.00	42.6	0.000
11/26/2024 13:00	16.7	7.74	294	4.00	198	0.00	8.73	4.53	0.584	0.935	-16.22	0.100	0.00	0.00	42.6	0.000
11/26/2024 14:00	18.1	7.59	276	4.00	197	0.00	9.14	4.81	0.584	0.935	-2.68	0.100	0.00	0.00	42.6	0.000
11/26/2024 15:00	15.6	7.81	288	3.99	197	0.00	9.55	4.29	0.584	0.935	-31.38	0.100	0.00	0.00	42.6	0.000
11/26/2024 16:00	15.6	7.71	288	4.01	198	0.00	9.19	4.23	0.584	0.935	-36.15	0.100	0.00	0.00	42.6	0.000
11/26/2024 17:00	14.9	7.95	300	4.06	197	0.00	9.38	4.17	0.584	0.935	-41.97	0.100	0.00	0.00	42.6	0.000
11/26/2024 18:00	18.7	7.58	271	4.04	197	0.00	9.54	4.96	0.584	0.935	3.15	0.100	0.00	0.00	42.6	0.000
11/26/2024 19:00	20.0	7.68	277	4.00	197	0.00	9.30	5.40	0.584	0.935	28.18	0.100	0.00	0.32	42.5	0.003
11/26/2024 20:00	18.7	7.90	289	4.10	197	0.00	9.38	5.18	0.584	0.935	10.91	0.100	0.00	0.32	42.5	0.003
11/26/2024 21:00	21.4	7.40	269	4.10	198	0.00	9.05	5.58	0.584	0.935	34.42	0.100	0.00	0.32	42.5	0.003
11/26/2024 22:00	21.3	7.49	272	4.10	197	0.00	8.85	5.61	0.584	0.935	36.46	0.100	0.00	0.00	42.5	0.000
11/26/2024 23:00	22.0	7.43	268	4.10	197	0.00	9.38	5.74	0.584	0.935	44.48	0.100	0.00	0.00	42.5	0.000
11/27/2024 0:00	22.3	7.40	261	4.12	197	0.00	9.23	5.80	0.584	0.935	46.96	0.100	0.00	0.00	42.5	0.000
11/27/2024 1:00	22.0	7.77	286	4.29	197	0.00	9.46	4.95	0.584	0.935	41.27	0.100	0.00	0.47	42.5	0.005
11/27/2024 2:00	20.6	7.42	272	4.26	198	0.00	9.45	5.37	0.584	0.935	11.30	0.100	0.00	0.47	42.5	0.005
11/27/2024 3:00	20.9	7.87	291	4.21	197	0.00	9.21	5.78	0.584	0.935	36.57	0.100	0.00	0.47	42.4	0.005
11/27/2024 4:00	22.2	7.51	271	4.24	198	0.00	8.92	5.86	0.584	0.935	40.75	0.100	0.00	0.00	42.4	0.000
11/27/2024 5:00	23.2	8.11	313	4.22	197	0.00	8.83	6.61	0.584	0.935	78.71	3.600	9.95	0.43	42.4	0.004
11/27/2024 6:00	21.9	8.15	325	4.26	197	0.00	8.45	6.26	0.584	0.935	56.37	3.600	0.00	1.27	42.4	0.012
11/27/2024 7:00	21.5	7.52	260	4.19	197	0.00	9.52	5.68	0.584	0.935	34.33	3.600	0.00	11.20	42.4	0.109
11/27/2024 8:00	21.7	7.51	267	4.15	197	0.00	9.19	5.74	0.584	0.935	40.64	3.600	0.00	10.85	42.4	0.106
11/27/2024 9:00	19.7	7.37	260	4.13	197	0.00	8.89	5.10	0.584	0.935	4.67	3.600	0.00	10.31	42.4	0.100
11/27/2024 10:00	21.0	7.70	280	4.20	197	0.00	8.73	5.68	0.584	0.935	32.96	3.600	0.00	0.60	42.4	0.006
11/27/2024 11:00	19.4	7.49	268	4.21	197	0.00	9.54	5.10	0.584	0.935	-1.43	3.600	0.00	0.52	42.4	0.005
11/27/2024 12:00	17.4	7.57	269	4.17	197	0.00	9.13	4.62	0.584	0.935	-26.12	3.600	0.00	0.22	42.3	0.002
11/27/2024 13:00	18.1	7.41	263	4.15	198	0.00	9.05	4.72	0.584	0.935	-19.13	3.600	0.00	3.45	42.3	0.033
11/27/2024 14:00	21.8	7.41	262	4.22	197	0.00	9.17	4.63	0.584	0.935	-20.43	3.600	0.00	3.45	42.3	0.033
11/27/2024 15:00	18.5	7.55	276	4.17	198	0.00	8.74	4.91	0.584	0.935	-9.34	3.600	0.00	3.45	42.3	0.033
11/27/2024 16:00	18.1	7.58	263	4.15	198	0.00	9.42	4.81	0.584	0.935	-13.56	3.600	0.00	0.00	42.3	0.000
11/27/2024 17:00	18.7	7.56	273	4.18	197	0.00	9.49	4.97	0.584	0.935	-6.47	3.600	0.00	0.00	42.3	0.000
11/27/2024 18:00	19.1	7.78	286	4.15	197	0.00	9.45	5.22	0.584	0.935	10.02	3.600	0.00	0.00	42.3	0.000
11/27/2024 19:00	18.4	7.44	271	4.15	197	0.00	9.49	4.42	0.584	0.935	-13.52	3.600	0.00	2.83	42.3	0.027
11/27/2024 20:00	17.4	7.67	289	4.23	197	0.00	9.40	4.68	0.584	0.935	-22.83	3.600	0.00	2.83	42.3	0.023
11/27/2024 21:00	14.4	7.36	255	4.22	197	0.00	9.10	3.73	0.584	0.935	-84.41	3.600	0.00	2.83	42.2	0.027
11/27/2024 22:00	18.4	7.34	257	4.19	198	0.00	9.33	4.75	0.584	0.935	-21.10	3.600	0.00	0.00	42.2	0.000
11/27/2024 23:00	19.8	7.69	275	4.08	197	0.00	9.53	5.34	0.584	0.935	21.88	3.600	0.00	0.00	42.2	0.000
11/28/2024 0:00	15.4	7.73	283	4.13	197	0.00	8.90	4.41	0.584	0.935	-47.26	3.600	0.00	0.13	42.2	0.001
11/28/2024 1:00	20.4	7.34	262	4.17	198	0.00	9.00	5.27	0.584	0.935	11.99	3.600	0.00	0.54	42.2	0.005
11/28/2024 2:00	35.6	7.46	290	4.06	197	0.00	9.45	5.45	0.584	0.935	249.59	3.600	0.00	0.22	42.2	0.203
11/28/2024 3:00	36.9	7.65	287	4.19	198	0.00	8.81	9.92	0.584	0.935	270.32	3.600	0.00	95.23	42.2	0.925
11/28/2024 4:00	35.2	7.56	280	4.20	197	0.00	9.19	9.35	0.584	0.935	241.60	3.600	0.00	172.85	42.2	1.514
11/28/2024 5:00	35.1	7.38	262	4.24	197	0.00	9.49	9.10	0.584	0.935	233.74	3.600	0.00	164.98	42.3	1.890
11/28/2024 6:00	36.5	7.45	265	4.29	198	0.00	9.00	9.56	0.584	0.935	254.83	3.600	0.00	184.25	42.3	1.773
11/28/2024 7:00	36.4	7.54	272	4.27	198	0.00	10.56	9.65	0.584	0.935	258.07	3.600	0.00	189.31	42.4	1.878
11/28/2024 8:00	21.4	7.54	280	4.30	198	0.00	11.98	5.66	0.584	0.935	24.50	3.600	0.00	160.27	42.4	

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/1/2024 10:00	14.1	7.09	229	4.12	211	0.00	11.98	3.52	0.584	0.935	-92.51	0.470	0.00	37.05	42.5	0.360
12/1/2024 11:00	15.8	7.55	255	4.09	207	0.00	11.96	4.19	0.584	0.935	-46.56	0.470	0.00	16.88	42.5	0.162
12/1/2024 12:00	14.2	7.34	245	4.05	207	0.00	11.88	3.65	0.584	0.935	-77.42	0.470	0.00	11.89	42.5	0.114
12/1/2024 13:00	17.9	7.22	237	4.00	206	0.00	11.91	4.52	0.584	0.935	-21.05	0.470	19.61	12.14	42.5	0.117
12/1/2024 14:00	15.6	7.21	240	3.98	207	0.00	11.89	3.94	0.584	0.935	-54.82	0.470	0.00	11.10	42.5	0.103
12/1/2024 15:00	16.3	7.31	239	3.92	206	0.00	11.92	4.18	0.584	0.935	-35.91	0.470	4.76	8.01	42.5	0.077
12/1/2024 16:00	15.0	7.32	244	3.97	206	0.00	11.93	3.85	0.584	0.935	-59.40	0.470	0.00	2.32	42.5	0.022
12/1/2024 17:00	17.0	7.62	265	3.95	207	0.00	11.93	4.54	0.584	0.935	-15.21	0.470	25.46	1.83	42.5	0.018
12/1/2024 18:00	15.3	7.51	251	3.98	206	0.00	10.93	4.04	0.584	0.935	-47.19	0.470	0.00	2.76	42.5	0.026
12/1/2024 19:00	13.4	7.21	238	4.02	207	0.00	11.08	3.38	0.584	0.935	-92.47	0.470	0.00	10.52	42.5	0.101
12/1/2024 20:00	14.3	7.30	244	3.97	206	0.00	11.00	3.63	0.584	0.935	-72.56	0.470	0.00	11.41	42.5	0.109
12/1/2024 21:00	14.7	7.53	255	4.02	206	0.00	10.93	3.87	0.584	0.935	-60.12	0.470	0.00	14.45	42.4	0.140
12/1/2024 22:00	15.3	7.51	256	4.02	207	0.00	10.99	4.04	0.584	0.935	-49.73	0.470	0.00	14.07	42.4	0.137
12/1/2024 23:00	16.6	7.76	270	3.99	207	0.00	11.04	4.53	0.584	0.935	-18.54	0.470	22.12	20.01	42.4	0.193
12/2/2024 0:00	18.6	7.47	252	3.98	207	0.00	11.09	4.87	0.582	0.938	1.67	0.470	42.34	19.48	42.4	0.188
12/2/2024 1:00	15.9	7.96	288	4.08	207	0.00	11.06	4.46	0.582	0.938	-27.87	0.470	12.79	32.57	42.4	0.315
12/2/2024 2:00	21.7	8.01	285	4.10	207	0.00	11.07	6.14	0.582	0.938	63.89	0.470	104.55	47.62	42.4	0.459
12/2/2024 3:00	23.6	7.87	278	4.14	207	0.00	10.94	6.51	0.582	0.938	83.23	0.470	123.90	72.40	42.4	0.698
12/2/2024 4:00	23.2	7.35	246	4.17	206	0.00	11.03	5.98	0.582	0.938	54.48	0.470	95.14	80.30	42.4	0.774
12/2/2024 5:00	22.9	7.51	253	4.25	207	0.00	11.06	6.03	0.582	0.938	51.12	0.130	0.00	77.53	42.5	0.754
12/2/2024 6:00	22.4	7.42	252	4.27	201	0.00	10.95	5.82	0.582	0.938	38.23	0.130	0.00	48.81	42.5	0.472
12/2/2024 7:00	23.2	7.90	280	4.30	202	0.00	11.36	6.43	0.582	0.938	68.29	0.130	0.00	23.13	42.4	0.224
12/2/2024 8:00	17.7	7.78	274	4.30	202	0.00	10.97	7.43	0.582	0.938	-22.98	0.130	0.00	4.70	42.4	0.046
12/2/2024 9:00	18.0	8.08	305	4.28	203	0.00	10.98	5.12	0.582	0.938	-4.21	0.130	0.00	4.46	42.4	0.046
12/2/2024 10:00	12.9	6.80	215	4.37	202	0.00	11.00	3.09	0.582	0.938	-145.65	0.130	0.00	1.02	42.4	0.010
12/2/2024 11:00	9.4	7.15	231	4.32	202	0.00	10.64	2.35	0.582	0.938	-182.79	0.130	0.00	0.00	42.4	0.000
12/2/2024 12:00	10.7	7.06	228	4.32	201	0.00	11.11	2.65	0.582	0.938	-166.27	0.130	0.00	0.00	42.4	0.000
12/2/2024 13:00	17.3	7.23	233	4.33	201	0.00	11.33	4.39	0.582	0.938	-54.88	0.130	0.00	0.00	42.4	0.000
12/2/2024 14:00	20.0	7.34	236	4.32	202	0.00	11.04	5.15	0.582	0.938	6.63	0.130	0.00	0.12	42.4	0.001
12/2/2024 15:00	18.8	7.12	232	4.27	202	0.00	10.55	4.69	0.582	0.938	-31.32	0.130	0.00	0.39	42.4	0.004
12/2/2024 16:00	13.2	7.27	243	4.32	201	0.00	10.51	3.37	0.582	0.938	-115.06	0.130	0.00	0.00	42.3	0.004
12/2/2024 17:00	13.6	7.72	268	4.24	202	0.00	10.84	3.67	0.582	0.938	-86.39	0.130	0.00	0.27	42.3	0.003
12/2/2024 18:00	11.6	7.70	270	4.26	201	0.00	11.02	3.13	0.582	0.938	-118.16	0.130	0.00	0.00	42.3	0.000
12/2/2024 19:00	20.2	7.38	240	4.29	201	0.00	10.92	5.24	0.582	0.938	1.60	0.130	0.00	0.00	42.3	0.000
12/2/2024 20:00	15.9	7.86	276	4.31	202	0.00	10.94	4.40	0.582	0.938	-48.08	0.130	0.00	0.00	42.3	0.000
12/2/2024 21:00	15.6	7.56	257	4.25	202	0.00	11.07	3.88	0.582	0.938	-13.82	0.130	0.00	0.00	42.3	0.000
12/2/2024 22:00	12.9	8.04	329	4.25	202	0.00	11.17	3.64	0.582	0.938	-78.18	0.130	0.00	0.00	42.3	0.000
12/2/2024 23:00	13.4	8.04	315	4.21	202	0.00	10.93	3.78	0.582	0.938	-70.81	0.130	0.00	0.00	42.3	0.000
12/3/2024 0:00	11.7	7.83	290	4.25	202	0.00	11.01	3.22	0.582	0.938	-107.75	0.130	0.00	0.00	42.3	0.000
12/3/2024 1:00	20.5	7.85	279	4.41	202	0.00	10.95	5.65	0.582	0.938	16.73	0.130	0.00	0.00	42.2	0.000
12/3/2024 2:00	25.3	7.56	259	4.36	202	0.00	11.12	6.72	0.582	0.938	84.34	0.130	9.81	2.18	42.2	0.021
12/3/2024 3:00	27.2	7.89	277	4.29	201	0.00	11.27	7.45	0.582	0.938	128.76	0.130	54.23	10.39	42.2	0.039
12/3/2024 4:00	28.2	7.57	263	4.27	202	0.00	11.00	7.49	0.582	0.938	134.82	0.130	60.29	27.52	42.2	0.266
12/3/2024 5:00	31.9	7.72	276	4.28	201	0.00	11.09	8.64	0.582	0.938	195.81	0.130	121.27	50.12	42.2	0.482
12/3/2024 6:00	27.2	7.94	283	4.30	202	0.00	11.09	7.60	0.582	0.938	132.81	0.130	58.28	64.46	42.2	0.611
12/3/2024 7:00	27.2	7.89	278	4.29	202	0.00	12.81	7.54	0.582	0.938	132.19	0.130	57.65	68.38	42.2	0.643
12/3/2024 8:00	15.1	8.51	312	4.27	201	0.00	12.80	4.53	0.582	0.938	-35.49	0.130	0.00	52.23	42.2	0.495
12/3/2024 9:00	8.6	8.06	288	4.28	202	0.00	14.80	4.38	0.582	0.938	-43.89	0.130	0.00	29.69	42.2	0.289
12/3/2024 10:00	17.2	7.95	268	4.35	202	0.00	12.81	4.80	0.582	0.938	-28.43	0.130	0.00	8.64	42.2	0.080
12/3/2024 11:00	11.0	7.68	253	4.35	202	0.00	12.89	2.97	0.582	0.938	-139.75	0.130	0.00	0.00	42.2	0.000
12/3/2024 12:00	15.0	7.68	252	4.25	202	0.00	12.41	4.05	0.582	0.938	-67.44	0.130	0.00	0.00	42.2	0.000
12/3/2024 13:00	16.8	7.84	263	4.33	202	0.00	12.74	4.63	0.582	0.938	-37.64	0.130	0.00	0.69	42.2	0.006
12/3/2024 14:00	12.6	7.38	243	4.22	202	0.00	12.78	3.27	0.582	0.938	-114.64	0.130	0.00	0.69	42.2	0.006
12/3/2024 15:00	15.0	7.93	282	4.22	202	0.00	12.91	4.18	0.582	0.938	-53.41	0.130	0.00	0.69		

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/6/2024 17:00	24.1	8.28	285	4.35	211	0.00	10.34	7.02	0.582	0.938	94.46	0.030	0.00	0.00	43.5	0.000
12/6/2024 18:00	20.5	8.11	266	4.37	211	0.00	7.71	5.84	0.582	0.938	29.58	0.030	0.00	0.00	43.5	0.000
12/6/2024 19:00	25.2	8.51	301	4.36	211	0.00	6.92	7.53	0.582	0.938	117.02	0.030	0.00	0.00	43.5	0.001
12/6/2024 20:00	23.9	8.40	295	4.39	211	0.00	7.22	7.05	0.582	0.938	91.26	0.030	0.00	0.00	43.5	0.001
12/6/2024 21:00	24.2	8.35	290	4.34	211	0.00	7.05	7.11	0.582	0.938	98.89	0.030	0.00	0.00	43.4	0.001
12/6/2024 22:00	24.0	8.62	305	4.44	211	0.00	7.27	7.26	0.582	0.938	97.27	0.030	0.00	0.00	43.4	0.000
12/6/2024 23:00	23.1	8.47	299	4.44	211	0.00	7.05	6.86	0.582	0.938	77.83	0.030	0.00	0.00	43.4	0.000
12/7/2024 0:00	22.0	8.16	269	4.44	211	0.00	7.01	6.31	0.582	0.938	51.18	0.030	0.00	0.00	43.4	0.000
12/7/2024 1:00	23.6	8.34	281	4.49	211	0.00	7.28	6.92	0.582	0.938	80.03	0.030	0.00	0.19	43.4	0.002
12/7/2024 2:00	21.6	8.45	289	4.50	210	0.00	7.72	6.42	0.582	0.938	51.05	0.030	0.00	0.19	43.4	0.002
12/7/2024 3:00	20.3	8.11	273	4.49	211	0.00	7.68	5.77	0.582	0.938	17.09	0.030	0.00	0.19	43.4	0.003
12/7/2024 4:00	21.9	8.22	282	4.47	211	0.00	9.14	6.33	0.582	0.938	48.86	0.030	0.00	0.00	43.4	0.000
12/7/2024 5:00	21.0	8.00	254	4.48	211	0.00	9.33	5.89	0.582	0.938	25.60	0.030	0.00	0.00	43.4	0.000
12/7/2024 6:00	26.3	8.54	301	4.52	211	0.00	9.39	7.89	0.582	0.938	126.80	0.030	0.00	0.00	43.3	0.000
12/7/2024 7:00	20.0	8.71	305	4.51	211	0.00	8.91	6.11	0.582	0.938	32.46	0.030	0.00	0.00	43.3	0.004
12/7/2024 8:00	19.6	8.44	292	4.53	211	0.00	8.81	5.83	0.582	0.938	16.55	0.030	0.00	0.49	43.3	0.004
12/7/2024 9:00	15.7	8.51	298	4.48	210	0.00	8.86	4.72	0.582	0.938	-36.49	0.030	0.00	0.49	43.3	0.004
12/7/2024 10:00	17.0	8.36	288	4.43	211	0.00	9.51	5.00	0.582	0.938	-20.60	0.030	0.00	0.00	43.3	0.000
12/7/2024 11:00	15.6	7.99	263	4.38	211	0.00	8.76	4.38	0.582	0.938	-53.75	0.030	0.00	0.00	43.3	0.000
12/7/2024 12:00	18.8	7.72	244	4.44	211	0.00	8.92	5.10	0.582	0.938	-18.15	0.030	0.00	0.00	43.3	0.000
12/7/2024 13:00	18.9	7.62	244	4.42	211	0.01	8.96	5.06	0.582	0.938	-19.80	0.030	0.00	0.00	43.3	0.000
12/7/2024 14:00	17.2	7.93	258	4.45	211	0.00	9.47	4.80	0.582	0.938	-35.50	0.030	0.00	0.00	43.3	0.000
12/7/2024 15:00	17.3	8.05	267	4.40	210	0.00	9.48	4.88	0.582	0.938	-26.77	0.030	0.00	0.00	43.2	0.000
12/7/2024 16:00	15.9	7.93	259	4.41	211	0.00	9.36	4.43	0.582	0.938	-53.44	0.030	0.00	0.00	43.2	0.000
12/7/2024 17:00	15.7	8.20	275	4.41	211	0.00	8.87	4.52	0.582	0.938	-47.11	0.030	0.00	0.00	43.2	0.000
12/7/2024 18:00	14.8	8.65	303	4.40	211	0.00	10.91	4.48	0.582	0.938	-45.86	0.030	0.00	0.00	43.2	0.000
12/7/2024 19:00	14.8	8.05	275	4.41	211	0.00	11.28	4.19	0.582	0.938	-65.66	0.030	0.00	0.00	43.2	0.000
12/7/2024 20:00	15.6	8.04	280	4.46	211	0.00	11.30	4.41	0.582	0.938	-56.68	0.030	0.00	0.00	43.2	0.000
12/7/2024 21:00	16.0	8.32	319	4.44	211	0.00	11.18	4.68	0.582	0.938	-36.99	0.030	0.00	0.00	43.2	0.000
12/7/2024 22:00	17.2	8.21	302	4.44	211	0.00	11.16	4.95	0.582	0.938	-24.06	0.030	0.00	0.00	43.2	0.000
12/7/2024 23:00	12.8	7.80	280	4.35	211	0.00	11.03	3.51	0.582	0.938	-98.94	0.030	0.00	0.00	43.2	0.000
12/8/2024 0:00	12.2	8.07	294	4.33	211	0.00	11.20	3.45	0.582	0.938	-97.91	0.030	0.00	0.00	43.1	0.000
12/8/2024 1:00	12.7	8.51	322	4.35	210	0.00	10.87	3.78	0.582	0.938	-76.92	0.030	0.00	0.00	43.1	0.000
12/8/2024 2:00	8.9	8.46	307	4.34	211	0.00	11.06	2.66	0.582	0.938	-138.23	0.030	0.00	0.00	43.1	0.000
12/8/2024 3:00	7.0	8.37	308	4.35	211	0.00	11.05	2.04	0.582	0.938	-170.05	0.030	0.00	0.00	43.1	0.000
12/8/2024 4:00	10.4	8.01	277	4.46	211	0.00	10.62	2.94	0.582	0.938	-138.62	0.030	0.00	0.00	43.1	0.000
12/8/2024 5:00	11.5	8.28	319	4.40	211	0.00	11.20	3.35	0.582	0.938	-103.04	0.030	0.00	0.00	43.1	0.000
12/8/2024 6:00	9.6	8.35	299	4.50	211	0.00	11.05	2.81	0.582	0.938	-141.71	0.030	0.00	0.00	43.1	0.000
12/8/2024 7:00	10.1	8.39	305	4.50	211	0.00	10.60	2.99	0.582	0.938	-131.02	0.030	0.00	0.00	43.1	0.000
12/8/2024 8:00	15.8	7.91	265	4.43	211	0.00	11.12	4.40	0.582	0.938	-56.32	0.030	0.00	0.00	43.1	0.000
12/8/2024 9:00	16.9	7.92	277	4.33	211	0.00	11.10	4.70	0.582	0.938	-31.88	0.030	0.00	0.00	43.0	0.000
12/8/2024 10:00	17.3	7.77	263	4.36	211	0.00	11.08	4.71	0.582	0.938	-30.64	0.030	0.00	0.00	43.0	0.000
12/8/2024 11:00	15.5	7.77	263	4.35	212	0.00	11.34	4.24	0.582	0.938	-60.82	0.030	0.00	0.00	43.0	0.000
12/8/2024 12:00	14.9	8.30	308	4.35	211	0.00	10.89	4.35	0.582	0.938	-49.63	0.030	0.00	0.00	43.0	0.000
12/8/2024 13:00	13.5	8.31	315	4.29	211	0.00	10.97	3.93	0.582	0.938	-65.98	0.030	0.00	0.00	43.0	0.000
12/8/2024 14:00	15.2	7.97	282	4.29	211	0.00	11.00	4.24	0.582	0.938	-54.21	0.030	0.00	0.00	43.0	0.000
12/8/2024 15:00	9.8	7.75	257	4.35	210	0.00	10.70	2.66	0.582	0.938	-153.23	0.030	0.00	0.00	43.0	0.000
12/8/2024 16:00	9.7	7.98	277	4.36	210	0.00	10.69	4.58	0.582	0.938	-45.59	0.030	0.00	0.00	43.0	0.000
12/8/2024 17:00	16.2	8.14	289	4.41	211	0.00	11.17	4.62	0.582	0.938	-40.29	0.030	0.00	0.00	43.0	0.000
12/8/2024 18:00	16.6	7.85	265	4.42	211	0.00	11.18	4.58	0.582	0.938	-45.35	0.030	0.00	0.00	42.9	0.000
12/8/2024 19:00	16.7	7.95	271	4.35	211	0.00	10.70	4.65	0.582	0.938	-35.77	0.030	0.00	0.00	42.9	0.000
12/8/2024 20:00	9.5	7.85	273	4.30	210	0.00	10.57	2.62	0.582	0.938	-147.14	0.030	0.00	0.00	42.9	0.000
12/8/2024 21:00	15.5	7.80	276	4.27	211	0.00	11.34	4.26	0.582	0.938	-52.65	0.030	0.00	0.00	42.9	0.000
12/8/2024 22:00	11.7	8.18	295	4.26	211	0.00	10.80	3.37	0.582	0.938	-96.82	0.030	0.00	0.00	42.9	0.000

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/12/2024 0:00	19.1	8.02	289	4.27	206	0.00	8.93	5.37	0.582	0.938	9.69	0.010	0.00	0.10	42.2	0.001
12/12/2024 1:00	20.9	8.28	300	4.26	206	0.00	9.57	6.06	0.582	0.938	47.74	0.010	0.00	4.94	42.2	0.045
12/12/2024 2:00	24.5	8.21	308	4.18	207	0.00	9.49	7.06	0.582	0.938	103.98	0.010	13.56	6.36	42.2	0.058
12/12/2024 3:00	21.6	8.44	320	4.18	206	0.00	9.22	6.40	0.582	0.938	67.97	0.010	0.00	7.40	42.2	0.067
12/12/2024 4:00	23.0	8.08	313	4.18	206	0.00	9.15	6.52	0.582	0.938	75.40	0.010	0.00	3.65	42.1	0.034
12/12/2024 5:00	23.7	8.74	350	4.22	206	0.00	9.36	7.27	0.582	0.938	104.28	0.010	13.87	2.97	42.1	0.028
12/12/2024 6:00	25.8	8.50	327	4.20	206	0.00	8.82	7.71	0.582	0.938	131.50	0.010	41.09	3.45	42.1	0.032
12/12/2024 7:00	26.2	8.32	328	4.20	207	0.00	8.91	7.64	0.582	0.938	128.95	0.010	38.53	16.27	42.1	0.154
12/12/2024 8:00	17.0	9.11	371	4.22	206	0.00	11.93	5.44	0.582	0.938	14.46	0.010	0.00	18.67	42.1	0.176
12/12/2024 9:00	17.7	8.77	361	4.18	207	0.00	11.89	5.45	0.582	0.938	17.42	0.010	0.00	17.05	42.1	0.163
12/12/2024 10:00	18.2	8.09	301	4.22	208	0.00	11.81	5.16	0.582	0.938	1.62	0.010	0.00	3.14	42.1	0.030
12/12/2024 11:00	14.5	8.11	304	4.15	207	0.00	7.23	4.14	0.582	0.938	-48.21	0.010	0.00	0.00	42.1	0.000
12/12/2024 12:00	19.9	8.36	312	4.23	206	0.00	6.90	5.85	0.582	0.938	37.22	0.010	0.00	0.00	42.1	0.000
12/12/2024 13:00	20.4	8.18	316	4.24	207	0.00	7.02	5.85	0.582	0.938	35.63	0.010	0.00	4.38	42.1	0.042
12/12/2024 14:00	21.3	8.23	334	4.29	207	0.00	7.21	6.16	0.582	0.938	46.82	0.010	0.00	4.72	42.1	0.045
12/12/2024 15:00	21.6	8.34	326	4.29	207	0.00	7.52	6.32	0.582	0.938	56.10	0.010	0.00	4.80	42.0	0.045
12/12/2024 16:00	17.7	8.37	315	4.31	207	0.00	7.70	5.21	0.582	0.938	-4.76	0.010	0.00	0.42	42.0	0.004
12/12/2024 17:00	18.8	8.50	342	4.38	206	0.00	7.29	5.60	0.582	0.938	13.65	0.010	0.00	0.08	42.0	0.001
12/12/2024 18:00	19.5	8.62	341	4.39	206	0.00	7.69	5.90	0.582	0.938	33.44	0.010	0.00	0.05	42.0	0.000
12/12/2024 19:00	19.1	8.11	308	4.17	208	0.00	7.51	5.44	0.582	0.938	19.29	0.010	0.00	5.68	42.0	0.054
12/12/2024 20:00	20.1	8.16	299	4.21	207	0.00	7.33	5.76	0.582	0.938	34.54	0.010	0.00	5.69	42.0	0.054
12/12/2024 21:00	16.2	8.53	318	4.15	206	0.00	7.19	4.86	0.582	0.938	-9.65	0.010	0.00	5.65	42.0	0.053
12/12/2024 22:00	17.2	8.13	298	4.18	207	0.00	6.90	6.35	0.582	0.938	67.88	0.010	0.00	0.13	42.0	0.001
12/12/2024 23:00	18.7	8.69	314	4.17	205	0.00	6.97	5.70	0.582	0.938	32.29	0.010	0.00	0.11	42.0	0.001
12/13/2024 0:00	21.1	8.74	336	4.15	206	0.00	7.29	6.49	0.582	0.938	71.65	0.010	0.00	0.18	42.0	0.002
12/13/2024 1:00	16.1	8.28	310	4.20	206	0.00	11.05	4.69	0.582	0.938	-22.16	0.010	0.00	0.18	41.9	0.002
12/13/2024 2:00	17.2	8.45	308	4.14	206	0.00	11.00	5.10	0.582	0.938	3.46	0.010	0.00	0.18	41.9	0.002
12/13/2024 3:00	20.5	8.51	317	4.10	206	0.00	10.99	6.11	0.582	0.938	5.41	0.010	0.00	0.18	41.9	0.002
12/13/2024 4:00	17.9	8.32	303	4.10	207	0.00	10.77	5.23	0.582	0.938	13.37	0.010	0.00	0.08	41.9	0.001
12/13/2024 5:00	18.7	8.58	322	4.10	206	0.00	11.06	5.93	0.582	0.938	48.64	0.010	0.00	3.02	41.9	0.028
12/13/2024 6:00	20.9	8.83	332	4.21	207	0.00	10.70	6.48	0.582	0.938	68.31	0.010	9.34	0.93	41.9	0.073
12/13/2024 7:00	20.0	8.13	277	4.24	207	0.00	10.97	5.71	0.582	0.938	30.74	0.010	0.00	23.56	41.9	0.216
12/13/2024 8:00	18.9	8.29	301	4.26	206	0.00	13.69	5.51	0.582	0.938	17.25	0.010	0.00	29.19	41.9	0.270
12/13/2024 9:00	10.7	7.82	215	4.31	248	0.00	13.88	2.95	0.582	0.938	-136.16	0.010	0.00	24.49	41.9	0.223
12/13/2024 10:00	14.6	8.03	218	4.34	248	0.00	13.92	4.13	0.582	0.938	-67.54	0.010	0.00	8.87	41.9	0.081
12/13/2024 11:00	17.2	8.27	219	4.29	246	0.00	13.75	3.98	0.582	0.938	-9.80	0.010	0.00	8.29	41.9	0.078
12/13/2024 12:00	15.7	8.32	216	4.38	272	0.00	13.81	4.60	0.582	0.938	-41.25	0.010	0.00	0.00	41.9	0.000
12/13/2024 13:00	14.0	8.42	214	4.35	261	0.00	13.92	4.13	0.582	0.938	-67.24	0.010	0.00	0.00	41.8	0.000
12/13/2024 14:00	15.7	8.46	214	4.47	302	0.00	13.75	4.68	0.582	0.938	-40.06	0.010	0.00	0.00	41.8	0.000
12/13/2024 15:00	16.1	8.66	245	4.44	305	0.00	13.31	4.89	0.582	0.938	-25.01	0.010	0.00	0.00	41.8	0.000
12/13/2024 16:00	13.2	8.58	280	4.50	225	0.00	13.81	3.98	0.582	0.938	-81.42	0.010	0.00	1.12	41.8	0.010
12/13/2024 17:00	8.4	8.01	245	4.51	271	0.00	13.67	4.68	0.582	0.938	-149.82	0.010	0.00	1.12	41.8	0.010
12/13/2024 18:00	10.4	7.94	250	4.47	228	0.00	12.92	2.91	0.582	0.938	-145.16	0.010	0.00	1.12	41.8	0.010
12/13/2024 19:00	9.0	8.29	243	4.48	244	0.00	13.79	2.62	0.582	0.938	-158.81	0.010	0.00	0.00	41.8	0.000
12/13/2024 20:00	12.1	7.87	238	4.32	219	0.00	13.80	3.35	0.582	0.938	-114.49	0.010	0.00	0.00	41.8	0.000
12/13/2024 21:00	6.9	8.25	232	4.57	248	0.00	13.72	2.01	0.582	0.938	-203.07	0.010	0.00	0.00	41.8	0.000
12/13/2024 22:00	12.2	8.06	229	4.59	236	0.00	13.80	3.44	0.582	0.938	-126.19	0.010	0.00	0.00	41.7	0.000
12/13/2024 23:00	6.7	8.11	227	4.65	247	0.00	13.94	3.82	0.582	0.938	-149.62	0.010	0.00	0.00	41.7	0.000
12/14/2024 0:00	13.9	8.28	226	4.56	261	0.00	9.86	4.02	0.582	0.938	-92.18	0.010	0.00	0.00	41.7	0.000
12/14/2024 1:00	13.9	8.18	228	4.57	254	0.00	9.67	3.99	0.582	0.938	-88.63	0.010	0.00	0.00	41.7	0.000
12/14/2024 2:00	13.8	8.51	226	4.55	272	0.00	10.05	4.13	0.582	0.938	-76.58	0.010	0.00	0.00	41.7	0.000
12/14/2024 3:00	13.6	8.26	229	4.50	258	0.00	9.69	3.93	0.582	0.938	-86.02	0.010	0.00	0.00	41.7	0.000
12/14/2024 4:00	14.5	8.01	231	4.54	241	0.00	10.22	4.09	0.582	0.938	-82.64	0.010	0.00	0.00	41.7	0.000
12/14/2024 5:00	12.1	8.18	233	4.47	252	0.00	10.22	3.48	0.582	0.						

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulphur	LRF Sulphur	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/17/2024 7:00	11.2	8.24	250	3.91	247	0.00	13.84	3.24	0.581	0.936	-82.39	11.900	0.00	0.00	41.4	0.000
12/17/2024 8:00	22.4	8.04	251	3.88	234	0.00	13.77	6.31	0.581	0.936	91.71	11.900	0.00	0.00	41.4	0.000
12/17/2024 9:00	19.4	8.04	250	3.92	234	0.00	13.83	5.49	0.581	0.936	41.86	11.900	0.00	0.00	41.4	0.000
12/17/2024 10:00	23.5	7.89	249	3.94	234	0.00	13.74	6.49	0.581	0.936	98.24	11.900	0.00	0.00	41.4	0.000
12/17/2024 11:00	22.0	8.48	249	3.93	286	0.00	13.62	6.55	0.581	0.936	91.79	11.900	0.00	0.00	41.3	0.000
12/17/2024 12:00	22.0	8.60	248	3.88	290	0.00	13.65	6.64	0.581	0.936	98.65	11.900	0.00	0.00	41.3	0.000
12/17/2024 13:00	16.2	8.52	249	3.87	264	0.00	13.86	4.86	0.581	0.936	9.14	11.900	0.00	0.00	41.3	0.000
12/17/2024 14:00	21.6	7.90	253	3.93	230	0.00	13.72	6.00	0.581	0.936	70.31	11.900	0.00	0.00	41.3	0.000
12/17/2024 15:00	20.2	8.12	252	3.93	243	0.00	13.68	5.75	0.581	0.936	55.22	11.900	0.00	0.00	41.3	0.000
12/17/2024 16:00	20.1	7.81	249	3.95	222	0.00	13.80	5.51	0.581	0.936	42.28	11.900	0.00	0.00	41.3	0.000
12/17/2024 17:00	20.1	8.24	243	3.96	270	0.00	10.86	5.81	0.581	0.936	35.50	11.900	0.00	0.00	41.3	0.000
12/17/2024 18:00	21.9	8.07	241	3.98	242	0.00	11.00	6.20	0.581	0.936	77.79	11.900	0.00	0.00	41.3	0.000
12/17/2024 19:00	21.8	8.10	244	4.01	256	0.00	11.10	6.21	0.581	0.936	73.47	11.900	0.00	0.00	41.3	0.000
12/17/2024 20:00	22.2	7.72	243	4.01	228	0.00	10.62	6.02	0.581	0.936	67.57	11.900	0.00	0.00	41.3	0.000
12/17/2024 21:00	23.6	8.10	242	3.97	247	0.00	12.72	6.72	0.581	0.936	106.39	11.900	0.00	0.00	41.2	0.000
12/17/2024 22:00	21.5	8.35	238	3.94	258	0.00	11.01	6.30	0.581	0.936	84.65	11.900	0.00	0.00	41.2	0.000
12/17/2024 23:00	20.3	8.20	237	3.96	262	0.00	10.72	6.04	0.581	0.936	67.71	11.900	0.00	0.00	41.2	0.000
12/18/2024 0:00	23.3	7.97	239	3.82	238	0.00	11.07	6.51	0.581	0.936	108.55	11.900	0.00	0.00	41.2	0.000
12/18/2024 1:00	23.7	8.25	238	3.89	268	0.00	10.96	6.86	0.581	0.936	116.01	11.900	0.00	0.05	41.2	0.000
12/18/2024 2:00	18.6	8.44	235	3.87	273	0.00	10.88	5.52	0.581	0.936	44.80	11.900	0.00	0.05	41.2	0.000
12/18/2024 3:00	19.0	8.18	237	3.84	258	0.00	10.91	5.45	0.581	0.936	43.83	11.900	0.00	0.05	41.2	0.000
12/18/2024 4:00	16.1	8.26	238	3.83	271	0.00	11.33	4.66	0.581	0.936	1.80	11.900	0.00	0.00	41.2	0.000
12/18/2024 5:00	20.0	7.81	237	3.86	231	0.00	10.80	5.20	0.581	0.936	31.33	11.900	0.00	1.87	41.2	0.016
12/18/2024 6:00	24.0	7.74	238	3.84	232	0.00	11.14	6.58	0.581	0.936	112.23	15.800	78.71	9.88	41.2	0.087
12/18/2024 7:00	22.2	7.83	238	3.82	238	0.00	10.62	6.12	0.581	0.936	85.34	15.800	51.82	38.97	41.2	0.346
12/18/2024 8:00	20.9	7.93	238	3.85	249	0.00	12.75	5.82	0.581	0.936	65.56	15.800	32.04	61.16	41.2	0.545
12/18/2024 9:00	22.4	7.91	238	3.82	245	0.00	12.88	6.21	0.581	0.936	89.63	15.800	56.11	69.96	41.2	0.627
12/18/2024 10:00	20.9	8.00	241	3.80	253	0.00	12.73	5.88	0.581	0.936	70.85	15.800	37.33	57.22	41.2	0.512
12/18/2024 11:00	22.0	8.01	236	3.88	261	0.00	12.80	6.18	0.581	0.936	81.91	15.800	48.39	44.88	41.2	0.399
12/18/2024 12:00	19.2	8.07	235	3.84	260	0.00	12.35	5.43	0.581	0.936	43.42	15.800	9.80	39.40	41.2	0.351
12/18/2024 13:00	21.3	8.69	232	3.77	301	0.00	12.79	6.51	0.581	0.936	99.34	15.800	65.82	42.04	41.2	0.377
12/18/2024 14:00	21.0	8.19	236	3.87	260	0.00	12.78	6.03	0.581	0.936	74.42	15.800	40.90	44.92	41.2	0.395
12/18/2024 15:00	18.8	8.40	237	3.89	267	0.00	12.89	5.55	0.581	0.936	45.50	15.800	11.98	47.05	41.2	0.419
12/18/2024 16:00	20.3	8.28	237	3.90	267	0.00	12.88	5.90	0.581	0.936	63.85	15.800	30.33	41.69	41.2	0.370
12/18/2024 17:00	23.5	7.93	235	3.92	245	0.00	12.84	6.50	0.581	0.936	102.90	15.800	69.38	36.05	41.2	0.318
12/18/2024 18:00	20.5	7.80	237	3.90	246	0.00	13.14	6.51	0.581	0.936	60.51	15.800	68.41	40.38	41.2	0.381
12/18/2024 19:00	27.6	8.08	236	3.90	252	0.00	14.00	7.84	0.581	0.936	175.18	15.800	141.66	60.35	41.2	0.535
12/18/2024 20:00	22.1	7.79	240	3.85	233	0.00	13.77	6.03	0.581	0.936	79.68	15.800	46.16	78.98	41.2	0.703
12/18/2024 21:00	23.8	7.83	240	3.86	243	0.00	13.69	6.53	0.581	0.936	105.52	15.800	72.00	75.24	41.2	0.671
12/18/2024 22:00	22.4	8.39	239	3.87	285	0.00	13.76	6.60	0.581	0.936	100.24	15.800	66.72	57.66	41.2	0.517
12/18/2024 23:00	20.2	8.62	236	3.84	283	0.00	13.79	6.12	0.581	0.936	77.25	15.800	47.73	51.71	41.2	0.460
12/19/2024 0:00	23.4	8.38	238	3.88	269	0.00	13.81	6.81	0.581	0.936	130.62	15.800	101.80	57.67	41.2	0.511
12/19/2024 1:00	23.5	8.15	235	3.89	252	0.00	13.80	6.72	0.581	0.936	112.83	15.800	79.35	86.27	41.2	0.781
12/19/2024 2:00	23.4	8.28	236	3.89	260	0.00	13.77	6.80	0.581	0.936	115.54	15.800	82.02	95.69	41.2	0.864
12/19/2024 3:00	24.1	8.05	237	3.82	260	0.00	13.70	6.81	0.581	0.936	120.38	15.800	86.86	103.56	41.2	0.941
12/19/2024 4:00	24.4	8.03	237	3.89	248	0.00	13.75	6.88	0.581	0.936	122.59	15.800	89.07	95.50	41.3	0.854
12/19/2024 5:00	23.0	7.91	235	4.03	248	0.00	13.76	6.40	0.581	0.936	86.94	15.800	53.42	92.59	41.3	0.833
12/19/2024 6:00	28.7	8.52	236	3.95	276	0.00	13.82	6.95	0.581	0.936	150.67	15.800	109.67	92.67	41.3	0.836
12/19/2024 7:00	29.1	8.10	236	3.95	264	0.00	13.71	8.28	0.581	0.936	191.93	15.800	158.41	112.67	41.3	1.012
12/19/2024 8:00	20.5	7.57	238	3.91	225	0.00	13.79	5.44	0.581	0.936	41.73	15.800	8.21	110.29	41.3	0.989
12/19/2024 9:00	21.1	8.19	252	4.08	258	0.00	13.79	6.08	0.581	0.936	60.86	15.800	27.34	101.11	41.3	0.914
12/19/2024 10:00	20.1	8.73	263	4.15	275	0.00	13.78	6.16	0.581	0.936	57.72	15.800	24.20	64.58	41.3	0.585
12/19/2024 11:00	17.9	9.00	289	4.21	280	0.00	13.61	5.66								

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

**For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boller 9 Fuel Gas	Boller 9 Fuel Gas	Boller 13 Fuel Gas	Boller 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/22/2024 14:00	27.1	8.88	287	4.08	257	0.00	12.00	8.46	0.581	0.936	176.32	8.700	14.17	1.01	41.4	0.010
12/22/2024 15:00	25.3	8.71	276	4.04	257	0.00	11.97	7.74	0.581	0.936	145.21	8.700	0.00	1.49	41.3	0.014
12/22/2024 16:00	20.7	8.57	268	4.11	256	0.00	11.96	6.24	0.581	0.936	65.18	8.700	0.00	1.49	41.3	0.014
12/22/2024 17:00	19.4	8.58	271	4.07	257	0.00	11.95	5.83	0.581	0.936	46.56	8.700	0.00	0.50	41.3	0.005
12/22/2024 18:00	18.5	8.48	265	4.00	257	0.00	8.77	5.52	0.581	0.936	34.70	8.700	0.00	0.00	41.3	0.000
12/22/2024 19:00	20.8	8.87	279	4.03	257	0.00	9.21	6.48	0.581	0.936	80.98	8.700	0.00	0.00	41.3	0.000
12/22/2024 20:00	16.1	8.65	280	4.01	257	0.00	9.22	4.90	0.581	0.936	2.41	8.700	0.00	0.00	41.3	0.000
12/22/2024 21:00	20.2	8.53	265	3.97	257	0.01	9.33	6.06	0.581	0.936	64.89	8.700	0.00	0.00	41.3	0.000
12/22/2024 22:00	22.4	8.56	274	3.87	257	0.00	11.09	6.74	0.581	0.936	105.44	8.700	0.00	0.00	41.3	0.000
12/22/2024 23:00	24.1	8.56	278	3.77	257	0.00	10.99	7.26	0.581	0.936	136.86	8.700	0.00	0.00	41.3	0.000
12/23/2024 0:00	22.7	8.64	275	3.84	257	0.00	11.03	6.88	0.581	0.936	114.06	8.700	0.00	0.01	41.3	0.000
12/23/2024 1:00	24.7	8.93	296	3.86	257	0.00	11.07	7.75	0.581	0.936	150.82	8.700	0.00	0.04	41.2	0.000
12/23/2024 2:00	22.0	8.88	287	3.82	257	0.00	10.78	6.87	0.581	0.936	112.11	8.700	0.00	0.04	41.2	0.000
12/23/2024 3:00	19.9	8.60	279	3.72	257	0.00	11.09	5.99	0.581	0.936	75.54	8.700	0.00	0.04	41.2	0.000
12/23/2024 4:00	21.3	8.71	278	3.68	256	0.01	12.79	6.51	0.581	0.936	105.30	8.700	0.00	0.52	41.2	0.000
12/23/2024 5:00	19.8	8.57	276	3.67	257	0.01	12.84	5.96	0.581	0.936	77.53	0.020	0.00	0.10	41.2	0.001
12/23/2024 6:00	19.1	8.12	299	3.73	256	0.00	12.89	6.10	0.581	0.936	77.71	0.020	0.00	0.53	41.2	0.040
12/23/2024 7:00	9.6	8.62	281	3.72	257	0.01	12.90	2.92	0.581	0.936	-80.92	0.020	0.00	5.33	41.2	0.049
12/23/2024 8:00	18.2	8.60	274	3.72	257	0.00	12.96	5.49	0.581	0.936	50.51	0.020	0.00	5.51	41.2	0.051
12/23/2024 9:00	21.5	8.63	279	3.74	257	0.00	12.87	6.50	0.581	0.936	100.81	0.020	16.96	3.99	41.2	0.037
12/23/2024 10:00	20.7	8.78	290	3.64	256	0.00	12.59	6.37	0.581	0.936	98.08	0.020	14.23	16.40	41.2	0.152
12/23/2024 11:00	24.4	8.92	297	3.60	256	0.00	12.77	7.63	0.581	0.936	161.31	0.020	77.46	31.80	41.2	0.299
12/23/2024 12:00	21.0	8.67	287	3.54	256	0.00	12.80	6.40	0.581	0.936	106.49	0.020	22.65	44.25	41.2	0.415
12/23/2024 13:00	11.8	9.04	305	3.46	256	0.00	12.91	3.73	0.581	0.936	-22.08	0.020	0.00	32.99	41.2	0.306
12/23/2024 14:00	13.0	8.65	281	3.46	262	0.00	12.87	3.95	0.581	0.936	-12.17	0.020	0.00	17.31	41.2	0.161
12/23/2024 15:00	13.0	8.54	271	3.43	261	0.00	12.74	3.91	0.581	0.936	-12.30	0.020	0.00	1.14	41.1	0.011
12/23/2024 16:00	13.9	8.98	297	3.38	261	0.00	12.88	4.40	0.581	0.936	14.69	0.020	0.00	0.00	41.1	0.000
12/23/2024 17:00	13.2	8.67	278	3.45	261	0.00	12.83	4.02	0.581	0.936	-8.13	0.020	0.00	0.00	41.1	0.000
12/23/2024 18:00	13.0	8.54	268	3.42	262	0.00	12.78	3.88	0.581	0.936	-13.34	0.020	0.00	0.00	41.1	0.000
12/23/2024 19:00	11.7	9.17	302	3.44	261	0.00	12.77	3.77	0.581	0.936	-19.92	0.020	0.00	0.00	41.1	0.000
12/23/2024 20:00	13.9	9.09	290	3.51	261	0.00	12.87	4.44	0.581	0.936	9.31	0.020	0.00	0.00	41.1	0.000
12/23/2024 21:00	10.6	8.97	280	3.48	261	0.00	12.86	3.34	0.581	0.936	-44.60	0.020	0.00	0.00	41.1	0.000
12/23/2024 22:00	10.9	8.84	265	3.46	261	0.00	12.84	3.38	0.581	0.936	-41.80	0.020	0.00	0.00	41.1	0.000
12/23/2024 23:00	10.9	8.54	263	3.47	262	0.00	12.86	3.27	0.581	0.936	-48.59	0.020	0.00	0.00	41.1	0.000
12/24/2024 0:00	12.9	8.64	270	3.43	262	0.00	12.88	3.92	0.581	0.936	-11.90	0.020	0.00	0.00	41.1	0.000
12/24/2024 1:00	12.9	8.57	266	3.46	261	0.00	12.88	3.87	0.581	0.936	-10.98	0.020	0.00	0.00	41.1	0.000
12/24/2024 2:00	11.7	8.87	284	3.39	261	0.00	12.85	3.65	0.581	0.936	-22.33	0.020	0.00	0.00	41.0	0.000
12/24/2024 3:00	10.7	8.59	263	3.47	261	0.00	12.87	3.22	0.581	0.936	-50.90	0.020	0.00	0.00	41.0	0.000
12/24/2024 4:00	9.7	8.54	263	3.52	262	0.00	12.84	2.91	0.581	0.936	-70.29	0.020	0.00	0.00	41.0	0.000
12/24/2024 5:00	8.8	8.67	273	3.40	261	0.00	8.78	2.67	0.581	0.936	-73.54	0.010	2.56	1.10	41.0	0.010
12/24/2024 6:00	9.0	8.62	269	3.45	262	0.00	9.51	2.72	0.581	0.936	-74.48	0.010	1.62	3.45	41.0	0.031
12/24/2024 7:00	8.8	8.72	282	3.47	261	0.00	9.20	2.70	0.581	0.936	-71.76	0.010	1.71	4.76	41.0	0.043
12/24/2024 8:00	13.8	8.72	268	3.53	262	0.00	9.49	4.23	0.581	0.936	-2.63	0.010	73.48	29.28	41.0	0.261
12/24/2024 9:00	17.0	8.63	271	3.57	262	0.00	9.05	5.15	0.581	0.936	-41.80	0.010	117.91	56.73	41.0	0.513
12/24/2024 10:00	15.2	8.64	274	3.57	262	0.00	9.31	4.61	0.581	0.936	-14.49	0.010	90.60	88.60	41.0	0.792
12/24/2024 11:00	13.8	8.61	275	3.52	261	0.00	9.39	4.17	0.581	0.936	-4.82	0.010	71.29	91.22	41.0	0.824
12/24/2024 12:00	14.5	8.62	272	3.52	262	0.00	9.35	4.40	0.581	0.936	-7.20	0.010	83.31	93.37	41.0	0.840
12/24/2024 13:00	15.7	8.74	280	3.48	261	0.00	9.49	3.28	0.581	0.936	-28.47	0.010	225.96	137.32	41.1	1.244
12/24/2024 14:00	25.1	8.86	289	3.53	261	0.00	9.53	7.82	0.581	0.936	174.77	0.010	250.87	185.01	41.1	1.676
12/24/2024 15:00	23.4	8.59	276	3.55	261	0.00	9.50	7.05	0.581	0.936	136.54	0.010	214.64	216.80	41.1	1.968
12/24/2024 16:00	21.9	8.64	276	3.56	262	0.00	9.13	6.64	0.581	0.936	117.29	0.010	193.40	205.37	41.2	1.872
12/24/2024 17:00	19.5	8.65	280	3.56	262	0.00	8.83	5.92	0.581	0.936	80.19	0.010	156.30	193.51	41.2	1.755
12/24/2024 18:00	28.1	8.52	270	3.53	261	0.00	10.12	8.40	0.581	0.936	210.47	0.010	286.58			

Fuel Gas H2S Estimation

*H2S concentration in Fuel Gas is estimated using the best available data and operating information for heat and material balances, supported by the lab analysis of manual sampling.

*For Hydrobon/Platformer fired heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the estimated H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
12/27/2024 21:00	30.0	7.04	258	3.99	163	0.00	12.81	7.42	0.581	0.936	169.20	0.010	245.31	297.83	44.4	2.721
12/27/2024 22:00	37.0	6.91	259	4.00	163	0.00	12.82	8.97	0.581	0.936	268.55	0.010	344.66	289.93	44.4	2.668
12/27/2024 23:00	37.6	6.76	254	3.97	163	0.00	12.81	8.93	0.581	0.936	271.76	0.010	347.87	304.00	44.5	2.836
12/28/2024 0:00	35.3	6.90	260	3.93	163	0.00	12.82	8.56	0.581	0.936	246.45	0.010	322.55	311.62	44.6	2.909
12/28/2024 1:00	33.9	6.80	251	3.92	165	0.00	12.93	8.09	0.581	0.936	220.94	0.010	297.04	315.78	44.6	2.974
12/28/2024 2:00	30.2	6.89	257	3.92	165	0.00	12.82	7.31	0.581	0.936	167.30	0.010	243.40	292.67	44.7	2.758
12/28/2024 3:00	29.3	6.79	245	3.89	165	0.00	12.80	6.98	0.581	0.936	152.42	0.010	228.52	272.68	44.7	2.566
12/28/2024 4:00	31.1	6.86	260	3.84	164	0.00	12.79	7.50	0.581	0.936	185.00	0.010	261.11	245.75	44.8	2.313
12/28/2024 5:00	31.7	6.69	250	3.92	169	0.00	12.80	7.45	0.581	0.936	177.09	0.010	253.19	250.48	44.8	2.346
12/28/2024 6:00	27.5	6.85	246	3.88	170	0.00	12.80	6.60	0.581	0.936	125.73	0.010	201.84	254.98	44.9	2.337
12/28/2024 7:00	31.1	6.99	253	3.95	170	0.00	12.89	7.63	0.581	0.936	185.24	0.010	231.35	258.94	44.9	2.337
12/28/2024 8:00	24.5	6.84	260	3.97	165	0.00	12.92	5.88	0.581	0.936	69.63	0.010	145.74	239.61	45.0	2.301
12/28/2024 9:00	25.5	6.62	256	3.98	165	0.00	12.76	5.94	0.581	0.936	72.90	0.010	149.00	197.85	45.0	1.881
12/28/2024 10:00	20.3	6.62	248	4.01	165	0.00	12.86	4.73	0.581	0.936	-8.39	0.010	67.72	159.67	45.0	1.477
12/28/2024 11:00	21.6	6.55	249	3.98	165	0.00	9.54	4.96	0.581	0.936	8.68	0.010	84.79	124.72	45.0	1.141
12/28/2024 12:00	21.2	6.60	247	3.98	166	0.00	9.01	4.92	0.581	0.936	6.39	0.010	82.49	110.46	45.1	1.008
12/28/2024 13:00	16.7	6.77	253	3.96	165	0.00	9.08	3.96	0.581	0.936	-55.19	0.010	20.91	94.66	45.1	0.851
12/28/2024 14:00	20.8	6.73	263	3.97	166	0.00	9.52	4.91	0.581	0.936	6.69	0.010	82.80	91.14	45.1	0.841
12/28/2024 15:00	20.4	6.86	264	3.97	165	0.00	8.85	4.93	0.581	0.936	7.22	0.010	83.32	87.86	45.1	0.801
12/28/2024 16:00	20.5	6.61	251	3.94	165	0.00	9.23	4.76	0.581	0.936	-0.07	0.010	76.03	81.18	45.1	0.739
12/28/2024 17:00	23.8	6.66	253	3.92	166	0.00	9.48	5.56	0.581	0.936	52.89	0.010	129.00	76.95	45.1	0.695
12/28/2024 18:00	22.6	6.63	248	3.97	165	0.00	9.46	5.26	0.581	0.936	30.02	0.010	106.12	87.32	45.1	0.788
12/28/2024 19:00	19.2	6.65	250	3.28	165	0.00	4.98	4.49	0.581	0.936	34.28	0.010	110.39	100.14	45.1	0.907
12/28/2024 20:00	13.8	6.69	260	3.08	165	0.00	9.08	3.24	0.581	0.936	-31.35	0.010	44.75	96.67	45.1	0.878
12/28/2024 21:00	14.9	6.90	268	2.97	165	0.00	9.51	3.60	0.581	0.936	0.61	0.010	76.72	77.10	45.1	0.697
12/28/2024 22:00	11.6	7.08	279	2.87	165	0.00	8.95	2.88	0.581	0.936	-36.37	0.010	39.73	67.02	45.2	0.604
12/28/2024 23:00	18.9	6.98	268	3.82	165	0.00	9.44	4.63	0.581	0.936	0.34	0.010	76.44	64.80	45.2	0.588
12/29/2024 0:00	19.3	6.85	255	3.83	165	0.00	9.30	4.63	0.581	0.936	-0.35	0.010	75.75	67.97	45.2	0.614
12/29/2024 1:00	21.1	6.73	251	3.89	165	0.00	9.46	4.98	0.581	0.936	18.01	0.010	94.12	74.17	45.2	0.674
12/29/2024 2:00	19.2	6.87	267	3.95	165	0.00	8.97	4.17	0.581	0.936	-35.01	0.010	45.12	74.53	45.2	0.680
12/29/2024 3:00	21.1	6.74	249	4.00	165	0.00	9.38	4.99	0.581	0.936	9.89	0.010	86.00	68.47	45.2	0.625
12/29/2024 4:00	19.2	7.08	269	3.97	165	0.00	8.99	4.78	0.581	0.936	-1.89	0.010	74.21	62.76	45.2	0.570
12/29/2024 5:00	16.8	7.17	277	3.92	166	0.00	9.35	4.22	0.581	0.936	-32.53	0.010	43.57	47.17	45.2	0.429
12/29/2024 6:00	17.4	7.08	276	3.90	165	0.00	9.01	4.32	0.581	0.936	-24.46	0.010	51.65	46.82	45.2	0.426
12/29/2024 7:00	19.6	7.03	273	3.89	165	0.00	8.96	4.85	0.581	0.936	8.16	0.010	84.27	52.68	45.2	0.479
12/29/2024 8:00	22.7	6.84	264	3.85	165	0.00	9.46	5.66	0.581	0.936	130.29	0.010	206.43	102.49	45.2	0.912
12/29/2024 9:00	30.7	6.74	257	3.87	165	0.00	9.40	7.27	0.581	0.936	167.13	0.010	243.23	165.17	45.2	1.491
12/29/2024 10:00	28.3	6.75	250	3.87	165	0.00	9.01	6.70	0.581	0.936	131.80	0.010	207.91	220.58	45.3	1.973
12/29/2024 11:00	34.6	6.97	254	3.90	165	0.00	9.37	8.46	0.581	0.936	242.46	0.010	318.57	265.72	45.3	2.337
12/29/2024 12:00	32.5	7.21	281	3.95	165	0.00	9.48	8.23	0.581	0.936	210.19	0.010	286.30	295.09	45.4	2.660
12/29/2024 13:00	28.5	6.98	258	3.90	165	0.01	12.86	6.98	0.581	0.936	146.26	0.010	222.37	297.33	45.4	2.675
12/29/2024 14:00	31.9	6.93	253	3.90	165	0.00	12.83	7.78	0.581	0.936	200.75	0.010	276.86	285.06	45.5	2.537
12/29/2024 15:00	32.3	6.85	248	3.91	166	0.00	12.83	7.78	0.581	0.936	202.82	0.010	278.93	264.92	45.5	2.363
12/29/2024 16:00	35.1	6.83	253	3.92	165	0.00	12.93	8.43	0.581	0.936	241.72	0.010	317.82	277.62	45.6	2.473
12/29/2024 17:00	33.3	6.72	242	3.98	165	0.00	12.87	7.85	0.581	0.936	204.48	0.010	280.59	286.38	45.6	2.564
12/29/2024 18:00	34.0	6.94	256	4.00	165	0.00	12.87	8.29	0.581	0.936	224.95	0.010	301.06	293.94	45.7	2.610
12/29/2024 19:00	31.8	6.63	232	3.97	165	0.00	12.74	7.41	0.581	0.936	180.42	0.010	256.53	288.81	45.8	2.581
12/29/2024 20:00	36.3	6.68	241	3.94	165	0.00	12.78	7.10	0.581	0.936	210.17	0.010	283.81	281.57	45.8	2.458
12/29/2024 21:00	34.5	6.64	236	3.89	165	0.00	12.75	8.04	0.581	0.936	228.28	0.010	304.39	274.25	45.9	2.439
12/29/2024 22:00	33.8	6.66	245	3.86	165	0.00	12.84	7.91	0.581	0.936	217.75	0.010	293.86	279.80	45.9	2.486
12/29/2024 23:00	36.0	6.87	255	3.82	165	0.00	12.86	8.70	0.581	0.936	266.37	0.010	342.48	304.90	4	

Fuel Gas Lab Results

Date and Time	Hydrogen Sulphide ppmv
5/13/2024 9:00	0.75
5/13/2024 13:00	0.24
7/1/2024	0.24
7/2/2024 4:30	0.34
7/5/2024 0:00	0.01
7/8/2024 4:30	0.48
7/10/2024 4:30	0.03
7/12/2024 0:00	0.01
1/15/2024 4:30	0.01
7/17/2024 4:30	54.20
7/22/2024 4:30	0.04
7/24/2024 4:30	0.03
7/26/2024 4:30	0.07
7/29/2024 4:30	0.07
7/31/2024 4:30	0.04
8/2/2024 4:30	0.09
8/5/2024 4:30	0.13
8/7/2024 4:30	0.05
8/9/2024 4:30	0.04
8/12/2024 4:30	0.01
8/16/2024 4:30	0.03
8/19/2024 4:30	0.05
8/21/2024 4:30	0.04
8/23/2024 4:30	0.06
8/26/2024 4:30	0.02
8/28/2024 4:30	0.16
8/30/2024 4:30	0.20
9/2/2024 4:30	0.01
9/4/2024 4:30	0.04
9/6/2024 4:30	0.06
9/9/2024 4:30	0.49
9/11/2024 4:30	0.32
9/13/2024 4:30	0.02
9/16/2024 4:30	0.04
9/20/2024 4:30	0.02
9/23/2024 4:30	0.40
9/25/2024 4:30	0.06
9/27/2024 4:30	0.01
9/30/2024 4:30	2.85
10/2/2024 4:30	0.31
10/4/2024 4:30	0.06
10/7/2024 4:30	0.01
10/9/2024 4:30	0.05
10/11/2024 4:30	0.66
10/14/2024 4:30	0.05
10/16/2024 4:30	0.67
10/18/2024 4:30	0.05
10/21/2024 4:30	1.48
10/24/2024 4:30	0.02
10/25/2024 4:30	0.01
10/28/2024 4:30	0.01
10/30/2024 4:30	1.19
11/1/2024 4:30	0.96
11/4/2024 4:30	6.84
11/6/2024 4:30	0.03
11/8/2024 4:30	0.04
11/13/2024 4:30	0.33
11/15/2024 4:30	2.50
11/18/2024 4:30	0.08
11/20/2024 4:30	1.41
11/22/2024 4:30	1.90
11/25/2024 4:30	0.10
11/27/2024 4:30	3.60
11/29/2024 4:30	0.47
12/2/2024 4:30	0.13
12/4/2024 4:30	0.06
12/5/2024 4:30	0.05
12/6/2024 4:30	0.03
12/9/2024 4:30	2.34
12/11/2024 4:30	0.01
12/13/2024 4:30	0.94
12/16/2024 4:30	11.90
12/18/2024 4:30	15.80
12/20/2024 4:30	8.70
12/23/2024 4:30	0.02
12/24/2024 4:30	0.01
12/30/2024 4:30	53.10
1/1/2025 4:30	0.15

Use the following formulas:
Flow entered from the Flow Meter was actively flowing positive
The Flow Gas composition are estimated based on the fuel and material inputs, and the weight of Flow header sample and unit operation

Flow Not Active Flow Count

		Calculated Data										Data Collection										Flow Data										Flow Data									
		Data Collection										Data Collection										Flow Data										Flow Data									
		Data Collection										Data Collection										Flow Data										Flow Data									
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		Data Collection										Data Collection										Flow Data										Flow Data									
		Data Collection										Data Collection										Flow Data										Flow Data									

Flare SO2 By Day	
Day	SO2 [kg]
7/1/2024	0.0
7/2/2024	0.0
7/3/2024	2.4
7/4/2024	4.6
7/5/2024	0.0
7/6/2024	0.0
7/7/2024	0.0
7/8/2024	0.0
7/9/2024	0.0
7/10/2024	0.0
7/11/2024	1.9
7/12/2024	0.0
7/13/2024	0.0
7/14/2024	0.0
7/15/2024	28.1
7/16/2024	0.0
7/17/2024	0.0
7/18/2024	0.0
7/19/2024	0.0
7/20/2024	0.0
7/21/2024	0.0
7/22/2024	0.0
7/23/2024	1.9
7/24/2024	0.0
7/25/2024	0.0
7/26/2024	0.0
7/27/2024	0.0
7/28/2024	0.0
7/29/2024	0.0
7/30/2024	0.0
7/31/2024	0.0
8/1/2024	0.0
8/2/2024	0.0
8/3/2024	0.0
8/4/2024	11.2
8/5/2024	0.0
8/6/2024	0.0
8/7/2024	0.0
8/8/2024	0.0
8/9/2024	3.2
8/10/2024	9.4
8/11/2024	0.0
8/12/2024	12.6
8/13/2024	2.2
8/14/2024	0.0
8/15/2024	0.0
8/16/2024	11.8
8/17/2024	2.0
8/18/2024	0.0
8/19/2024	0.0
8/20/2024	0.0
8/21/2024	0.0
8/22/2024	0.0
8/23/2024	0.0
8/24/2024	0.0
8/25/2024	0.0
8/26/2024	0.0
8/27/2024	0.0
8/28/2024	2.1
8/29/2024	0.0
8/30/2024	0.0
8/31/2024	0.0
9/1/2024	0.0

NOTE: Data is based on Flare Events, Zero is assumed for periods that the flare active with Process Gasses

Flare SO2 By Day	
Day	SO2 [kg]
9/2/2024	0.0
9/3/2024	0.0
9/4/2024	0.0
9/5/2024	0.0
9/6/2024	0.0
9/7/2024	0.0
9/8/2024	0.0
9/9/2024	0.0
9/10/2024	151.7
9/11/2024	0.0
9/12/2024	0.0
9/13/2024	0.0
9/14/2024	0.0
9/15/2024	0.0
9/16/2024	213.1
9/17/2024	0.0
9/18/2024	0.0
9/19/2024	0.4
9/20/2024	5.8
9/21/2024	29.1
9/22/2024	0.0
9/23/2024	543.2
9/24/2024	912.1
9/25/2024	1674.6
9/26/2024	663.6
9/27/2024	546.6
9/28/2024	743.0
9/29/2024	1993.8
9/30/2024	1083.0
10/1/2024	691.8
10/2/2024	774.7
10/3/2024	1028.0
10/4/2024	1759.4
10/5/2024	1734.8
10/6/2024	1067.4
10/7/2024	968.2
10/8/2024	875.1
10/9/2024	898.2
10/10/2024	251.6
10/11/2024	0.0
10/12/2024	0.0
10/13/2024	0.0
10/14/2024	0.0
10/15/2024	0.0
10/16/2024	0.0
10/17/2024	0.0
10/18/2024	0.0
10/19/2024	0.0
10/20/2024	0.0
10/21/2024	0.0
10/22/2024	0.0
10/23/2024	0.0
10/24/2024	0.0
10/25/2024	0.0
10/26/2024	0.0
10/27/2024	0.0
10/28/2024	0.0
10/29/2024	0.0
10/30/2024	0.0
10/31/2024	10.1
11/1/2024	2.7
11/2/2024	0.0
11/3/2024	0.0

NOTE: Data is based on Flare Events, Zero is assumed for periods that the flare active with Process Gasses

Flare SO2 By Day	
Day	SO2 [kg]
11/4/2024	0.0
11/5/2024	0.0
11/6/2024	0.0
11/7/2024	0.0
11/8/2024	0.0
11/9/2024	0.0
11/10/2024	0.0
11/11/2024	354.5
11/12/2024	906.5
11/13/2024	906.2
11/14/2024	909.4
11/15/2024	339.8
11/16/2024	455.7
11/17/2024	0.0
11/18/2024	16.5
11/19/2024	0.0
11/20/2024	0.0
11/21/2024	0.0
11/22/2024	0.0
11/23/2024	0.0
11/24/2024	0.0
11/25/2024	0.0
11/26/2024	0.0
11/27/2024	0.0
11/28/2024	95.2
11/29/2024	0.0
11/30/2024	0.0
12/1/2024	0.0
12/2/2024	0.0
12/3/2024	95.3
12/4/2024	0.0
12/5/2024	0.0
12/6/2024	0.0
12/7/2024	0.0
12/8/2024	0.0
12/9/2024	0.0
12/10/2024	22.1
12/11/2024	6.2
12/12/2024	0.0
12/13/2024	0.0
12/14/2024	0.0
12/15/2024	0.0
12/16/2024	0.0
12/17/2024	0.0
12/18/2024	0.0
12/19/2024	0.0
12/20/2024	0.0
12/21/2024	0.0
12/22/2024	0.0
12/23/2024	2.6
12/24/2024	0.0
12/25/2024	0.0
12/26/2024	0.0
12/27/2024	0.0
12/28/2024	0.0
12/29/2024	0.0
12/30/2024	0.0
12/31/2024	0.0

NOTE: Data is based on Flare Events, Zero is assumed for periods that the flare active with Process Gasses

