



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 Q3, 2025

November 20, 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.

PCLI Summary of Sulphur Emissions - Q3 2025

Mass Emission Rate of Sulphur Dioxide Discharged to Air

From	Average kg/h	Minimum kg/h	Maximum kg/h
17 South	30.2	0.0	834.5
30 North	19.1	2.4	33.5
07 Heaters	0.3	0.0	2.5
98 Flares	2.31	0.0	161.7

Total Sulphur Dioxide Emissions

From	Tonnes
17 South	66.7
30 North	42.1
07 Heaters	0.8
98 Flares	5.1
Total	114.7

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	Air, H2O Corrected ppmv	ppmv
7/1/25 0:00	7.89	281	22.2	6.31	16.9	42.0	38.0	40.1	1.26	414	287.7	17.3	7.52	2870	2802	2741
7/1/25 1:00	7.70	280	20.5	6.30	17.2	38.9	39.8	40.1	1.26	417	296.5	17.3	7.64	2928	2826	2741
7/1/25 2:00	7.63	279	21.6	5.67	17.2	38.7	39.8	40.1	1.27	419	295.1	17.3	7.62	2922	2883	2741
7/1/25 3:00	7.63	281	20.9	5.42	17.3	36.7	39.9	40.1	1.26	418	299.6	17.2	7.80	2932	2907	2741
7/1/25 4:00	7.70	281	20.6	5.50	17.2	36.5	38.1	40.1	1.26	417	306.3	17.2	7.79	3010	2927	2741
7/1/25 5:00	7.70	280	20.6	5.47	17.3	36.3	37.3	40.1	1.26	417	315.4	17.2	7.70	3085	2955	2741
7/1/25 6:00	7.68	281	21.0	6.12	17.2	39.3	36.5	40.1	1.27	418	309.7	17.2	7.74	3058	3009	2741
7/1/25 7:00	7.67	282	21.2	5.71	17.3	38.3	37.4	40.1	1.27	419	311.2	17.2	7.74	3038	3051	2741
7/1/25 8:00	7.70	282	19.3	5.27	17.3	33.5	38.0	40.1	1.27	418	309.3	17.2	7.75	3015	3060	2741
7/1/25 9:00	7.64	283	18.7	5.40	17.3	32.9	37.1	40.1	1.26	419	314.9	17.2	7.87	3024	3037	2741
7/1/25 10:00	7.69	286	18.5	5.45	17.2	32.5	34.9	40.1	1.26	421	367.3	17.2	7.79	3511	3025	2741
7/1/25 11:00	7.68	287	19.0	5.52	17.1	33.5	32.9	40.1	1.26	421	941.2	17.1	7.78	8341	3183	2742
7/1/25 12:00	7.66	287	21.6	6.30	17.0	40.8	33.0	40.1	1.24	423	1450.2	17.3	7.42	13090	4959	2743
7/1/25 13:00	7.63	287	21.7	6.47	16.9	41.4	35.6	40.1	1.23	417	307.5	17.4	7.18	3092	8314	2743
7/1/25 14:00	7.58	286	22.0	5.76	16.8	39.5	38.6	40.1	1.23	416	278.3	17.4	6.92	2758	8174	2743
7/1/25 15:00	7.39	286	22.1	5.67	16.9	39.4	40.6	40.1	1.22	416	268.4	17.4	7.01	2640	6313	2743
7/1/25 16:00	7.47	286	22.0	5.64	16.7	39.0	40.1	40.1	1.22	415	272.4	17.5	6.69	2697	2830	2743
7/1/25 17:00	7.44	286	21.2	5.64	16.7	37.5	39.3	40.1	1.23	414	275.2	17.4	6.82	2683	2698	2743
7/1/25 18:00	7.43	285	22.5	6.23	16.6	41.9	38.7	40.1	1.24	414	276.7	17.4	6.82	2719	2673	2743
7/1/25 19:00	7.44	284	21.2	6.39	16.6	40.0	39.5	40.1	1.24	414	285.9	17.4	6.85	2807	2700	2743
7/1/25 20:00	7.46	283	22.7	5.93	16.6	41.1	39.8	40.1	1.24	414	354.8	17.5	6.74	3538	2736	2743
7/1/25 21:00	7.42	281	23.2	5.63	16.6	41.0	41.0	40.1	1.23	414	333.2	17.4	6.83	3300	3021	2743
7/1/25 22:00	7.42	282	22.7	5.78	17.0	40.9	40.7	40.1	1.25	417	371.8	17.3	7.10	3552	3215	2743
7/1/25 23:00	7.54	279	23.4	5.64	16.6	41.3	41.0	40.1	1.25	419	316.7	17.3	7.12	3063	3463	2743
7/2/25 0:00	7.39	278	23.4	6.24	16.6	43.7	41.1	40.1	1.26	418	302.2	17.4	7.10	2954	3305	2743
7/2/25 1:00	7.41	277	22.0	6.37	16.6	41.5	42.0	40.1	1.27	416	297.8	17.4	7.06	2915	3190	2743
7/2/25 2:00	7.42	277	21.4	5.62	16.6	37.8	42.1	40.1	1.27	415	297.5	17.4	7.05	2885	2978	2743
7/2/25 3:00	7.47	277	21.4	5.49	16.6	37.3	41.0	40.1	1.27	415	303.8	17.4	7.02	2936	2918	2743
7/2/25 4:00	7.43	277	21.3	5.42	16.6	36.9	38.9	40.1	1.28	414	300.6	17.4	6.95	2917	2912	2742
7/2/25 5:00	7.40	275	21.1	5.50	16.7	36.8	37.3	40.1	1.28	413	303.8	17.4	6.96	2927	2913	2742
7/2/25 6:00	7.30	275	22.7	6.12	16.6	41.9	37.0	40.1	1.28	414	318.7	17.3	7.01	3056	2927	2742
7/2/25 7:00	7.39	276	18.5	5.71	16.7	33.1	38.6	40.1	1.28	414	346.8	17.3	6.94	3305	2967	2742
7/2/25 8:00	7.39	278	17.6	5.30	16.7	30.3	37.3	40.1	1.28	416	332.2	17.3	7.14	3120	3096	2742
7/2/25 9:00	7.46	282	17.5	5.42	16.8	30.5	35.1	40.1	1.26	418	383.5	17.3	7.14	3616	3160	2742
7/2/25 10:00	7.41	285	17.0	5.44	16.7	29.6	31.3	40.1	1.26	424	3541.7	17.2	7.10	30978	3347	2746
7/2/25 11:00	7.40	284	18.8	5.59	16.6	33.1	30.2	40.1	1.25	420	765.6	17.4	6.96	7249	12572	2746
7/2/25 12:00	7.30	281	20.5	6.33	16.7	38.5	31.1	40.1	1.26	420	406.8	17.4	7.16	4037	13948	2746
7/2/25 13:00	7.31	281	20.4	6.44	16.7	38.7	33.8	40.1	1.25	425	4300.7	17.3	7.09	38859	14088	2750
7/2/25 14:00	7.29	283	20.2	5.93	16.8	36.7	36.8	40.1	1.24	419	419.3	17.5	7.08	4465	16715	2750
7/2/25 15:00	7.26	283	20.8	5.66	16.7	36.9	38.0	40.1	1.23	420	351.8	17.5	7.01	3702	15787	2750
7/2/25 16:00	7.26	284	20.8	5.61	16.7	36.8	37.4	40.1	1.23	420	335.7	17.5	6.93	3519	15675	2750
7/2/25 17:00	7.21	281	20.6	5.62	16.7	36.5	36.8	40.1	1.25	418	317.9	17.5	7.10	3404	3895	2750
7/2/25 18:00	7.18	280	22.3	6.24	16.7	41.7	36.7	40.1	1.24	416	327.9	17.5	7.12	3484	3542	2751
7/2/25 19:00	7.20	281	21.5	6.40	16.8	40.8	38.3	40.1	1.22	418	332.9	17.5	7.03	3498	3469	2751
7/2/25 20:00	7.22	280	21.7	5.81	16.9	39.2	39.7	40.1	1.24	417	312.6	17.5	7.27	3266	3462	2751
7/2/25 21:00	7.34	281	21.9	5.67	16.8	39.0	40.6	40.1	1.25	415	308.3	17.5	7.18	3205	3416	2751
7/2/25 22:00	7.47	281	22.4	5.63	16.8	39.7	39.7	40.0	1.25	415	296.1	17.5	7.14	3089	3323	2751
7/2/25 23:00	7.40	280	20.9	5.76	16.7	37.4	39.3	40.0	1.25	415	300.3	17.5	7.17	3114	3187	2751
7/3/25 0:00	7.43	281	21.6	6.54	17.1	41.7	38.7	40.0	1.27	414	319.6	17.5	7.22	3313	3136	2751
7/3/25 1:00	7.41	276	19.5	6.32	16.9	36.8	39.6	40.0	1.25	414	326.1	17.5	7.20	3373	3172	2751
7/3/25 2:00	7.16	274	20.0	5.50	16.9	35.2	38.6	40.0	1.26	415	308.1	17.5	7.27	3238	3267	2751
7/3/25 3:00	7.13	274	21.3	5.44	16.8	37.1	37.9	40.0	1.26	413	310.0	17.5	7.17	3259	3308	2751
7/3/25 4:00	7.43	274	21.2	5.40	16.9	36.9	36.4	40.0	1.26	411	310.1	17.5	7.22	3218	3290	2751
7/3/25 5:00	7.24	274	19.4	5.40	17.0	33.9	36.4	40.0	1.26	412	303.8	17.4	7.32	3122	3238	2751
7/3/25 6:00	7.23	274	22.1	6.09	16.9	40.9	36.0	40.0	1.28	414	303.2	17.5	7.22	3162	3200	2751
7/3/25 7:00	7.21	278	18.9	5.74	16.8	34.0	37.2	40.0	1.36	412	314.3	17.5	6.96	3261	3167	2751
7/3/25 8:00	7.35	280	16.7	5.34	16.6	28.7	36.3	40.0	1.30	412	305.8	17.5	6.84	3169	3182	2751
7/3/25 9:00	7.44	282	18.6	5.44	16.5	32.3	34.5	40.0	1.26	414	349.9	17.5	6.93	3610	3197	2751
7/3/25 10:00	7.46	284	16.9	5.41	16.6	29.3	31.7	40.0	1.27	417	307.8	17.5	6.98	3225	3347	2751
7/3/25 11:00	7.56	282	16.8	5.37	16.6	29.1	30.1	40.0	1.26	416	295.1	17.5	6.99	3102	3335	2751
7/3/25 12:00	7.51	285	17.0	6.14	16.3	31.2	30.3	40.0	1.30	417	310.4	17.6	6.59	3205	3312	2751
7/3/25 13:00	7.49	288	16.4	6.36	16											

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	Air, H2O Corrected ppmv	ppmv
7/5/25 2:00	6.65	266	14.4	5.48	16.5	25.1	28.0	40.0	1.27	420	335.9	17.4	7.13	3368	3480	2751
7/5/25 3:00	6.59	266	13.2	5.24	16.5	22.6	27.3	39.9	1.27	419	334.3	17.4	7.03	3361	3455	2751
7/5/25 4:00	6.71	267	13.6	5.22	16.5	23.2	25.1	39.9	1.28	417	326.7	17.5	6.93	3312	3396	2751
7/5/25 5:00	6.69	267	12.6	5.20	16.4	21.4	23.6	39.9	1.27	418	327.4	17.5	6.91	3307	3347	2751
7/5/25 6:00	6.63	266	14.8	5.84	16.4	26.6	22.4	39.9	1.28	419	323.0	17.5	6.99	3279	3327	2751
7/5/25 7:00	6.64	266	17.6	5.42	16.6	30.5	23.7	39.9	1.30	418	328.0	17.5	7.11	3357	3299	2751
7/5/25 8:00	6.60	269	17.9	5.18	16.8	30.6	26.2	39.9	1.32	416	341.3	17.4	7.28	3416	3314	2751
7/5/25 9:00	6.76	270	19.5	5.13	16.7	33.2	29.2	39.9	1.29	417	330.8	17.4	7.36	3321	3351	2751
7/5/25 10:00	6.68	271	20.0	5.06	16.7	33.7	31.4	39.9	1.29	418	337.5	17.4	7.37	3397	3365	2751
7/5/25 11:00	6.72	270	19.9	5.03	16.7	33.5	32.5	39.9	1.28	420	345.2	17.3	7.48	3446	3378	2751
7/5/25 12:00	6.65	270	21.3	5.94	16.5	38.6	33.5	39.9	1.26	424	361.1	17.3	7.55	3624	3388	2751
7/5/25 13:00	6.71	272	21.5	6.10	16.7	39.7	35.3	39.9	1.28	424	372.2	17.3	7.65	3719	3489	2751
7/5/25 14:00	6.92	275	20.9	5.29	16.9	36.0	37.3	39.9	1.29	422	352.5	17.3	7.64	3547	3596	2751
7/5/25 15:00	6.87	274	20.5	5.22	16.9	35.2	38.1	39.9	1.31	420	348.3	17.3	7.66	3511	3630	2751
7/5/25 16:00	6.83	275	20.8	5.35	17.0	36.1	37.0	39.9	1.32	420	354.1	17.3	7.75	3535	3592	2751
7/5/25 17:00	7.02	276	20.5	5.35	17.0	35.7	35.8	39.9	1.28	422	356.5	17.2	7.84	3528	3531	2751
7/5/25 18:00	6.96	277	20.2	6.13	17.2	37.7	35.7	39.9	1.27	421	351.8	17.2	7.98	3515	3525	2751
7/5/25 19:00	7.42	276	19.0	6.28	17.3	36.0	36.5	39.9	1.25	423	363.8	17.1	8.12	3546	3526	2751
7/5/25 20:00	6.96	274	21.1	5.53	17.2	37.3	36.5	39.9	1.24	424	336.2	17.1	8.04	3261	3530	2751
7/5/25 21:00	6.96	272	20.5	5.48	17.0	36.1	37.0	39.9	1.25	424	331.8	17.2	7.95	3286	3441	2751
7/5/25 22:00	6.83	271	20.6	5.55	17.2	36.4	36.4	39.9	1.25	423	352.5	17.3	7.78	3534	3364	2751
7/5/25 23:00	7.04	272	19.9	5.46	16.9	34.8	36.6	39.9	1.25	419	344.2	17.3	7.69	3482	3360	2751
7/6/25 0:00	6.93	270	22.5	6.12	16.9	41.8	35.8	39.9	1.25	418	339.2	17.3	7.60	3424	3434	2751
7/6/25 1:00	6.83	270	21.8	6.10	16.9	40.3	37.7	39.9	1.24	418	329.8	17.3	7.56	3281	3480	2751
7/6/25 2:00	6.80	269	22.1	5.26	17.0	38.2	39.0	39.9	1.25	419	349.3	17.3	7.55	3420	3396	2751
7/6/25 3:00	6.67	268	21.9	5.24	16.9	37.7	40.1	39.9	1.26	418	325.9	17.3	7.59	3194	3375	2751
7/6/25 4:00	6.67	268	22.4	5.21	16.9	38.4	38.7	39.9	1.24	418	330.0	17.3	7.51	3261	3298	2751
7/6/25 5:00	6.69	269	22.3	5.26	16.9	38.5	38.1	39.9	1.25	418	334.3	17.3	7.55	3258	3292	2751
7/6/25 6:00	6.71	269	24.1	6.15	16.8	44.9	38.2	39.9	1.25	417	338.2	17.3	7.52	3374	3238	2751
7/6/25 7:00	6.79	271	20.2	5.70	16.8	36.2	40.6	39.9	1.25	419	361.9	17.3	7.59	3564	3298	2751
7/6/25 8:00	6.81	272	19.0	5.26	16.8	32.6	39.9	39.9	1.25	419	312.9	17.3	7.59	3084	3399	2751
7/6/25 9:00	6.74	273	18.8	5.38	16.8	32.7	37.9	39.9	1.25	420	336.7	17.2	7.75	3275	3341	2751
7/6/25 10:00	6.83	275	19.4	5.43	16.9	33.8	33.8	39.9	1.25	421	342.1	17.3	7.72	3373	3308	2751
7/6/25 11:00	6.81	274	20.0	5.45	16.9	35.0	33.0	39.9	1.25	424	351.9	17.2	7.85	3445	3244	2751
7/6/25 12:00	6.83	276	21.8	6.21	16.8	40.8	33.8	39.9	1.26	426	345.4	17.2	7.87	3399	3364	2751
7/6/25 13:00	6.87	277	21.9	6.34	16.8	41.3	36.6	39.9	1.26	427	373.5	17.2	7.84	3692	3406	2751
7/6/25 14:00	7.00	279	21.2	5.81	16.6	38.1	39.0	39.9	1.24	425	355.5	17.3	7.60	3599	3512	2751
7/6/25 15:00	7.02	280	21.3	5.53	16.5	37.3	40.1	39.9	1.25	424	349.6	17.3	7.53	3485	3550	2751
7/6/25 16:00	7.04	277	21.3	5.53	16.4	37.2	38.9	39.9	1.25	422	342.6	17.4	7.36	3463	3579	2752
7/6/25 17:00	6.73	276	21.4	5.51	16.6	37.5	37.6	39.9	1.25	421	351.9	17.3	7.45	3521	3502	2752
7/6/25 18:00	6.82	275	22.1	6.20	16.6	41.0	37.4	39.9	1.26	422	349.7	17.3	7.51	3464	3490	2752
7/6/25 19:00	6.73	275	20.5	6.32	16.6	38.5	38.6	39.9	1.24	422	354.8	17.3	7.44	3506	3483	2752
7/6/25 20:00	6.74	274	20.8	5.63	16.6	36.7	39.0	39.9	1.25	422	342.3	17.3	7.49	3401	3497	2752
7/6/25 21:00	6.76	274	21.0	5.51	16.6	36.7	38.7	39.9	1.24	421	339.1	17.3	7.43	3365	3457	2752
7/6/25 22:00	6.90	276	20.3	5.58	16.7	35.7	37.3	39.9	1.24	420	347.0	17.3	7.48	3479	3424	2752
7/6/25 23:00	7.04	278	20.7	5.83	17.0	37.4	36.4	39.9	1.24	419	322.6	17.4	7.52	3294	3415	2752
7/7/25 0:00	7.31	277	23.1	6.59	16.6	44.4	36.6	39.9	1.24	419	320.9	17.4	7.53	3270	3379	2752
7/7/25 1:00	7.13	276	21.6	6.70	16.5	42.0	39.2	39.9	1.24	421	321.4	17.3	7.54	3264	3348	2752
7/7/25 2:00	7.18	275	21.4	5.87	16.7	38.7	41.3	39.9	1.24	420	329.6	17.3	7.59	3334	3276	2752
7/7/25 3:00	7.06	274	22.2	5.84	16.7	39.9	41.7	39.9	1.23	419	318.3	17.3	7.57	3199	3289	2752
7/7/25 4:00	7.01	274	21.6	5.80	16.6	38.8	40.2	39.9	1.23	420	323.4	17.3	7.63	3231	3265	2752
7/7/25 5:00	7.06	275	21.7	5.80	16.8	39.1	39.1	39.9	1.25	426	497.8	17.0	8.15	4505	3255	2752
7/7/25 6:00	7.06	276	25.9	6.45	17.0	49.8	39.3	39.9	1.25	427	353.5	17.2	7.92	3433	3645	2752
7/7/25 7:00	7.05	275	22.4	5.87	17.1	41.1	42.6	39.9	1.24	424	367.6	17.1	7.96	3521	3723	2752
7/7/25 8:00	6.95	276	20.6	5.38	17.0	36.0	43.3	39.9	1.25	425	364.7	17.1	8.00	3482	3820	2752
7/7/25 9:00	7.00	278	20.5	5.42	16.9	35.8	42.3	39.9	1.24	423	370.4	17.0	7.83	3371	3479	2752
7/7/25 10:00	7.10	280	20.5	5.42	16.8	35.8	37.6	39.9	1.24	434	4061.8	17.0	7.72	34911	3458	2756
7/7/25 11:00	7.01	283	20.2	5.50	16.8	35.5	35.9	39.9	1.22	429	3098.5	17.5	7.24	32597	13921	2759
7/7/25 12:00	7.26	284	21.9	6.24	16.8	40.9	35.7	39.9	1.23	418	466.7	17.5	7.40	4989	23626	2760
7/7/25 13:00	7.35	284	20.9	6.36	16.9	39.5	37.4	39.9	1.23	414	300.8	17.6	7.27	3325	24165	2760
7/7/25 14:00	7.25	281	21.2	5.71	16.8	37.9	38.6	39.9	1.22	412	367.5	17.6	7.17	3976	13637	2760
7/7/25 15:00	6.96	280	19.9	5.52	16.8	34.9	39.4	39.9	1.23	415						

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
7/9/25 4:00	7.21	275	15.6	5.35	16.8	27.0	27.0	39.9	1.27	417	316.0	17.5	6.99	3209	3307	2761
7/9/25 5:00	6.97	272	15.6	5.41	16.9	27.1	26.6	39.9	1.26	417	312.6	17.5	7.01	3234	3238	2761
7/9/25 6:00	6.93	274	17.0	6.11	16.9	31.6	26.8	39.9	1.26	416	306.4	17.5	7.11	3194	3227	2761
7/9/25 7:00	7.07	275	15.5	5.57	17.0	27.5	28.6	39.9	1.27	416	308.1	17.5	7.13	3164	3212	2761
7/9/25 8:00	7.02	274	15.6	5.17	17.0	26.7	28.7	39.9	1.27	419	308.8	17.5	7.27	3220	3197	2761
7/9/25 9:00	7.00	275	17.1	5.34	16.8	29.6	28.6	39.9	1.26	421	305.1	17.5	7.32	3194	3193	2761
7/9/25 10:00	7.07	278	13.5	5.19	16.5	22.9	27.9	39.9	1.27	420	313.0	17.4	7.36	3239	3193	2761
7/9/25 11:00	7.14	276	13.3	5.25	16.5	22.7	26.4	39.9	1.26	419	305.1	17.4	7.33	3183	3218	2761
7/9/25 12:00	7.17	277	13.8	6.08	16.6	25.5	25.1	39.9	1.26	417	306.7	17.5	7.36	3253	3205	2761
7/9/25 13:00	7.21	278	14.2	6.27	16.8	26.7	23.7	39.9	1.24	415	296.2	17.5	7.30	3143	3225	2761
7/9/25 14:00	7.06	277	15.7	5.67	17.1	28.1	25.0	39.9	1.25	415	298.3	17.5	7.42	3187	3193	2761
7/9/25 15:00	7.02	275	16.7	5.49	17.1	29.4	26.8	39.9	1.25	416	297.5	17.4	7.51	3165	3194	2761
7/9/25 16:00	6.98	273	16.9	5.46	17.2	29.8	28.1	39.9	1.24	416	304.4	17.5	7.47	3246	3165	2761
7/9/25 17:00	6.90	273	16.7	5.45	17.2	29.4	29.1	39.9	1.24	416	299.2	17.4	7.54	3160	3200	2761
7/9/25 18:00	6.95	274	18.6	6.06	17.3	34.5	29.5	39.9	1.23	416	291.7	17.4	7.55	3100	3190	2761
7/9/25 19:00	7.09	274	18.4	6.18	17.3	34.5	31.2	39.9	1.26	416	302.6	17.4	7.63	3184	3169	2761
7/9/25 20:00	6.96	279	18.2	5.96	17.0	33.3	32.8	39.9	1.32	414	293.3	17.5	7.23	3088	3148	2761
7/9/25 21:00	7.39	280	19.2	5.67	17.0	34.3	34.1	39.9	1.29	414	339.9	17.4	7.35	3505	3124	2761
7/9/25 22:00	7.20	282	18.6	5.61	17.0	33.1	34.0	39.8	1.25	414	304.0	17.4	7.42	3157	3259	2761
7/9/25 23:00	7.68	284	16.6	5.89	17.1	30.3	33.6	39.8	1.25	412	300.7	17.4	7.48	3082	3250	2761
7/10/25 0:00	7.81	278	17.7	6.08	17.0	32.9	32.5	39.8	1.26	410	294.9	17.3	7.47	2970	3248	2761
7/10/25 1:00	7.30	275	17.8	6.27	17.2	33.7	32.1	39.8	1.30	412	298.9	17.4	7.59	3060	3070	2761
7/10/25 2:00	7.23	274	19.6	5.82	17.2	35.6	32.3	39.8	1.25	415	298.3	17.4	7.55	3090	3037	2761
7/10/25 3:00	7.24	274	18.7	5.49	17.1	33.0	34.1	39.8	1.25	415	303.4	17.4	7.51	3129	3040	2761
7/10/25 4:00	7.25	274	17.9	5.41	17.0	31.4	34.1	39.8	1.26	415	302.4	17.4	7.44	3109	3093	2761
7/10/25 5:00	7.14	274	17.6	5.38	17.0	30.7	33.3	39.8	1.25	414	298.8	17.4	7.32	3112	3109	2761
7/10/25 6:00	7.24	274	19.1	6.00	17.0	35.1	31.7	39.8	1.25	414	297.7	17.4	7.36	3098	3117	2761
7/10/25 7:00	7.14	274	18.0	5.65	17.1	32.3	32.4	39.8	1.25	416	289.8	17.4	7.36	3022	3106	2761
7/10/25 8:00	7.05	275	15.7	5.25	17.0	27.1	32.7	39.8	1.26	416	282.2	17.5	7.33	2965	3077	2761
7/10/25 9:00	7.11	276	15.1	5.27	17.0	26.1	31.5	39.8	1.24	416	278.7	17.5	7.32	2947	3028	2761
7/10/25 10:00	6.98	275	17.6	5.33	17.0	30.5	28.5	39.8	1.25	419	292.1	17.5	7.33	3072	2978	2761
7/10/25 11:00	6.98	276	17.5	5.36	17.0	30.5	27.9	39.8	1.24	420	279.8	17.5	7.28	2945	2995	2761
7/10/25 12:00	7.10	275	19.3	5.90	17.0	35.2	29.0	39.8	1.25	417	276.1	17.5	7.31	2912	2988	2761
7/10/25 13:00	7.03	277	18.4	6.13	17.1	34.3	32.0	39.8	1.23	419	291.5	17.4	7.47	3053	2976	2761
7/10/25 14:00	7.16	278	19.2	5.84	17.2	35.0	33.3	39.8	1.23	420	290.2	17.4	7.63	3036	2970	2761
7/10/25 15:00	7.06	279	18.9	5.53	17.2	33.5	34.8	39.8	1.23	422	291.4	17.4	7.59	3070	3000	2761
7/10/25 16:00	7.17	282	19.2	5.57	17.0	34.0	34.2	39.8	1.22	422	293.1	17.4	7.50	3104	3053	2761
7/10/25 17:00	7.32	283	18.8	5.59	17.2	33.4	34.2	39.8	1.23	421	295.6	17.4	7.68	3137	3070	2761
7/10/25 18:00	7.34	282	18.4	6.13	17.2	34.5	33.6	39.8	1.23	420	289.1	17.4	7.72	3083	3104	2761
7/10/25 19:00	7.18	280	18.5	6.30	17.4	35.3	34.0	39.8	1.25	417	288.4	17.4	7.71	3056	3108	2761
7/10/25 20:00	7.12	277	19.1	5.82	17.3	34.8	34.4	39.8	1.22	418	290.7	17.4	7.62	3059	3092	2761
7/10/25 21:00	7.02	276	18.9	5.50	17.4	33.6	34.9	39.8	1.23	418	281.1	17.4	7.61	2984	3066	2761
7/10/25 22:00	7.10	276	18.9	5.47	17.5	33.4	34.6	39.7	1.23	418	283.8	17.4	7.68	3012	3033	2761
7/10/25 23:00	7.08	278	17.9	5.74	17.4	32.4	34.0	39.7	1.26	417	279.0	17.4	7.54	2969	3018	2761
7/11/25 0:00	7.31	278	19.6	6.26	17.3	37.1	33.2	39.7	1.25	416	287.8	17.4	7.49	3036	2988	2761
7/11/25 1:00	7.05	274	19.8	6.37	17.4	37.9	34.3	39.7	1.23	416	280.4	17.4	7.41	2946	3006	2761
7/11/25 2:00	6.79	274	19.8	5.57	17.1	35.2	35.8	39.7	1.26	415	279.4	17.5	7.15	2913	2984	2761
7/11/25 3:00	6.88	274	19.9	5.46	17.1	34.9	36.7	39.7	1.27	414	281.1	17.5	7.05	2951	2965	2761
7/11/25 4:00	6.88	274	20.3	5.44	17.0	35.6	36.0	39.7	1.28	412	278.3	17.5	7.01	2899	2937	2761
7/11/25 5:00	6.93	275	20.2	5.42	17.0	35.3	35.2	39.7	1.24	412	273.4	17.5	6.99	2873	2921	2761
7/11/25 6:00	7.01	274	20.0	6.12	17.0	37.2	35.3	39.7	1.25	412	272.8	17.5	7.02	2838	2908	2761
7/11/25 7:00	6.91	274	18.6	5.75	17.1	33.7	36.0	39.7	1.25	412	273.8	17.5	7.07	2833	2870	2760
7/11/25 8:00	7.00	275	16.2	5.31	17.1	28.2	35.4	39.7	1.25	413	270.8	17.5	7.16	2843	2848	2760
7/11/25 9:00	6.95	276	17.6	5.41	17.1	30.8	33.0	39.7	1.25	418	286.6	17.5	7.34	3032	2838	2760
7/11/25 10:00	6.95	277	17.9	5.38	17.1	31.2	30.9	39.7	1.24	419	273.7	17.5	7.29	2916	2903	2760
7/11/25 11:00	7.01	276	17.7	5.34	17.2	30.8	30.1	39.7	1.24	418	265.6	17.5	7.28	2821	2931	2760
7/11/25 12:00	6.97	278	20.1	5.93	17.1	36.8	31.0	39.7	1.23	419	268.5	17.5	7.37	2838	2923	2760
7/11/25 13:00	7.14	278	19.9	6.07	17.3	37.0	32.9	39.7	1.23	420	279.8	17.4	7.52	2959	2858	2760
7/11/25 14:00	7.11	280	20.0	6.10	17.4	37.3	34.8	39.7	1.21	421	279.7	17.4	7.77	2969	2873	2760
7/11/25 15:00	7.07	277	20.3	5.83	17.5	37.1	37.0	39.7	1.20	422	283.8	17.4	7.87	3016	2922	2760
7/11/25 16:00	6.84	277	20.4	5.64	17.5	36.6	37.1	39.7	1.21	422	274.7	17.4	7.93	2932	2982	2760
7/11/25 17:00	6.86	276	20.2	5.63	17.6											

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%	3Hr			Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	3Hr		
						1Hr	Air, H2O Corrected	365Day						1 Hr	Air, H2O Corrected	365Day
						ppmv	ppmv	ppmv						ppmv	ppmv	ppmv
7/13/25 6:00	6.99	276	22.1	6.02	17.3	41.0	39.3	39.7	1.22	416	293.1	17.3	7.79	3049	3011	2759
7/13/25 7:00	7.23	285	18.5	6.49	16.6	35.3	39.8	39.7	1.22	415	290.7	17.3	7.82	2975	3024	2759
7/13/25 8:00	7.74	291	15.8	6.86	16.0	30.7	38.3	39.7	1.22	415	279.3	17.3	7.82	2849	3024	2759
7/13/25 9:00	7.72	318	17.9	8.33	14.2	39.2	35.7	39.7	1.23	410	278.8	17.3	7.84	2883	2958	2759
7/13/25 10:00	9.95	336	24.3	8.11	14.0	51.1	35.1	39.7	1.23	407	283.7	17.4	7.58	2910	2902	2759
7/13/25 11:00	8.89	338	25.0	7.93	14.5	52.4	40.3	39.7	1.24	415	295.4	17.3	7.84	2993	2881	2759
7/13/25 12:00	8.58	339	26.7	9.01	14.4	62.8	47.6	39.7	1.23	420	286.6	17.3	7.99	2942	2929	2759
7/13/25 13:00	8.66	334	24.4	9.77	13.4	61.2	55.4	39.7	1.23	423	297.5	17.3	8.05	3048	2948	2759
7/13/25 14:00	9.42	332	25.1	9.07	13.5	58.0	58.8	39.7	1.23	424	303.0	17.2	8.12	3110	2994	2759
7/13/25 15:00	9.35	328	26.1	9.16	13.5	60.9	60.7	39.7	1.24	423	301.1	17.3	8.03	3109	3033	2759
7/13/25 16:00	9.31	325	26.2	9.23	13.5	61.5	60.0	39.7	1.23	420	284.9	17.3	7.98	2972	3089	2759
7/13/25 17:00	9.24	333	26.6	8.38	14.2	58.0	60.1	39.7	1.22	420	291.0	17.3	7.82	3029	3064	2759
7/13/25 18:00	8.65	337	27.6	8.92	14.0	63.5	60.1	39.7	1.20	421	294.0	17.4	7.26	3041	3037	2759
7/13/25 19:00	8.49	339	25.6	9.02	13.9	59.3	61.0	39.7	1.22	421	290.4	17.4	7.23	2975	3014	2759
7/13/25 20:00	8.57	338	27.1	8.29	13.9	58.2	60.3	39.7	1.26	420	289.3	17.4	7.17	2957	3015	2759
7/13/25 21:00	8.46	337	27.6	8.24	13.9	59.0	60.3	39.7	1.26	419	289.2	17.4	7.13	2938	2991	2759
7/13/25 22:00	8.62	340	27.2	8.26	13.8	57.9	58.8	39.7	1.27	419	287.5	17.5	7.09	2948	2957	2759
7/13/25 23:00	8.77	341	27.0	8.29	14.3	58.4	58.4	39.7	1.29	418	283.2	17.5	7.02	2938	2948	2759
7/14/25 0:00	8.89	338	27.7	9.10	13.9	65.1	58.4	39.7	1.27	417	292.3	17.5	7.05	3050	2941	2759
7/14/25 1:00	8.84	333	29.0	9.11	14.0	68.4	60.5	39.7	1.23	417	289.0	17.5	7.06	3041	2978	2759
7/14/25 2:00	8.72	340	26.1	8.27	13.7	55.6	64.0	39.7	1.26	417	294.1	17.5	7.06	3084	3010	2759
7/14/25 3:00	9.18	343	26.6	8.24	13.8	56.6	63.0	39.7	1.24	417	284.2	17.5	7.00	2958	3058	2759
7/14/25 4:00	9.19	342	25.3	8.28	13.8	54.0	60.2	39.7	1.23	415	269.0	17.6	6.83	2870	3028	2759
7/14/25 5:00	9.16	338	26.2	8.24	14.2	56.2	55.4	39.7	1.22	412	247.7	17.7	6.69	2712	2971	2759
7/14/25 6:00	8.97	332	29.6	9.05	14.1	69.2	55.6	39.7	1.21	411	252.5	17.7	6.72	2754	2847	2759
7/14/25 7:00	8.78	328	29.3	8.69	14.1	65.8	59.8	39.7	1.21	411	244.3	17.7	6.76	2675	2779	2759
7/14/25 8:00	8.64	331	30.2	8.28	14.0	64.9	63.7	39.7	1.28	412	375.4	17.5	7.10	3926	2714	2759
7/14/25 9:00	8.76	331	31.7	8.31	14.0	68.1	66.6	39.7	1.25	413	370.1	17.6	7.08	4022	3118	2759
7/14/25 10:00	8.64	330	30.5	8.40	13.8	66.2	66.3	39.7	1.23	413	267.9	17.6	7.18	2902	3541	2759
7/14/25 11:00	8.71	329	32.5	8.42	13.6	70.3	66.4	39.7	1.20	418	252.8	17.5	7.25	2727	3617	2759
7/14/25 12:00	8.74	330	34.8	9.06	13.8	81.1	68.2	39.7	1.23	419	241.7	17.5	7.37	2623	3217	2759
7/14/25 13:00	8.73	340	37.1	7.93	15.0	78.6	72.5	39.7	1.21	418	246.4	17.5	7.39	2665	2751	2759
7/14/25 14:00	7.97	346	36.3	7.58	15.0	74.2	76.6	39.7	1.22	418	240.9	17.5	7.34	2611	2672	2759
7/14/25 15:00	8.00	347	35.1	7.27	15.1	69.8	78.0	39.7	1.22	417	267.3	17.5	7.46	2893	2633	2758
7/14/25 16:00	8.00	349	34.0	7.21	15.1	67.3	74.2	39.7	1.22	418	251.1	17.5	7.57	2725	2723	2758
7/14/25 17:00	8.14	350	32.9	7.24	15.1	65.3	70.4	39.8	1.22	417	246.7	17.5	7.56	2677	2743	2758
7/14/25 18:00	8.13	347	33.4	7.81	15.0	70.0	67.4	39.8	1.22	416	242.9	17.5	7.49	2644	2765	2758
7/14/25 19:00	7.97	347	32.2	7.89	15.0	67.8	67.5	39.8	1.21	414	242.2	17.5	7.35	2647	2682	2758
7/14/25 20:00	7.96	350	31.5	7.64	14.9	64.7	67.7	39.8	1.20	413	249.3	17.6	7.19	2734	2656	2758
7/14/25 21:00	8.12	348	32.3	7.21	15.1	63.9	67.5	39.8	1.21	413	242.5	17.5	7.49	2669	2675	2758
7/14/25 22:00	7.97	350	31.6	7.21	15.7	63.2	65.5	39.8	1.20	413	243.6	17.5	7.35	2658	2683	2758
7/14/25 23:00	8.30	350	31.5	7.20	14.9	62.1	63.9	39.8	1.22	413	243.5	17.6	7.00	2643	2687	2758
7/15/25 0:00	8.13	349	34.0	7.92	14.9	71.8	63.0	39.8	1.23	412	241.4	17.6	6.94	2589	2657	2758
7/15/25 1:00	8.13	349	34.1	8.06	14.9	73.1	65.7	39.8	1.22	411	240.8	17.6	6.94	2590	2630	2758
7/15/25 2:00	8.17	346	35.3	7.37	15.0	70.6	69.0	39.8	1.20	411	232.3	17.6	6.91	2508	2608	2758
7/15/25 3:00	7.96	341	36.2	7.21	15.0	71.4	71.8	39.8	1.22	410	242.0	17.6	6.93	2646	2562	2758
7/15/25 4:00	7.89	338	37.4	7.14	14.9	73.2	71.7	39.8	1.22	409	236.7	17.6	6.90	2591	2581	2758
7/15/25 5:00	7.82	340	36.6	7.13	14.8	71.3	71.7	39.8	1.22	408	232.5	17.6	6.80	2525	2582	2758
7/15/25 6:00	8.00	340	37.3	7.81	14.6	77.6	72.0	39.8	1.22	407	229.1	17.7	6.67	2493	2588	2758
7/15/25 7:00	7.90	339	35.4	7.34	14.6	70.2	74.1	39.8	1.22	407	226.5	17.6	6.69	2433	2537	2758
7/15/25 8:00	7.89	340	35.1	6.87	14.8	66.8	73.1	39.8	1.22	408	225.3	17.6	6.79	2400	2484	2758
7/15/25 9:00	7.82	339	36.2	6.83	14.9	68.9	71.6	39.8	1.24	412	231.1	17.6	7.00	2466	2442	2757
7/15/25 10:00	7.67	338	36.4	6.83	15.0	69.3	68.6	39.8	1.23	413	226.3	17.5	7.08	2414	2433	2757
7/15/25 11:00	7.74	338	37.0	6.83	15.0	70.5	68.3	39.8	1.22	414	224.0	17.5	7.21	2396	2427	2757
7/15/25 12:00	7.68	336	39.3	7.57	14.8	80.3	69.5	39.8	1.21	415	224.5	17.5	7.16	2408	2425	2757
7/15/25 13:00	7.60	338	38.9	7.80	15.1	81.4	73.3	39.8	1.20	416	241.8	17.5	7.35	2599	2406	2757
7/15/25 14:00	7.67	340	37.8	7.29	14.7	74.9	77.4	39.8	1.19	416	232.3	17.5	7.42	2507	2468	2757
7/15/25 15:00	7.62	341	38.6	7.04	15.2	75.3	78.8	39.8	1.21	418	239.3	17.4	7.62	2561	2505	2757
7/15/25 16:00	7.63	339	38.5	6.97	15.1	74.5	77.2	39.8	1.20	418	238.8	17.5	7.48	2571	2556	2757
7/15/25 17:00	7.59	346	35.5	6.97	14.9	68.4	74.9	39.8	1.19	418	240.7	17.5	7.39	2592	2546	2757
7/15/25 18:00	7.93	348	35.7	7.56	15.0	72.9	72.7	39.8	1.19	416	235.6	17.5	7.41	2571	2574	2757
7/15/25 19:00	7.90	348	35.8	7.83	15.4	75.5	71.9	39.8	1.20	414	225.1	17.5	7.57	2458	2578	2757
7/15/25 20:00	7.98	342	36.6	7.19	15.6	73.0	72.3	39.8	1.21	413	220.9	17.5	7.74	2423	2540	2757
7/15/25 21:00	7.70	339	37.3	6.99	15.3	72.7	73.8	39.8	1.21	411	225.8	17.5	7.44	2491	2484	2757
7/15/25 22:00	7.76	340	35.8	6.99	15.6	70.0	73.7	39.8	1.21	409	223.9	17.5	7.51	2461	2457	2757
7/15/25 23:00	7.88	339	35.7	7.01	15.2	69.3	71.9	39.8	1.20	407	209.6	17.6	7.31	2321	2458	2757
7/16/25 0:00	7.83	336	37.9	7.74	14.9	78.7	70.7	39.9	1.20	406	216.4	17.6	6.93	2396	2424	2757
7/16/25 1:00	7.75	335	38.8	7.84	14.5	80.6	72.7	39.9	1.20	405	251.4	17.7	6.62	2751	2393	2757
7/16/25 2:00	7.69	333	39.7	7.20	14.5	77.6	76.2	39.9	1.19	404	232.7	17.7	6.60	2544	2490	2757
7/16/25 3:00	7.60	329	40.0	7.02	14.6	77.0	79.0	39.9	1.20	405	250.0	17.7	6.72	2744	2564	2757
7/16																

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 ppmv	3Hr		Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr ppmv	3Hr	
							Air, H2O Corrected	365Day							Air, H2O Corrected	365Day
							ppmv	ppmv								
7/17/25 8:00	8.87	330	36.1	7.74	14.4	74.0	74.4	39.9	1.19	394	213.4	17.5	7.21	2263	2275	2755
7/17/25 9:00	8.99	331	36.8	7.69	14.4	75.2	75.8	39.9	1.19	394	216.6	17.4	7.12	2196	2239	2755
7/17/25 10:00	9.06	338	34.1	7.68	14.3	69.3	75.4	40.0	1.19	392	198.0	17.4	6.94	1953	2221	2755
7/17/25 11:00	9.23	338	34.2	7.74	14.2	69.9	72.9	40.0	1.20	392	190.7	17.5	6.96	1944	2137	2754
7/17/25 12:00	9.22	337	35.7	8.47	14.2	78.6	71.5	40.0	1.21	389	191.0	17.5	6.78	1965	2031	2754
7/17/25 13:00	9.12	332	36.5	8.71	13.9	81.8	72.6	40.0	1.25	390	206.0	17.6	6.87	2238	1954	2754
7/17/25 14:00	8.82	331	37.4	8.32	13.9	80.5	76.7	40.0	1.25	390	199.1	17.7	6.55	2215	2049	2754
7/17/25 15:00	8.73	331	36.7	7.91	13.9	75.7	80.3	40.0	1.23	390	191.7	17.7	6.46	2121	2140	2754
7/17/25 16:00	8.86	331	36.9	7.90	13.8	75.9	79.4	40.0	1.22	388	190.7	17.8	6.28	2077	2191	2754
7/17/25 17:00	8.95	328	37.1	7.89	13.7	76.1	77.4	40.0	1.23	387	190.6	17.7	6.38	2063	2138	2754
7/17/25 18:00	8.87	328	37.7	8.40	13.7	81.4	75.9	40.0	1.23	387	194.5	17.7	6.41	2117	2087	2754
7/17/25 19:00	8.97	329	37.3	8.60	13.6	82.1	77.8	40.0	1.24	388	191.2	17.7	6.38	2082	2086	2754
7/17/25 20:00	9.03	326	38.3	8.34	13.5	82.0	79.9	40.0	1.23	389	181.8	17.8	6.27	1988	2088	2753
7/17/25 21:00	8.88	326	36.6	7.80	14.0	75.1	81.8	40.0	1.30	389	186.3	17.7	6.38	2017	2063	2753
7/17/25 22:00	9.10	323	36.6	7.72	13.6	73.6	79.7	40.0	1.30	388	187.2	17.7	6.24	2015	2029	2753
7/17/25 23:00	8.98	324	35.6	7.72	13.4	71.5	76.9	40.0	1.32	387	189.9	17.8	6.16	2057	2007	2753
7/18/25 0:00	9.12	321	37.2	8.36	13.4	79.5	73.4	40.0	1.30	386	183.3	17.8	6.11	1961	2030	2753
7/18/25 1:00	8.92	324	35.3	8.53	13.4	76.8	74.9	40.0	1.31	386	192.5	17.8	6.03	2074	2011	2753
7/18/25 2:00	9.33	327	35.5	8.08	13.3	73.7	75.9	40.0	1.30	385	179.6	17.8	5.99	1949	2031	2753
7/18/25 3:00	9.30	325	36.2	8.01	13.3	74.6	76.6	40.0	1.29	385	184.3	17.8	5.99	1991	1995	2753
7/18/25 4:00	9.27	319	38.4	7.77	13.2	77.1	75.0	40.0	1.25	386	187.2	17.8	6.02	1999	2005	2753
7/18/25 5:00	8.90	315	38.4	7.72	13.2	76.9	75.1	40.0	1.27	387	205.5	17.7	6.02	2160	1980	2752
7/18/25 6:00	8.88	312	40.0	8.38	13.2	85.5	76.2	40.0	1.26	386	185.4	17.7	6.04	1942	2050	2752
7/18/25 7:00	8.81	312	36.9	7.91	13.3	75.5	79.8	40.0	1.29	387	182.5	17.7	6.06	1932	2034	2752
7/18/25 8:00	8.71	312	35.0	7.60	13.3	69.2	79.3	40.0	1.24	390	191.3	17.7	6.17	2028	2011	2752
7/18/25 9:00	8.65	312	35.6	7.58	13.2	70.1	76.7	40.0	1.22	395	192.5	17.7	6.20	2061	1968	2752
7/18/25 10:00	8.52	312	35.9	7.56	13.1	70.6	71.6	40.1	1.23	398	193.0	17.8	6.17	2080	2007	2752
7/18/25 11:00	8.61	312	36.3	7.61	13.1	71.6	70.0	40.1	1.22	399	201.2	17.8	6.19	2168	2056	2752
7/18/25 12:00	8.60	309	36.5	8.32	13.1	77.3	70.8	40.1	1.22	399	202.4	17.7	6.22	2174	2103	2752
7/18/25 13:00	8.44	311	35.0	8.51	13.1	75.5	73.2	40.1	1.21	399	197.6	17.8	6.23	2136	2141	2752
7/18/25 14:00	8.52	275	29.1	10.39	10.7	73.1	74.8	40.1	1.22	400	223.1	17.7	6.26	2404	2160	2752
7/18/25 15:00	11.54	274	31.4	10.42	10.7	79.3	75.3	40.1	1.21	402	210.9	17.7	6.29	2273	2238	2751
7/18/25 16:00	10.25	282	31.8	9.71	11.3	74.9	76.0	40.1	1.21	402	217.9	17.7	6.23	2353	2271	2751
7/18/25 17:00	9.86	289	31.0	9.16	11.4	69.4	75.8	40.1	1.22	401	212.1	17.7	6.27	2293	2343	2751
7/18/25 18:00	9.82	297	32.1	9.83	11.9	77.9	74.5	40.1	1.23	398	217.6	17.7	6.34	2356	2306	2751
7/18/25 19:00	9.15	308	30.1	9.87	11.9	73.1	74.0	40.1	1.23	397	227.6	17.7	6.34	2445	2334	2751
7/18/25 20:00	9.53	319	28.9	9.10	12.1	64.8	73.5	40.1	1.20	398	211.4	17.7	6.34	2278	2365	2751
7/18/25 21:00	9.67	322	27.0	8.95	12.3	60.0	71.9	40.1	1.22	398	221.8	17.7	6.53	2376	2360	2751
7/18/25 22:00	9.55	323	18.7	8.79	12.8	41.2	66.0	40.1	1.22	396	219.9	17.7	6.47	2363	2367	2751
7/18/25 23:00	9.75	329	15.4	8.67	12.9	33.6	55.4	40.1	1.22	396	246.9	17.7	6.48	2635	2339	2751
7/19/25 0:00	9.88	328	12.7	9.21	13.0	29.4	44.9	40.1	1.22	396	221.1	17.7	6.48	2368	2458	2751
7/19/25 1:00	9.75	312	14.1	8.08	14.2	29.7	34.7	40.1	1.21	396	220.8	17.7	6.41	2335	2455	2751
7/19/25 2:00	8.46	287	17.3	7.01	14.4	33.1	30.9	40.1	1.21	395	226.8	17.7	6.29	2419	2446	2751
7/19/25 3:00	8.07	270	14.2	5.21	16.1	24.1	30.8	40.1	1.26	393	214.4	17.7	6.06	2236	2374	2751
7/19/25 4:00	6.98	264	12.2	4.94	16.4	20.3	29.0	40.1	1.26	391	205.8	17.7	6.01	2146	2330	2751
7/19/25 5:00	7.02	264	10.4	4.95	16.3	17.3	25.9	40.1	1.26	390	201.0	17.8	5.94	2110	2267	2751
7/19/25 6:00	7.19	264	11.1	5.63	16.3	19.6	20.6	40.1	1.25	390	191.4	17.7	5.96	2003	2164	2751
7/19/25 7:00	7.08	263	15.2	5.33	16.6	26.1	19.1	40.1	1.24	392	188.9	17.7	6.00	1984	2087	2751
7/19/25 8:00	7.03	268	13.6	5.30	16.6	23.4	21.0	40.1	1.24	395	231.2	17.7	6.23	2389	2032	2751
7/19/25 9:00	7.53	273	14.6	5.24	17.1	25.2	23.0	40.1	1.23	398	206.7	17.7	6.33	2164	2125	2751
7/19/25 10:00	7.58	273	14.6	5.05	17.4	24.9	24.9	40.1	1.22	400	199.9	17.7	6.42	2112	2179	2751
7/19/25 11:00	7.61	276	14.6	4.91	17.4	24.7	24.5	40.1	1.21	402	216.8	17.6	6.72	2275	2222	2750
7/19/25 12:00	7.91	278	16.6	5.22	17.4	28.6	24.9	40.1	1.21	406	212.1	17.6	6.89	2237	2184	2750
7/19/25 13:00	8.08	281	16.3	5.28	17.2	28.3	26.1	40.1	1.20	407	211.0	17.5	6.89	2213	2208	2750
7/19/25 14:00	8.15	282	15.9	5.29	17.0	27.4	27.2	40.1	1.20	408	214.1	17.5	6.91	2233	2242	2750
7/19/25 15:00	8.18	282	15.9	5.30	16.9	27.5	28.1	40.1	1.20	409	223.6	17.5	6.92	2330	2228	2750
7/19/25 16:00	8.17	282	16.3	5.25	16.9	28.1	27.7	40.1	1.19	410	222.1	17.5	6.96	2302	2259	2750
7/19/25 17:00	8.14	282	14.9	5.14	16.9	25.5	27.7	40.1	1.20	410	234.6	17.5	7.04	2419	2289	2750
7/19/25 18:00	8.19	282	15.1	5.25	16.9	25.9	27.0	40.1	1.19	410	264.4	17.5	7.03	2745	2351	2750
7/19/25 19:00	8.19	282	14.3	5.31	16.9	24.7	26.5	40.0	1.20	408	268.1	17.5	7.12	2775	2489	2750
7/19/25 20:00	8.19	282	12.6	5.36	17.1	21.9	25.4	40.0	1.21	406	241.3	17.5	7.23	2500	2646	2750
7/19/25 21:00	8.25	282	11.4	5.55	17.1	20.2	24.2	40.0	1.21	406	240.9	17.4	7.23	2481	2673	2750
7/19/25 22:00	8.31	284	12.2	5.86	17.1	22.2	22.3	40.0	1.21	409	260.5	17.4	7.28	2666	2586	2750
7/19/25 23:00	8.46	282	12.7	5.49	17.0	22.3	21.4	40.0	1.20	409	264.0	17.4	7.27	2703	2549	2750
7/20/25 0:00	8.18	279	15.2	5.50	17.0	26.8	21.6	40.0	1.21	409	290.2	17.4	7.22	2939	2617	2750
7/20/25 1:00	8.09	279	16.2	5.55	17.1	28.7	23.8	40.0	1.21	410	261.1	17.4	7.25	2641	2770	2751
7/20/25 2:00	8.05	278	15.7	5.57	17.1	27.8	25.9	40.0	1.21	409	259.2	17.4	7.06	2613	2761	2751
7/20/25 3:00	8.04	278	14.9	5.50	17.1	26.3	27.8	40.0	1.20	409	265.0	17.4	7.13	2642	2731	2751
7/20/25 4:00	8.01	279	12.7	5.34	17.2	22.2	27.6	40.0	1.22	409	265.8	17.4	7.20	2655	2632	2751
7/20/25 5:00	8.09	278	11.6	5.16	17.3	19.9	25.4	40.0	1.24	405	265.4	17.3	7.46	2621	2637	

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		Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	
						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	365Day ppmv						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	365Day ppmv
7/21/25 10:00	7.95	288	31.2	5.60	15.8	54.2	54.7	40.0	1.30	401	266.8	17.5	6.49	2653	2605	2751
7/21/25 11:00	7.94	288	34.9	5.55	15.7	60.2	52.8	40.0	1.29	403	267.3	17.5	6.47	2670	2626	2751
7/21/25 12:00	7.98	288	37.1	6.27	15.7	68.2	56.0	40.0	1.22	407	274.9	17.5	6.56	2768	2648	2751
7/21/25 13:00	7.94	286	36.8	6.32	15.8	68.1	60.9	40.0	1.21	410	291.7	17.5	6.61	2936	2697	2751
7/21/25 14:00	7.96	286	35.1	5.63	15.8	61.3	65.5	40.0	1.21	411	277.7	17.5	6.55	2794	2792	2751
7/21/25 15:00	7.98	286	32.4	5.46	15.8	55.8	65.9	40.0	1.22	410	278.1	17.5	6.55	2799	2833	2751
7/21/25 16:00	7.94	286	32.1	5.41	15.8	55.0	61.7	40.0	1.24	410	272.2	17.6	6.54	2759	2843	2751
7/21/25 17:00	7.93	286	31.4	5.36	15.8	53.6	57.4	40.0	1.23	408	271.3	17.6	6.54	2761	2784	2751
7/21/25 18:00	7.95	285	31.8	6.01	15.9	57.4	54.8	40.0	1.22	407	270.9	17.6	6.57	2764	2773	2751
7/21/25 19:00	7.94	285	30.8	6.19	16.0	56.5	55.4	40.0	1.23	407	273.0	17.6	6.58	2779	2761	2751
7/21/25 20:00	7.90	285	30.5	5.52	16.0	52.9	55.8	40.0	1.23	408	277.9	17.5	6.60	2809	2768	2751
7/21/25 21:00	7.94	286	29.2	5.37	16.1	50.1	55.6	40.0	1.24	407	281.0	17.6	6.56	2864	2784	2751
7/21/25 22:00	7.95	287	26.6	5.61	16.2	46.5	53.2	40.0	1.32	404	281.5	17.6	6.54	2855	2817	2751
7/21/25 23:00	7.98	289	25.5	5.81	16.4	45.5	49.8	40.0	1.31	402	279.4	17.5	6.58	2791	2842	2751
7/22/25 0:00	8.27	288	28.0	6.40	16.1	52.4	47.4	40.0	1.31	401	276.1	17.5	6.59	2747	2836	2751
7/22/25 1:00	8.02	282	29.5	6.31	16.2	54.9	48.1	40.0	1.31	400	277.3	17.5	6.63	2746	2798	2751
7/22/25 2:00	7.76	281	28.6	5.53	16.1	49.7	50.9	40.0	1.30	399	267.1	17.5	6.57	2664	2761	2751
7/22/25 3:00	7.87	281	27.6	5.41	16.1	47.4	52.3	40.0	1.32	399	281.1	17.5	6.61	2786	2719	2751
7/22/25 4:00	7.81	280	28.8	5.76	16.2	51.2	50.7	40.0	1.32	399	278.1	17.5	6.55	2779	2732	2751
7/22/25 5:00	7.81	281	30.2	5.98	16.2	54.6	49.4	40.0	1.33	398	278.6	17.5	6.55	2766	2743	2751
7/22/25 6:00	7.83	280	31.6	6.69	16.1	60.8	51.0	40.0	1.31	398	275.6	17.5	6.54	2690	2777	2751
7/22/25 7:00	7.77	280	28.2	6.26	16.2	52.5	55.5	40.0	1.31	400	284.8	17.4	6.60	2755	2745	2751
7/22/25 8:00	7.73	281	27.2	5.86	16.4	48.9	56.0	40.0	1.34	402	287.8	17.4	6.79	2762	2737	2751
7/22/25 9:00	7.78	283	29.7	5.91	16.4	53.5	54.1	40.0	1.34	402	287.1	17.3	6.98	2741	2736	2751
7/22/25 10:00	7.80	285	30.2	5.73	16.1	53.4	51.6	40.0	1.23	410	289.2	17.3	6.86	2739	2753	2751
7/22/25 11:00	7.78	284	32.7	5.56	16.0	56.9	52.0	40.0	1.22	414	293.1	17.4	6.77	2821	2747	2750
7/22/25 12:00	7.73	283	36.8	5.93	16.0	66.0	54.6	40.0	1.22	416	292.8	17.4	6.78	2857	2767	2750
7/22/25 13:00	7.66	284	36.4	6.06	16.0	65.9	58.8	40.0	1.23	416	298.8	17.4	6.76	2914	2806	2750
7/22/25 14:00	7.71	285	36.3	6.07	16.0	65.8	62.9	40.0	1.22	416	303.2	17.4	6.78	2983	2864	2750
7/22/25 15:00	7.75	286	35.9	5.62	16.1	62.9	65.9	40.0	1.21	416	312.8	17.4	6.87	3068	2918	2750
7/22/25 16:00	7.81	286	36.4	5.55	16.0	63.2	64.9	40.0	1.21	418	292.7	17.4	6.95	2882	2988	2750
7/22/25 17:00	7.82	285	36.2	5.57	16.1	63.0	64.0	40.1	1.21	416	295.5	17.4	7.03	2909	2978	2750
7/22/25 18:00	7.84	285	38.2	6.00	16.0	69.0	63.0	40.1	1.22	416	294.3	17.4	7.01	2893	2953	2750
7/22/25 19:00	7.83	285	37.0	6.14	16.3	68.1	65.1	40.1	1.22	415	304.2	17.3	7.15	2971	2895	2750
7/22/25 20:00	7.80	283	36.2	6.14	16.5	66.8	66.7	40.1	1.21	415	294.9	17.4	7.18	2895	2924	2750
7/22/25 21:00	7.77	283	34.8	5.71	16.5	61.8	67.9	40.1	1.22	413	298.3	17.4	7.23	2939	2920	2750
7/22/25 22:00	7.77	282	34.8	5.57	16.5	61.1	65.6	40.1	1.21	412	304.6	17.3	7.25	3004	2935	2750
7/22/25 23:00	7.71	283	33.8	5.69	16.1	59.5	63.2	40.1	1.22	412	323.4	17.3	7.32	3186	2946	2750
7/23/25 0:00	7.84	282	34.3	6.03	16.2	62.4	60.8	40.1	1.22	412	305.5	17.4	7.28	3027	3043	2750
7/23/25 1:00	7.73	280	34.1	5.89	16.5	61.5	61.0	40.1	1.22	414	306.7	17.4	7.23	3033	3073	2750
7/23/25 2:00	7.58	279	35.0	5.75	16.3	62.1	61.1	40.1	1.23	413	301.4	17.4	7.14	2970	3082	2750
7/23/25 3:00	7.58	279	34.8	5.29	16.4	59.6	62.0	40.1	1.22	411	297.8	17.4	7.06	2965	3010	2749
7/23/25 4:00	7.63	280	33.0	5.28	16.4	56.4	61.1	40.1	1.25	407	306.4	17.4	6.96	3024	2989	2749
7/23/25 5:00	7.67	280	31.2	5.30	16.4	53.4	59.4	40.1	1.25	405	291.8	17.5	6.87	2911	2986	2749
7/23/25 6:00	7.68	280	32.3	6.13	16.4	59.5	56.5	40.1	1.30	402	276.0	17.5	6.81	2784	2967	2749
7/23/25 7:00	7.66	281	33.8	6.02	16.4	61.6	56.4	40.1	1.29	400	269.7	17.5	6.81	2718	2906	2749
7/23/25 8:00	7.73	283	32.6	5.65	16.5	57.6	58.2	40.1	1.29	401	262.1	17.4	7.15	2617	2804	2749
7/23/25 9:00	7.76	285	34.4	5.64	16.4	60.6	59.6	40.1	1.27	402	256.6	17.4	7.21	2591	2706	2749
7/23/25 10:00	7.79	285	34.4	5.50	16.4	60.0	59.9	40.1	1.25	402	255.1	17.4	7.23	2601	2642	2748
7/23/25 11:00	7.71	284	34.4	5.42	16.4	59.5	59.4	40.1	1.21	407	252.7	17.5	7.13	2602	2603	2748
7/23/25 12:00	7.64	285	36.5	5.99	16.4	66.3	60.0	40.1	1.27	404	249.9	17.5	7.10	2587	2598	2748
7/23/25 13:00	7.69	286	36.5	6.15	16.4	67.2	61.9	40.1	1.27	403	247.9	17.5	7.10	2559	2597	2748
7/23/25 14:00	7.75	290	37.0	6.10	16.1	67.4	64.3	40.1	1.26	402	248.6	17.5	7.04	2591	2583	2748
7/23/25 15:00	8.04	292	38.7	5.66	16.0	67.8	67.0	40.1	1.21	404	250.9	17.5	7.10	2585	2579	2748
7/23/25 16:00	8.11	293	39.1	5.54	16.0	67.9	67.5	40.1	1.20	407	248.9	17.5	7.18	2560	2578	2748
7/23/25 17:00	8.14	293	39.5	5.52	16.1	68.5	67.7	40.1	1.19	410	261.7	17.4	7.37	2649	2579	2748
7/23/25 18:00	8.18	295	40.6	5.87	16.0	72.5	68.1	40.1	1.20	412	268.7	17.4	7.42	2710	2598	2748
7/23/25 19:00	8.30	294	40.0	5.92	16.1	71.7	69.6	40.1	1.21	412	268.0	17.4	7.45	2708	2640	2747
7/23/25 20:00	8.18	291	39.6	5.89	16.1	71.0	70.9	40.1	1.22	412	277.8	17.4	7.42	2805	2689	2747
7/23/25 21:00	8.09	291	39.0	5.71	16.3	69.1	71.7	40.1	1.22	411	278.8	17.4	7.44	2817	2741	2747
7/23/25 22:00	8.25	294	37.4	5.56	16.3	65.4	70.6	40.1	1.21	409	282.0	17.4	7.36	2862	2777	2747
7/23/25 23:00	8.37	292	36.2	5.58	16.0	63.0	68.5	40.1	1.20	408	282.4	17.4	7.39	2858	2828	2747
7/24/25 0:00	8.34	291	37.8	6.04	16.0	68.5	65.8	40.1	1.21	408	277.3	17.4	7.27	2793	2846	2747
7/24/25 1:00	8.20	291	37.0	6.18	15.8	67.6	65.6	40.1	1.21	406	278.9	17.4	7.04	2764	2837	2747
7/24/25 2:00	8.32	291	36.6	6.08	15.8	66.2	66.4	40.1	1.21	405	271.5	17.4	7.02	2663	2805	2747
7/24/25 3:00	8.32	293	36.8	5.48	15.9	63.4	67.5	40.1	1.21	405	279.8	17.3	7.15	2726	2740	2747
7/24/25 4:00	8.33	293	37.4	5.40	15.9	64.0	65.8	40.1	1.21	406	274.2	17.4	7.15	2730	2717	2747
7/24/25 5:00	8.35	293	37.3	5.35	16.0	63.7	64.6	40.1	1.22	406	278.3	17.4	7.07	2778	2706	2747
7/24/25 6:00	8.35	293	38.4	5.82	15.9	68.1	63.7	40.1	1.21	405	287.3	17.4	7.05	2833	2744	2747
7/24/25 7:00	8.25	295	37.0	5.51	15.9	64.1	65.3	40.1	1.20	407	281.1	17.4	7.04	2753	2780	2747
7/24/25 8:00	8.41	298	35.1	5.23	16.0	59.										

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 ppmv	3Hr		Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr ppmv	3Hr	
							Air, H2O Corrected	365Day							Air, H2O Corrected	365Day
7/25/25 12:00	8.35	303	36.0	6.32	16.1	67.1	58.7	40.1	1.20	411	308.2	17.3	7.55	3058	3038	2745
7/25/25 13:00	8.27	302	36.4	6.37	16.2	68.1	61.8	40.1	1.19	415	302.2	17.3	7.73	3027	3002	2745
7/25/25 14:00	8.28	301	36.5	5.59	16.1	63.7	65.0	40.1	1.19	417	304.3	17.3	7.74	3063	2969	2745
7/25/25 15:00	8.22	300	38.7	5.58	16.1	67.5	66.3	40.1	1.17	418	296.8	17.3	7.79	3011	3050	2745
7/25/25 16:00	8.24	299	40.3	5.59	16.1	70.3	66.5	40.1	1.17	418	286.4	17.3	7.75	2923	3034	2745
7/25/25 17:00	8.24	298	41.3	5.58	16.1	72.2	67.2	40.1	1.18	415	287.5	17.3	7.74	2937	2999	2745
7/25/25 18:00	8.23	298	42.8	6.15	16.2	78.6	70.0	40.1	1.18	415	285.5	17.3	7.71	2919	2957	2745
7/25/25 19:00	8.21	297	42.1	6.31	16.2	78.2	73.7	40.1	1.20	413	285.4	17.3	7.71	2949	2926	2745
7/25/25 20:00	8.17	297	39.8	5.76	16.4	71.0	76.3	40.1	1.21	411	291.4	17.3	7.74	2997	2935	2745
7/25/25 21:00	8.20	298	41.8	5.59	16.7	73.8	75.9	40.1	1.18	412	301.5	17.4	7.24	3039	2955	2745
7/25/25 22:00	8.17	299	43.1	5.63	16.7	76.3	74.3	40.1	1.22	411	293.7	17.5	7.02	2977	2995	2744
7/25/25 23:00	8.11	298	39.2	5.59	16.7	69.2	73.7	40.1	1.27	409	328.9	17.4	7.15	3304	3004	2744
7/26/25 0:00	8.21	295	39.3	6.26	16.2	73.0	73.1	40.1	1.25	409	305.5	17.4	7.08	3053	3107	2744
7/26/25 1:00	8.05	294	38.1	6.36	16.2	71.2	72.8	40.1	1.26	409	309.8	17.4	7.05	3070	3111	2744
7/26/25 2:00	8.09	293	37.4	5.48	16.2	64.8	71.1	40.1	1.27	409	319.5	17.4	7.10	3152	3142	2744
7/26/25 3:00	8.11	293	38.1	5.45	16.2	65.8	69.6	40.1	1.23	410	318.1	17.4	7.14	3134	3092	2744
7/26/25 4:00	8.13	293	37.9	5.46	16.1	65.5	67.2	40.1	1.23	410	322.9	17.4	7.16	3174	3119	2744
7/26/25 5:00	8.15	293	37.4	5.44	16.2	64.5	65.4	40.1	1.24	410	320.6	17.3	7.17	3140	3153	2744
7/26/25 6:00	8.17	292	37.5	6.13	16.2	68.8	65.3	40.1	1.25	409	322.7	17.4	7.16	3191	3149	2744
7/26/25 7:00	8.16	293	36.1	5.88	16.2	65.0	66.3	40.1	1.26	408	311.6	17.4	7.17	3081	3168	2744
7/26/25 8:00	8.17	294	33.6	5.61	16.1	58.8	66.1	40.1	1.23	409	316.2	17.3	7.29	3128	3137	2744
7/26/25 9:00	8.18	295	34.5	5.51	16.1	59.8	64.2	40.1	1.20	412	313.5	17.3	7.37	3122	3133	2744
7/26/25 10:00	8.21	297	34.3	5.46	16.3	59.4	61.2	40.1	1.19	413	314.3	17.3	7.55	3141	3110	2744
7/26/25 11:00	8.26	299	33.7	5.38	16.3	58.0	59.3	40.1	1.19	414	321.8	17.3	7.76	3212	3130	2744
7/26/25 12:00	8.29	300	35.6	5.93	16.4	64.4	59.1	40.1	1.21	415	317.4	17.2	7.85	3159	3158	2744
7/26/25 13:00	8.32	300	34.5	6.11	16.5	63.5	60.6	40.1	1.22	415	322.1	17.2	7.92	3212	3171	2744
7/26/25 14:00	8.35	301	35.3	6.07	16.5	64.6	62.0	40.1	1.20	415	323.5	17.2	7.94	3216	3194	2744
7/26/25 15:00	8.39	301	35.6	5.60	16.6	62.7	64.2	40.1	1.19	416	332.9	17.2	8.02	3291	3196	2744
7/26/25 16:00	8.35	299	35.3	5.50	16.6	61.6	63.6	40.1	1.19	415	333.4	17.2	8.03	3307	3240	2744
7/26/25 17:00	8.33	297	35.0	5.54	16.6	61.4	63.0	40.1	1.21	415	332.9	17.2	8.13	3278	3272	2744
7/26/25 18:00	8.28	296	35.5	6.00	16.6	64.7	61.9	40.1	1.20	414	337.1	17.2	8.15	3337	3292	2744
7/26/25 19:00	8.31	296	34.3	6.18	16.7	63.8	62.6	40.1	1.24	413	332.0	17.2	8.16	3277	3307	2745
7/26/25 20:00	8.33	296	35.0	6.18	16.7	64.9	63.3	40.1	1.21	412	335.3	17.1	8.18	3290	3297	2745
7/26/25 21:00	8.34	297	34.6	5.70	16.7	61.8	64.5	40.1	1.20	413	334.1	17.1	8.18	3277	3301	2745
7/26/25 22:00	8.44	298	34.2	5.81	16.7	61.5	63.5	40.1	1.20	415	331.9	17.2	8.13	3263	3281	2745
7/26/25 23:00	8.54	295	35.8	5.78	16.4	63.8	62.7	40.1	1.20	414	329.0	17.2	8.12	3269	3277	2745
7/27/25 0:00	8.41	294	37.3	6.29	16.4	69.6	62.4	40.1	1.20	412	335.8	17.2	8.11	3312	3270	2745
7/27/25 1:00	8.38	296	36.5	6.43	16.5	69.0	65.0	40.1	1.19	413	333.1	17.1	8.17	3237	3281	2745
7/27/25 2:00	8.41	296	35.4	6.22	16.4	65.7	67.5	40.1	1.18	415	324.8	17.2	8.09	3202	3273	2745
7/27/25 3:00	8.42	296	35.9	5.80	16.4	64.2	68.1	40.1	1.19	415	367.0	17.1	8.12	3552	3250	2745
7/27/25 4:00	8.42	296	35.7	5.79	16.4	63.7	66.3	40.1	1.19	414	349.1	17.1	8.11	3369	3330	2745
7/27/25 5:00	8.41	296	36.0	5.78	16.4	64.2	64.5	40.1	1.19	414	345.0	17.2	7.97	3343	3374	2745
7/27/25 6:00	8.39	295	36.0	6.23	16.4	66.7	64.0	40.1	1.19	413	342.9	17.1	8.02	3253	3421	2745
7/27/25 7:00	8.35	296	33.9	5.92	16.5	61.3	64.9	40.1	1.20	412	327.9	17.1	7.86	3040	3321	2745
7/27/25 8:00	8.30	296	34.4	5.57	16.5	60.3	64.1	40.1	1.19	413	338.5	17.1	7.97	3157	3212	2745
7/27/25 9:00	8.23	298	33.8	5.61	16.4	59.4	62.8	40.1	1.19	415	326.7	17.1	7.93	3104	3150	2745
7/27/25 10:00	8.28	301	33.5	5.70	16.5	59.5	60.4	40.1	1.19	416	330.3	17.2	7.80	3180	3100	2745
7/27/25 11:00	8.31	302	34.1	5.69	16.4	60.3	59.8	40.1	1.18	416	327.0	17.3	7.56	3177	3147	2745
7/27/25 12:00	8.28	303	36.1	6.26	16.3	67.0	59.8	40.1	1.17	417	328.0	17.2	7.57	3184	3154	2745
7/27/25 13:00	8.29	304	34.5	6.36	16.4	64.7	62.3	40.1	1.17	418	334.5	17.3	7.57	3258	3180	2745
7/27/25 14:00	8.30	305	34.8	6.24	16.5	64.6	64.0	40.1	1.17	418	326.1	17.3	7.56	3199	3206	2745
7/27/25 15:00	8.30	306	34.6	5.76	16.5	61.8	65.4	40.1	1.17	418	325.4	17.3	7.59	3196	3214	2745
7/27/25 16:00	8.25	305	35.8	5.64	16.6	63.4	63.7	40.1	1.16	417	333.8	17.3	7.46	3323	3218	2745
7/27/25 17:00	8.16	304	35.3	5.64	16.5	62.2	63.2	40.1	1.17	418	353.0	17.3	7.52	3455	3240	2746
7/27/25 18:00	8.22	305	35.8	6.03	16.4	65.3	62.5	40.2	1.17	417	325.1	17.3	7.35	3231	3325	2746
7/27/25 19:00	8.20	304	36.3	6.20	16.4	67.0	63.6	40.2	1.19	417	338.3	17.3	7.45	3310	3337	2746
7/27/25 20:00	8.17	302	36.3	6.19	16.4	67.0	64.8	40.2	1.18	419	339.4	17.3	7.45	3367	3332	2746
7/27/25 21:00	8.12	300	37.1	5.79	16.6	66.4	66.4	40.2	1.23	417	344.2	17.3	7.72	3406	3303	2746
7/27/25 22:00	8.14	298	36.3	5.78	16.5	64.8	66.8	40.2	1.21	417	335.7	17.3	7.74	3336	3361	2746
7/27/25 23:00	8.17	299	37.3	5.94	16.6	67.8	66.1	40.2	1.18	417	336.7	17.3	7.57	3371	3370	2746
7/28/25 0:00	8.38	299	38.7	6.36	16.4	72.7	66.3	40.2	1.19	416	333.9	17.3	7.49	3328	3371	2746
7/28/25 1:00	8.27	295	39.2	6.31	16.5	73.3	68.4	40.2	1.19	414	331.7	17.3	7.48	3278	3345	2746
7/28/25 2:00	8.15	294	38.7	6.08	16.5	70.9	71.2	40.2	1.20	414	337.9	17.3	7.58	3321	3326	2746
7/28/25 3:00	8.16	295	38.3	5.63	16.5	67.5	72.3	40.2	1.18	415	332.9	17.3	7.53	3294	3309	2746
7/28/25 4:00	8.17	293	38.4	5.59	16.4	67.4	70.6	40.2	1.19	415	329.4	17.3	7.44	3283	3298	2746
7/28/25 5:00	8.11	293	38.2	5.57	16.4	67.0	68.6	40.2	1.19	415	346.5	17.3	7.49	3414	3299	2746
7/28/25 6:00	8.11	293	38.5	6.03	16.4	70.2	67.3	40.2	1.19	412	317.5	17.4	7.34	3166	3330	2746
7/28/25 7:00	8.16	294	35.0	5.72	16.4	62.4	68.2	40.2	1.18	412	347.1	17.3	7.38	3389	3288	2746
7/28/25 8:00	8.18	296	31.4	5.50	16.5	54.8	66.5	40.2	1.19	415	339.4	17.3	7.56	3304	3323	2746
7/28/25 9:00	8.18	297	31.7	5.54	16.5	55.6	62.5	40.2	1.20	414	334.1	17.3	7.65	3274	3287	2747

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv
7/29/25 14:00	8.37	302	37.0	5.97	16.7	67.6	70.4	40.1	1.18	411	275.1	17.3	7.69	2827	2889	2747
7/29/25 15:00	8.39	302	35.7	5.63	16.5	63.0	71.9	40.1	1.16	413	284.2	17.3	7.78	2892	2843	2747
7/29/25 16:00	8.38	304	36.6	5.66	16.5	64.8	68.4	40.1	1.16	414	281.0	17.3	7.73	2893	2919	2747
7/29/25 17:00	8.31	303	38.2	5.58	16.5	67.0	65.1	40.1	1.17	416	278.8	17.4	7.49	2874	2871	2747
7/29/25 18:00	8.21	302	38.6	6.11	16.7	71.3	64.9	40.2	1.18	415	281.5	17.4	7.59	2940	2886	2747
7/29/25 19:00	8.17	302	37.7	6.33	16.7	70.9	67.7	40.2	1.16	414	283.7	17.4	7.44	2914	2902	2747
7/29/25 20:00	8.13	301	37.0	5.76	16.8	66.4	69.7	40.2	1.19	414	282.5	17.4	7.40	2923	2909	2747
7/29/25 21:00	8.08	302	36.7	5.80	17.0	66.2	69.5	40.2	1.23	411	283.2	17.5	7.18	2929	2926	2747
7/29/25 22:00	8.34	301	37.3	5.73	16.6	66.5	67.8	40.2	1.22	410	276.3	17.4	7.15	2830	2922	2747
7/29/25 23:00	8.13	297	38.8	5.54	16.7	68.1	66.4	40.2	1.22	409	274.3	17.5	7.11	2818	2894	2747
7/30/25 0:00	8.00	297	39.1	6.19	16.6	72.6	67.0	40.2	1.23	409	276.6	17.4	7.15	2823	2859	2747
7/30/25 1:00	8.04	297	37.5	6.33	16.6	70.5	69.1	40.2	1.18	409	278.1	17.4	7.19	2809	2824	2747
7/30/25 2:00	8.06	296	37.9	5.59	16.4	66.5	70.4	40.2	1.19	410	280.6	17.4	7.17	2810	2817	2747
7/30/25 3:00	8.07	295	37.7	5.45	16.3	65.2	69.9	40.2	1.18	409	281.2	17.4	7.15	2833	2814	2747
7/30/25 4:00	8.05	293	37.9	5.42	16.3	65.5	67.4	40.2	1.18	409	281.9	17.4	7.13	2864	2817	2747
7/30/25 5:00	7.95	292	37.8	5.37	16.2	64.9	65.7	40.2	1.21	409	301.8	17.4	7.23	2986	2836	2747
7/30/25 6:00	7.92	292	38.8	6.00	16.1	70.1	65.2	40.2	1.20	409	288.4	17.4	7.20	2840	2895	2747
7/30/25 7:00	7.95	294	35.9	5.54	16.2	62.8	66.8	40.2	1.20	410	301.3	17.3	7.26	2912	2897	2747
7/30/25 8:00	8.01	295	33.2	5.24	16.2	56.4	65.9	40.2	1.19	412	307.1	17.3	7.34	3003	2913	2747
7/30/25 9:00	7.98	295	34.9	5.23	16.0	59.0	63.1	40.2	1.18	418	327.7	17.3	7.48	3210	2918	2747
7/30/25 10:00	7.94	296	35.7	5.29	15.9	60.6	59.4	40.2	1.19	421	314.1	17.3	7.52	3078	3042	2747
7/30/25 11:00	7.99	296	35.9	5.27	16.0	60.9	58.7	40.2	1.19	421	313.2	17.3	7.56	3066	3097	2747
7/30/25 12:00	7.96	297	37.1	5.99	15.9	66.7	60.2	40.2	1.18	419	311.3	17.3	7.55	3075	3118	2747
7/30/25 13:00	8.04	297	36.6	6.12	15.9	66.6	62.8	40.2	1.18	417	314.4	17.3	7.70	3099	3073	2747
7/30/25 14:00	8.03	297	37.1	5.78	16.0	65.7	64.8	40.2	1.17	418	312.6	17.3	7.68	3106	3080	2748
7/30/25 15:00	8.01	297	37.6	5.43	16.1	64.7	66.3	40.2	1.17	419	322.1	17.2	7.80	3152	3093	2748
7/30/25 16:00	8.01	298	36.3	5.45	16.1	62.7	65.6	40.2	1.19	420	333.2	17.2	7.87	3263	3119	2748
7/30/25 17:00	8.00	298	35.6	5.47	16.0	61.4	64.4	40.2	1.21	419	349.3	17.2	7.79	3390	3174	2748
7/30/25 18:00	7.95	297	36.1	6.02	16.0	65.2	62.9	40.2	1.18	420	340.7	17.2	7.73	3342	3268	2748
7/30/25 19:00	7.91	298	35.4	6.20	15.7	64.5	63.1	40.2	1.26	417	329.2	17.4	7.06	3219	3332	2748
7/30/25 20:00	7.91	296	35.2	5.71	15.6	61.5	63.7	40.2	1.27	411	312.6	17.5	6.69	3097	3317	2748
7/30/25 21:00	7.89	295	34.6	5.41	15.5	58.9	63.8	40.2	1.22	410	307.5	17.4	6.71	3012	3219	2748
7/30/25 22:00	7.88	295	34.5	5.52	16.2	60.0	61.7	40.2	1.23	411	312.4	17.4	6.90	3045	3110	2748
7/30/25 23:00	8.03	294	34.8	5.46	15.7	59.7	60.2	40.2	1.26	412	316.4	17.4	6.78	3068	3052	2748
7/31/25 0:00	7.85	293	37.2	6.31	15.5	68.5	59.5	40.2	1.29	410	311.8	17.5	6.61	3037	3042	2748
7/31/25 1:00	7.83	291	37.3	6.53	15.8	70.2	62.7	40.2	1.26	406	309.3	17.4	6.81	3006	3050	2748
7/31/25 2:00	7.85	289	36.7	5.75	15.9	64.6	66.1	40.2	1.28	406	307.1	17.4	6.90	3000	3037	2748
7/31/25 3:00	7.91	288	36.7	5.74	15.9	64.6	67.8	40.2	1.29	404	307.1	17.4	6.92	2981	3014	2748
7/31/25 4:00	7.93	287	38.1	5.70	15.8	66.8	66.5	40.2	1.26	403	298.5	17.4	6.90	2868	2996	2748
7/31/25 5:00	7.94	288	37.3	5.52	15.7	64.3	65.3	40.2	1.21	406	285.6	17.4	6.76	2748	2950	2748
7/31/25 6:00	7.92	289	39.4	6.07	15.6	70.9	65.2	40.2	1.19	407	282.3	17.4	6.82	2721	2866	2748
7/31/25 7:00	7.92	290	34.1	5.64	15.7	59.5	67.3	40.2	1.21	409	293.9	17.4	6.91	2812	2779	2748
7/31/25 8:00	7.93	292	33.1	5.56	15.9	57.5	64.9	40.2	1.26	407	310.4	17.3	7.05	2944	2760	2748
7/31/25 9:00	7.99	295	33.2	5.68	15.8	58.1	62.7	40.3	1.27	408	305.7	17.3	7.03	2874	2826	2748
7/31/25 10:00	8.05	295	34.2	5.69	15.7	59.8	58.4	40.3	1.29	408	309.1	17.3	6.96	2906	2876	2748
7/31/25 11:00	8.03	295	33.5	5.77	15.6	58.9	58.5	40.3	1.30	406	299.7	17.3	6.89	2854	2908	2748
7/31/25 12:00	8.11	297	35.5	6.26	15.6	65.1	58.9	40.3	1.28	405	296.3	17.3	6.91	2801	2878	2748
7/31/25 13:00	8.11	297	33.6	6.40	15.6	62.4	61.2	40.3	1.29	407	298.9	17.3	6.91	2817	2854	2748
7/31/25 14:00	8.09	297	34.0	6.23	15.6	62.1	62.1	40.3	1.28	409	307.3	17.3	6.92	2872	2824	2748
7/31/25 15:00	8.07	297	32.9	5.65	15.5	57.0	63.2	40.3	1.25	410	314.5	17.3	6.80	2958	2830	2748
7/31/25 16:00	8.05	298	35.1	5.50	15.3	60.1	60.5	40.3	1.20	412	309.8	17.4	6.71	2932	2882	2748
7/31/25 17:00	8.02	296	36.9	5.49	15.3	63.1	59.7	40.3	1.18	418	318.0	17.3	6.83	2998	2921	2748
7/31/25 18:00	8.01	295	39.1	5.87	15.3	68.9	60.1	40.3	1.18	418	313.2	17.4	6.84	2971	2963	2748
7/31/25 19:00	8.00	294	37.6	6.00	15.4	67.0	64.0	40.3	1.18	417	308.3	17.4	6.85	2950	2967	2748
7/31/25 20:00	8.02	294	37.7	5.83	15.4	66.3	66.3	40.3	1.18	415	314.2	17.4	6.77	3053	2973	2748
7/31/25 21:00	7.97	293	34.5	5.56	15.6	59.6	67.4	40.3	1.19	413	295.9	17.4	6.78	2908	2991	2748
7/31/25 22:00	7.98	294	31.4	5.49	15.7	54.1	64.3	40.3	1.19	411	303.4	17.4	6.80	2967	2970	2748
7/31/25 23:00	8.01	296	30.4	5.44	16.2	52.5	60.0	40.3	1.19	412	301.1	17.4	6.80	2954	2976	2748
8/1/25 0:00	8.21	295	31.9	5.92	15.7	56.9	55.4	40.3	1.18	411	303.9	17.4	6.76	2982	2943	2749
8/1/25 1:00	8.12	294	31.3	5.89	15.8	55.8	54.5	40.3	1.18	410	322.0	17.4	6.72	3154	2968	2749
8/1/25 2:00	8.00	294	30.9	5.87	15.9	55.1	55.1	40.3	1.19	409	319.2	17.5	6.69	3146	3030	2749
8/1/25 3:0																

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	ppmv	ppmv						Air, H2O Corrected ppmv	ppmv	ppmv
8/2/25 16:00	8.12	298	30.3	5.42	15.5	51.6	54.0	40.4	1.18	410	276.2	17.5	6.77	2781	2825	2749
8/2/25 17:00	8.12	298	30.6	5.39	15.4	51.9	52.5	40.4	1.17	408	275.1	17.5	6.76	2773	2807	2749
8/2/25 18:00	8.06	293	33.1	5.91	15.3	58.6	51.6	40.4	1.16	408	278.5	17.5	6.59	2799	2790	2749
8/2/25 19:00	7.58	289	33.1	6.12	15.2	59.6	54.0	40.4	1.15	407	272.7	17.5	6.33	2691	2785	2749
8/2/25 20:00	7.36	287	32.1	5.81	15.3	56.4	56.7	40.4	1.16	407	273.0	17.5	6.47	2651	2754	2749
8/2/25 21:00	7.39	287	32.7	5.43	15.5	55.8	58.2	40.4	1.17	408	275.4	17.5	6.66	2697	2714	2749
8/2/25 22:00	7.41	288	33.1	5.56	16.0	57.5	57.3	40.4	1.16	407	268.7	17.5	6.65	2679	2680	2749
8/2/25 23:00	7.59	287	33.4	5.47	15.5	57.2	56.6	40.4	1.17	406	269.5	17.5	6.63	2688	2676	2749
8/3/25 0:00	7.45	285	35.0	6.09	15.7	63.3	56.9	40.4	1.17	405	256.5	17.5	6.57	2588	2688	2749
8/3/25 1:00	7.40	284	34.9	6.22	16.0	64.2	59.4	40.4	1.17	404	253.2	17.5	6.53	2553	2652	2749
8/3/25 2:00	7.40	284	34.3	5.50	16.1	59.4	61.6	40.4	1.18	403	254.2	17.5	6.55	2562	2610	2749
8/3/25 3:00	7.45	285	34.3	5.44	16.0	59.0	62.3	40.4	1.17	402	257.0	17.5	6.55	2581	2567	2749
8/3/25 4:00	7.49	285	34.2	5.44	15.8	58.6	60.9	40.4	1.18	402	266.0	17.5	6.56	2645	2565	2749
8/3/25 5:00	7.50	284	33.9	5.43	15.8	58.1	59.0	40.4	1.19	402	264.9	17.5	6.50	2632	2596	2749
8/3/25 6:00	7.48	283	35.3	5.95	15.9	63.4	58.5	40.4	1.18	401	265.4	17.5	6.50	2628	2619	2749
8/3/25 7:00	7.46	284	33.7	5.66	16.0	59.4	60.0	40.5	1.18	400	257.5	17.6	6.43	2602	2635	2749
8/3/25 8:00	7.48	287	30.6	5.09	15.8	51.1	60.3	40.5	1.17	400	253.2	17.6	6.47	2544	2621	2749
8/3/25 9:00	7.50	289	30.0	5.10	15.7	50.0	58.0	40.5	1.16	401	246.7	17.6	6.50	2507	2591	2749
8/3/25 10:00	7.55	288	31.0	5.10	15.8	51.7	53.5	40.5	1.16	401	238.9	17.6	6.50	2473	2551	2749
8/3/25 11:00	7.27	286	32.6	5.17	15.9	54.8	50.9	40.5	1.15	400	270.8	17.6	6.77	2860	2508	2749
8/3/25 12:00	7.29	285	33.7	6.01	16.3	61.5	52.2	40.5	1.14	395	804.1	17.8	6.28	8818	2613	2749
8/3/25 13:00	7.21	285	35.0	6.04	15.9	63.4	56.0	40.5	1.13	391	781.3	17.8	6.23	8746	4717	2750
8/3/25 14:00	7.27	286	33.6	5.63	15.6	58.4	59.9	40.5	1.13	391	763.6	17.8	6.13	8424	6808	2751
8/3/25 15:00	7.30	286	35.4	5.36	15.6	60.2	61.1	40.5	1.12	393	781.8	17.8	6.19	8625	8662	2751
8/3/25 16:00	7.31	285	34.8	5.35	15.6	59.0	60.7	40.5	1.12	393	487.6	17.8	6.20	5387	8598	2752
8/3/25 17:00	7.32	285	34.9	5.32	15.6	59.2	59.2	40.5	1.12	392	355.7	17.8	6.15	3928	7478	2752
8/3/25 18:00	7.29	285	35.7	5.98	15.7	64.1	59.5	40.5	1.12	392	451.4	17.8	6.33	4996	5980	2752
8/3/25 19:00	7.26	284	36.2	6.11	15.7	65.6	60.8	40.5	1.11	393	540.3	17.8	6.24	5962	4770	2753
8/3/25 20:00	7.17	285	36.4	5.49	15.6	62.5	63.0	40.5	1.13	394	622.5	17.9	5.89	6867	4962	2753
8/3/25 21:00	7.12	288	34.2	5.67	16.6	60.7	64.1	40.5	1.19	392	601.3	17.9	5.96	6695	5942	2754
8/3/25 22:00	7.52	288	34.1	5.54	16.4	59.5	62.9	40.5	1.19	390	654.2	17.9	5.90	7257	6508	2754
8/3/25 23:00	7.25	285	34.3	5.47	16.4	59.6	60.9	40.5	1.18	390	690.7	17.9	5.88	7706	6940	2755
8/4/25 0:00	7.25	285	37.0	6.21	16.4	68.4	59.9	40.5	1.18	389	707.9	17.9	5.90	7866	7219	2755
8/4/25 1:00	7.28	284	35.7	6.22	16.3	66.1	62.5	40.5	1.13	390	718.1	17.9	5.93	7944	7610	2756
8/4/25 2:00	7.24	282	36.4	5.39	16.2	62.7	64.7	40.5	1.14	390	671.8	17.9	5.87	7444	7839	2756
8/4/25 3:00	7.21	282	35.4	5.37	16.1	60.7	65.7	40.5	1.14	388	641.7	17.9	5.84	7042	7751	2757
8/4/25 4:00	7.28	281	35.2	5.32	16.2	60.2	63.2	40.5	1.13	387	621.7	17.9	5.81	6904	7477	2757
8/4/25 5:00	7.17	279	35.3	5.21	16.1	59.8	61.2	40.5	1.12	387	597.8	17.9	5.78	6674	7130	2758
8/4/25 6:00	7.16	278	35.9	6.00	16.0	65.0	60.2	40.5	1.13	388	558.6	17.9	5.77	6233	6873	2758
8/4/25 7:00	7.14	278	34.3	5.56	16.1	59.8	61.6	40.5	1.13	389	508.6	17.9	5.72	5604	6603	2759
8/4/25 8:00	7.16	279	34.2	5.14	16.0	57.5	61.5	40.5	1.13	389	445.1	17.9	5.72	4891	6170	2759
8/4/25 9:00	7.12	281	34.0	5.15	16.0	57.2	60.7	40.5	1.15	392	416.2	17.9	5.84	4583	5576	2759
8/4/25 10:00	7.14	282	35.5	5.19	16.0	59.8	58.2	40.5	1.14	394	386.2	17.9	5.83	4249	5026	2759
8/4/25 11:00	7.15	283	37.3	5.16	15.9	62.7	58.2	40.5	1.13	394	316.5	17.9	5.91	3492	4574	2759
8/4/25 12:00	7.16	283	37.7	5.70	15.6	65.9	59.9	40.5	1.13	392	285.4	17.9	5.95	3166	4108	2759
8/4/25 13:00	7.20	285	36.4	5.87	15.7	64.6	62.8	40.5	1.13	391	278.8	17.8	6.06	3114	3636	2759
8/4/25 14:00	7.27	285	36.7	5.79	15.7	64.7	64.4	40.6	1.13	390	279.9	17.8	6.16	3137	3257	2759
8/4/25 15:00	7.24	285	36.4	5.45	15.7	62.5	65.1	40.6	1.13	390	273.8	17.8	6.18	3080	3139	2760
8/4/25 16:00	7.26	286	36.9	5.46	15.7	63.3	63.9	40.6	1.12	391	267.4	17.8	6.25	2995	3110	2760
8/4/25 17:00	7.27	286	38.4	5.46	15.7	65.8	63.5	40.6	1.11	393	252.0	17.8	6.25	2805	3071	2760
8/4/25 18:00	7.29	286	39.2	5.86	15.6	69.5	63.9	40.6	1.11	394	230.6	17.8	6.22	2554	2960	2760
8/4/25 19:00	7.32	285	38.9	5.99	15.6	69.6	66.2	40.6	1.11	394	205.1	17.8	6.19	2279	2785	2760
8/4/25 20:00	7.28	284	39.2	5.97	15.4	69.9	68.3	40.6	1.12	395	192.9	17.9	5.96	2160	2546	2760
8/4/25 21:00	7.22	285	39.9	5.50	15.4	68.4	69.7	40.6	1.11	394	194.6	17.9	5.67	2179	2331	2760
8/4/25 22:00	7.21	284	38.9	5.43	15.5	66.4	69.3	40.6	1.11	392	195.6	17.9	5.65	2192	2206	2759
8/4/25 23:00	7.19	287	37.4	5.55	15.8	64.8	68.2	40.6	1.14	391	193.3	17.9	5.62	2150	2177	2759
8/5/25 0:00	7.40	286	38.2	5.86	15.7	67.9	66.5	40.6	1.15	389	190.5	17.9	5.71	2108	2173	2759
8/5/25 1:00	7.19	282	37.6	5.90	15.7	66.8	66.4	40.6	1.18	388	191.9	17.9	5.72	2126	2150	2759
8/5/25 2:00	7.07	280	38.5	5.72	15.7	67.4	66.5	40.6	1.19	387	186.7	17.9	5.78	2069	2128	2759
8/5/25 3:00	7.01	279	39.8	5.52	15.9	68.8	67.4	40.6	1.20	386	174.3	17.8	6.13	1929	2101	2759
8/5/25 4:00	7.04	280	40.3	5.55	15.9	69.8	67.7	40.6	1.20	385	158.7	17.8	6.16	1750	2041	2759
8/5/25 5:00	7.10	280	41.0	5.53	15											

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		Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	
						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	365Day ppmv						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	365Day ppmv
8/6/25 18:00	7.41	289	46.0	6.28	16.0	85.4	74.6	40.8	0.56	106	110.5	19.2	5.19	3479	604	2750
8/6/25 19:00	7.40	288	45.0	5.87	16.1	80.6	78.1	40.8	0.55	104	133.9	19.2	5.25	4312	1761	2751
8/6/25 20:00	7.38	287	45.9	5.25	15.9	77.6	80.0	40.8	0.54	103	106.7	19.2	5.29	3488	3049	2751
8/6/25 21:00	7.34	287	45.7	5.30	16.0	77.7	81.2	40.8	0.53	103	99.4	19.2	5.32	3270	3760	2751
8/6/25 22:00	7.38	290	44.8	5.62	16.3	78.7	78.7	40.8	0.53	103	84.0	19.0	5.41	2168	3690	2751
8/6/25 23:00	7.64	287	46.1	5.25	15.9	78.0	78.0	40.8	0.52	102	89.5	19.2	5.45	2955	2975	2751
8/7/25 0:00	7.39	287	47.4	6.13	15.8	86.4	78.1	40.8	0.52	102	78.1	19.2	5.47	2689	2798	2751
8/7/25 1:00	7.41	287	46.9	5.70	15.9	82.5	81.0	40.8	0.51	103	70.9	19.2	5.53	2497	2604	2751
8/7/25 2:00	7.43	287	46.6	5.16	15.9	78.2	82.3	40.8	0.51	103	67.1	19.2	5.57	2397	2714	2751
8/7/25 3:00	7.49	287	48.3	5.16	15.9	81.2	82.4	40.8	0.52	103	63.5	19.2	5.61	2300	2528	2751
8/7/25 4:00	7.46	286	48.2	5.05	16.0	80.4	80.7	40.8	0.54	103	60.1	19.2	5.60	2166	2398	2751
8/7/25 5:00	7.43	286	47.2	5.04	15.9	78.6	79.9	40.8	0.59	102	60.6	19.2	5.53	2133	2288	2751
8/7/25 6:00	7.42	286	49.0	6.05	15.8	88.5	80.1	40.8	0.56	101	59.2	19.2	5.46	2029	2200	2751
8/7/25 7:00	7.42	287	44.7	5.64	15.6	78.0	82.5	40.8	0.58	101	71.7	19.2	5.37	2383	2109	2751
8/7/25 8:00	7.43	291	41.6	5.44	15.1	70.5	81.7	40.8	0.60	101	78.7	19.2	5.39	2643	2182	2751
8/7/25 9:00	7.74	294	42.2	5.56	15.0	72.1	79.0	40.8	0.61	102	84.0	19.2	5.44	2866	2351	2751
8/7/25 10:00	7.68	286	45.8	5.03	15.4	75.6	73.5	40.8	0.61	102	101.7	19.2	5.46	3498	2630	2751
8/7/25 11:00	7.20	284	46.5	5.04	15.5	76.8	72.7	40.8	0.61	103	109.0	19.2	5.59	3860	3002	2751
8/7/25 12:00	7.21	285	46.9	5.71	15.4	81.9	74.8	40.8	0.60	104	105.8	19.3	5.74	4089	3408	2751
8/7/25 13:00	7.26	286	46.7	5.88	15.4	82.6	78.1	40.8	0.60	106	108.9	19.2	5.87	4296	3816	2752
8/7/25 14:00	7.24	287	45.9	5.47	15.5	78.5	80.5	40.8	0.61	106	114.3	19.2	5.97	4526	4082	2752
8/7/25 15:00	7.26	289	45.1	5.28	15.5	75.9	81.0	40.8	0.61	106	113.8	19.2	6.04	4155	4304	2752
8/7/25 16:00	7.30	288	45.6	5.28	15.5	76.8	79.0	40.8	0.61	106	105.0	19.1	6.10	3611	4326	2752
8/7/25 17:00	7.30	287	44.9	5.28	15.5	75.6	77.1	40.8	0.61	105	104.1	19.1	6.12	3626	4097	2753
8/7/25 18:00	7.32	286	47.0	5.89	15.5	83.3	76.1	40.8	0.60	105	116.2	19.1	6.16	3954	3797	2753
8/7/25 19:00	7.34	285	46.5	6.09	15.6	83.9	78.6	40.8	0.60	105	124.8	19.1	6.21	4153	3730	2753
8/7/25 20:00	7.29	284	46.0	5.34	15.6	77.9	80.9	40.8	0.60	105	129.3	19.1	6.22	4328	3911	2753
8/7/25 21:00	7.28	284	46.0	5.28	15.5	77.5	81.7	40.8	0.59	104	120.3	19.1	6.17	3985	4145	2753
8/7/25 22:00	7.31	287	44.9	5.43	15.9	77.1	79.8	40.8	0.60	104	117.7	19.1	6.16	3956	4155	2754
8/7/25 23:00	7.53	284	45.3	5.28	15.5	76.3	77.5	40.8	0.59	105	115.9	19.0	6.20	3737	4090	2754
8/8/25 0:00	7.33	284	45.8	6.05	15.6	82.5	77.0	40.8	0.61	105	109.1	19.0	6.22	3340	3893	2754
8/8/25 1:00	7.34	284	44.3	6.09	15.7	80.2	78.6	40.8	0.60	105	99.4	19.0	6.24	2838	3678	2754
8/8/25 2:00	7.30	283	45.2	5.29	15.7	76.4	79.7	40.8	0.60	105	95.7	18.9	6.26	2717	3305	2754
8/8/25 3:00	7.30	282	46.2	5.14	15.7	77.2	79.7	40.8	0.62	104	88.6	18.9	6.21	2478	2965	2754
8/8/25 4:00	7.29	282	46.1	5.17	15.5	76.9	77.9	40.8	0.63	103	82.7	19.0	5.88	2306	2678	2754
8/8/25 5:00	7.31	281	46.2	5.05	15.6	76.5	76.9	40.8	0.62	103	81.7	19.0	5.76	2166	2500	2754
8/8/25 6:00	7.20	281	45.9	5.73	15.5	80.3	76.9	40.8	0.63	103	79.1	19.0	5.80	2031	2317	2754
8/8/25 7:00	7.23	282	46.8	5.31	15.6	79.4	77.9	40.8	0.63	103	91.4	19.0	5.89	2461	2168	2754
8/8/25 8:00	7.27	283	45.7	4.95	15.8	75.4	78.7	40.8	0.64	103	89.6	18.9	5.97	2330	2220	2754
8/8/25 9:00	7.24	285	46.1	4.94	15.7	75.8	78.4	40.8	0.69	103	80.2	19.0	5.97	2244	2274	2754
8/8/25 10:00	7.26	287	45.2	4.99	15.7	74.7	76.9	40.8	0.78	104	90.1	19.0	5.91	2541	2345	2754
8/8/25 11:00	7.35	287	45.4	5.05	15.8	75.5	75.3	40.8	1.19	149	177.3	18.2	7.45	2995	2372	2754
8/8/25 12:00	7.35	288	44.7	5.81	15.8	79.1	75.3	40.8	1.20	182	226.3	18.2	7.24	3607	2593	2754
8/8/25 13:00	7.40	291	43.5	6.05	15.8	78.6	76.4	40.8	1.20	207	203.6	18.3	6.94	3388	3048	2754
8/8/25 14:00	7.57	293	44.0	5.55	16.2	76.7	77.7	40.8	1.21	221	226.4	18.4	6.78	3906	3330	2755
8/8/25 15:00	7.56	294	43.7	5.28	16.3	74.6	78.1	40.9	1.21	229	196.6	18.4	6.60	3422	3634	2755
8/8/25 16:00	7.67	294	43.3	5.29	16.3	74.0	76.6	40.9	1.22	234	184.0	18.4	6.46	3190	3572	2755
8/8/25 17:00	7.62	294	44.1	5.30	16.2	75.3	75.1	40.9	1.23	240	156.4	18.4	6.29	2653	3506	2755
8/8/25 18:00	7.56	293	46.0	6.03	16.1	83.5	74.7	40.9	1.22	244	151.6	18.4	6.29	2563	3088	2755
8/8/25 19:00	7.53	293	45.3	6.16	16.2	83.1	77.6	40.9	1.23	247	148.6	18.4	6.32	2484	2802	2755
8/8/25 20:00	7.52	292	45.4	5.48	16.3	78.9	80.6	40.9	1.23	250	146.6	18.4	6.47	2448	2567	2755
8/8/25 21:00	7.55	291	46.1	5.29	16.4	78.9	81.8	40.9	1.24	256	149.2	18.3	6.61	2385	2499	2755
8/8/25 22:00	7.49	285	49.5	5.31	16.9	85.7	80.3	40.9	1.26	261	154.2	18.2	6.75	2405	2439	2755
8/8/25 23:00	7.16	283	50.2	5.44	16.4	87.0	81.1	40.9	1.26	268	158.6	18.2	6.68	2411	2413	2755
8/9/25 0:00	7.10	280	53.0	6.00	16.4	96.3	83.9	40.9	1.27	274	153.3	18.2	6.61	2320	2400	2755
8/9/25 1:00	6.96	279	52.9	5.89	16.4	95.2	89.7	40.9	1.24	279	146.1	18.3	6.25	2200	2379	2755
8/9/25 2:00	6.92	279	51.7	5.13	16.4	87.4	92.8	40.9	1.25	284	139.7	18.3	6.18	2030	2310	2755
8/9/25 3:00	6.92	279	51.9	5.12	16.3	87.5	93.0	40.9	1.26	290	134.2	18.2	6.28	1907	2183	2755
8/9/25 4:00	6.93	278	51.8	5.11	16.3	87.4	90.0	40.9	1.30	296	137.1	18.1	6.46	1879	2046	2754
8/9/25 5:00	6.93	279	51.5	5.08	16.4	86.7	87.4	40.9	1.27	302	139.9	18.1	6.42	1929	1939	2754
8/9/25 6:00	6.94	279	51.5	5.91	16.4	93.0	87.2	40.9	1.30	308	141.4	18.0	6.55	1866	1905	2754
8/9/25 7:00	6.93	280	48.2	5.60	16.5	85.2	89.0	40.9	1.32	316	148.1	18.0	6.68	1899	1891	2754
8/9/25 8:00	7.06	281	48.0	5.05	16.6	80.8	88.3	40.9	1.31	324	140.1	17.9	6.63	1745	1898	2755
8/9/25 9:00	7.03	282	48.2	5.13	16.6	81.7	86.3	40.9	1.33	332	141.6	17.9	6.73	1730	1837	2755
8/9/25 10:00	7.04	283	47.8	5.13	16.5	81.0	82.6	40.9	1.33	343	144.8	17.8	6.93	1699	1792	2755
8/9/25 11:00	7.07	284	48.0	5.11	16.6	81.3	81.2	41.0	1.32	354	139.9	17.7	7.06	1624	1725	2755
8/9/25 12:00	7.08	285	49.3	5.77	16.6	88.4	81.3	41.0	1.33	361	139.4	17.7	7.13	1608	1685	2755
8/9/25 13:00	7.11	285	49.1	5.93	16.7	89.0	83.6	41.0	1.33	368	138.5	17.6	7.21	1543	1644	2755
8/9/25 14:00	7.08	286	48.9	5.50	16.6	85.6	86.3	41.0	1.33	380	140.0	17.5	7.30	1513	1592	2756
8/9/25 15:00	7.08	323	44.2	5.34	16.7	76.4	87.7	41.0	1.34	391	141.7	17.5	7.37	1504	1555	2756
8/9/25 16:00	7.31	379	29.3	5.49	16.5	51.0	83.7	41.0	1.35	397	141.3	17.5	7.23	1531	1520	2755

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
8/10/25 20:00	7.21	294	49.8	5.35	16.2	85.5	89.1	41.1	1.32	399	100.1	17.7	7.01	1122	1119	2750
8/10/25 21:00	7.14	292	51.0	5.27	16.0	86.6	89.4	41.1	1.29	399	104.3	17.7	6.60	1157	1119	2750
8/10/25 22:00	7.00	290	50.9	5.27	16.1	86.6	87.5	41.1	1.31	401	102.8	17.7	6.82	1129	1128	2750
8/10/25 23:00	6.94	290	51.5	5.31	15.9	87.6	86.2	41.1	1.30	401	99.4	17.7	6.51	1088	1136	2750
8/11/25 0:00	7.04	290	52.4	6.16	15.8	95.7	86.9	41.1	1.31	401	106.3	17.7	6.41	1160	1125	2749
8/11/25 1:00	7.01	290	51.9	6.05	16.0	94.1	90.0	41.1	1.31	400	108.9	17.7	6.62	1178	1126	2749
8/11/25 2:00	7.02	289	51.6	5.35	16.2	88.5	92.5	41.1	1.34	402	104.7	17.6	7.01	1132	1142	2749
8/11/25 3:00	7.07	290	51.6	5.34	16.2	88.4	92.8	41.1	1.30	401	105.4	17.7	6.63	1151	1157	2749
8/11/25 4:00	7.11	290	51.4	5.37	16.1	88.2	90.3	41.1	1.32	400	106.4	17.7	6.62	1159	1154	2749
8/11/25 5:00	7.10	291	51.2	5.34	16.2	87.7	88.4	41.2	1.32	401	106.9	17.7	6.66	1169	1147	2748
8/11/25 6:00	7.13	291	51.5	6.11	16.3	94.6	88.1	41.2	1.31	399	108.2	17.7	6.69	1183	1160	2748
8/11/25 7:00	7.12	292	49.0	5.67	16.4	87.0	90.2	41.2	1.33	400	104.5	17.6	6.76	1128	1170	2748
8/11/25 8:00	7.11	293	47.2	5.20	16.4	80.3	89.8	41.2	1.33	401	100.6	17.6	6.81	1075	1160	2748
8/11/25 9:00	7.16	296	47.6	5.32	16.4	81.8	87.3	41.2	1.35	401	99.6	17.6	6.89	1056	1129	2748
8/11/25 10:00	7.19	297	47.6	5.34	16.3	81.8	83.0	41.2	1.34	404	99.7	17.6	6.96	1061	1086	2747
8/11/25 11:00	7.24	297	49.1	5.36	16.4	84.5	81.3	41.2	1.33	406	96.8	17.5	7.11	1030	1064	2747
8/11/25 12:00	7.23	297	50.4	6.09	16.3	92.5	82.7	41.2	1.31	408	95.8	17.5	7.25	1019	1049	2747
8/11/25 13:00	7.28	298	49.6	6.22	16.5	92.1	86.2	41.2	1.31	408	94.2	17.5	7.33	1003	1036	2747
8/11/25 14:00	7.26	299	49.4	5.55	16.5	86.6	89.7	41.2	1.31	409	91.6	17.5	7.39	972	1017	2746
8/11/25 15:00	7.31	299	50.0	5.37	16.5	86.3	90.4	41.2	1.32	409	92.9	17.5	7.47	991	998	2746
8/11/25 16:00	7.27	299	48.5	5.32	16.4	83.2	88.3	41.2	1.33	406	93.9	17.5	7.24	1010	989	2746
8/11/25 17:00	7.28	299	49.0	5.33	16.2	83.7	85.4	41.2	1.32	402	93.3	17.6	7.07	1007	991	2746
8/11/25 18:00	7.20	299	49.2	6.12	16.2	90.1	84.4	41.2	1.33	401	89.0	17.6	7.09	960	1002	2745
8/11/25 19:00	7.25	296	49.5	6.03	16.3	90.1	85.7	41.2	1.32	400	90.5	17.6	7.04	979	992	2745
8/11/25 20:00	7.13	296	49.9	5.24	16.2	84.8	88.0	41.2	1.31	400	92.4	17.6	6.96	994	982	2745
8/11/25 21:00	7.18	295	50.4	5.22	16.3	85.7	88.4	41.2	1.30	400	87.1	17.6	7.06	933	978	2745
8/11/25 22:00	7.14	296	50.0	5.26	16.5	85.5	86.9	41.2	1.31	400	86.3	17.6	7.04	931	969	2744
8/11/25 23:00	7.23	297	48.9	5.52	16.6	85.7	85.3	41.3	1.32	399	87.2	17.6	6.98	942	953	2744
8/12/25 0:00	7.43	297	50.1	6.28	16.4	93.4	85.6	41.3	1.31	399	90.7	17.6	7.12	975	935	2744
8/12/25 1:00	7.34	293	50.7	5.96	16.4	92.0	88.2	41.3	1.30	399	90.5	17.6	6.89	968	950	2744
8/12/25 2:00	7.20	293	50.9	5.25	16.4	86.9	90.3	41.3	1.31	400	92.7	17.6	6.71	986	962	2743
8/12/25 3:00	7.21	293	51.5	5.24	16.5	88.0	90.7	41.3	1.30	400	95.7	17.6	6.77	1012	976	2743
8/12/25 4:00	7.16	293	51.2	5.26	16.5	87.6	88.9	41.3	1.32	401	96.5	17.6	6.90	1020	989	2743
8/12/25 5:00	7.19	292	51.5	5.25	16.5	88.1	87.5	41.3	1.31	403	99.4	17.6	6.87	1052	1006	2743
8/12/25 6:00	7.17	293	51.6	6.04	16.5	94.5	87.9	41.3	1.32	403	100.5	17.5	7.08	1069	1028	2742
8/12/25 7:00	7.21	293	49.7	5.55	16.6	87.4	90.1	41.3	1.31	403	98.0	17.5	6.92	1028	1047	2742
8/12/25 8:00	7.21	377	45.0	5.82	16.1	80.2	90.0	41.3	1.32	403	97.7	17.5	6.99	1019	1050	2742
8/12/25 9:00	7.92	422	43.6	6.05	16.0	79.0	87.4	41.3	1.34	404	94.7	17.5	7.25	991	1039	2742
8/12/25 10:00	7.99	428	42.4	6.11	16.0	77.3	82.2	41.3	1.33	406	93.3	17.5	7.35	983	1012	2741
8/12/25 11:00	8.00	429	42.5	6.13	16.1	77.5	78.8	41.3	1.33	408	92.5	17.4	7.43	977	998	2741
8/12/25 12:00	7.98	431	42.5	6.84	16.1	82.9	77.9	41.3	1.32	406	91.2	17.4	7.50	954	984	2741
8/12/25 13:00	8.01	432	43.0	7.00	16.1	85.0	79.2	41.3	1.32	405	108.3	17.4	7.53	1147	971	2741
8/12/25 14:00	8.02	432	43.6	6.29	15.9	80.4	81.8	41.3	1.32	398	199.8	17.6	7.10	2244	1026	2740
8/12/25 15:00	8.00	360	47.6	5.62	16.2	83.4	82.8	41.3	1.32	392	204.7	17.7	6.92	2302	1448	2740
8/12/25 16:00	7.47	310	47.9	5.48	16.2	83.0	82.9	41.3	1.30	389	182.6	17.6	6.58	1926	1898	2740
8/12/25 17:00	7.38	303	47.5	5.47	16.3	82.5	82.3	41.4	1.30	391	159.2	17.6	6.83	1706	2157	2740
8/12/25 18:00	7.33	302	47.6	6.12	16.3	87.2	83.0	41.4	1.29	393	146.0	17.6	6.94	1592	1978	2740
8/12/25 19:00	7.32	302	47.5	6.27	16.4	88.4	84.3	41.4	1.28	394	138.3	17.6	6.90	1513	1741	2740
8/12/25 20:00	7.30	303	47.0	5.59	16.6	82.7	86.1	41.4	1.29	394	130.4	17.6	7.06	1435	1604	2739
8/12/25 21:00	7.34	302	47.6	5.51	16.6	83.3	86.1	41.4	1.28	394	124.3	17.6	7.13	1369	1513	2739
8/12/25 22:00	7.28	299	46.3	5.73	16.8	82.9	84.8	41.4	1.29	395	121.0	17.6	7.16	1342	1439	2739
8/12/25 23:00	7.50	295	46.6	5.74	16.3	82.6	83.0	41.4	1.29	395	114.2	17.6	7.13	1281	1382	2739
8/13/25 0:00	7.41	294	46.3	6.30	16.3	86.3	82.9	41.4	1.31	393	111.7	17.6	7.13	1247	1331	2738
8/13/25 1:00	7.41	294	47.3	6.35	16.5	88.9	83.9	41.4	1.30	394	111.3	17.6	6.98	1237	1290	2738
8/13/25 2:00	7.31	294	46.8	5.57	16.5	82.1	86.0	41.4	1.29	392	114.8	17.7	6.84	1265	1255	2738
8/13/25 3:00	7.33	292	44.5	5.46	16.6	77.5	85.8	41.4	1.33	386	99.2	17.7	6.80	1102	1250	2738
8/13/25 4:00	7.42	290	44.9	5.48	16.8	78.7	82.9	41.4	1.32	386	100.3	17.7	6.85	1113	1201	2737
8/13/25 5:00	7.36	290	46.2	5.38	17.0	80.6	79.5	41.4	1.32	387	100.0	17.7	6.88	1119	1160	2737
8/13/25 6:00	7.34	291	46.7	6.03	16.8	85.8	79.0	41.4	1.32	387	99.3	17.7	6.81	1105	1111	2737
8/13/25 7:00	7.34	291	47.1	5.75	16.7	84.2	81.7	41.4	1.33	387	90.8	17.7	6.77	998	1112	2737
8/13/25 8:00	7.32	293	45.5	5.45	16.7	79.2	83.5	41.4	1.33	387	89.5	17.7	6.66	977	1074	2736
8/13/25 9:00	7.46	387	38.9	6.78	15.7	74.8	83.1	41.4	1.33	386	92.2					

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
8/14/25 22:00	7.55	292	46.2	5.59	15.9	80.4	81.7	41.6	1.37	407	346.6	17.3	7.58	3371	3151	2733
8/14/25 23:00	7.61	290	46.3	5.29	16.2	78.9	80.0	41.6	1.35	409	364.9	17.2	7.62	3505	3357	2733
8/15/25 0:00	7.40	290	45.0	6.14	16.0	82.2	79.8	41.6	1.37	410	369.9	17.2	7.59	3517	3508	2733
8/15/25 1:00	7.49	290	44.4	5.99	16.0	80.0	80.5	41.6	1.37	412	387.3	17.2	7.64	3643	3464	2733
8/15/25 2:00	7.50	290	44.1	5.30	16.0	75.0	80.4	41.6	1.41	410	376.2	17.2	7.58	3533	3555	2733
8/15/25 3:00	7.55	290	45.3	5.38	16.0	77.5	79.1	41.6	1.42	410	375.5	17.2	7.68	3525	3564	2733
8/15/25 4:00	7.50	290	44.9	5.44	16.0	77.3	77.5	41.6	1.40	410	376.6	17.1	7.76	3513	3567	2733
8/15/25 5:00	7.53	290	45.6	5.33	15.8	77.6	76.6	41.6	1.36	413	382.0	17.1	7.77	3531	3524	2733
8/15/25 6:00	7.52	289	48.2	6.03	15.9	87.1	77.4	41.6	1.36	414	369.2	17.1	7.83	3402	3523	2733
8/15/25 7:00	7.48	290	49.6	5.57	15.9	86.2	80.6	41.6	1.36	416	387.0	17.1	7.78	3537	3482	2733
8/15/25 8:00	7.51	291	50.4	5.11	15.7	84.1	83.6	41.7	1.36	416	363.1	17.1	7.66	3337	3490	2733
8/15/25 9:00	7.50	291	50.0	5.08	15.6	83.0	85.8	41.7	1.36	417	364.6	17.1	7.73	3353	3425	2733
8/15/25 10:00	7.40	291	53.0	5.09	15.5	88.0	84.5	41.7	1.38	421	391.4	17.1	7.73	3573	3409	2733
8/15/25 11:00	7.41	293	54.7	5.13	15.6	91.3	85.1	41.7	1.40	423	434.5	17.0	7.92	3861	3421	2733
8/15/25 12:00	7.46	294	54.9	5.83	15.5	97.0	87.4	41.7	1.40	423	435.3	17.0	7.95	3885	3596	2733
8/15/25 13:00	7.45	294	53.7	6.03	15.7	96.6	92.1	41.7	1.43	421	413.0	17.0	7.96	3759	3773	2733
8/15/25 14:00	7.50	295	50.8	5.60	15.9	88.5	95.0	41.7	1.43	418	381.6	17.1	7.91	3556	3835	2733
8/15/25 15:00	7.51	296	49.4	5.35	15.9	84.3	94.0	41.7	1.43	416	366.8	17.1	7.98	3437	3733	2733
8/15/25 16:00	7.58	297	48.6	5.30	16.0	82.7	89.8	41.7	1.40	415	349.7	17.1	8.07	3285	3584	2733
8/15/25 17:00	7.60	295	50.7	5.27	16.1	86.3	85.2	41.7	1.38	417	342.0	17.0	8.18	3208	3426	2733
8/15/25 18:00	7.55	296	49.3	6.02	16.1	89.4	84.4	41.7	1.38	417	342.0	17.0	8.23	3202	3310	2733
8/15/25 19:00	7.62	294	50.5	6.12	16.1	92.2	86.1	41.7	1.36	417	328.1	17.0	8.21	3080	3232	2733
8/15/25 20:00	7.59	292	51.8	5.31	16.0	88.3	89.3	41.7	1.36	417	324.4	17.0	8.18	3024	3163	2733
8/15/25 21:00	7.58	292	51.4	5.31	16.0	87.6	90.0	41.7	1.35	418	318.2	17.0	8.16	2982	3102	2733
8/15/25 22:00	7.57	294	50.9	5.39	16.4	87.8	89.4	41.7	1.36	417	331.0	17.1	8.06	3111	3029	2733
8/15/25 23:00	7.70	294	47.9	5.44	16.1	82.5	87.9	41.7	1.36	416	327.6	17.1	7.92	3099	3039	2733
8/16/25 0:00	7.62	292	48.1	6.15	15.9	88.1	86.0	41.7	1.37	415	319.7	17.1	7.87	3049	3064	2733
8/16/25 1:00	7.57	292	47.7	6.23	15.9	87.7	86.1	41.7	1.38	413	311.1	17.1	7.80	2951	3086	2733
8/16/25 2:00	7.57	292	48.7	5.40	15.8	83.3	86.1	41.7	1.38	410	293.9	17.2	7.66	2796	3033	2733
8/16/25 3:00	7.60	291	47.6	5.47	15.9	82.1	86.4	41.7	1.37	409	284.6	17.2	7.61	2719	2932	2733
8/16/25 4:00	7.58	291	47.4	5.49	15.9	81.8	84.4	41.7	1.39	408	277.5	17.2	7.59	2653	2822	2733
8/16/25 5:00	7.59	291	46.4	5.45	15.8	79.7	82.4	41.7	1.39	407	279.5	17.2	7.54	2667	2723	2733
8/16/25 6:00	7.62	291	48.1	6.16	15.8	87.6	81.2	41.8	1.39	406	276.1	17.2	7.52	2623	2680	2733
8/16/25 7:00	7.58	291	50.2	5.67	15.8	87.9	83.1	41.8	1.39	407	279.2	17.2	7.50	2631	2648	2733
8/16/25 8:00	7.63	292	50.8	5.20	15.9	85.6	85.1	41.8	1.37	408	295.0	17.2	7.60	2784	2640	2733
8/16/25 9:00	7.56	292	51.3	5.14	15.9	86.1	87.0	41.8	1.36	412	282.7	17.2	7.76	2683	2679	2733
8/16/25 10:00	7.52	292	52.2	5.20	16.0	88.1	86.5	41.8	1.36	415	288.6	17.1	7.97	2748	2700	2733
8/16/25 11:00	7.55	293	54.3	5.23	16.2	92.1	86.6	41.8	1.35	416	284.8	17.1	8.16	2720	2739	2733
8/16/25 12:00	7.55	293	54.0	6.01	16.0	97.5	88.8	41.8	1.38	418	297.3	17.1	8.00	2845	2717	2732
8/16/25 13:00	7.54	294	54.4	6.16	15.9	99.3	92.6	41.8	1.40	418	290.9	17.1	7.99	2784	2771	2732
8/16/25 14:00	7.59	295	52.9	5.49	16.0	91.5	96.3	41.8	1.36	419	292.4	17.1	8.10	2788	2783	2732
8/16/25 15:00	7.59	295	53.5	5.39	16.0	91.8	96.1	41.8	1.36	420	291.8	17.1	8.23	2785	2806	2732
8/16/25 16:00	7.59	296	53.2	5.37	16.0	91.2	94.2	41.8	1.37	419	286.9	17.1	8.17	2764	2786	2732
8/16/25 17:00	7.60	295	53.0	5.33	16.0	90.4	91.5	41.8	1.36	417	283.9	17.1	8.18	2734	2779	2732
8/16/25 18:00	7.61	295	53.5	6.12	16.1	97.6	91.1	41.8	1.37	416	283.7	17.1	8.22	2737	2761	2732
8/16/25 19:00	7.61	294	52.0	6.16	16.1	95.3	93.1	41.8	1.38	416	289.9	17.1	8.26	2788	2745	2732
8/16/25 20:00	7.60	293	52.2	5.36	16.1	89.4	94.4	41.8	1.36	415	282.5	17.1	8.23	2731	2753	2731
8/16/25 21:00	7.56	293	51.9	5.50	15.8	89.4	94.1	41.8	1.35	413	287.1	17.2	7.79	2762	2752	2731
8/16/25 22:00	7.63	296	50.3	5.55	16.1	87.5	91.4	41.8	1.36	411	282.0	17.2	7.49	2665	2760	2731
8/16/25 23:00	7.69	292	52.7	5.29	15.9	89.4	88.8	41.8	1.36	409	275.6	17.1	7.55	2534	2719	2731
8/17/25 0:00	7.46	291	55.5	6.13	15.9	101.2	88.8	41.9	1.37	407	272.7	17.0	7.58	2408	2654	2731
8/17/25 1:00	7.49	290	53.9	5.94	16.0	96.9	92.7	41.9	1.37	407	270.3	17.1	7.63	2441	2536	2731
8/17/25 2:00	7.50	291	52.5	5.25	16.0	89.1	95.8	41.9	1.36	407	269.7	17.1	7.85	2500	2461	2731
8/17/25 3:00	7.55	291	52.5	5.23	16.1	88.9	95.7	41.9	1.37	409	273.6	17.1	7.93	2566	2450	2731
8/17/25 4:00	7.49	284	52.0	5.27	16.2	88.6	91.6	41.9	1.43	393	287.4	17.1	7.98	2718	2502	2731
8/17/25 5:00	7.56	262	47.3	5.44	16.3	81.9	88.9	41.9	1.54	326	286.0	17.1	8.22	2755	2595	2730
8/17/25 6:00	8.00	276	49.9	6.26	16.3	92.6	86.5	41.9	1.59	370	261.6	17.1	8.12	2531	2680	2730
8/17/25 7:00	7.93	287	48.9	5.72	16.2	87.1	87.7	41.9	1.53	399	279.5	17.1	8.00	2675	2668	2730
8/17/25 8:00	7.71	288	47.0	5.11	16.3	79.2	87.2	41.9	1.55	403	289.5	17.1	8.03	2741	2653	2730
8/17/25 9:00	7.68	289	46.3	5.08	16.3	77.7	86.3	41.9	1.55	404	284.9	17.1	7.97	2706	2649	2730
8/17/25 10:00	7.66	291	46.2	5.07	16.3	77.6	81.3	41.9	1.59	404	288.2	17.1	8.04	2725	2708	2730
8/17/25 11:00	7.60	293	45.5													

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	Air, H2O Corrected ppmv	ppmv
8/19/25 0:00	7.39	284	47.4	6.13	15.8	86.4	74.1	42.1	1.54	409	257.7	17.3	6.91	2405	2446	2725
8/19/25 1:00	7.33	283	46.0	6.28	15.8	84.8	79.7	42.1	1.55	408	257.7	17.3	6.93	2391	2406	2725
8/19/25 2:00	7.31	283	48.5	5.86	15.8	86.3	82.5	42.1	1.54	408	254.8	17.3	6.98	2364	2398	2725
8/19/25 3:00	7.30	283	48.9	5.50	15.6	84.1	85.8	42.1	1.54	409	259.8	17.3	7.02	2407	2387	2725
8/19/25 4:00	7.30	285	47.1	5.43	15.7	80.7	85.1	42.1	1.54	409	252.4	17.3	7.02	2351	2387	2725
8/19/25 5:00	7.37	285	47.4	5.38	15.8	80.9	83.7	42.1	1.54	409	253.8	17.2	7.10	2360	2374	2725
8/19/25 6:00	7.35	286	47.4	5.95	15.7	84.8	81.9	42.1	1.53	410	255.0	17.3	7.05	2370	2373	2725
8/19/25 7:00	7.36	286	47.6	5.68	15.7	83.0	82.2	42.1	1.52	411	246.4	17.3	6.98	2281	2360	2724
8/19/25 8:00	7.41	286	49.5	5.28	15.7	83.7	82.9	42.1	1.53	408	286.3	17.3	6.83	2690	2337	2724
8/19/25 9:00	7.37	288	47.7	5.26	15.8	80.6	83.9	42.1	1.54	409	290.6	17.3	7.02	2687	2447	2724
8/19/25 10:00	7.40	289	46.3	5.26	15.9	78.3	82.4	42.1	1.56	411	291.0	17.2	7.07	2691	2553	2724
8/19/25 11:00	7.41	290	43.5	5.42	16.1	74.9	80.9	42.1	1.59	410	290.4	17.2	7.12	2681	2690	2724
8/19/25 12:00	7.40	292	45.3	6.14	16.1	83.0	77.9	42.2	1.58	410	287.4	17.2	7.23	2637	2686	2724
8/19/25 13:00	7.49	292	43.9	6.12	16.2	80.2	78.7	42.2	1.56	410	281.5	17.2	7.38	2587	2670	2724
8/19/25 14:00	7.46	291	43.8	5.86	16.2	78.3	79.4	42.2	1.54	411	279.2	17.1	7.52	2572	2635	2724
8/19/25 15:00	7.43	291	44.4	5.39	16.3	76.6	80.5	42.2	1.55	412	268.5	17.1	7.58	2473	2599	2724
8/19/25 16:00	7.51	291	45.1	5.37	16.3	77.6	78.4	42.2	1.55	411	263.3	17.1	7.64	2417	2544	2724
8/19/25 17:00	7.49	291	44.7	5.38	16.3	77.0	77.5	42.2	1.53	412	267.3	17.1	7.73	2445	2487	2724
8/19/25 18:00	7.51	290	47.5	5.87	16.2	85.1	77.0	42.2	1.53	413	257.3	17.1	7.74	2355	2445	2724
8/19/25 19:00	7.56	291	47.0	6.06	16.2	85.5	79.9	42.2	1.54	413	259.5	17.1	7.69	2386	2406	2724
8/19/25 20:00	7.59	291	46.2	6.05	16.2	84.1	82.5	42.2	1.54	411	247.5	17.1	7.70	2277	2395	2724
8/19/25 21:00	7.60	291	46.4	5.60	16.3	81.3	84.9	42.2	1.54	412	269.4	17.0	7.85	2438	2339	2724
8/19/25 22:00	7.59	295	42.4	5.74	16.6	75.7	83.6	42.2	1.55	410	273.5	17.1	7.86	2533	2367	2724
8/19/25 23:00	8.15	295	40.4	5.53	16.3	70.4	80.4	42.2	1.56	404	267.0	17.1	7.80	2456	2416	2724
8/20/25 0:00	8.07	288	43.6	5.85	16.4	78.4	75.8	42.2	1.56	404	252.3	17.1	7.79	2315	2476	2723
8/20/25 1:00	7.69	284	45.8	5.94	16.5	83.0	74.8	42.2	1.55	406	239.5	17.1	7.81	2184	2434	2723
8/20/25 2:00	7.53	285	45.8	5.84	16.5	82.3	77.3	42.2	1.57	408	251.2	17.0	7.80	2278	2318	2723
8/20/25 3:00	7.50	284	44.7	5.41	16.5	77.5	81.2	42.2	1.58	409	263.5	17.1	7.73	2401	2259	2723
8/20/25 4:00	7.41	284	45.5	5.52	16.5	79.5	80.9	42.2	1.63	407	276.4	17.1	7.64	2500	2287	2723
8/20/25 5:00	7.39	285	44.6	5.48	16.5	77.7	79.8	42.2	1.65	405	291.4	17.1	7.53	2651	2393	2723
8/20/25 6:00	7.46	286	42.4	5.88	16.5	76.6	78.3	42.3	1.66	405	297.3	17.1	7.57	2681	2517	2723
8/20/25 7:00	7.44	286	44.7	5.61	16.5	78.7	77.9	42.3	1.65	404	318.8	17.1	7.51	2885	2611	2723
8/20/25 8:00	7.45	287	46.6	5.55	16.4	81.5	77.7	42.3	1.65	404	284.7	17.1	7.48	2570	2739	2723
8/20/25 9:00	7.47	287	48.0	5.62	16.4	84.5	78.9	42.3	1.66	405	304.6	17.1	7.50	2749	2712	2723
8/20/25 10:00	7.48	288	47.5	5.70	16.3	84.0	81.6	42.3	1.69	404	291.4	17.1	7.44	2630	2735	2723
8/20/25 11:00	7.48	289	49.0	5.77	16.2	87.0	83.3	42.3	1.71	401	274.8	17.2	7.29	2501	2650	2723
8/20/25 12:00	7.52	290	51.8	6.20	16.1	95.4	85.2	42.3	1.70	401	273.0	17.1	7.33	2432	2627	2723
8/20/25 13:00	7.48	289	50.9	6.28	16.1	94.3	88.8	42.3	1.69	402	265.8	17.1	7.31	2379	2521	2723
8/20/25 14:00	7.47	289	51.1	6.19	16.1	93.9	92.2	42.3	1.68	402	270.0	17.1	7.32	2431	2437	2723
8/20/25 15:00	7.45	289	51.2	5.80	16.1	91.0	94.5	42.3	1.69	403	274.0	17.1	7.30	2465	2414	2723
8/20/25 16:00	7.39	288	51.4	5.62	16.1	89.9	93.1	42.3	1.68	404	279.7	17.1	7.31	2520	2425	2723
8/20/25 17:00	7.37	288	50.9	5.68	16.0	89.4	91.6	42.3	1.67	405	287.6	17.2	7.22	2606	2472	2722
8/20/25 18:00	7.38	288	56.8	6.12	15.9	103.3	90.1	42.3	1.68	404	296.7	17.2	7.17	2663	2530	2722
8/20/25 19:00	7.40	289	52.6	6.19	16.0	96.4	94.2	42.4	1.67	405	310.2	17.1	7.24	2758	2596	2722
8/20/25 20:00	7.46	289	51.4	6.05	16.0	93.2	96.4	42.4	1.69	409	285.3	17.1	7.31	2525	2676	2722
8/20/25 21:00	7.53	291	50.0	5.88	16.0	89.4	97.7	42.4	1.70	410	293.3	17.1	7.25	2643	2649	2722
8/20/25 22:00	7.55	291	51.4	5.76	15.9	90.8	93.0	42.4	1.70	410	265.2	17.2	7.22	2403	2642	2722
8/20/25 23:00	7.61	294	49.7	5.98	16.3	89.9	91.1	42.4	1.70	411	279.3	17.2	7.24	2517	2524	2722
8/21/25 0:00	7.81	292	54.2	6.41	15.6	100.7	90.0	42.4	1.69	411	273.7	17.2	7.16	2476	2521	2722
8/21/25 1:00	7.63	291	53.5	6.55	15.7	100.7	93.8	42.4	1.68	411	281.7	17.2	7.10	2520	2465	2722
8/21/25 2:00	7.57	290	53.5	6.55	15.6	100.7	97.1	42.4	1.70	411	283.6	17.2	7.07	2530	2504	2722
8/21/25 3:00	7.61	290	53.8	6.41	15.7	100.0	100.7	42.4	1.70	410	288.5	17.2	6.99	2589	2509	2722
8/21/25 4:00	7.59	289	55.9	5.84	15.9	99.3	100.5	42.4	1.69	410	314.7	17.2	7.00	2815	2546	2722
8/21/25 5:00	7.51	289	54.8	5.77	15.9	96.8	100.0	42.4	1.69	409	296.3	17.2	7.00	2657	2644	2722
8/21/25 6:00	7.50	287	60.2	6.10	15.8	109.2	98.7	42.4	1.70	409	295.0	17.2	7.03	2637	2687	2722
8/21/25 7:00	7.41	287	51.2	5.90	15.9	91.7	101.8	42.4	1.69	409	287.0	17.2	7.07	2566	2703	2722
8/21/25 8:00	7.46	288	46.4	5.72	16.0	81.7	99.2	42.5	1.70	409	286.5	17.2	7.03	2568	2620	2722
8/21/25 9:00	7.44	288	46.9	5.74	16.0	82.9	94.2	42.5	1.70	411	296.3	17.1	7.09	2625	2590	2722
8/21/25 10:00	7.36	289	47.1	5.64	16.0	82.4	85.4	42.5	1.66	414	300.8	17.1	7.20	2652	2586	2722
8/21/25 11:00	7.31	289	44.4	5.51	16.0	76.9	82.3	42.5	1.66	414	296.2	17.1	7.25	2634	2615	2722
8/21/25 12:00	7.34	289	45.3	5.79	15.9	80.1	80.7	42.5	1.63	415	295.7	17.1	7.29	2646	2637	2722
8/21/25																

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
8/23/25 2:00	7.53	291	40.4	5.78	15.6	71.0	71.7	42.7	1.57	417	299.0	17.1	7.20	2590	2691	2720
8/23/25 3:00	7.58	291	41.1	5.60	15.6	71.2	71.4	42.7	1.57	416	297.4	17.1	7.29	2591	2663	2720
8/23/25 4:00	7.59	291	40.2	5.32	15.6	68.1	71.8	42.7	1.57	416	297.4	17.1	7.32	2634	2639	2719
8/23/25 5:00	7.60	291	38.8	5.27	15.7	65.5	70.1	42.7	1.58	416	297.1	17.1	7.39	2620	2605	2719
8/23/25 6:00	7.61	290	38.0	5.65	15.8	66.3	68.3	42.7	1.58	416	296.8	17.1	7.44	2655	2615	2719
8/23/25 7:00	7.59	291	37.4	5.38	15.8	63.6	66.6	42.7	1.56	417	300.9	17.1	7.49	2677	2637	2719
8/23/25 8:00	7.61	292	44.6	5.12	15.9	74.8	65.1	42.7	1.57	419	307.8	17.0	7.63	2730	2651	2719
8/23/25 9:00	7.65	294	45.2	5.13	16.0	75.8	68.2	42.7	1.57	419	304.5	17.0	7.70	2719	2687	2719
8/23/25 10:00	7.62	295	45.8	5.14	16.0	77.0	71.4	42.7	1.56	421	304.5	17.0	7.76	2747	2709	2719
8/23/25 11:00	7.61	298	45.4	5.22	16.0	76.8	75.8	42.7	1.55	420	289.8	17.1	7.70	2650	2732	2719
8/23/25 12:00	7.69	299	44.8	5.96	15.8	80.3	76.5	42.7	1.56	420	294.3	17.1	7.57	2698	2706	2719
8/23/25 13:00	7.66	300	43.3	6.13	15.8	78.7	78.0	42.7	1.54	420	293.1	17.1	7.58	2688	2699	2719
8/23/25 14:00	7.73	300	45.2	5.91	15.8	80.6	78.6	42.7	1.54	420	300.1	17.1	7.74	2744	2679	2719
8/23/25 15:00	7.72	298	46.2	5.49	15.7	79.5	79.9	42.8	1.54	421	311.3	17.1	7.35	2832	2710	2719
8/23/25 16:00	7.67	300	46.6	5.47	15.6	79.9	79.6	42.8	1.54	420	303.8	17.1	7.32	2699	2754	2719
8/23/25 17:00	7.73	300	45.2	5.47	15.6	77.5	80.0	42.8	1.54	420	301.5	17.1	7.33	2679	2758	2719
8/23/25 18:00	7.76	300	47.8	5.92	15.6	85.1	79.0	42.8	1.55	419	297.9	17.1	7.39	2633	2736	2719
8/23/25 19:00	7.80	299	49.3	6.04	15.6	88.7	80.8	42.8	1.54	419	301.8	17.1	7.38	2707	2670	2718
8/23/25 20:00	7.75	297	48.1	5.99	15.6	86.1	83.8	42.8	1.56	419	303.9	17.1	7.42	2726	2673	2718
8/23/25 21:00	7.74	300	48.0	5.79	16.0	85.1	86.6	42.8	1.56	419	304.4	17.1	7.49	2731	2689	2718
8/23/25 22:00	7.98	297	50.2	5.56	15.6	86.7	86.6	42.8	1.56	419	305.5	17.1	7.53	2751	2721	2718
8/23/25 23:00	7.71	294	49.1	5.41	15.8	83.9	85.9	42.8	1.56	419	308.3	17.1	7.54	2787	2736	2718
8/24/25 0:00	7.67	294	49.4	5.95	15.8	88.4	85.2	42.8	1.56	417	305.3	17.0	7.64	2731	2756	2718
8/24/25 1:00	7.68	295	47.7	6.08	15.8	86.2	86.3	42.8	1.56	418	305.4	17.1	7.51	2717	2756	2718
8/24/25 2:00	7.67	295	47.7	5.80	15.7	84.1	86.2	42.8	1.55	418	307.1	17.1	7.36	2741	2745	2718
8/24/25 3:00	7.69	295	46.3	5.37	15.8	78.9	86.3	42.8	1.55	417	308.0	17.1	7.42	2737	2730	2718
8/24/25 4:00	7.71	295	45.9	5.37	15.8	78.2	83.1	42.9	1.57	417	305.2	17.1	7.42	2725	2732	2718
8/24/25 5:00	7.75	295	44.4	5.40	15.8	75.9	80.4	42.9	1.57	416	298.8	17.1	7.38	2679	2734	2718
8/24/25 6:00	7.76	295	45.9	6.00	15.8	82.6	77.7	42.9	1.57	414	283.9	17.2	7.25	2592	2714	2718
8/24/25 7:00	7.77	295	44.8	5.57	15.8	77.8	78.9	42.9	1.57	413	278.3	17.2	7.14	2557	2665	2718
8/24/25 8:00	7.77	297	41.5	5.18	15.7	69.6	78.8	42.9	1.55	412	283.1	17.2	7.12	2601	2609	2718
8/24/25 9:00	7.79	298	41.4	5.11	15.7	69.0	76.6	42.9	1.55	414	275.4	17.2	7.11	2546	2583	2717
8/24/25 10:00	7.72	299	41.6	5.15	15.6	69.5	72.1	42.9	1.53	418	280.1	17.2	7.22	2599	2568	2717
8/24/25 11:00	7.77	298	43.6	5.15	15.6	72.8	69.3	42.9	1.53	420	271.9	17.2	7.31	2537	2582	2717
8/24/25 12:00	7.77	298	44.6	5.92	15.6	79.6	70.4	42.9	1.54	420	279.4	17.2	7.30	2606	2561	2717
8/24/25 13:00	7.78	300	43.9	6.07	15.6	79.2	73.9	42.9	1.54	419	279.7	17.2	7.26	2617	2581	2717
8/24/25 14:00	7.81	299	43.5	5.32	15.6	73.6	77.2	42.9	1.54	420	293.8	17.2	7.28	2725	2587	2717
8/24/25 15:00	7.77	299	41.3	5.27	15.6	69.7	77.4	42.9	1.54	420	288.9	17.2	7.26	2690	2649	2717
8/24/25 16:00	7.77	299	41.7	5.26	15.6	70.2	74.2	42.9	1.53	420	294.9	17.2	7.28	2749	2677	2717
8/24/25 17:00	7.76	300	40.2	5.29	15.3	67.5	71.2	42.9	1.52	418	289.4	17.4	6.65	2725	2721	2717
8/24/25 18:00	7.73	299	42.1	6.13	15.1	75.6	69.2	42.9	1.53	413	278.9	17.3	6.54	2572	2721	2717
8/24/25 19:00	7.73	297	42.9	6.14	15.2	77.3	71.1	42.9	1.54	413	275.7	17.3	6.61	2508	2682	2716
8/24/25 20:00	7.68	296	43.4	5.36	15.3	73.4	73.5	42.9	1.55	412	276.5	17.3	6.71	2540	2602	2716
8/24/25 21:00	7.64	295	42.8	5.37	15.5	72.7	75.5	42.9	1.56	412	277.0	17.3	6.85	2552	2540	2716
8/24/25 22:00	7.77	297	41.5	5.64	16.1	72.8	74.5	42.9	1.59	407	274.0	17.2	7.21	2489	2533	2716
8/24/25 23:00	7.99	293	42.3	5.32	15.8	71.9	73.0	42.9	1.58	409	276.7	17.2	7.16	2534	2527	2716
8/25/25 0:00	7.74	292	44.3	6.07	15.8	80.3	72.4	43.0	1.58	408	267.8	17.2	7.13	2467	2525	2716
8/25/25 1:00	7.68	291	43.2	5.92	15.8	77.3	75.0	43.0	1.57	408	269.1	17.2	7.11	2474	2497	2716
8/25/25 2:00	7.69	291	43.1	5.19	15.7	72.3	76.5	43.0	1.56	407	264.3	17.3	6.90	2451	2492	2716
8/25/25 3:00	7.72	290	42.4	5.18	15.6	71.0	76.6	43.0	1.59	405	269.4	17.3	6.88	2473	2464	2716
8/25/25 4:00	7.70	290	42.4	5.17	15.6	70.9	73.5	43.0	1.59	403	264.8	17.3	6.75	2404	2466	2715
8/25/25 5:00	7.70	290	42.3	5.17	15.5	70.7	71.4	43.0	1.59	402	258.7	17.3	6.79	2359	2443	2715
8/25/25 6:00	7.69	289	42.7	6.04	15.5	76.8	70.9	43.0	1.59	402	265.4	17.3	6.77	2419	2412	2715
8/25/25 7:00	7.65	290	42.5	5.43	15.7	72.6	72.8	43.0	1.60	402	264.1	17.3	6.75	2382	2394	2715
8/25/25 8:00	7.70	291	43.1	5.20	15.8	72.5	73.4	43.0	1.59	405	271.3	17.2	6.94	2397	2387	2715
8/25/25 9:00	7.68	293	42.3	5.15	15.8	70.9	74.0	43.0	1.58	408	278.6	17.2	6.83	2503	2400	2715
8/25/25 10:00	7.67	295	40.9	5.16	15.8	68.6	72.0	43.0	1.58	409	306.2	17.3	6.63	2727	2428	2715
8/25/25 11:00	7.71	296	41.5	5.22	15.7	69.8	70.7	43.0	1.57	409	292.0	17.2	6.60	2571	2543	2715
8/25/25 12:00	7.66	297	40.7	5.97	15.6	72.9	69.8	43.0	1.57	409	287.4	17.2	6.60	2536	2600	2715
8/25/25 13:00	7.71	297	42.3	6.18	15.5	76.9	70.4	43.0	1.57	409	284.3	17.2	6.63	2512	2611	2714
8/25/25 14:00	7.68	297	41.2	5.54	15.6	71.0	73.2	43.0	1.57	410	281.8	17.3	6.63	2512	2539	2714
8/25/25 15:00	7.70	298	40.9													

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	ppmv	ppmv						Air, H2O Corrected ppmv	ppmv	ppmv
8/27/25 4:00	7.03	279	45.6	5.39	15.3	77.3	79.2	43.2	1.63	407	285.8	17.3	6.70	2640	2716	2710
8/27/25 5:00	7.10	282	45.7	5.55	15.3	78.4	78.3	43.2	1.63	407	285.3	17.3	6.64	2653	2674	2710
8/27/25 6:00	7.27	282	46.8	6.11	15.3	84.2	78.0	43.2	1.61	407	283.1	17.3	6.65	2637	2658	2710
8/27/25 7:00	7.21	281	45.3	5.70	15.3	78.8	80.0	43.2	1.61	406	288.2	17.4	6.58	2690	2644	2710
8/27/25 8:00	7.12	281	45.7	5.22	15.5	76.7	80.5	43.2	1.61	409	337.6	17.2	6.85	3051	2660	2710
8/27/25 9:00	7.14	285	43.0	5.23	15.4	72.1	79.9	43.2	1.60	411	608.4	17.2	6.56	5357	2793	2710
8/27/25 10:00	7.21	285	43.5	5.17	15.4	72.6	75.9	43.2	1.61	413	345.9	17.3	7.22	3321	3699	2710
8/27/25 11:00	7.08	287	43.2	5.14	15.2	71.6	73.8	43.2	1.60	417	386.1	17.2	7.54	3647	3910	2710
8/27/25 12:00	7.02	287	45.6	5.84	15.1	80.0	72.1	43.2	1.58	419	396.9	17.2	7.54	3750	4109	2710
8/27/25 13:00	7.02	286	45.0	5.98	15.1	79.8	74.7	43.2	1.58	420	393.4	17.2	7.54	3716	3573	2710
8/27/25 14:00	6.96	285	44.8	5.48	15.1	76.2	77.1	43.2	1.58	420	392.2	17.2	7.54	3705	3704	2710
8/27/25 15:00	6.91	285	44.6	5.18	15.0	73.9	78.7	43.2	1.58	422	411.4	17.2	7.54	3886	3724	2710
8/27/25 16:00	6.91	285	46.6	5.17	15.1	77.3	76.6	43.2	1.58	422	409.4	17.2	7.54	3868	3769	2710
8/27/25 17:00	6.93	285	45.7	5.15	15.2	75.9	75.8	43.2	1.57	423	442.7	17.2	7.54	4182	3819	2710
8/27/25 18:00	6.90	285	46.8	5.88	15.2	82.5	75.7	43.2	1.58	422	415.1	17.2	7.25	3805	3979	2710
8/27/25 19:00	6.95	285	44.9	6.02	15.1	79.9	78.5	43.2	1.58	420	421.3	17.2	6.58	3694	3952	2710
8/27/25 20:00	6.94	282	46.0	5.25	15.1	76.8	79.4	43.2	1.59	419	407.4	17.2	6.64	3571	3894	2710
8/27/25 21:00	6.95	284	44.7	5.20	15.2	74.5	79.7	43.2	1.59	421	441.2	17.2	6.79	3839	3690	2710
8/27/25 22:00	7.07	286	43.6	5.40	15.6	74.3	77.1	43.2	1.59	417	415.3	17.4	6.44	3839	3701	2710
8/27/25 23:00	7.40	290	42.4	5.26	15.3	71.0	75.2	43.2	1.62	415	439.2	17.3	6.64	3915	3749	2710
8/28/25 0:00	7.32	282	44.4	6.19	15.5	80.7	73.3	43.2	1.60	414	384.5	17.2	6.78	3397	3864	2710
8/28/25 1:00	7.09	279	45.7	6.26	15.1	82.8	75.4	43.2	1.59	416	383.8	17.2	6.89	3406	3717	2710
8/28/25 2:00	6.99	280	43.1	5.49	15.0	73.3	78.2	43.3	1.61	414	401.5	17.3	6.69	3587	3573	2710
8/28/25 3:00	7.12	283	40.7	5.19	15.3	68.0	79.0	43.3	1.62	413	398.2	17.2	6.66	3527	3463	2710
8/28/25 4:00	7.25	284	41.1	5.17	15.3	68.4	74.7	43.3	1.60	411	378.1	17.2	6.76	3345	3507	2710
8/28/25 5:00	7.20	281	42.6	5.14	15.4	70.8	69.9	43.3	1.61	412	363.5	17.2	6.78	3248	3487	2710
8/28/25 6:00	7.09	280	42.3	5.90	15.4	75.1	69.1	43.3	1.61	411	357.6	17.2	6.73	3182	3373	2710
8/28/25 7:00	7.00	279	43.9	5.43	15.4	74.8	71.5	43.3	1.61	414	363.1	17.2	6.98	3238	3258	2710
8/28/25 8:00	6.98	279	44.8	4.98	15.4	73.6	73.6	43.3	1.60	415	363.4	17.2	6.86	3269	3223	2710
8/28/25 9:00	6.99	280	43.8	4.98	15.4	72.1	74.5	43.3	1.60	415	373.8	17.2	6.77	3334	3230	2710
8/28/25 10:00	6.99	283	43.4	5.00	15.5	71.5	73.5	43.3	1.59	415	375.8	17.1	6.91	3281	3280	2710
8/28/25 11:00	7.07	285	41.6	5.05	15.6	68.9	72.4	43.3	1.59	415	371.7	17.1	7.12	3246	3295	2710
8/28/25 12:00	7.17	286	42.7	5.89	15.6	76.0	70.8	43.3	1.60	415	371.2	17.1	7.14	3262	3287	2710
8/28/25 13:00	7.18	287	40.8	5.96	15.6	72.9	72.1	43.3	1.59	417	367.7	17.1	7.28	3237	3263	2710
8/28/25 14:00	7.26	288	41.0	5.19	15.8	69.0	72.6	43.3	1.59	416	369.5	17.1	7.35	3280	3248	2710
8/28/25 15:00	7.30	287	40.0	5.16	15.8	67.1	72.6	43.3	1.60	416	372.8	17.1	7.21	3305	3260	2710
8/28/25 16:00	7.28	287	40.3	5.14	15.8	67.5	69.7	43.3	1.59	418	367.3	17.1	7.40	3259	3274	2710
8/28/25 17:00	7.27	289	39.7	5.15	15.8	66.6	67.9	43.3	1.63	418	381.3	17.1	7.34	3388	3281	2710
8/28/25 18:00	7.31	288	38.8	5.79	15.7	68.6	67.0	43.3	1.59	420	390.6	17.1	7.31	3483	3317	2710
8/28/25 19:00	7.25	287	40.8	5.93	15.8	72.8	67.5	43.3	1.60	422	386.1	17.1	7.21	3416	3376	2710
8/28/25 20:00	7.19	287	39.5	5.42	15.6	67.5	69.3	43.3	1.65	419	393.8	17.2	6.91	3459	3429	2710
8/28/25 21:00	7.24	286	41.0	5.21	15.7	68.9	69.6	43.3	1.65	416	401.4	17.2	6.81	3495	3453	2710
8/28/25 22:00	7.25	285	40.5	5.17	15.6	67.7	69.7	43.3	1.68	413	368.9	17.2	6.64	3243	3457	2710
8/28/25 23:00	7.19	285	40.0	5.24	15.5	67.2	68.0	43.3	1.64	412	366.9	17.2	6.59	3230	3399	2710
8/29/25 0:00	7.28	286	40.1	6.01	15.8	72.1	67.9	43.3	1.65	412	387.3	17.2	6.61	3383	3322	2710
8/29/25 1:00	7.41	283	40.7	5.98	15.5	72.8	69.0	43.3	1.70	411	386.0	17.2	6.55	3364	3285	2710
8/29/25 2:00	7.13	285	39.1	5.52	15.4	67.1	70.7	43.3	1.70	408	408.3	17.2	6.46	3550	3325	2710
8/29/25 3:00	7.40	284	39.4	5.19	15.4	65.9	70.7	43.3	1.67	407	395.1	17.2	6.46	3415	3432	2710
8/29/25 4:00	7.28	283	40.7	5.17	15.4	67.8	68.6	43.3	1.66	409	370.8	17.2	6.42	3230	3443	2710
8/29/25 5:00	7.36	288	39.1	5.19	15.4	65.3	66.9	43.3	1.63	410	377.4	17.2	6.53	3248	3398	2710
8/29/25 6:00	7.56	285	41.9	5.94	15.4	74.4	66.3	43.3	1.62	408	358.8	17.4	6.26	3228	3298	2710
8/29/25 7:00	7.39	282	46.4	5.56	15.4	79.9	69.2	43.3	1.62	406	335.0	17.3	6.22	2980	3235	2710
8/29/25 8:00	7.18	282	45.3	5.15	15.4	75.4	73.2	43.3	1.65	406	312.4	17.4	6.19	2806	3152	2710
8/29/25 9:00	7.21	284	43.8	5.09	15.4	72.5	76.6	43.3	1.65	407	346.2	17.3	6.42	3105	3005	2710
8/29/25 10:00	7.17	286	42.7	5.10	15.3	70.7	75.9	43.3	1.67	408	342.1	17.3	6.33	3081	2964	2710
8/29/25 11:00	7.18	288	41.2	5.13	15.3	68.3	72.9	43.3	1.64	409	340.0	17.4	6.29	3084	2998	2710
8/29/25 12:00	7.19	289	42.9	5.76	15.4	75.0	70.5	43.3	1.64	410	345.6	17.4	6.28	3132	3090	2710
8/29/25 13:00	7.22	291	41.8	5.90	15.6	74.2	71.4	43.3	1.65	411	346.8	17.4	6.23	3148	3099	2710
8/29/25 14:00	7.20	291	41.3	5.72	15.6	72.2	72.5	43.3	1.64	411	343.1	17.4	6.24	3120	3121	2710
8/29/25 15:00	7.20	290	41.7	5.27	15.6	70.3	73.8	43.3	1.63	411	347.6	17.4	6.21	3173	3133	2710
8/29/25 16:00	7.14	289	39.8	5.27	15.5	67.0	72.3	43.3	1.61	412	353.9	17.4	6.19	3242	3147	2710

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
8/31/25 6:00	7.17	285	45.0	5.96	15.6	80.5	80.1	43.5	1.62	408	419.8	17.3	6.45	3800	3060	2708
8/31/25 7:00	7.25	288	46.7	5.82	15.6	82.5	80.1	43.5	1.63	407	326.0	17.4	6.44	3016	3336	2708
8/31/25 8:00	7.38	288	44.3	5.49	15.7	76.2	81.2	43.5	1.61	406	296.6	17.4	6.50	2796	3350	2708
8/31/25 9:00	7.30	290	42.3	5.47	15.8	72.6	79.7	43.5	1.62	407	333.9	17.3	6.72	3116	3204	2708
8/31/25 10:00	7.33	292	42.5	5.52	15.7	73.3	77.1	43.5	1.57	412	314.9	17.3	6.82	2949	2976	2708
8/31/25 11:00	7.32	292	43.1	5.50	15.6	74.0	74.0	43.5	1.55	417	316.1	17.3	6.74	2965	2954	2708
8/31/25 12:00	7.38	292	45.7	5.64	15.5	79.3	73.3	43.5	1.58	419	345.3	17.3	6.79	3227	3010	2708
8/31/25 13:00	7.35	293	42.8	5.70	15.6	74.7	75.5	43.5	1.57	419	311.6	17.4	6.72	2948	3047	2708
8/31/25 14:00	7.37	293	42.7	5.72	15.6	74.6	76.0	43.5	1.59	418	320.8	17.4	6.68	3054	3046	2708
8/31/25 15:00	7.33	293	41.8	5.72	15.6	73.1	76.2	43.5	1.57	418	323.9	17.4	6.73	3082	3076	2708
8/31/25 16:00	7.35	294	42.1	5.72	15.5	73.4	74.1	43.5	1.57	419	319.5	17.4	6.61	3056	3028	2708
8/31/25 17:00	7.37	293	43.0	5.67	15.5	74.7	73.7	43.5	1.57	419	319.5	17.4	6.55	3056	3064	2707
8/31/25 18:00	7.29	293	43.6	5.67	15.5	75.9	73.7	43.5	1.58	418	313.1	17.4	6.56	2999	3065	2707
8/31/25 19:00	7.31	292	42.9	5.67	15.5	74.6	74.7	43.5	1.57	417	314.1	17.4	6.59	3008	3037	2707
8/31/25 20:00	7.30	292	41.2	5.66	15.6	71.7	75.1	43.5	1.55	418	308.6	17.4	6.64	2963	3021	2707
8/31/25 21:00	7.30	298	37.1	5.91	16.1	66.4	74.1	43.5	1.55	416	310.1	17.4	6.62	3006	2990	2707
8/31/25 22:00	7.82	298	37.6	5.79	15.8	66.4	70.9	43.5	1.53	414	310.2	17.5	6.55	3071	2992	2707
8/31/25 23:00	7.49	292	38.6	5.74	15.9	67.9	68.2	43.5	1.56	413	322.9	17.4	6.57	3099	3013	2707
9/1/25 0:00	7.34	291	38.6	5.74	15.8	67.8	66.9	43.5	1.59	411	320.5	17.4	6.46	3030	3059	2707
9/1/25 1:00	7.32	291	37.3	5.75	15.7	65.5	67.4	43.5	1.58	409	360.1	17.5	6.30	3468	3067	2707
9/1/25 2:00	7.42	291	37.8	5.75	15.7	66.5	67.0	43.5	1.58	409	408.1	17.4	6.44	3850	3199	2707
9/1/25 3:00	7.39	290	37.8	5.76	15.7	66.5	66.6	43.5	1.59	407	305.8	17.5	6.36	2929	3449	2707
9/1/25 4:00	7.38	289	37.2	5.76	15.7	65.3	66.2	43.5	1.58	408	290.9	17.5	6.37	2807	3416	2707
9/1/25 5:00	7.37	289	38.1	5.74	15.7	67.0	66.1	43.5	1.58	407	280.2	17.5	6.36	2685	3196	2707
9/1/25 6:00	7.35	289	37.7	5.67	15.7	65.8	66.3	43.5	1.59	405	278.0	17.5	6.39	2651	2807	2707
9/1/25 7:00	7.35	289	43.1	5.44	15.7	73.7	66.0	43.5	1.59	404	275.6	17.4	6.42	2625	2715	2707
9/1/25 8:00	7.29	289	45.9	5.24	15.9	77.5	68.8	43.5	1.59	405	277.1	17.4	6.53	2645	2654	2707
9/1/25 9:00	7.36	291	44.7	5.41	15.9	76.6	72.3	43.5	1.61	407	283.5	17.4	6.68	2713	2641	2707
9/1/25 10:00	7.32	293	44.5	5.55	15.7	76.9	75.9	43.5	1.56	410	289.6	17.4	6.72	2800	2661	2707
9/1/25 11:00	7.35	295	45.4	5.45	15.8	78.0	77.0	43.5	1.54	412	279.6	17.4	6.79	2729	2719	2707
9/1/25 12:00	7.40	295	46.6	5.76	15.8	82.2	77.2	43.5	1.54	416	292.8	17.4	6.85	2850	2747	2707
9/1/25 13:00	7.39	295	47.3	5.80	15.8	83.6	79.1	43.5	1.54	417	281.5	17.4	6.84	2742	2793	2707
9/1/25 14:00	7.41	296	43.8	5.78	15.7	77.2	81.3	43.6	1.54	417	279.8	17.4	6.70	2743	2773	2707
9/1/25 15:00	7.36	297	43.4	5.71	15.7	76.0	81.0	43.6	1.55	414	282.0	17.5	6.69	2784	2778	2707
9/1/25 16:00	7.41	298	47.7	5.51	15.9	82.4	79.0	43.6	1.56	412	279.7	17.4	6.90	2771	2756	2707
9/1/25 17:00	7.40	297	50.8	5.42	15.8	87.1	78.6	43.6	1.54	414	279.8	17.4	6.84	2761	2766	2707
9/1/25 18:00	7.39	297	51.5	5.75	15.8	90.6	81.9	43.6	1.53	414	291.2	17.4	6.83	2858	2772	2707
9/1/25 19:00	7.47	296	51.1	5.84	15.9	90.8	86.7	43.6	1.52	412	434.2	17.5	6.83	4272	2796	2707
9/1/25 20:00	7.42	297	47.4	5.88	16.0	84.7	89.5	43.6	1.53	411	288.7	17.5	6.92	2905	3297	2707
9/1/25 21:00	7.52	297	46.0	6.08	16.5	84.3	88.7	43.6	1.55	410	321.1	17.4	7.07	3172	3345	2707
9/1/25 22:00	7.62	295	47.5	5.91	15.9	84.9	86.6	43.6	1.55	409	289.4	17.4	6.88	2846	3450	2707
9/1/25 23:00	7.49	292	49.1	5.67	16.0	86.2	84.6	43.6	1.56	407	267.6	17.5	6.68	2665	2974	2707
9/2/25 0:00	7.37	291	50.8	6.05	15.9	92.0	85.2	43.6	1.56	407	271.9	17.4	6.82	2682	2894	2707
9/2/25 1:00	7.36	291	51.0	6.15	15.9	93.1	87.7	43.6	1.54	408	268.6	17.5	6.73	2653	2731	2707
9/2/25 2:00	7.38	290	52.2	6.17	15.9	95.4	90.4	43.6	1.55	407	269.7	17.5	6.57	2673	2667	2707
9/2/25 3:00	7.35	291	53.0	6.01	15.9	95.4	93.5	43.6	1.57	405	269.4	17.5	6.48	2659	2669	2707
9/2/25 4:00	7.40	291	52.7	5.75	15.8	92.7	94.6	43.6	1.57	404	279.7	17.5	6.45	2767	2662	2707
9/2/25 5:00	7.36	290	53.6	5.66	15.8	93.5	94.5	43.6	1.57	404	268.8	17.5	6.46	2650	2700	2707
9/2/25 6:00	7.34	289	62.0	5.99	15.7	111.1	93.9	43.6	1.59	402	263.5	17.5	6.43	2603	2692	2707
9/2/25 7:00	7.28	288	56.1	5.68	15.8	98.6	99.1	43.6	1.59	401	271.9	17.5	6.42	2680	2673	2707
9/2/25 8:00	7.28	290	47.3	5.42	15.9	81.2	101.1	43.6	1.60	401	255.2	17.5	6.48	2497	2644	2706
9/2/25 9:00	7.31	292	46.8	5.54	15.9	81.2	97.0	43.7	1.61	403	270.6					

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	ppmv	ppmv						Air, H2O Corrected ppmv	ppmv	ppmv
9/4/25 8:00	7.72	282	48.0	5.09	15.9	80.3	83.7	43.8	1.70	395	351.5	17.4	6.89	3369	3265	2707
9/4/25 9:00	7.30	277	49.9	5.09	15.8	83.2	82.1	43.9	1.70	396	334.1	17.4	6.69	3166	3206	2707
9/4/25 10:00	7.26	278	49.9	5.06	15.7	82.9	80.5	43.9	1.70	395	256.2	17.4	6.55	2460	3272	2707
9/4/25 11:00	7.27	281	50.5	5.06	15.6	83.7	82.1	43.9	1.68	398	279.1	17.4	6.59	2649	2998	2707
9/4/25 12:00	7.26	282	48.5	5.98	15.6	86.9	83.3	43.9	1.63	397	270.1	17.5	6.34	2658	2759	2707
9/4/25 13:00	7.21	283	47.8	5.87	15.5	84.5	84.5	43.9	1.59	396	212.4	17.6	6.12	2154	2589	2707
9/4/25 14:00	7.16	282	47.8	5.20	15.3	79.8	85.0	43.9	1.56	396	221.9	17.7	6.02	2269	2487	2706
9/4/25 15:00	7.15	283	45.7	5.22	15.4	76.5	83.7	43.9	1.58	396	229.3	17.7	6.14	2359	2361	2706
9/4/25 16:00	7.17	282	47.6	5.21	15.4	79.6	80.3	43.9	1.56	396	235.3	17.7	6.06	2417	2261	2706
9/4/25 17:00	7.15	283	47.3	5.22	15.3	79.0	78.6	43.9	1.55	395	313.6	17.7	5.86	3183	2348	2706
9/4/25 18:00	7.12	283	45.6	5.97	15.2	81.2	78.4	43.9	1.54	394	321.1	17.7	5.78	3223	2653	2706
9/4/25 19:00	7.13	284	44.7	6.08	15.2	80.1	79.9	43.9	1.56	393	292.7	17.7	5.86	2942	2941	2706
9/4/25 20:00	7.25	289	42.9	5.36	15.3	72.5	80.1	43.9	1.57	392	238.1	17.8	5.78	2461	3116	2706
9/4/25 21:00	7.51	287	44.7	5.32	15.3	75.3	77.9	43.9	1.59	393	316.6	17.6	6.05	3177	2876	2706
9/4/25 22:00	7.36	284	46.2	5.38	15.2	78.0	76.0	43.9	1.60	397	316.1	17.6	6.22	3139	2860	2706
9/4/25 23:00	7.21	282	47.9	5.52	15.5	82.4	75.3	43.9	1.60	401	324.4	17.5	6.30	3120	2926	2706
9/5/25 0:00	7.25	281	46.3	6.28	15.1	84.4	78.6	43.9	1.59	404	326.9	17.5	6.48	3159	3145	2706
9/5/25 1:00	7.18	278	50.0	5.98	15.3	89.0	81.6	43.9	1.60	404	307.2	17.5	6.44	2983	3140	2706
9/5/25 2:00	7.03	277	49.8	5.19	15.3	82.9	85.3	43.9	1.59	405	315.3	17.5	6.48	3042	3087	2706
9/5/25 3:00	7.03	277	48.5	5.19	15.3	80.9	85.5	43.9	1.60	407	330.6	17.4	6.63	3124	3061	2706
9/5/25 4:00	7.06	277	49.0	5.18	15.4	81.7	84.3	43.9	1.59	408	329.6	17.4	6.73	3119	3050	2706
9/5/25 5:00	7.06	279	46.3	5.18	15.5	77.3	81.8	43.9	1.61	407	324.6	17.4	6.85	3109	3095	2706
9/5/25 6:00	7.13	282	43.2	5.96	15.5	77.2	80.0	43.9	1.61	402	301.6	17.4	6.84	2949	3117	2706
9/5/25 7:00	7.27	283	46.3	5.56	15.6	80.1	78.7	43.9	1.62	402	311.5	17.3	7.00	2993	3059	2706
9/5/25 8:00	7.29	284	44.2	5.11	15.6	73.6	78.2	43.9	1.64	403	315.2	17.3	7.00	2981	3017	2706
9/5/25 9:00	7.28	286	44.0	5.13	15.7	73.5	77.0	43.9	1.66	400	304.4	17.4	6.94	2937	2974	2706
9/5/25 10:00	7.34	287	42.8	5.16	15.6	71.5	75.7	43.9	1.66	400	310.2	17.3	6.97	2976	2970	2706
9/5/25 11:00	7.31	288	43.0	5.19	15.5	72.0	72.9	43.9	1.65	401	305.1	17.4	6.82	2961	2964	2705
9/5/25 12:00	7.27	287	42.5	5.79	15.5	74.8	72.4	43.9	1.64	400	303.6	17.4	6.82	2947	2958	2705
9/5/25 13:00	7.22	287	42.9	5.93	15.5	76.3	72.8	44.0	1.63	396	270.3	17.6	6.51	2767	2961	2705
9/5/25 14:00	7.22	286	42.1	5.69	15.6	73.6	74.4	44.0	1.64	392	261.0	17.6	6.46	2701	2892	2705
9/5/25 15:00	7.17	287	42.2	5.28	15.6	71.3	74.9	44.0	1.60	391	289.2	17.6	6.33	2928	2805	2705
9/5/25 16:00	7.20	289	40.7	5.28	15.5	68.6	73.7	44.0	1.60	394	290.4	17.5	6.27	2789	2799	2705
9/5/25 17:00	7.26	290	40.2	5.30	15.2	67.6	71.2	44.0	1.57	394	251.0	17.5	6.00	2388	2806	2705
9/5/25 18:00	7.32	289	43.3	5.80	15.2	75.7	69.2	44.0	1.57	394	253.9	17.6	5.86	2422	2702	2705
9/5/25 19:00	7.19	287	42.3	5.92	15.4	74.9	70.6	44.0	1.59	395	320.4	17.5	6.22	3086	2533	2705
9/5/25 20:00	7.13	286	43.3	6.01	15.4	77.3	72.7	44.0	1.60	393	264.6	17.6	6.10	2610	2632	2705
9/5/25 21:00	7.17	284	42.7	5.58	15.3	73.4	76.0	44.0	1.57	394	254.4	17.6	6.17	2497	2706	2705
9/5/25 22:00	7.13	287	41.2	5.95	15.5	73.4	75.2	44.0	1.59	395	244.0	17.6	6.15	2395	2731	2704
9/5/25 23:00	7.45	283	44.0	5.50	15.2	75.0	74.7	44.0	1.60	398	302.5	17.5	6.39	2883	2500	2704
9/6/25 0:00	7.06	280	47.4	5.86	15.2	83.5	73.9	44.0	1.61	402	312.8	17.4	6.42	2948	2592	2704
9/6/25 1:00	7.01	279	47.6	5.98	15.2	84.5	77.3	44.0	1.61	405	327.9	17.4	6.54	3092	2742	2704
9/6/25 2:00	7.02	277	47.5	5.57	15.3	81.7	81.0	44.0	1.62	404	328.1	17.4	6.48	3090	2974	2704
9/6/25 3:00	7.00	276	47.1	5.24	15.3	78.8	83.2	44.0	1.62	404	327.0	17.4	6.54	3093	3043	2704
9/6/25 4:00	7.02	276	46.0	5.23	15.3	76.9	81.6	44.0	1.63	403	329.3	17.4	6.52	3103	3092	2704
9/6/25 5:00	7.01	276	46.0	5.21	15.3	76.9	79.1	44.0	1.62	402	332.6	17.4	6.46	3127	3095	2704
9/6/25 6:00	6.99	276	45.5	5.86	15.3	80.2	77.5	44.0	1.63	402	326.1	17.4	6.53	3069	3108	2704
9/6/25 7:00	7.01	276	44.2	5.55	15.3	75.9	78.0	44.0	1.62	402	325.5	17.4	6.44	3029	3100	2704
9/6/25 8:00	7.03	278	45.4	5.15	15.3	75.4	77.6	44.0	1.62	403	324.2	17.3	6.37	2939	3075	2704
9/6/25 9:00	7.00	280	45.5	5.18	15.3	75.9	77.2	44.0	1.62	404	323.3	17.4	6.33	2952	3013	2704
9/6/25 10:00	7.00	282	43.5	5.19	15.3	72.6	75.7	44.0	1.60	406	324.7	17.3	6.42	2958	2974	2704
9/6/25 11:00	7.03	283	43.4	5.22	15.2	72.4	74.6	44.0	1.61	407	327.0	17.				

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	ppmv	ppmv						Air, H2O Corrected ppmv	ppmv	ppmv
9/8/25 10:00	6.51	272	51.3	5.17	15.6	85.8	89.3	44.2	1.60	404	300.7	17.5	6.34	2923	2990	2704
9/8/25 11:00	6.55	276	47.6	5.24	15.6	80.1	87.1	44.2	1.62	407	311.9	17.4	6.51	2958	2923	2704
9/8/25 12:00	7.00	281	45.6	5.56	15.5	78.6	84.5	44.2	1.64	409	333.2	17.4	6.59	3112	2932	2704
9/8/25 13:00	7.14	284	43.9	5.68	15.4	76.2	81.5	44.2	1.63	410	336.7	17.4	6.60	3135	2998	2704
9/8/25 14:00	7.28	284	45.0	5.64	15.5	78.0	78.3	44.2	1.61	410	328.5	17.4	6.68	3085	3068	2704
9/8/25 15:00	7.14	283	47.3	5.64	15.4	82.0	77.6	44.2	1.61	411	337.8	17.3	6.79	3135	3111	2704
9/8/25 16:00	7.11	283	43.6	5.59	15.4	75.3	78.7	44.2	1.59	415	334.4	17.3	6.86	3104	3118	2704
9/8/25 17:00	7.08	282	42.3	5.47	15.6	72.4	78.4	44.2	1.59	415	329.4	17.3	6.83	3079	3108	2704
9/8/25 18:00	7.10	283	43.9	5.57	15.6	75.8	76.5	44.3	1.61	413	319.3	17.4	6.76	3037	3106	2704
9/8/25 19:00	7.17	284	41.3	5.61	15.6	71.7	74.5	44.3	1.60	408	333.1	17.5	6.64	3263	3073	2704
9/8/25 20:00	7.20	283	39.6	5.64	15.6	68.8	73.3	44.3	1.58	406	340.4	17.5	6.49	3371	3126	2704
9/8/25 21:00	7.19	288	25.8	5.85	16.2	46.1	72.1	44.3	1.60	406	343.8	17.5	6.63	3338	3223	2704
9/8/25 22:00	7.46	287	25.9	5.81	15.6	45.6	62.2	44.3	1.59	405	291.4	17.5	6.51	2880	3324	2704
9/8/25 23:00	7.43	287	27.4	5.75	15.6	48.1	53.5	44.3	1.59	402	278.3	17.5	6.43	2727	3196	2704
9/9/25 0:00	7.33	283	27.9	5.72	15.6	48.9	46.6	44.3	1.60	401	301.3	17.5	6.38	2963	2982	2704
9/9/25 1:00	7.08	279	28.3	5.71	15.7	49.6	47.5	44.3	1.60	403	301.0	17.5	6.50	2932	2857	2704
9/9/25 2:00	7.03	278	29.4	5.69	15.7	51.4	48.8	44.3	1.60	402	305.5	17.5	6.48	2960	2874	2704
9/9/25 3:00	7.00	278	30.8	5.76	15.8	54.2	50.0	44.3	1.61	402	305.2	17.5	6.47	2929	2952	2704
9/9/25 4:00	7.01	278	33.6	6.09	15.7	60.7	51.7	44.3	1.64	402	301.5	17.4	6.56	2835	2940	2704
9/9/25 5:00	7.03	278	34.7	6.14	15.6	63.0	55.5	44.3	1.67	401	294.7	17.4	6.46	2764	2908	2704
9/9/25 6:00	7.04	278	41.2	6.25	15.7	75.5	59.3	44.3	1.66	401	307.0	17.4	6.46	2875	2843	2704
9/9/25 7:00	7.01	278	37.7	6.10	15.9	68.4	66.4	44.3	1.63	402	339.0	17.4	6.4			

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	ppmv	Air, H2O Corrected ppmv
9/12/25 12:00	6.25	277	40.2	6.09	16.2	73.4	69.3	44.5	1.07	407	296.6	17.4	6.83	2845	2885	2704
9/12/25 13:00	6.16	276	38.2	6.02	16.3	69.4	70.7	44.5	1.06	411	297.3	17.4	6.92	2848	2893	2704
9/12/25 14:00	6.20	276	39.1	5.89	16.3	70.2	70.6	44.5	1.06	412	298.0	17.3	7.00	2854	2860	2704
9/12/25 15:00	6.21	275	39.0	5.67	16.2	68.6	71.0	44.5	1.06	414	299.8	17.3	7.08	2860	2849	2704
9/12/25 16:00	6.18	275	38.9	5.42	16.2	67.0	69.4	44.5	1.06	414	314.1	17.3	7.14	2976	2854	2704
9/12/25 17:00	6.22	274	37.3	5.26	16.2	63.6	68.6	44.5	1.09	412	318.3	17.3	7.14	3001	2897	2704
9/12/25 18:00	6.14	274	37.4	5.66	16.2	65.9	66.4	44.5	1.09	411	330.3	17.2	7.18	3091	2946	2704
9/12/25 19:00	6.24	275	35.6	5.82	16.1	63.4	65.5	44.5	1.07	411	334.1	17.3	7.21	3162	3023	2704
9/12/25 20:00	6.26	277	35.2	5.78	16.1	62.5	64.3	44.5	1.07	413	339.9	17.3	7.19	3203	3085	2705
9/12/25 21:00	6.42	277	34.9	5.69	16.2	61.5	63.9	44.5	1.06	412	334.4	17.3	7.16	3196	3152	2705
9/12/25 22:00	6.33	281	33.1	5.64	16.5	58.4	62.5	44.5	1.07	411	329.6	17.3	7.09	3105	3187	2705
9/12/25 23:00	6.72	283	33.9	5.56	15.9	58.9	60.8	44.5	1.06	413	338.9	17.3	7.03	3161	3168	2705
9/13/25 0:00	6.59	280	35.2	5.71	16.0	62.1	59.6	44.5	1.05	413	332.8	17.3	6.99	3145	3154	2705
9/13/25 1:00	6.41	275	37.1	5.76	16.1	65.8	59.8	44.5	1.07	413	333.4	17.3	7.08	3125	3137	2705
9/13/25 2:00	6.15	272	36.7	5.68	16.1	64.6	62.3	44.5	1.07	413	335.7	17.3	7.05	3155	3144	2705
9/13/25 3:00	6.06	271	36.1	5.40	16.1	62.1	64.2	44.5	1.08	414	332.7	17.3	7.03	3145	3142	2705
9/13/25 4:00	6.10	272	36.0	5.17	16.1	60.7	64.1	44.5	1.07	414	337.7	17.3	7.05	3180	3142	2705
9/13/25 5:00	6.13	272	35.5	5.16	16.1	59.8	62.5	44.5	1.06	414	364.3	17.3	7.10	3413	3160	2705
9/13/25 6:00	6.13	273	35.2	5.62	16.1	61.6	60.9	44.5	1.07	414	346.7	17.3	7.11	3256	3246	2705
9/13/25 7:00	6.25	273	37.4	5.28	16.1	63.6	60.7	44.5	1.06	413	332.3	17.3	7.10	3119	3283	2705
9/13/25 8:00	6.12	271	37.5	4.93	16.1	62.1	61.7	44.5	1.07	413	337.7	17.2	7.20	3129	3263	2706
9/13/25 9:00	6.04	272	38.5	4.94	16.0	63.6	62.4	44.5	1.09	415	338.9	17.2				

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						ppmv	Air, H2O Corrected ppmv	ppmv						ppmv	Air, H2O Corrected ppmv	ppmv
9/16/25 14:00	6.31	283	38.6	6.04	16.0	70.0	70.6	44.7	1.11	409	308.9	17.3	7.16	2964	2921	2708
9/16/25 15:00	6.30	283	37.6	5.71	16.2	66.3	71.3	44.7	1.08	409	304.8	17.3	7.20	2950	2943	2708
9/16/25 16:00	6.29	282	37.6	5.47	16.2	65.1	68.6	44.7	1.08	409	314.5	17.3	7.21	3035	2953	2708
9/16/25 17:00	6.29	282	37.0	5.34	16.1	63.3	67.2	44.7	1.06	409	328.4	17.3	7.19	3174	2983	2708
9/16/25 18:00	6.33	282	38.5	5.84	16.1	68.5	64.9	44.7	1.08	409	323.8	17.3	7.11	3117	3053	2708
9/16/25 19:00	6.28	280	37.1	6.08	16.2	67.7	65.7	44.7	1.07	408	310.6	17.3	7.02	2967	3108	2708
9/16/25 20:00	6.30	281	40.2	6.27	16.1	74.4	66.5	44.7	1.08	409	312.4	17.3	6.97	2946	3086	2708
9/16/25 21:00	6.33	283	40.7	6.13	16.2	74.6	70.2	44.7	1.10	409	304.8	17.3	6.76	2865	3010	2708
9/16/25 22:00	6.46	284	40.2	5.79	16.0	71.2	72.2	44.7	1.07	409	302.3	17.4	6.70	2869	2926	2708
9/16/25 23:00	6.57	283	40.3	5.69	16.0	70.8	73.4	44.7	1.06	410	315.1	17.4	6.67	2983	2893	2708
9/17/25 0:00	6.36	280	43.8	6.18	15.9	80.1	72.2	44.7	1.06	409	310.8	17.4	6.67	2938	2906	2708
9/17/25 1:00	6.35	282	42.2	6.40	15.9	78.7	74.0	44.7	1.07	408	312.6	17.4	6.67	2933	2930	2708
9/17/25 2:00	6.44	282	40.7	6.18	15.8	74.4	76.5	44.7	1.06	408	311.8	17.4	6.68	2968	2951	2708
9/17/25 3:00	6.47	280	40.1	5.54	15.9	69.5	77.7	44.7	1.07	406	307.7	17.4	6.64	2901	2946	2708
9/17/25 4:00	6.30	277	41.2	5.44	16.0	70.8	74.2	44.7	1.07	406	300.6	17.4	6.63	2836	2934	2708
9/17/25 5:00	6.18	275	42.2	5.58	15.9	73.4	71.6	44.7	1.08	406	299.7	17.4	6.63	2841	2902	2708
9/17/25 6:00	6.14	276	42.5	6.14	15.9	77.6	71.2	44.7	1.06	406	298.2	17.4	6.64	2841	2859	2708
9/17/25 7:00	6.24	277	37.5	5.60	15.9	65.4	73.9	44.7	1.07	406	298.4	17.4	6.60	2821	2840	2708
9/17/25 8:00	6.28	278	36.6	5.25	16.1	62.2	72.1	44.7	1.09	405	308.2	17.4	6.66	2886	2834	2708
9/17/25 9:00	6.26	278	37.8	5.33	16.2	64.7	68.4	44.7	1.09	407	324.1	17.3	6.81	3031	2849	2708
9/17/25 10:00	6.22	281	39.0	5.52	16.2	67.8	64.1	44.7	1.09	409	320.7	17.3	6.94	3000	2913	2708
9/17/25 11:00	6.22	280	42.1	5.49	16.2	73.1	64.9	44.7	1.04	413	395.0	17.3	7.11			

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv
9/20/25 16:00	6.93	293	27.4	5.55	15.7	47.4	47.4	44.8	1.14	403	291.9	17.4	6.58	2748	2689	2711
9/20/25 17:00	6.89	293	26.2	5.52	15.6	45.2	47.7	44.8	1.14	403	288.2	17.4	6.52	2703	2711	2711
9/20/25 18:00	6.89	291	29.6	5.93	15.6	52.7	46.4	44.8	1.13	403	294.6	17.4	6.46	2763	2719	2711
9/20/25 19:00	6.84	291	26.3	5.99	15.5	47.0	48.4	44.8	1.10	411	1780.7	17.2	6.69	14421	2738	2712
9/20/25 20:00	6.83	290	26.3	5.98	15.4	46.9	48.3	44.8	1.08	549	10399.1	16.5	7.25	73623	6629	2720
9/20/25 21:00	6.82	290	26.1	5.78	15.5	45.8	48.9	44.8	1.06	517	9298.0	17.6	6.28	102704	30269	2731
9/20/25 22:00	6.85	291	28.6	5.53	15.6	49.3	46.6	44.8	1.03	437	2268.0	17.8	6.22	25235	63583	2734
9/20/25 23:00	6.91	293	26.9	5.74	16.3	47.7	47.3	44.8	1.03	410	438.5	18.0	6.09	5334	67187	2734
9/21/25 0:00	7.15	286	30.8	6.04	15.9	55.6	47.6	44.8	1.04	401	518.1	18.0	6.01	6156	44424	2735
9/21/25 1:00	6.77	285	29.3	6.41	15.7	54.5	50.9	44.8	1.04	396	433.6	18.0	5.99	5191	12241	2735
9/21/25 2:00	6.94	283	28.9	6.09	15.6	52.1	52.6	44.8	1.04	394	136.8	18.0	6.01	1651	5560	2735
9/21/25 3:00	6.76	281	28.8	5.60	15.7	50.0	54.0	44.8	1.06	398	1894.3	17.8	6.26	20720	4332	2737
9/21/25 4:00	6.72	281	29.2	5.48	15.7	50.3	52.2	44.8	1.05	395	246.8	17.9	6.17	2917	9187	2737
9/21/25 5:00	6.73	281	27.9	5.44	15.8	47.8	50.8	44.8	1.03	393	205.3	17.9	6.18	2444	8429	2737
9/21/25 6:00	6.76	280	29.0	5.87	15.6	51.5	49.4	44.8	1.02	394	147.2	18.0	6.02	1740	8694	2736
9/21/25 7:00	6.67	279	28.6	5.47	15.7	49.4	49.9	44.8	1.03	394	143.5	18.0	6.01	1696	2367	2736
9/21/25 8:00	6.67	280	23.0	5.16	15.8	38.5	49.6	44.8	1.02	394	150.0	17.9	6.07	1763	1960	2736
9/21/25 9:00	6.69	280	22.7	5.09	15.9	38.0	46.5	44.8	1.04	396	168.4	17.9	6.12	1976	1733	2736
9/21/25 10:00	6.66	282	22.8	5.08	15.9	38.1	42.0	44.8	1.04	395	153.9	17.9	6.15	1815	1812	2736
9/21/25 11:00	6.69	283	23.4	5.07	15.9	39.0	38.2	44.8	1.04	396	156.6	17.9	6.21	1847	1851	2736
9/21/25 12:00	6.67	284	23.1	5.53	16.0	40.2	38.3	44.8	1.04	397	158.8	17.9	6.34	1886	1879	2736
9/21/25 13:00	6.73	285	22.6	5.61												

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	365Day	Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	365Day
						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv						Air, H2O Corrected ppmv	Air, H2O Corrected ppmv	Air, H2O Corrected ppmv
9/24/25 18:00	6.27	275	34.0	6.22	16.2	62.7	52.7	44.8	1.28	406	236.9	17.4	6.98	2384	3223	2770
9/24/25 19:00	6.26	276	33.3	6.22	16.2	61.5	57.6	44.8	1.28	405	252.5	17.4	6.97	2528	2868	2770
9/24/25 20:00	6.31	276	35.3	6.21	16.3	65.1	60.5	44.9	1.27	406	253.9	17.4	7.08	2523	2662	2770
9/24/25 21:00	6.29	278	33.3	6.14	16.9	61.7	63.1	44.9	1.27	406	258.4	17.4	7.12	2621	2479	2770
9/24/25 22:00	6.52	278	32.3	6.11	16.8	59.6	62.8	44.9	1.27	407	268.2	17.4	7.10	2699	2557	2771
9/24/25 23:00	6.45	269	33.1	6.14	16.7	61.3	62.2	44.9	1.26	403	344.6	17.4	7.17	3432	2614	2771
9/25/25 0:00	6.48	258	33.5	6.01	16.7	61.3	60.9	44.9	1.21	399	515.2	17.3	7.63	5167	2917	2771
9/25/25 1:00	6.64	271	30.5	5.82	16.9	55.0	60.8	44.9	1.21	404	330.9	17.4	7.37	3341	3766	2771
9/25/25 2:00	6.35	270	30.5	5.70	16.9	54.4	59.2	44.9	1.20	410	241.5	17.4	7.31	2438	3980	2771
9/25/25 3:00	6.14	270	31.5	5.77	16.8	56.6	56.9	44.9	1.20	413	225.9	17.4	7.27	2280	3649	2771
9/25/25 4:00	6.19	270	32.5	5.58	16.8	57.4	55.3	44.9	1.20	413	231.7	17.4	7.21	2347	2686	2771
9/25/25 5:00	6.06	271	31.1	5.64	16.6	55.1	56.2	44.9	1.20	413	238.6	17.4	7.18	2416	2355	2771
9/25/25 6:00	6.13	272	32.5	5.60	16.4	57.1	56.4	44.9	1.22	412	238.6	17.5	7.18	2454	2348	2771
9/25/25 7:00	6.21	271	30.5	5.34	16.5	52.6	56.5	44.9	1.21	412	471.2	17.4	7.16	4742	2406	2772
9/25/25 8:00	6.00	273	24.6	5.21	16.5	41.9	54.9	44.9	1.21	411	270.3	17.4	7.23	2736	3204	2772
9/25/25 9:00	6.11	273	24.5	5.23	16.4	41.7	50.5	44.9	1.21	414	457.8	17.3	7.39	4433	3311	2772
9/25/25 10:00	6.05	274	25.2	5.26	16.4	43.0	45.4	44.9	1.21	417	430.2	17.3	7.47	4178	3970	2772
9/25/25 11:00	6.04	274	25.6	5.28	16.3	43.7	42.2	44.9	1.21	418	331.0	17.3	7.44	3270	3782	2772
9/25/25 12:00	6.08	274	24.7	5.71	16.3	43.7	42.8	44.9	1.23	419	312.5	17.4	7.36	3127	3960	2772
9/25/25 13:00	5.99	274	23.7	5.76	16.3	42.2	43.5	44.9	1.23	419	329.2	17.3	7.44	3266	3525	2772
9/25/25 14:00	6.04	275	24.5	5.73	16.3	43.4	43.2	44.9	1.22	419	304.3	17.3	7.46	3038	3221	2772
9/25/25 15:00	6.05	276	23.2	5.67	16.4	40.9	43.1	44.9	1.22	418	308.5	17.3	7.53	3060	3144	2772
9/25/25 16:00	6.32	276	22.9	5.39	16.5	39.6	42.2	44.9	1.22	419	299.1	17.3	7.57	2991	3121	2772
9/25/25 17:00	6.11	275	23.1	5.31	16.5	39.7	41.3	44.9	1.20	415	300.6	17.3	7.57	3020	3030	2773
9/25/25 18:00	6.31	277	23.9	5.63	16.4	42.2	40.1	44.9	1.22	418	293.6	17.4	7.54	2988	3024	2773
9/25/25 19:00	6.29	275	23.5	5.71	16.5	41.7	40.5	44.9	1.21	418	292.7	17.4	7.53	3001	3000	2773
9/25/25 20:00	6.29	274	23.7	5.71	16.5	42.1	41.2	44.9	1.21	416	294.0	17.4	7.45	2999	3003	2773
9/25/25 21:00	6.17	274	25.5	5.89	16.6	46.1	42.0	44.9	1.21	413	292.1	17.4	7.22	2963	2996	2773
9/25/25 22:00	6.23	273	25.8	5.85	16.1	46.0	43.3	44.9	1.20	411	288.3	17.4	7.20	2934	2987	2773
9/25/25 23:00	6.19	274	24.8	5.70	16.0	43.7	44.7	44.9	1.22	411	289.4	17.5	7.13	2972	2965	2773
9/26/25 0:00	6.26	274	26.1	5.96	16.0	47.0	45.3	44.9	1.22	409	280.4	17.5	7.04	2913	2956	2773
9/26/25 1:00	6.30	274	26.0	6.00	16.0	46.9	45.6	44.9	1.22	408	282.1	17.5	7.00	2900	2940	2773
9/26/25 2:00	6.34	273	25.3	5.78	16.1	44.9	45.9	44.9	1.23	407	285.2	17.5	6.93	2913	2928	2773
9/26/25 3:00	6.23	271	27.6	5.78	16.1	49.0	46.3	44.9	1.23	406	280.8	17.5	6.86	2901	2909	2773
9/26/25 4:00	6.08	272	27.0	5.73	16.1	47.7	46.9	44.9	1.22	405	273.1	17.5	6.86	2835	2905	2773
9/26/25 5:00	6.15	272	27.0	5.56	16.1	47.0	47.2	44.9	1.22	405	272.9	17.5	6.89	2849	2883	2773
9/26/25 6:00	6.12	271	28.5	5.75	16.0	50.3	47.9	44.9	1.22	406	274.1	17.5	6.91	2852	2862	2773
9/26/25 7:00	6.15	271	26.1	5.45	16.0	45.0	48.3	44.9	1.22	407	286.7	17.5	6.97	2987	2845	2773
9/26/25 8:00	6.13	271	28.8	5.18	15.9	48.4	47.4	44.9	1.22	407	286.4	17.5	6.86	2993	2896	2773
9/26/25 9:00	5.92	271	28.0	5.14	16.0	47.1	47.9	44.9	1.21	406	289.1	17.5	6.88	3012	2944	2773
9/26/25 10:00	5.94	273	26.7	5.16	16.1	45.0	46.8	44.9	1.22	409	275.0	17.5	7.04	2878	2997	2773
9/26/25 11:00	5.97	275	29.8	5.18	16.0	50.3	46.8	44.9	1.22	409	260.8	17.6	7.01	2772	2961	2773
9/26/25 12:00	6.06	277	20.2	5.85	16.1	36.1	47.5	44.9	1.22	408	287.8	17.5	7.06	3014	2887	2773
9/26/25 13:00	6.13	278	19.0	5.94	16.2	34.2	43.8	44.9	1.22	412	309.8	17.4	7.34	3160	2888	2773
9/26/25 14:00	6.13	282	16.8	5.86	16.1	30.1	40.2	44.9	1.21	415	322.5	17.4	7.14	3258	2982	2773
9/26/25 15:00	6.79	292	14.5	5.45	16.0	25.0	33.5	44.9	1.20	415	312.9	17.5	6.92	3148	3144	2773
9/26/25 16:00	7.20	295	14.0	5.49	15.8	24.1	29.8	44.9	1.20	415	306.3	17.5	6.82	3071	3189	2773
9/26/25 17:00	7.22	294	14.7	5.52	15.9	25.4	26.4	44.9	1.20	415	305.6	17.5	6.88	3055	3159	2773
9/26/25 18:00	7.20	293	16.2	5.95	15.9	29.2	24.8	44.9	1.20	415	311.8	17.5	6.87	3111	3091	2773
9/26/25 19:00	7.12	287	18.1	5.73	16.3	32.1	26.2	44.9	1.20	415	314.5	17.5	6.91	3152	3079	2773
9/26/25 20:00	6.82	284	18.2	5.64	16.5	32.2	28.9	44.9	1.20	416	315.9	17.5	6.94	3179	3106	2773
9/26/25 21:00	6.74	285	16.9	5.77	16.6	30.2	31.2	44.9	1.20	416	316.0	17.4	6.94	3168	3147	2773
9/26/25 22:00	6.94	284	18.9	5.49	16.2	32.7	31.5	44.9	1.20	415	313.7	17.5	7.07	3194	3166	2773
9/26/25 23:00	6.91	283	19.1	5.44	16.3	33.0	31.7	44.9	1.23	413	313.6	17.5	6.98	3169	3180	2773
9/27/25 0:00	6.90	284	21.1	5.91	16.3	38.1	32.0	44.9	1.21	413	314.6	17.4	7.08	3145	3177	2773
9/27/25 1:00	6.87	284	19.3	5.99	16.3	35.1	34.6	44.9	1.22	414	314.9	17.4	7.10	3127	3169	2773
9/27/25 2:00	6.93	283	20.6	5.94	16.4	37.1	35.4	44.9	1.23	413	315.5	17.4	7.12	3150	3147	2773
9/27/25 3:00	6.92	283	20.4	5.53	16.3	35.5	36.8	44.9	1.20	414	316.1	17.4	7.18	3191	3141	2773

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		Flow MMSCFH	Temp DEGF	Act SO2 PPMV	O2 V%	H2O V%	1 Hr	3Hr	
						Air, H2O Corrected	ppmv	365Day						Air, H2O Corrected	ppmv	365Day
9/27/25 4:00	6.92	282	21.4	5.44	16.4	37.0	35.9	44.9	1.21	415	323.0	17.4	7.23	3274	3156	2773
9/27/25 5:00	6.93	282	19.9	5.36	16.4	34.3	36.6	44.9	1.20	414	325.3	17.4	7.20	3290	3205	2773
9/27/25 6:00	6.93	282	21.8	5.63	16.6	38.4	35.6	44.9	1.21	414	327.5	17.4	7.17	3333	3252	2773
9/27/25 7:00	6.85	281	23.0	5.17	16.6	39.4	36.6	44.9	1.23	413	330.5	17.4	7.13	3329	3299	2773
9/27/25 8:00	6.85	281	17.5	4.86	16.6	29.1	37.4	44.9	1.23	413	340.8	17.4	7.24	3393	3317	2773
9/27/25 9:00	6.83	281	16.8	4.87	16.6	27.9	35.7	44.9	1.23	416	339.6	17.4	7.33	3398	3352	2773
9/27/25 10:00	6.82	282	17.2	4.87	16.7	28.7	32.1	44.9	1.22	416	336.8	17.3	7.44	3390	3373	2773
9/27/25 11:00	6.84	282	16.9	4.93	16.9	28.3	28.5	44.9	1.23	416	339.4	17.3	7.59	3396	3394	2773
9/27/25 12:00	6.81	285	18.3	5.93	16.6	33.3	28.3	44.9	1.22	418	343.5	17.3	7.58	3442	3395	2773
9/27/25 13:00	6.93	285	23.1	5.85	16.5	41.6	30.1	44.9	1.22	420	355.9	17.3	7.65	3535	3409	2774
9/27/25 14:00	6.93	286	17.3	5.14	16.5	29.3	34.4	44.9	1.21	422	356.2	17.3	7.66	3516	3458	2774
9/27/25 15:00	7.00	287	16.6	5.10	16.6	28.0	34.7	44.9	1.20	423	354.9	17.2	7.72	3484	3498	2774
9/27/25 16:00	6.96	286	14.3	5.10	16.6	24.1	32.9	44.9	1.21	421	358.9	17.3	7.56	3575	3512	2774
9/27/25 17:00	6.98	286	15.1	5.10	16.6	25.6	27.1	44.9	1.22	418	370.6	17.3	7.51	3727	3525	2774
9/27/25 18:00	6.94	285	17.1	5.84	16.5	30.8	25.9	44.9	1.22	416	363.9	17.4	7.45	3696	3595	2774
9/27/25 19:00	6.94	284	20.6	5.96	16.6	37.4	26.9	44.9	1.22	414	340.4	17.4	7.40	3463	3666	2774
9/27/25 20:00	6.87	282	17.7	5.27	16.8	30.4	31.3	44.9	1.23	414	339.6	17.4	7.43	3431	3629	2774
9/27/25 21:00	6.83	281	4.9	5.36	17.0	8.5	32.9	44.8	1.22	414	339.2	17.4	7.22	3346	3530	2774
9/27/25 22:00	6.67	281	5.6	5.35	17.0	9.7	25.4	44.8	1.21	413	332.4	17.3	7.27	3268	3413	2774
9/27/25 23:00	6.77	281	15.3	5.41	16.6	26.5	16.2	44.8	1.20	413	329.3	17.4	7.21	3291	3302	2774
9/28/25 0:00	6.75	281	17.7	6.11	16.8	33.0	14.9	44.8	1.21	412	325.0	17.4	7.00	3205	3305	2774
9/28/25 1:00	6.81	281	19.2	6.14	16.6	35.4	23.1	44.8	1.22	411	321.7	17.4	7.00	3160	3255	2775
9/28/25 2:00	6.79	280	19.2	5.29	16.5	32.9	31.6	44.8	1.22	409	320.2	17.4	6.97	3140	3219	2775
9/28/25 3:00	6.75	280	18.2	5.26	16.5	31.1	33.8	44.8	1.23	408	317.3	17.4	7.03	3145	3168	2775
9/28/25 4:00	6.75	280	18.2	5.27	16.6	31.2	33.1	44.8	1.22	409	314.1	17.4	7.19	3137	3148	2775
9/28/25 5:00	6.74	280	19.4	5.26	16.6	33.2	31.7	44.8	1.20	410	308.3	17.4	7.17	3139	3140	2775
9/28/25 6:00	6.72	281	20.0	6.06	16.5	36.7	31.8	44.8	1.21	411	308.9	17.5	7.13	3182	3140	2775
9/28/25 7:00	6.75	281	22.4	5.67	16.4	40.0	33.7	44.8	1.22	410	309.3	17.5	7.07	3189	3152	2775
9/28/25 8:00	6.78	283	18.3	5.24	16.3	31.2	36.6	44.8	1.22	410	303.6	17.5	6.96	3079	3170	2775
9/28/25 9:00	6.87	284	18.2	5.26	16.2	31.0	35.9	44.8	1.22	411	309.7	17.5	6.76	3110	3150	2775
9/28/25 10:00	6.78	286	17.1	5.22	15.9	28.9	34.0	44.8	1.24	412	311.4	17.5	6.55	3127	3126	2775
9/28/25 11:00	6.83	287	17.0	5.26	16.0	28.7	30.3	44.8	1.26	412	312.6	17.5	6.51	3148	3105	2775
9/28/25 12:00	6.76	287	20.5	6.04	15.8	37.0	29.5	44.8	1.26	413	317.9	17.6	6.47	3206	3128	2775
9/28/25 13:00	6.74	287	19.5	6.25	15.8	35.9	31.6	44.8	1.24	414	322.3	17.6	6.57	3272	3160	2775
9/28/25 14:00	6.66	287	18.7	5.96	15.9	33.6	33.9	44.8	1.22	415	322.4	17.5	6.75	3308	3209	2775
9/28/25 15:00	6.73	283	20.0	5.51	16.1	34.7	35.5	44.8	1.20	415	311.7	17.5	7.01	3237	3262	2775
9/28/25 16:00	6.51	279	19.4	5.33	16.1	33.2	34.7	44.8	1.21	414	312.3	17.5	7.06	3238	3272	2775
9/28/25 17:00	6.44	277	20.4	5.05	16.4	34.3	33.8	44.8	1.21	414	355.6	17.5	7.08	3687	3261	2776
9/28/25 18:00	6.31	275	22.1	5.55	16.4	38.6	34.0	44.8	1.19	412	305.0	17.6	6.70	3238	3387	2776
9/28/25 19:00	6.25	275	21.8	5.70	16.5	38.6	35.4	44.8	1.19	414	297.1	17.6	6.59	3122	3388	2776
9/28/25 20:00	6.26	275	20.3	5.29	16.6	34.9	37.2	44.8	1.22	414	302.2	17.6	6.50	3126	3349	2776
9/28/25 21:00	6.22	274	22.2	5.33	16.3	38.2	37.4	44.8	1.21	413	299.1	17.6	6.32	3106	3162	2776
9/28/25 22:00	6.19	274	23.4	5.30	16.9	40.3	37.2	44.8	1.21	411	288.3	17.7	6.20	3032	3118	2776
9/28/25 23:00	6.23	274	23.8	5.24	16.9	40.9	37.8	44.8	1.20	409	274.7	17.7	6.25	2862	3088	2776
9/29/25 0:00	6.20	276	23.4	5.85	17.3	42.7	39.8	44.8	1.19	408	266.5	17.7	6.27	2811	3000	2776
9/29/25 1:00	6.54	273	23.6	6.00	16.5	43.0	41.3	44.8	1.21	406	268.2	17.7	6.34	2802	2902	2776
9/29/25 2:00	6.25	271	23.6	5.17	16.2	39.9	42.2	44.8	1.22	404	260.5	17.7	6.30	2721	2825	2776
9/29/25 3:00	6.35	271	22.7	4.92	16.3	37.7	41.9	44.8	1.23	403	260.3	17.6	6.34	2692	2778	2776
9/29/25 4:00	6.33	270	23.2	4.89	16.3	38.4	40.2	44.8	1.24	402	256.7	17.6	6.35	2652	2738	2776
9/29/25 5:00	6.30	267	23.9	4.84	16.4	39.4	38.7	44.8	1.23	402	260.3	17.6	6.35	2677	2688	2775
9/29/25 6:00	6.01	265	24.4	5.51	16.3	42.5	38.5	44.8	1.22	402	257.9	17.7	6.29	2680	2674	2775
9/29/25 7:00	5.98	265	24.1	5.08	16.4	40.8	40.1	44.8	1.22	402	285.3	17.7	6.12	2947	2669	2775
9/29/25 8:00	6.01	276	20.0	5.17	15.9	33.6	40.9	44.8	1.16	379	387.5	18.0	5.52	4652	2768	2776
9/29/25 9:00	7.10	280	16.4	5.20	15.4	27.5	39.0	44.8	1.18	382	277.6	17.9	5.62	2983	3426	2776
9/29/25 10:00	6.55	272	19.9	4.92	16.4	33.2	34.0	44.8	1.17	393	240.0	17.9	5.76	2646	3527	2776
9/29/25 11:00	6.22	273	20.1	5.26	15.9	34.0	31.4	44.8	1.18	400	256.0	17.8	5.88	2759	3427	2776
9/29/25 12:00	6.39	270	19.6	5.89	16.1	35.1	31.5	44.8	1.20	399	373.1	17.8	5.90	4017	2796	2776
9/29/25 13:00	6.01	273	18.4	6.86	15.9	35.8	34.1	44.8	1.16	398	244.4	17.8	5.90	2632	3141	2776
9/29/25 14:00	6.50	275	18.6	6.05	16.5	34.1	35.0	44.8	1.17	401	229.0	17.8	5.90	2466	3136	2776
9/29/25 15:00	6.22	272	19.5	5.17	17.2	33.5	35.0	44.8	1.17	400	217.1	18.0	6.15	2637	3038	2776
9/29/25 16:00	6.06	269	21.9	4.84	17.3	36.7	34.5	44.8	1.17	404	682.8	17.8	6.47	7730	2578	2776
9/29/25 17:00	5.91	268	21.0	4.85	17.2	35.2	34.8	44.8	1.20	408	314.8	17.7	6.66	3514	4278	2776
9/29/25 18:00	5.93	267	20.7	5.57	17.3	36.9	35.1	44.8	1.20	411	285.5	17.7	6.70	3112	4627	2776
9/29/25 19:00	5.88	266	20.3	5.77	17.4	36.9	36.3	44.8	1.17	410	268.5	17.7	6.57	2961	4786	2776
9/29/25 20:00	5.89	268	19.3	5.01	17.1	32.7	36.3	44.8	1.18	411	266.3	17.7	6.48	2920	3196	2776
9/29/25 21:00	6.07	269	20.3	4.82	16.8	33.8	35.5	44.8	1.17	410	262.8	17.8	6.40	2896	2998	2776
9/29/25 22:00	6.15	269	21.0	5.27	17.0	36.3	34.5	44.8	1.17	409	264.4	17.7	6.42	2908	2926	2776
9/29/25 23:00	6.19	271	20.9	5.48	16.1	36.2	34.3	44.8	1.19	409	277.2	17.7	6.44	2953	2908	2776
9/30/25 0:00	6.45	269	22.8	5.76	16.4	40.6	35.4	44.8	1.21	410	277.3	17.6	6.51	2888	2919	2776
9/30/25 1:00	6.21	267	23.0	5.82	16.3	41.1	37.7	44.8	1.21	408	276.4	17.6	6.48	2868	2916	2776
9/30/25 2:00	6.13	266	22.6	5.00	16.4	37.7	39.3	44.8	1.23	407						

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 feed 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 # Fuel Gas	Boiler # Fuel Oil	Boiler # LPG	Boiler # LPG	LPG Vaporization Rate	Total Boilers Sulphur Emission	LPG Sulphur Content	LPG 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
7/1/2025 0:00	22.2	8.19	294	3.91	193	0.00	4.95	6.35	0.540	0.943	106.21	0.010	44.04	24.75	44.9	0.205
7/1/2025 1:00	20.5	8.11	290	3.99	193	0.00	5.11	5.80	0.540	0.943	71.11	0.010	34.79	34.79	44.9	0.287
7/1/2025 2:00	21.6	8.11	287	4.26	193	0.00	5.00	6.11	0.540	0.943	72.30	0.010	16.33	30.39	44.9	0.251
7/1/2025 3:00	20.9	8.18	291	4.23	193	-0.01	5.09	5.96	0.540	0.943	65.13	0.010	9.55	25.66	44.9	0.211
7/1/2025 4:00	20.6	8.18	292	4.19	192	-0.01	5.53	5.89	0.540	0.943	63.74	0.010	10.36	14.17	44.9	0.116
7/1/2025 5:00	20.6	8.16	290	4.16	193	-0.01	5.43	5.86	0.540	0.943	63.82	0.010	9.05	12.14	45.0	0.099
7/1/2025 6:00	21.0	8.15	292	4.13	193	0.00	5.20	5.98	0.540	0.943	72.30	0.010	20.68	9.65	45.0	0.079
7/1/2025 7:00	21.2	8.18	293	4.13	193	-0.01	5.48	6.05	0.540	0.943	75.62	0.010	20.43	13.96	45.0	0.109
7/1/2025 8:00	19.3	8.12	289	4.13	193	-0.01	5.70	5.47	0.540	0.943	44.13	0.010	4.23	16.72	45.0	0.136
7/1/2025 9:00	18.7	8.17	291	4.11	192	-0.01	5.98	5.34	0.540	0.943	38.04	0.010	2.37	15.11	45.0	0.123
7/1/2025 10:00	18.5	8.16	293	4.10	193	-0.01	6.04	5.26	0.540	0.943	34.40	0.010	0.89	9.01	45.0	0.073
7/1/2025 11:00	19.0	8.14	290	4.18	193	-0.01	6.00	5.39	0.540	0.943	36.42	0.010	1.87	2.50	45.0	0.020
7/1/2025 12:00	21.6	8.10	291	4.20	193	-0.01	6.06	6.10	0.540	0.943	74.58	0.010	19.39	1.71	45.0	0.074
7/1/2025 13:00	21.7	8.05	288	4.24	193	-0.01	6.84	6.09	0.540	0.943	72.02	0.010	15.41	7.36	45.0	0.060
7/1/2025 14:00	22.0	7.85	278	4.23	193	-0.01	7.47	6.04	0.540	0.943	71.52	0.010	14.80	12.19	45.0	0.099
7/1/2025 15:00	22.1	7.93	286	4.21	193	-0.01	6.31	6.13	0.540	0.943	76.60	0.010	17.39	16.54	45.0	0.136
7/1/2025 16:00	22.0	7.91	286	4.19	193	-0.01	6.01	6.08	0.540	0.943	74.99	0.010	18.85	15.90	45.0	0.130
7/1/2025 17:00	21.2	7.90	285	4.18	193	-0.01	6.19	5.83	0.540	0.943	61.98	0.010	11.43	17.05	45.0	0.141
7/1/2025 18:00	22.5	7.91	284	4.16	193	-0.01	5.92	5.40	0.540	0.943	85.78	0.010	27.77	15.88	45.0	0.173
7/1/2025 19:00	22.2	7.93	281	4.12	193	-0.01	5.45	5.86	0.540	0.943	68.08	0.010	19.32	19.35	44.9	0.160
7/1/2025 20:00	22.7	7.89	278	4.07	193	-0.01	5.68	6.24	0.540	0.943	93.31	0.010	31.76	18.56	44.9	0.152
7/1/2025 21:00	23.2	7.89	275	4.08	192	-0.01	5.61	6.39	0.540	0.943	101.52	0.010	39.43	25.33	44.9	0.208
7/1/2025 22:00	22.7	8.01	275	4.10	192	-0.01	4.86	6.34	0.540	0.943	97.33	0.010	35.91	29.22	44.9	0.240
7/1/2025 23:00	23.4	7.86	271	4.15	193	-0.01	5.16	6.41	0.540	0.943	99.11	0.010	36.91	35.70	44.9	0.293
7/2/2025 0:00	23.4	7.86	274	4.10	193	-0.01	4.95	6.43	0.540	0.943	103.49	0.010	41.31	37.42	44.9	0.301
7/2/2025 1:00	22.0	7.88	275	4.01	193	-0.01	4.83	6.05	0.540	0.943	86.59	0.010	26.99	38.04	45.0	0.312
7/2/2025 2:00	21.4	7.93	277	4.02	192	-0.01	4.72	5.93	0.540	0.943	78.61	0.010	19.70	35.07	45.0	0.288
7/2/2025 3:00	21.4	7.90	276	4.00	193	0.00	4.52	5.88	0.540	0.943	77.70	0.010	19.85	29.33	45.0	0.242
7/2/2025 4:00	21.3	7.86	271	4.00	193	-0.01	4.62	5.83	0.540	0.943	74.97	0.010	17.78	22.18	45.0	0.183
7/2/2025 5:00	21.3	7.86	265	3.93	192	0.00	2.33	5.69	0.540	0.943	79.89	0.010	16.83	19.11	45.0	0.158
7/2/2025 6:00	22.7	7.86	274	3.85	193	0.00	0.31	6.23	0.540	0.943	107.07	0.010	45.40	18.04	45.0	0.149
7/2/2025 7:00	18.5	7.86	273	3.85	192	0.00	0.07	5.06	0.540	0.943	39.91	0.010	1.02	26.55	45.0	0.219
7/2/2025 8:00	17.6	7.93	280	3.88	193	-0.01	-0.02	4.87	0.540	0.943	26.40	0.010	1.72	20.97	45.0	0.173
7/2/2025 9:00	17.5	7.88	280	3.94	193	-0.01	-0.01	4.81	0.540	0.943	19.62	0.010	0.437	20.55	44.9	0.132
7/2/2025 10:00	17.0	7.87	281	3.99	193	-0.01	-0.03	4.67	0.540	0.943	7.94	0.437	22.58	7.76	44.9	0.063
7/2/2025 11:00	18.8	7.76	275	4.08	193	-0.01	0.01	5.08	0.540	0.943	104.76	0.437	46.63	26.73	44.9	0.094
7/2/2025 12:00	20.5	7.77	274	4.16	193	-0.01	0.01	5.55	0.540	0.943	48.05	0.437	29.73	19.96	44.9	0.161
7/2/2025 13:00	20.4	7.75	275	4.14	193	-0.01	0.01	5.51	0.540	0.943	46.30	0.437	43.84	28.35	44.9	0.230
7/2/2025 14:00	20.2	7.72	275	4.17	193	-0.01	0.01	5.44	0.540	0.943	40.87	0.437	39.34	38.77	44.9	0.314
7/2/2025 15:00	20.8	7.72	275	4.20	193	-0.01	0.02	5.60	0.540	0.943	48.29	0.437	46.14	42.97	44.9	0.350
7/2/2025 16:00	20.8	7.66	270	4.22	193	-0.01	0.01	5.37	0.540	0.943	45.37	0.437	43.11	43.11	44.9	0.323
7/2/2025 17:00	20.6	7.78	266	4.18	193	-0.01	0.04	5.48	0.540	0.943	43.37	0.437	41.39	43.39	44.9	0.301
7/2/2025 18:00	22.3	7.65	266	4.11	193	-0.01	0.05	5.95	0.540	0.943	75.20	0.437	72.73	43.93	44.9	0.363
7/2/2025 19:00	21.5	7.67	268	4.12	193	-0.01	0.04	5.76	0.540	0.943	63.18	0.437	60.73	45.00	44.9	0.435
7/2/2025 20:00	21.7	7.80	271	4.07	193	-0.01	0.03	5.91	0.540	0.943	74.67	0.437	72.56	58.29	44.9	0.479
7/2/2025 21:00	21.9	7.94	281	4.00	193	-0.01	0.04	6.07	0.540	0.943	86.61	0.437	84.13	68.67	44.9	0.556
7/2/2025 22:00	21.7	7.69	261	3.93	193	0.00	0.05	6.15	0.540	0.943	95.13	0.437	93.65	66.37	44.9	0.585
7/2/2025 23:00	20.9	7.89	273	3.88	193	-0.01	0.04	5.75	0.540	0.943	77.31	0.437	74.82	83.11	44.8	0.673
7/3/2025 0:00	21.6	7.88	265	3.88	192	-0.01	0.05	5.94	0.540	0.943	89.66	0.437	87.29	83.87	44.7	0.678
7/3/2025 1:00	19.5	7.61	259	3.77	192	-0.01	0.04	5.18	0.540	0.943	53.91	0.437	52.12	84.92	44.7	0.688
7/3/2025 2:00	20.0	7.58	256	3.72	192	-0.01	0.05	5.29	0.540	0.943	63.47	0.437	61.66	71.41	44.6	0.577
7/3/2025 3:00	21.3	7.90	275	3.82	193	0.00	0.05	5.86	0.540	0.943	79.41	0.437	84.92	67.02	44.6	0.543
7/3/2025 4:00	21.2	7.69	261	3.83	193	0.00	0.05	6.05	0.540	0.943	76.89	0.437	76.89	69.83	44.8	0.536
7/3/2025 5:00	19.4	7.69	262	3.76	193	0.00	0.05	5.21	0.540	0.943	55.49	0.437	53.53	74.46	44.4	0.604
7/3/2025 6:00	22.1	7.66	262	3.75	192	0.00	0.05	5.92	0.540	0.943	98.03	0.437	95.55	71.75	44.4	0.583
7/3/2025 7:00	18.9	7.81	273	3.61	192	0.00	0.05	5.16	0.540	0.943	60.97	0.437	58.48	75.29	44.4	0.612
7/3/2025 8:00	16.7	7.91	282	3.61	193	0.00	0.03	4.66	0.540	0.943	28.11	0.437	29.04	69.19	44.4	0.563
7/3/2025 9:00	18.8	7.83	283	3.71	193	0.00	0.03	5.19	0.540	0.943	52.49	0.437	50.36	65.32	44.4	0.494
7/3/2025 10:00	16.9	8.04	295	3.44	193	-0.01	0.02	4.74	0.540	0.943	46.44	0.437	45.86	46.44	44.4	0.371
7/3/2025 11:00	16.8	7.98	293	3.42	193	-0.01	0.02	4.69	0.540	0.943	44.78	0.437	42.63	41.11	44.4	0.330
7/3/2025 12:00	17.0	7.96	299	3.37	193	-0.01	0.03	4.72	0.540	0.943	48.77	0.437	46.47	45.64	44.4	0.368
7/3/2025 13:00	16.4	7.96	300	3.27	193	-0.01	0.03	4.56	0.540	0.943	46.64	0.437	44.16	44.35	44.4	0.358
7/3/2025 14:00	17.5	8.00	302	3.36	193	-0.01	0.03	4.87	0.540	0.943	57.64	0.437	55.26	44.42	44.4	0.359
7/3/2025 15:00	17.0	8.12	312	3.34	193	-0.01	0.03	4.83	0.540	0.943	53.83	0.437	52.63	52.70	44.4	0.370
7/3/2025 16:00	17.0	8.12	311	3.30	193	-0.01	0.06	4.81	0.540	0.943	56.52	0.437	54.09	50.71	44.4	0.408
7/3/2025 17:00	17.5	8.11	311	3.24	193	-0.01	2.36	4.96	0.540	0.943	68.50	0.437	66.02	54.02	44.4	0.433
7/3/2025 18:00	18.6	8.08	315	3.19	193	-0.01	2.31	5.24	0.540	0.943	85.64	0.437	83.16	57.60	44.4	0.462
7/3/2025 19:00	18.5	8.02	316	3.18	193	-0.01	3.54	5.17	0.540	0.943	82.55	0.437	80.07	67.76	44.4	0.546
7/3/2025 20:00	18.8	8.01	306	3.15	196	-0.01	4.45	4.84	0.540	0.943	76.41	0.437	76.41	66.3		

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	Boiler # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
7/6/2025 10:00	19.4	7.24	237	3.48	188	-0.01	5.86	4.89	0.540	0.943	60.02	0.437	57.64	56.08	44.8	0.452
7/6/2025 11:00	20.0	7.26	240	3.42	188	-0.01	5.25	5.08	0.540	0.943	75.24	0.437	72.75	52.32	44.8	0.415
7/6/2025 12:00	21.8	7.30	241	3.44	188	-0.01	6.08	5.57	0.540	0.943	104.90	0.437	102.42	59.77	44.8	0.468
7/6/2025 13:00	21.9	7.44	250	3.55	188	-0.01	6.34	5.69	0.540	0.943	102.78	0.437	100.29	77.63	44.8	0.609
7/6/2025 14:00	21.2	7.46	253	3.55	188	-0.01	5.75	5.52	0.540	0.943	91.85	0.437	89.37	91.85	44.8	0.720
7/6/2025 15:00	21.3	7.48	256	3.55	188	-0.01	5.87	5.57	0.540	0.943	93.77	0.437	91.28	97.36	44.8	0.764
7/6/2025 16:00	21.3	7.15	235	3.62	188	-0.01	6.48	5.42	0.540	0.943	77.68	0.437	75.36	93.65	44.8	0.736
7/6/2025 17:00	21.4	7.2	242	3.56	188	-0.01	5.19	5.42	0.540	0.943	87.03	0.437	84.54	85.34	44.8	0.672
7/6/2025 18:00	22.1	7.15	237	3.57	188	-0.01	4.20	5.51	0.540	0.943	95.40	0.437	90.92	83.73	44.8	0.661
7/6/2025 19:00	20.5	7.16	236	3.49	188	-0.01	5.82	5.13	0.540	0.943	74.85	0.437	72.42	83.61	44.8	0.666
7/6/2025 20:00	20.8	7.18	236	3.45	188	-0.01	4.99	5.21	0.540	0.943	82.73	0.437	80.25	82.63	44.9	0.663
7/6/2025 21:00	21.0	7.34	244	3.43	188	-0.01	4.30	5.37	0.540	0.943	92.22	0.437	89.84	81.19	44.9	0.659
7/6/2025 22:00	20.3	7.48	254	3.42	188	-0.01	0.77	5.29	0.540	0.943	85.73	0.437	83.24	80.83	44.9	0.549
7/6/2025 23:00	20.7	7.77	261	3.31	188	-0.01	0.03	5.60	0.540	0.943	109.64	0.437	107.16	84.44	44.9	0.673
7/7/2025 0:00	23.1	7.58	253	3.32	188	-0.01	-0.03	6.10	0.526	0.941	147.67	0.437	145.18	93.41	44.9	0.730
7/7/2025 1:00	21.6	7.63	257	3.30	188	-0.01	-0.03	5.76	0.526	0.941	127.33	0.437	124.85	111.86	44.9	0.874
7/7/2025 2:00	21.4	7.50	249	3.32	188	-0.01	-0.03	5.61	0.526	0.941	118.54	0.437	116.06	125.73	44.9	0.983
7/7/2025 3:00	22.2	7.44	244	3.37	188	-0.01	-0.03	5.75	0.526	0.941	125.99	0.437	123.51	128.70	44.9	1.011
7/7/2025 4:00	21.6	7.50	244	3.38	188	-0.01	-0.03	5.66	0.526	0.941	120.37	0.437	117.89	121.47	45.0	0.959
7/7/2025 5:00	21.7	7.48	243	3.38	188	-0.01	4.29	5.69	0.526	0.941	122.98	0.437	120.50	119.15	45.0	0.954
7/7/2025 6:00	25.9	7.49	248	3.35	188	-0.01	1.48	6.77	0.526	0.941	189.01	0.437	186.52	120.63	45.0	0.972
7/7/2025 7:00	22.4	7.38	242	3.33	188	-0.01	6.01	5.78	0.526	0.941	132.22	0.437	129.74	141.63	45.0	1.146
7/7/2025 8:00	20.6	7.43	244	3.37	188	-0.01	10.92	5.35	0.526	0.941	103.95	0.437	101.46	145.59	45.0	1.160
7/7/2025 9:00	20.5	7.55	250	3.35	188	-0.01	12.35	5.41	0.526	0.941	107.51	0.437	105.03	139.24	45.0	1.105
7/7/2025 10:00	20.5	7.45	245	3.36	188	-0.01	11.80	5.34	0.526	0.941	99.40	0.437	97.13	112.08	45.0	0.883
7/7/2025 11:00	20.2	7.71	264	3.37	188	-0.01	8.15	5.44	0.526	0.941	104.21	0.437	101.73	102.75	45.1	0.812
7/7/2025 12:00	21.9	7.81	272	3.36	188	-0.01	4.18	5.96	0.526	0.941	132.65	0.437	130.16	102.84	45.1	0.809
7/7/2025 13:00	20.9	7.70	264	3.36	188	-0.01	3.74	5.60	0.526	0.941	113.26	0.437	110.78	111.21	45.1	0.872
7/7/2025 14:00	21.2	7.40	246	3.36	188	-0.01	6.10	5.48	0.526	0.941	110.17	0.437	107.69	114.22	45.1	0.894
7/7/2025 15:00	19.8	7.34	243	3.38	188	-0.01	6.90	5.09	0.526	0.941	99.80	0.437	97.31	101.75	45.1	0.911
7/7/2025 16:00	20.6	7.43	250	3.40	188	-0.01	0.76	5.35	0.526	0.941	98.00	0.437	95.52	100.53	45.1	0.783
7/7/2025 17:00	19.6	7.41	249	3.38	188	-0.01	0.10	5.07	0.526	0.941	82.46	0.437	79.98	95.44	45.1	0.742
7/7/2025 18:00	20.7	7.47	255	3.31	188	-0.01	0.00	5.39	0.526	0.941	104.80	0.437	102.31	86.20	45.1	0.668
7/7/2025 19:00	20.2	7.56	259	3.29	188	-0.01	-0.02	5.31	0.526	0.941	100.42	0.437	97.94	92.60	45.1	0.719
7/7/2025 20:00	20.0	7.54	258	3.22	188	-0.01	-0.02	5.26	0.526	0.941	102.83	0.437	100.34	93.41	45.2	0.734
7/7/2025 21:00	19.9	7.57	257	3.21	188	-0.01	-0.03	5.12	0.526	0.941	98.13	0.437	95.65	90.28	45.2	0.788
7/7/2025 22:00	20.5	7.53	257	3.15	188	-0.01	-0.03	5.39	0.526	0.941	112.48	0.437	110.00	98.98	45.2	0.803
7/7/2025 23:00	20.2	7.48	255	3.09	188	-0.01	-0.03	5.27	0.526	0.941	112.61	0.437	110.13	103.83	45.2	0.849
7/8/2025 0:00	21.2	7.60	260	3.13	188	-0.01	-0.03	5.62	0.526	0.941	128.71	0.437	126.23	107.09	45.2	0.881
7/8/2025 1:00	19.4	7.68	266	3.10	188	-0.01	-0.03	5.20	0.526	0.941	105.21	0.437	102.73	116.28	45.2	0.958
7/8/2025 2:00	18.9	7.60	260	3.09	188	-0.01	-0.03	5.00	0.526	0.941	94.03	0.437	91.55	113.03	45.2	0.930
7/8/2025 3:00	18.2	7.53	258	3.09	188	-0.01	-0.03	4.79	0.526	0.941	82.52	0.437	80.04	107.10	45.2	0.887
7/8/2025 4:00	19.0	7.82	275	3.03	188	-0.01	-0.03	5.18	0.526	0.941	105.80	0.437	103.32	91.70	45.3	0.760
7/8/2025 5:00	20.2	7.90	282	2.98	188	-0.01	-0.03	5.58	0.526	0.941	129.88	0.437	127.39	91.90	45.3	0.764
7/8/2025 6:00	22.4	7.85	280	2.94	188	0.00	-0.03	6.15	0.526	0.941	165.47	0.437	162.99	103.58	45.3	0.852
7/8/2025 7:00	17.8	7.58	262	2.96	188	-0.01	-0.03	4.71	0.526	0.941	85.86	0.437	83.37	131.23	45.3	1.068
7/8/2025 8:00	17.1	7.58	262	2.97	188	-0.01	1.62	4.96	0.526	0.941	85.86	0.437	83.37	131.23	45.3	1.068
7/8/2025 9:00	17.0	7.59	261	3.13	188	0.00	-0.03	4.51	0.526	0.941	63.18	0.437	60.69	105.86	45.3	0.864
7/8/2025 10:00	16.8	7.61	261	3.35	188	-0.01	-0.03	4.46	0.526	0.941	46.27	0.437	44.12	71.76	45.3	0.593
7/8/2025 11:00	17.5	7.54	256	3.34	188	-0.01	-0.03	4.60	0.526	0.941	55.51	0.437	53.31	58.68	45.3	0.489
7/8/2025 12:00	19.4	7.55	257	3.30	188	-0.01	-0.02	5.12	0.526	0.941	88.37	0.437	85.89	52.71	45.3	0.440
7/8/2025 13:00	16.9	7.42	248	3.28	188	-0.01	0.44	4.38	0.526	0.941	46.44	0.437	44.94	61.11	45.3	0.500
7/8/2025 14:00	16.4	7.46	249	3.28	188	-0.01	1.62	4.24	0.526	0.941	29.76	0.437	28.86	39.38	45.3	0.510
7/8/2025 15:00	16.3	7.45	249	3.24	188	-0.01	3.55	4.24	0.526	0.941	41.05	0.437	39.56	56.56	45.3	0.469
7/8/2025 16:00	15.5	7.47	249	3.26	188	-0.01	4.81	4.04	0.526	0.941	27.62	0.437	27.08	40.79	45.3	0.337
7/8/2025 17:00	15.4	7.48	251	3.25	188	-0.01	5.89	4.01	0.526	0.941	26.68	0.437	27.83	34.83	45.3	0.288
7/8/2025 18:00	17.4	7.57	255	3.22	188	-0.01	3.18	4.60	0.526	0.941	63.73	0.437	61.58	31.16	45.4	0.257
7/8/2025 19:00	16.3	7.47	249	3.22	188	-0.01	4.53	4.00	0.526	0.941	34.63	0.437	33.12	30.21	45.4	0.240
7/8/2025 20:00	15.2	7.46	252	3.17	188	-0.01	4.50	3.86	0.526	0.941	28.47	0.437	29.78	43.17	45.4	0.357
7/8/2025 21:00	14.2	7.60	275	3.17	188	-0.01	4.31	3.77	0.526	0.941	16.25	0.437	19.68	44.42	45.4	0.359
7/8/2025 22:00	13.6	7.79	289	3.10	188	-0.01	4.48	3.68	0.526	0.941	9.08	0.437	15.12	30.46	45.4	0.248
7/8/2025 23:00	13.9	7.88	285	3.10	188	-0.01	4.31	3.82	0.526	0.941	22.95	0.437	24.15	21.53	45.4	0.178
7/9/2025 0:00	15.4	8.04	297	3.22	188	-0.01	4.41	4.33	0.526	0.941	33.60	0.437	41.49	19.65	45.4	0.165
7/9/2025 1:00	14.8	8.18	295	3.19	188	-0.01	4.91	4.10	0.526	0.941	32.77	0.437	31.62	20.02	45.4	0.265
7/9/2025 2:00	14.6	7.90	291	3.12	188	0.00	4.55	4.02	0.526	0.941	32.88	0.437	32.46	32.45	45.4	0.271
7/9/2025 3:00	15.2	7.66	276	3.11	188	0.00	4.04	4.06	0.526	0.941	36.19	0.437	34.96	35.08	45.4	0.291
7/9/2025 4:00	15.6	7.41	258	3.21	188	-0.01	3.85	4.03	0.526	0.941	29.74	0.437	28.32	32.91	45.4	0.272
7/9/2025 5:00	15.6	7.37	257	3.23	188	0.00	3.88	4.00	0.526	0.941	26.80	0.437	27.36	31.78	45.4	0.262
7/9/2025 6:00	16.3	7.51	264	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 feed 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
7/11/2025 20:00	21.5	7.47	257	3.89	188	-0.01	0.10	5.61	0.526	0.941	79.64	1.900	55.93	50.10	44.9	0.407
7/11/2025 21:00	20.8	7.34	247	3.86	188	-0.01	0.10	5.34	0.526	0.941	66.16	1.900	43.97	58.10	44.9	0.472
7/11/2025 22:00	21.3	7.72	253	3.87	188	-0.01	0.10	5.76	0.526	0.941	89.81	1.900	66.02	48.86	44.9	0.405
7/11/2025 23:00	21.0	7.59	255	3.88	186	-0.01	0.09	5.56	0.526	0.941	78.00	1.900	54.49	55.31	44.9	0.449
7/12/2025 0:00	21.7	7.42	255	3.80	184	-0.01	0.08	5.62	0.526	0.941	87.39	1.900	63.42	54.83	44.9	0.445
7/12/2025 1:00	20.7	7.46	260	3.77	183	-0.01	0.07	5.38	0.526	0.941	73.49	1.900	50.70	61.31	44.9	0.499
7/12/2025 2:00	20.6	7.48	261	3.76	183	-0.01	0.07	5.39	0.526	0.941	74.67	1.900	51.26	56.20	44.9	0.458
7/12/2025 3:00	21.1	7.36	253	3.77	183	-0.01	0.06	5.42	0.526	0.941	77.47	1.900	53.61	52.13	44.9	0.450
7/12/2025 4:00	21.5	7.48	260	3.71	183	-0.01	0.06	5.62	0.526	0.941	91.99	1.900	68.02	53.86	44.9	0.424
7/12/2025 5:00	20.8	7.52	262	3.68	183	-0.01	0.06	5.47	0.526	0.941	84.76	1.900	61.26	57.63	44.9	0.472
7/12/2025 6:00	22.6	7.63	269	3.67	183	-0.01	0.06	6.01	0.526	0.941	116.34	1.900	92.36	60.96	44.9	0.500
7/12/2025 7:00	20.7	7.48	258	3.72	183	-0.01	0.04	5.41	0.526	0.941	79.68	1.900	59.28	73.88	44.9	0.606
7/12/2025 8:00	17.6	7.34	251	3.71	184	-0.01	0.02	4.51	0.526	0.941	25.95	1.900	11.32	70.97	44.9	0.582
7/12/2025 9:00	17.8	7.31	250	3.69	183	-0.01	0.02	4.55	0.526	0.941	30.02	1.900	14.69	54.32	44.9	0.444
7/12/2025 10:00	19.2	7.51	264	3.68	183	-0.01	0.05	5.01	0.526	0.941	58.19	1.900	34.92	28.40	44.9	0.231
7/12/2025 11:00	18.3	7.34	253	3.65	183	-0.01	0.05	4.68	0.526	0.941	40.07	1.900	21.61	20.28	44.9	0.164
7/12/2025 12:00	19.8	7.64	275	3.71	183	-0.01	0.05	5.27	0.526	0.941	68.44	1.900	44.79	23.71	44.9	0.191
7/12/2025 13:00	18.7	7.63	273	3.74	183	-0.01	0.06	4.97	0.526	0.941	49.84	1.900	28.37	33.78	44.9	0.272
7/12/2025 14:00	19.3	7.63	273	3.72	183	-0.01	0.07	5.13	0.526	0.941	60.39	1.900	37.59	31.59	44.9	0.215
7/12/2025 15:00	20.1	7.33	256	3.71	183	-0.01	0.07	5.13	0.526	0.941	63.36	1.900	40.51	37.02	44.9	0.298
7/12/2025 16:00	19.6	7.31	256	3.71	184	-0.01	0.09	5.01	0.526	0.941	56.01	1.900	34.35	35.59	44.9	0.287
7/12/2025 17:00	19.8	7.31	254	3.72	183	-0.01	0.11	5.04	0.526	0.941	57.43	1.900	35.70	37.59	44.9	0.304
7/12/2025 18:00	20.8	7.34	257	3.70	183	-0.01	0.12	5.33	0.526	0.941	75.86	1.900	52.63	36.86	45.0	0.298
7/12/2025 19:00	20.3	7.36	258	3.70	183	-0.01	0.11	5.23	0.526	0.941	69.73	1.900	46.93	40.90	45.0	0.330
7/12/2025 20:00	19.0	7.42	260	3.73	184	-0.01	0.10	4.92	0.526	0.941	48.84	1.900	28.59	45.86	45.0	0.362
7/12/2025 21:00	19.6	7.35	255	3.72	183	-0.01	0.09	5.04	0.526	0.941	57.09	1.900	34.90	42.71	45.0	0.343
7/12/2025 22:00	20.6	7.37	248	3.67	183	-0.01	0.09	5.31	0.526	0.941	78.21	1.900	54.87	36.81	45.0	0.296
7/12/2025 23:00	20.4	7.38	250	3.65	183	-0.01	0.10	5.25	0.526	0.941	75.47	1.900	52.42	39.45	45.0	0.318
7/13/2025 0:00	20.9	7.01	235	3.66	183	-0.01	0.09	5.09	0.526	0.941	67.71	1.900	45.65	47.40	44.9	0.383
7/13/2025 1:00	21.4	7.08	238	3.67	183	-0.01	0.07	4.90	0.526	0.941	77.47	1.900	54.32	50.98	44.9	0.414
7/13/2025 2:00	22.0	7.25	248	3.65	183	-0.01	0.06	5.53	0.526	0.941	94.72	1.900	70.74	50.98	44.9	0.414
7/13/2025 3:00	21.9	7.36	254	3.65	183	-0.01	0.06	5.61	0.526	0.941	96.85	1.900	72.88	56.91	44.9	0.465
7/13/2025 4:00	22.1	7.15	241	3.63	183	-0.01	0.06	5.51	0.526	0.941	94.94	1.900	70.96	65.98	44.9	0.540
7/13/2025 5:00	21.5	7.42	258	3.59	183	-0.01	0.07	5.58	0.526	0.941	98.21	1.900	74.23	71.53	44.9	0.584
7/13/2025 6:00	22.1	7.68	276	3.59	183	-0.01	0.07	5.93	0.526	0.941	114.90	1.900	90.92	72.69	44.9	0.593
7/13/2025 7:00	18.5	8.01	286	3.58	176	-0.01	0.04	5.24	0.526	0.941	78.29	1.900	56.88	78.71	44.9	0.643
7/13/2025 8:00	15.8	8.20	308	3.54	146	-0.01	0.04	4.52	0.526	0.941	36.75	1.900	20.00	74.01	44.9	0.605
7/13/2025 9:00	17.9	10.57	427	6.12	70	-0.01	0.05	6.67	0.526	0.941	-3.35	1.900	9.82	56.03	44.9	0.457
7/13/2025 10:00	24.3	9.45	434	8.14	0	-0.01	0.07	7.92	0.526	0.941	-63.85	1.900	0.00	29.00	44.9	0.236
7/13/2025 11:00	25.0	9.12	433	8.12	0	-0.01	0.03	7.96	0.526	0.941	-60.22	1.900	0.00	10.04	44.9	0.082
7/13/2025 12:00	26.7	9.01	442	8.15	0	-0.01	0.03	8.56	0.526	0.941	-54.03	1.900	0.00	3.27	44.9	0.071
7/13/2025 13:00	24.4	10.02	436	8.13	0	-0.01	0.07	8.54	0.526	0.941	-25.13	1.900	1.08	1.81	44.9	0.015
7/13/2025 14:00	25.1	9.94	435	8.13	0	-0.01	0.06	8.70	0.526	0.941	-15.21	1.900	1.91	2.17	44.9	0.018
7/13/2025 15:00	26.1	9.89	433	8.27	0	-0.01	0.07	9.01	0.526	0.941	-5.75	1.900	2.81	2.81	44.9	0.023
7/13/2025 16:00	26.2	9.82	432	8.29	0	-0.01	0.08	8.98	0.526	0.941	-9.60	1.900	5.80	2.68	44.9	0.022
7/13/2025 17:00	26.6	9.19	434	8.32	0	-0.01	1.16	8.53	0.526	0.941	-39.00	1.900	0.00	4.25	44.9	0.035
7/13/2025 18:00	25.7	9.02	430	8.46	0	-0.01	0.07	8.70	0.526	0.941	-10.62	1.900	0.00	4.62	44.9	0.030
7/13/2025 19:00	25.6	9.11	433	8.46	0	-0.01	1.54	8.13	0.526	0.941	-73.02	1.900	0.00	1.93	44.8	0.016
7/13/2025 20:00	27.1	8.99	429	8.51	0	-0.01	0.02	8.52	0.526	0.941	-53.08	1.900	1.05	0.00	44.8	0.000
7/13/2025 21:00	27.6	9.16	438	8.53	0	-0.01	-0.02	8.84	0.526	0.941	-33.44	1.900	0.51	0.35	44.8	0.003
7/13/2025 22:00	27.2	9.32	444	8.48	0	-0.01	-0.03	8.83	0.526	0.941	-30.41	1.900	0.38	0.52	44.8	0.004
7/13/2025 23:00	27.0	9.45	447	8.50	0	-0.01	-0.03	8.90	0.526	0.941	-27.50	1.900	0.65	0.65	44.8	0.005
7/14/2025 0:00	29.7	9.39	454	8.49	0	-0.01	-0.03	9.08	0.526	0.941	-15.43	1.900	1.20	0.80	44.7	0.007
7/14/2025 1:00	29.0	9.27	449	8.40	0	-0.01	-0.03	9.38	0.526	0.941	8.40	1.900	6.68	0.67	44.7	0.006
7/14/2025 2:00	26.1	9.76	463	8.35	0	-0.01	-0.03	8.89	0.526	0.941	-18.65	1.900	7.42	2.86	44.7	0.023
7/14/2025 3:00	26.6	9.76	472	8.31	0	-0.01	-0.03	9.06	0.526	0.941	-5.56	1.900	3.65	5.23	44.7	0.043
7/14/2025 4:00	25.3	9.73	471	8.37	0	-0.01	-0.03	8.58	0.526	0.941	-35.71	1.900	0.00	5.92	44.7	0.048
7/14/2025 5:00	26.3	9.53	474	8.33	0	-0.01	-0.03	8.70	0.526	0.941	-33.01	1.900	1.35	3.69	44.7	0.030
7/14/2025 6:00	29.6	9.33	462	8.50	0	-0.01	0.74	9.63	0.526	0.941	15.84	1.900	11.27	1.87	44.7	0.014
7/14/2025 7:00	29.3	9.18	450	8.38	0	-0.01	0.08	9.38	0.526	0.941	8.90	1.900	9.12	4.21	44.7	0.035
7/14/2025 8:00	30.2	9.31	452	8.53	0	-0.01	0.29	9.82	0.526	0.941	25.03	1.900	14.34	7.25	44.7	0.062
7/14/2025 9:00	31.7	9.18	444	8.58	0	-0.01	4.34	10.14	0.526	0.941	0.00	0.400	23.64	11.58	44.7	0.099
7/14/2025 10:00	30.5	9.26	447	8.60	0	-0.01	4.13	9.87	0.526	0.941	24.08	0.400	14.56	15.70	44.7	0.133
7/14/2025 11:00	32.5	9.28	450	8.78	0	-0.01	6.69	10.54	0.526	0.941	52.12	0.400	32.12	15.51	44.7	0.380
7/14/2025 12:00	34.8	9.27	450	8.90	0	-0.01	6.94	11.27	0.526	0.941	87.84	0.400	60.54	22.85	44.7	0.192
7/14/2025 13:00	37.1	8.47	448	8.99	0	-0.01	6.38	10.97	0.526	0.941	64.89	0.400	39.38	35.15	44.7	0.296
7/14/2025 14:00	36.3	8.50	452	8.94	0	-0.01	6.06	10.75	0.526	0.941	54.53	0.400	31.80	43.43	44.7	0.365
7/14/2025 15:00	35.1	8.51	451	8.94	0	-0.01	6.34	10.41	0.526	0.941	34.25	0.400	16.54	43.91	44.7	0.369
7/14/2025 16:00	36.8	8.63	459	8.90	0	-0.01	6.06	10.25	0.526	0.941	26.14	0.400	11.75	29.24	44.7	0.417
7/14/2025																

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
7/17/2025 6:00	34.1	9.28	428	11.03	0	-0.01	-0.03	11.03	0.526	0.941	-68.92	0.400	0.66	0.27	43.9	0.002
7/17/2025 7:00	35.8	9.42	438	10.95	0	-0.01	-0.03	11.79	0.526	0.941	-16.33	0.400	0.49	0.49	43.9	0.004
7/17/2025 8:00	36.1	9.56	444	11.13	0	-0.01	-0.03	12.03	0.526	0.941	-14.04	0.400	1.51	43.9	0.013	0.013
7/17/2025 9:00	36.8	9.63	449	11.36	0	-0.01	-0.03	12.37	0.526	0.941	-8.46	0.400	2.72	2.79	43.9	0.024
7/17/2025 10:00	34.1	9.80	458	11.34	0	-0.01	-0.03	11.66	0.526	0.941	-48.11	0.400	0.48	3.47	43.9	0.029
7/17/2025 11:00	34.2	9.80	456	11.29	0	-0.01	-0.03	11.69	0.526	0.941	-43.66	0.400	1.22	2.51	43.9	0.021
7/17/2025 12:00	35.7	9.69	450	11.28	0	-0.01	-0.03	12.06	0.526	0.941	-21.38	0.400	2.67	1.47	43.9	0.013
7/17/2025 13:00	36.5	9.37	454	11.27	0	-0.01	-0.03	11.93	0.526	0.941	-29.31	0.400	0.93	1.46	43.8	0.013
7/17/2025 14:00	37.4	9.28	428	11.31	0	-0.01	-0.03	12.12	0.526	0.941	-20.99	0.400	2.26	1.81	43.9	0.014
7/17/2025 15:00	36.7	9.41	436	11.29	0	-0.01	-0.02	12.05	0.526	0.941	-23.65	0.400	1.94	1.95	43.8	0.017
7/17/2025 16:00	36.9	9.51	441	11.15	0	-0.01	-0.02	12.24	0.526	0.941	-2.58	0.400	6.06	1.71	43.8	0.015
7/17/2025 17:00	37.1	9.43	437	11.12	0	-0.01	-0.02	12.19	0.526	0.941	-2.98	0.400	4.03	3.42	43.8	0.030
7/17/2025 18:00	37.7	9.54	444	10.96	0	-0.01	-0.02	12.53	0.526	0.941	27.62	0.400	17.07	4.01	43.8	0.058
7/17/2025 19:00	37.3	9.59	448	10.92	0	-0.01	-0.03	12.47	0.526	0.941	26.55	0.400	14.70	9.04	43.8	0.078
7/17/2025 20:00	38.3	9.43	439	10.87	0	-0.01	-0.03	12.61	0.526	0.941	39.16	0.400	23.11	11.94	43.8	0.102
7/17/2025 21:00	36.6	9.67	446	10.66	0	0.00	-0.03	12.36	0.526	0.941	36.96	0.400	21.55	18.29	43.8	0.154
7/17/2025 22:00	36.6	9.54	443	10.52	0	0.00	-0.05	12.17	0.526	0.941	35.33	0.400	18.75	19.79	43.8	0.165
7/17/2025 23:00	35.6	9.69	450	10.55	0	0.00	-0.06	12.04	0.526	0.941	25.35	0.400	14.02	21.13	43.8	0.175
7/18/2025 0:00	37.2	9.48	438	10.56	0	0.00	-0.05	12.30	0.526	0.941	40.54	0.400	21.46	18.10	43.9	0.150
7/18/2025 1:00	35.3	9.92	463	10.71	0	0.00	-0.05	12.22	0.526	0.941	24.71	0.400	10.53	18.08	43.9	0.150
7/18/2025 2:00	35.5	9.89	461	10.71	0	0.00	-0.05	12.24	0.526	0.941	26.24	0.400	13.40	15.34	43.9	0.127
7/18/2025 3:00	36.2	9.86	456	10.81	0	0.00	-0.05	12.46	0.526	0.941	32.20	0.400	14.75	15.13	43.9	0.126
7/18/2025 4:00	38.4	9.45	435	10.76	0	0.00	-0.05	12.65	0.526	0.941	49.64	0.400	29.10	12.89	43.9	0.107
7/18/2025 5:00	38.4	9.44	433	10.74	0	0.00	-0.05	12.65	0.526	0.941	50.43	0.400	28.68	19.08	43.9	0.158
7/18/2025 6:00	40.0	9.36	426	10.86	0	0.00	-0.05	13.07	0.526	0.941	69.03	0.400	44.03	24.18	43.9	0.201
7/18/2025 7:00	36.9	9.25	422	10.73	0	0.00	-0.06	11.89	0.526	0.941	5.05	0.400	7.89	33.93	43.9	0.281
7/18/2025 8:00	35.0	9.20	419	10.68	0	0.00	-0.04	11.22	0.526	0.941	-34.87	0.400	2.17	26.86	43.9	0.221
7/18/2025 9:00	35.6	9.05	412	10.73	0	0.00	-0.03	11.24	0.526	0.941	-37.30	0.400	1.85	18.02	43.9	0.148
7/18/2025 10:00	35.9	9.15	416	10.88	0	0.00	-0.03	11.46	0.526	0.941	-33.60	0.400	0.95	3.97	43.9	0.032
7/18/2025 11:00	36.5	9.37	412	10.92	0	0.00	-0.03	11.56	0.526	0.941	-29.91	0.400	0.90	3.66	43.9	0.014
7/18/2025 12:00	36.5	8.97	405	10.89	0	0.00	-0.03	11.41	0.526	0.941	-38.34	0.400	0.40	2.37	43.9	0.010
7/18/2025 13:00	35.0	9.05	409	10.91	0	0.00	-0.03	11.04	0.526	0.941	-63.50	0.060	0.05	1.41	43.9	0.012
7/18/2025 14:00	29.1	12.26	411	10.85	0	-0.01	-0.03	12.28	0.526	0.941	21.40	0.060	50.06	1.11	43.9	0.009
7/18/2025 15:00	31.4	10.90	411	10.75	0	-0.01	-0.03	11.93	0.526	0.941	6.24	0.060	26.47	17.49	43.9	0.143
7/18/2025 16:00	31.8	10.48	406	10.76	0	-0.01	-0.03	11.57	0.526	0.941	-17.81	0.060	17.98	25.52	43.9	0.208
7/18/2025 17:00	31.0	10.47	404	10.77	0	-0.01	-0.03	11.77	0.526	0.941	-45.78	0.060	10.94	19.08	43.9	0.257
7/18/2025 18:00	32.1	9.72	389	10.76	0	0.00	-0.01	10.90	0.526	0.941	-65.78	0.060	4.66	18.16	43.9	0.148
7/18/2025 19:00	30.1	10.13	404	10.80	0	0.00	-0.02	10.62	0.526	0.941	-83.59	0.060	0.10	10.90	43.9	0.089
7/18/2025 20:00	28.9	10.28	413	10.79	1	0.00	-0.03	10.35	0.526	0.941	-98.58	0.060	0.00	4.94	43.9	0.040
7/18/2025 21:00	27.0	10.15	409	10.15	1	0.00	-0.03	9.58	0.526	0.941	-104.19	0.060	1.35	1.59	43.9	0.013
7/18/2025 22:00	28.3	10.36	438	7.91	0	0.00	-0.03	7.91	0.526	0.941	-100.00	0.060	0.48	0.48	43.9	0.004
7/18/2025 23:00	15.4	10.50	455	6.69	2	0.00	-0.04	5.63	0.526	0.941	-101.49	0.060	0.08	0.08	43.9	0.004
7/19/2025 0:00	12.7	10.36	452	5.88	29	0.00	-0.04	4.59	0.526	0.941	-104.17	0.060	0.00	0.48	43.9	0.004
7/19/2025 1:00	14.1	9.00	364	5.72	92	0.00	-0.04	4.39	0.526	0.941	-111.38	0.060	0.02	0.03	43.9	0.000
7/19/2025 2:00	17.3	8.58	261	5.72	173	0.00	-0.05	5.15	0.526	0.941	-71.11	0.060	0.49	0.03	43.9	0.000
7/19/2025 3:00	14.2	7.46	237	4.37	183	0.00	-0.06	3.69	0.526	0.941	-71.32	0.060	0.41	0.17	43.9	0.001
7/19/2025 4:00	16.2	7.46	251	3.84	183	0.00	-0.03	3.18	0.526	0.941	-71.32	0.060	0.13	0.13	43.9	0.002
7/19/2025 5:00	10.4	7.64	261	3.80	183	0.00	-0.05	2.78	0.526	0.941	-84.24	0.060	0.00	0.34	43.9	0.003
7/19/2025 6:00	11.1	7.53	253	3.80	184	0.00	-0.05	2.92	0.526	0.941	-76.88	0.060	0.00	0.18	43.9	0.001
7/19/2025 7:00	15.2	7.48	256	3.72	185	0.00	-0.05	3.95	0.526	0.941	-8.89	0.060	17.41	0.04	43.9	0.000
7/19/2025 8:00	13.6	8.00	293	3.33	193	0.00	-0.04	3.79	0.526	0.941	6.52	0.060	18.54	5.80	43.9	0.047
7/19/2025 9:00	14.6	8.06	301	3.33	203	0.00	-0.03	4.10	0.526	0.941	73.02	0.060	31.35	11.98	43.9	0.098
7/19/2025 10:00	19.6	8.04	293	3.39	213	0.00	-0.03	4.11	0.526	0.941	19.32	0.060	29.41	19.32	43.9	0.186
7/19/2025 11:00	14.6	8.41	293	3.59	229	0.00	-0.02	4.29	0.526	0.941	17.02	0.060	26.43	26.43	43.9	0.221
7/19/2025 12:00	16.6	8.59	298	4.01	229	0.00	-0.03	4.96	0.526	0.941	27.40	0.060	34.42	29.00	43.9	0.243
7/19/2025 13:00	16.3	8.66	294	4.27	233	0.00	-0.02	4.93	0.526	0.941	11.47	0.060	21.44	30.02	43.9	0.254
7/19/2025 14:00	15.9	8.69	290	4.37	234	-0.01	-0.02	4.81	0.526	0.941	-0.27	0.060	12.95	27.37	43.9	0.230
7/19/2025 15:00	16.3	8.68	286	4.45	234	-0.01	-0.02	4.81	0.526	0.941	4.90	0.060	9.18	22.94	43.9	0.118
7/19/2025 16:00	16.3	8.65	285	4.45	234	-0.01	-0.02	4.83	0.526	0.941	1.21	0.060	14.06	14.06	43.9	0.117
7/19/2025 17:00	14.9	8.71	289	3.97	234	-0.01	-0.02	4.53	0.526	0.941	8.16	0.060	18.94	12.06	43.9	0.096
7/19/2025 18:00	15.1	8.70	287	3.93	234	-0.01	-0.02	4.58	0.526	0.941	12.48	0.060	21.15	14.06	43.9	0.112
7/19/2025 19:00	14.3	8.70	287	3.51	230	-0.01	1.42	4.34	0.526	0.941	1.77	0.060	14.68	18.05	43.9	0.144
7/19/2025 20:00	12.6	8.77	296	3.53	229	-0.01	2.27	3.85	0.526	0.941	-2.06	0.060	12.59	18.26	43.9	0.146
7/19/2025 21:00	11.4	8.84	298	3.34	229	-0.01	2.00	3.51	0.526	0.941	-8.39	0.060	8.34	12.14	43.9	0.120
7/19/2025 22:00	12.2	9.00	300	3.46	228	0.00	1.99	3.83	0.526	0.941	1.04	0.060	15.59	11.50	43.9	0.092
7/19/2025 23:00	12.7	8.69	295	3.71	222	-0.01	1.86	3.84	0.526	0.941	-12.63	0.060	8.63	11.81	43.9	0.095
7/20/2025 0:00	15.2	8.59	296	3.73	220	-0.01	2.45	4.56	0.526	0.941	23.29	0.060	33.97	10.49	43.9	0.084
7/20/2025 1:00	16.2	8.56	294	3.96	220	-0.01	2.95	4.85	0.526	0.941	25.15	0.060	32.36	19.39	43.9	0.155
7/20/2025 2:00	18.6	8.54	295	3.78	220	-0.01	2.78	4.67	0.526	0.941	26.90	0.060	34.98	24.98	43	

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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # 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
7/22/2025 16:00	36.4	8.31	351	3.79	113	3.96	4.60	10.55	0.523	0.942	93.97	0.060	100.23	103.27	44.5	0.862
7/22/2025 17:00	36.2	8.33	351	3.75	113	3.98	5.63	10.51	0.523	0.942	93.08	0.060	99.34	101.21	44.5	0.843
7/22/2025 18:00	38.2	8.32	353	3.75	113	3.96	0.52	11.09	0.523	0.942	126.32	0.060	132.58	138.54	44.5	0.819
7/22/2025 19:00	37.0	8.29	359	3.73	113	3.95	0.02	10.72	0.523	0.942	105.24	0.060	111.50	110.72	44.5	0.914
7/22/2025 20:00	36.2	8.26	359	3.74	113	3.95	-0.03	10.44	0.523	0.942	88.97	0.060	95.24	114.48	44.5	0.949
7/22/2025 21:00	34.8	8.26	357	3.77	114	3.92	-0.03	10.03	0.523	0.942	66.33	0.060	72.75	113.11	44.5	0.942
7/22/2025 22:00	34.8	8.19	350	3.53	112	4.11	-0.04	9.96	0.523	0.942	65.15	0.060	71.58	93.16	44.5	0.781
7/22/2025 23:00	33.8	8.28	346	3.34	111	4.20	-0.04	9.81	0.523	0.942	62.83	0.060	69.51	79.86	44.5	0.670
7/23/2025 0:00	34.3	8.21	340	3.28	110	4.27	-0.03	9.84	0.523	0.942	64.93	0.060	71.20	71.20	44.5	0.594
7/23/2025 1:00	34.1	8.06	340	3.31	110	4.25	-0.03	9.58	0.523	0.942	48.65	0.060	54.91	70.76	44.5	0.585
7/23/2025 2:00	35.0	8.06	337	3.61	110	4.29	-0.03	9.83	0.523	0.942	42.15	0.060	49.21	65.21	44.5	0.535
7/23/2025 3:00	34.8	8.10	340	3.60	110	4.29	-0.03	9.84	0.523	0.942	42.31	0.060	49.14	58.44	44.5	0.479
7/23/2025 4:00	33.0	8.15	346	3.10	110	4.32	-0.03	9.37	0.523	0.942	44.57	0.060	49.92	51.09	44.5	0.419
7/23/2025 5:00	31.2	8.16	349	2.95	110	4.34	-0.03	8.87	0.523	0.942	23.05	0.060	32.36	49.76	44.5	0.408
7/23/2025 6:00	32.3	8.15	347	2.94	110	4.35	-0.05	9.17	0.523	0.942	40.17	0.060	49.28	44.14	44.5	0.362
7/23/2025 7:00	33.8	8.21	355	2.95	109	4.39	-0.03	9.68	0.523	0.942	66.19	0.060	72.57	44.19	44.5	0.363
7/23/2025 8:00	32.6	8.25	355	2.90	108	4.51	-0.03	9.39	0.523	0.942	44.55	0.060	51.89	51.40	44.5	0.423
7/23/2025 9:00	34.4	8.27	352	3.60	106	4.69	-0.03	9.92	0.523	0.942	53.01	0.060	59.27	57.91	44.5	0.478
7/23/2025 10:00	34.4	8.46	346	3.17	106	4.70	-0.03	9.84	0.523	0.942	41.33	0.060	48.28	61.34	44.5	0.50

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/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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
7/28/2025 2:00	38.7	8.67	373	3.58	111	4.71	0.04	11.70	0.523	0.942	115.43	0.060	121.69	116.27	44.8	0.972
7/28/2025 3:00	38.3	8.68	373	3.50	111	4.69	0.04	11.60	0.523	0.942	116.36	0.060	122.62	121.61	44.9	1.016
7/28/2025 4:00	38.4	8.62	370	3.53	111	4.69	0.04	11.54	0.523	0.942	111.74	0.060	118.03	123.12	44.9	1.028
7/28/2025 5:00	38.2	8.62	371	3.50	111	4.69	0.04	11.51	0.523	0.942	111.39	0.060	117.65	120.77	44.9	1.009
7/28/2025 6:00	38.5	8.67	374	3.36	111	4.66	0.04	11.63	0.523	0.942	127.58	0.060	133.85	119.43	44.9	0.997
7/28/2025 7:00	35.0	8.69	376	3.37	111	4.67	0.03	10.62	0.523	0.942	70.55	0.060	77.56	123.17	44.9	1.030
7/28/2025 8:00	31.4	8.70	378	3.48	111	4.65	0.03	9.53	0.523	0.942	6.06	0.060	17.99	109.69	44.9	0.917
7/28/2025 9:00	31.7	8.79	382	3.67	111	4.64	0.18	9.74	0.523	0.942	15.88	0.060	15.88	76.47	44.8	0.640
7/28/2025 10:00	31.1	8.98	389	3.73	112	4.62	0.23	9.65	0.523	0.942	-0.66	1.820	7.67	37.14	44.9	0.310
7/28/2025 11:00	32.1	8.91	389	3.95	112	4.62	0.74	9.99	0.523	0.942	5.16	1.820	14.01	13.85	44.9	0.116
7/28/2025 12:00	35.1	8.94	390	4.06	112	4.61	2.29	10.94	0.523	0.942	49.47	1.820	50.39	12.52	44.9	0.105
7/28/2025 13:00	34.2	8.89	385	4.23	112	4.59	3.81	10.62	0.523	0.942	24.34	1.820	25.49	24.02	44.9	0.203
7/28/2025 14:00	33.0	8.90	390	4.20	112	4.58	3.22	10.26	0.523	0.942	6.85	1.820	12.58	30.09	44.9	0.224
7/28/2025 15:00	33.8	8.90	393	4.27	112	4.59	1.54	10.50	0.523	0.942	15.77	1.820	21.08	29.62	44.9	0.250
7/28/2025 16:00	34.1	8.90	393	4.28	112	4.59	2.57	10.59	0.523	0.942	19.11	1.820	19.85	44.8	0.168	
7/28/2025 17:00	33.5	8.90	391	4.28	112	4.60	2.35	10.40	0.523	0.942	8.87	1.820	13.76	18.29	44.8	0.155
7/28/2025 18:00	34.2	8.90	391	4.17	112	4.60	1.51	10.63	0.523	0.942	27.40	1.820	34.38	18.69	44.8	0.159
7/28/2025 19:00	33.5	8.97	395	4.10	112	4.60	0.00	10.48	0.523	0.942	23.20	1.820	23.98	23.12	44.8	0.196
7/28/2025 20:00	33.3	8.95	394	4.03	112	4.60	-0.03	10.41	0.523	0.942						

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.
 **Hydrotan/Platformer feed 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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
8/2/2025 12:00	31.8	8.59	367	3.72	105	4.59	-0.02	9.53	0.523	0.942	-4.52	0.010	10.95	13.71	45.2	0.109
8/2/2025 13:00	31.2	8.62	368	3.77	104	4.65	-0.01	9.37	0.523	0.942	-20.50	0.010	4.65	10.17	45.2	0.081
8/2/2025 14:00	30.9	8.58	366	3.75	105	4.63	-0.01	9.25	0.523	0.942	-24.80	0.010	3.32	8.46	45.2	0.067
8/2/2025 15:00	30.0	8.63	369	3.68	105	4.60	-0.01	9.02	0.523	0.942	-31.91	0.010	2.75	6.31	45.2	0.050
8/2/2025 16:00	30.3	8.63	367	3.78	105	4.59	-0.01	9.11	0.523	0.942	-32.14	0.010	1.23	3.58	45.2	0.028
8/2/2025 17:00	30.6	8.57	360	3.84	105	4.59	5.15	9.14	0.523	0.942	-34.58	0.010	1.55	2.44	45.2	0.019
8/2/2025 18:00	33.1	8.05	327	3.93	105	4.57	6.86	9.29	0.523	0.942	-33.66	0.010	1.12	1.85	45.2	0.015
8/2/2025 19:00	33.1	7.86	314	3.84	106	4.56	7.92	9.05	0.523	0.942	-40.31	0.010	0.99	1.30	45.2	0.018
8/2/2025 20:00	32.1	7.86	311	3.64	105	4.56	8.35	8.81	0.523	0.942	-44.39	0.010	2.12	1.22	45.2	0.010
8/2/2025 21:00	32.7	7.88	312	3.50	105	4.57	7.06	9.00	0.523	0.942	-22.64	0.010	4.47	1.41	45.2	0.011
8/2/2025 22:00	33.1	8.06	321	3.43	105	4.57	5.83	9.30	0.523	0.942	2.16	0.010	12.74	2.52	45.2	0.020
8/2/2025 23:00	33.4	7.92	318	3.38	105	4.56	3.16	9.24	0.523	0.942	1.87	0.010	15.93	6.44	45.2	0.050
8/3/2025 0:00	35.0	7.87	324	3.26	105	4.57	3.19	9.60	0.523	0.942	32.71	0.010	31.83	11.04	45.2	0.086
8/3/2025 1:00	34.9	7.87	334	3.21	105	4.57	3.90	9.58	0.523	0.942	33.85	0.010	34.05	20.16	45.2	0.158
8/3/2025 2:00	34.3	7.92	341	3.10	105	4.59	4.27	9.47	0.523	0.942	32.97	0.010	32.92	27.27	45.2	0.217
8/3/2025 3:00	34.3	7.96	341	2.99	105	4.61	3.85	9.53	0.523	0.942	41.61	0.010	40.32	32.94	45.2	0.267
8/3/2025 4:00	34.2	7.97	338	2.93	104	4.65	3.32	9.49	0.523	0.942	41.11	0.010	41.33	35.77	45.2	0.293
8/3/2025 5:00	33.9	7.95	338	2.95	105	4.62	3.35	9.40	0.523	0.942	36.25	0.010	35.00	38.19	45.2	0.312
8/3/2025 6:00	35.3	7.83	343	2.96	105	4.63	3.53	9.76	0.523	0.942	59.34	0.010	58.18	38.88	45.2	0.317
8/3/2025 7:00	33.															

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 feed 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 Boiler 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
8/7/2025 22:00	44.9	8.00	274	4.99	91	5.82	2.94	12.54	0.516	0.945	11.88	0.120	1.06	0.00	45.0	0.000
8/7/2025 23:00	45.3	7.79	271	4.80	91	5.86	2.88	12.31	0.516	0.945	8.46	0.120	0.00	0.35	44.9	0.000
8/8/2025 0:00	45.8	7.80	273	4.56	91	5.84	1.88	12.47	0.516	0.945	32.13	0.120	0.00	0.35	44.9	0.003
8/8/2025 1:00	44.3	7.75	273	4.58	91	5.85	1.33	11.99	0.516	0.945	3.01	0.120	0.00	0.35	44.9	0.003
8/8/2025 2:00	45.2	7.76	273	4.58	90	5.92	0.75	12.23	0.516	0.945	14.03	0.120	0.00	0.00	44.9	0.000
8/8/2025 3:00	46.2	7.75	272	4.87	90	5.90	0.49	12.50	0.516	0.945	12.66	0.120	0.00	0.00	44.8	0.000
8/8/2025 4:00	46.1	7.77	271	4.89	91	5.88	0.41	12.48	0.516	0.945	11.36	0.120	0.00	0.00	44.8	0.000
8/8/2025 5:00	46.2	7.65	270	4.73	91	5.86	0.30	12.33	0.516	0.945	14.81	0.120	0.00	0.00	44.8	0.000
8/8/2025 6:00	45.9	7.68	273	4.53	91	5.83	0.34	12.30	0.516	0.945	29.73	0.120	0.00	0.00	44.7	0.000
8/8/2025 7:00	46.8	7.72	277	4.59	91	5.83	6.96	12.62	0.516	0.945	50.90	0.120	0.00	0.00	44.7	0.000
8/8/2025 8:00	45.7	7.70	281	4.64	91	5.81	8.10	12.28	0.516	0.945	22.72	0.120	0.04	0.00	44.7	0.000
8/8/2025 9:00	46.1	7.71	274	4.75	91	5.79	11.74	12.40	0.516	0.945	24.88	0.120	0.00	0.01	44.7	0.000
8/8/2025 10:00	45.2	7.82	281	4.83	91	5.85	7.74	12.33	0.516	0.945	8.30	0.120	0.00	0.01	44.7	0.000
8/8/2025 11:00	45.4	7.81	286	4.86	91	5.82	1.16	12.37	0.516	0.945	10.24	0.120	0.00	0.01	44.7	0.000
8/8/2025 12:00	44.7	7.86	287	4.86	92	5.76	0.51	12.25	0.516	0.945	8.05	0.120	0.00	0.00	44.7	0.000
8/8/2025 13:00	43.5	8.04	295	4.85	93	5.63	12.30	12.21	0.516	0.945	16.02	0.120	0.00	0.00	44.7	0.000
8/8/2025 14:00	44.0	8.03	314	4.89	93	5.58	7.02	12.32	0.516	0.945	23.50	0.120	0.00	0.00	44.7	0.000
8/8/2025 15:00	43.7	8.15	321	4.94	93	5.61	6.17	12.44	0.516	0.945	24.84	0.120	0.00	0.00	44.7	0.000
8/8/2025 16:00	43.3	8.13	321	4.90	93	5.61	0.33	12.33	0.516	0.945	14.09	0.120	0.00	0.00	44.7	0.000
8/8/2025 17:00	44.1	8.04	315	5.00	93	5.66	0.20	12.37	0.51							

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 feed 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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
8/13/2025 8:00	45.5	7.92	334	4.56	93	5.58	-0.03	12.57	0.516	0.945	60.46	0.040	8.12	0.70	44.7	0.006
8/13/2025 9:00	38.9	8.99	369	4.50	93	5.58	-0.03	12.19	0.516	0.945	37.62	0.040	0.58	3.40	44.7	0.037
8/13/2025 10:00	38.2	8.97	369	4.48	93	5.57	-0.03	11.96	0.516	0.945	26.33	0.040	0.00	3.55	44.7	0.030
8/13/2025 11:00	39.6	8.83	359	4.54	94	5.56	-0.03	12.19	0.516	0.945	36.72	0.040	0.00	2.90	44.7	0.024
8/13/2025 12:00	39.6	8.93	361	4.81	94	5.56	-0.03	12.34	0.516	0.945	28.83	0.040	0.00	0.00	44.7	0.002
8/13/2025 13:00	40.6	8.87	357	4.90	94	5.55	-0.02	12.55	0.516	0.945	36.50	0.040	0.00	0.00	44.7	0.000
8/13/2025 14:00	39.0	9.35	380	4.98	94	5.52	0.00	12.66	0.516	0.945	38.09	0.040	0.34	0.00	44.7	0.008
8/13/2025 15:00	42.2	8.70	341	5.06	93	5.51	0.00	12.79	0.516	0.945	43.61	0.040	1.24	0.11	44.7	0.031
8/13/2025 16:00	42.3	8.57	346	5.10	94	5.51	0.01	12.81	0.516	0.945	30.63	0.040	0.28	0.53	44.7	0.004
8/13/2025 17:00	46.3	8.00	326	5.13	94	5.51	4.86	12.93	0.516	0.945	50.57	0.040	0.08	0.62	44.7	0.005
8/13/2025 18:00	47.0	7.89	323	5.22	94	5.51	6.58	12.93	0.516	0.945	45.21	0.040	0.00	0.53	44.7	0.004
8/13/2025 19:00	47.0	7.89	318	5.13	94	5.48	6.22	12.94	0.516	0.945	55.14	0.040	0.00	0.12	44.7	0.001
8/13/2025 20:00	46.1	7.90	315	4.93	94	5.46	6.37	12.69	0.516	0.945	54.32	0.040	0.00	0.03	44.7	0.000
8/13/2025 21:00	45.6	7.83	311	4.71	95	5.46	6.69	12.43	0.516	0.945	55.04	0.040	0.35	0.00	44.7	0.000
8/13/2025 22:00	45.6	7.83	313	4.52	94	5.48	6.53	12.45	0.516	0.945	66.69	0.040	1.36	0.12	44.7	0.001
8/13/2025 23:00	46.4	8.03	316	4.51	94	5.52	4.43	12.99	0.516	0.945	98.37	0.040	16.37	0.57	44.7	0.005
8/14/2025 0:00	48.9	7.73	299	4.52	94	5.52	4.22	13.19	0.516	0.945	116.77	0.040	28.95	6.03	44.7	0.049
8/14/2025 1:00	48.8	7.79	298	4.47	94	5.53	4.28	13.25	0.516	0.945	130.81	0.040	42.90	15.56	44.7	0.126
8/14/2025 2:00	48.7	7.84	303	4.39	94	5.52	3.96	13.07	0.516	0.945	146.76	0.040	58.67	29.41	44.7	0.234
8/14/2025 3:0																

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 feed 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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
8/18/2025 18:00	48.3	7.83	305	4.55	95	5.43	6.69	13.19	0.520	0.944	114.81	0.100	5.77	0.81	44.6	0.006
8/18/2025 19:00	46.8	7.75	295	4.51	95	5.43	8.27	12.67	0.520	0.944	84.59	0.100	0.00	2.73	44.6	0.002
8/18/2025 20:00	41.8	8.22	330	4.37	93	5.43	7.23	11.95	0.520	0.944	42.47	0.100	0.00	2.17	44.6	0.017
8/18/2025 21:00	40.9	8.05	328	4.35	94	5.50	9.46	11.47	0.520	0.944	7.73	0.100	0.00	2.23	44.6	0.018
8/18/2025 22:00	43.9	7.87	327	4.25	93	5.59	9.62	12.05	0.520	0.944	45.09	0.100	0.00	0.00	44.6	0.002
8/18/2025 23:00	43.6	7.85	328	4.43	94	5.56	6.03	11.93	0.520	0.944	26.61	0.100	0.00	0.00	44.6	0.003
8/19/2025 0:00	47.4	7.79	323	4.48	93	5.58	5.79	12.88	0.520	0.944	83.25	0.100	0.01	0.00	44.6	0.008
8/19/2025 1:00	46.0	7.77	327	4.40	93	5.60	5.83	12.47	0.520	0.944	61.41	0.100	0.00	0.00	44.6	0.000
8/19/2025 2:00	48.5	7.76	318	4.35	93	5.59	5.80	13.14	0.520	0.944	109.85	0.100	0.00	0.00	44.6	0.000
8/19/2025 3:00	48.9	7.76	314	4.33	93	5.59	5.77	13.25	0.520	0.944	119.87	0.100	0.42	0.00	44.6	0.000
8/19/2025 4:00	47.1	7.83	319	4.46	93	5.57	2.65	12.88	0.520	0.944	85.21	0.100	0.00	0.14	44.6	0.001
8/19/2025 5:00	47.4	7.82	320	4.40	93	5.57	0.80	12.92	0.520	0.944	91.94	0.100	0.00	0.14	44.6	0.001
8/19/2025 6:00	47.4	7.83	321	4.40	94	5.56	4.7	12.94	0.520	0.944	93.15	0.100	0.00	0.14	44.6	0.000
8/19/2025 7:00	47.6	7.88	324	4.43	93	5.60	0.22	13.07	0.520	0.944	95.92	0.100	0.00	0.76	44.6	0.003
8/19/2025 8:00	49.5	7.83	321	4.48	92	5.72	0.21	13.52	0.520	0.944	112.96	0.100	0.18	0.25	44.6	0.002
8/19/2025 9:00	47.7	7.87	324	4.46	92	5.73	0.15	13.08	0.520	0.944	85.45	0.100	0.21	0.32	44.6	0.003
8/19/2025 10:00	46.3	7.88	326	4.37	92	5.72	0.11	12.71	0.520	0.944	67.80	0.100	0.39	0.59	44.6	0.003
8/19/2025 11:00	43.5	7.86	329	4.11	92	5.70	0.10	11.93	0.520	0.944	37.87	0.100	0.00	0.13	44.6	0.001
8/19/2025 12:00	45.3	7.96	334	3.98	93	5.64	0.08	12.98	0.520	0.944	91.55	0.100	0.00	0.07	44.6	0.001
8/19/2025 13:00	43.9	7.93	328	4.12	93	5.62	0.12	12.14	0.520	0.944	56.45	0.100	0.00	0.00	44.6	0.000
8/19/2025 14:00	43.8	7.89	325	4.22	93	5.58	0.15	12.05	0.520	0.944	46.49	0.100	0.00	0.00	44.6	0.000
8/19/2025 15:00	44.4	7.98	327	4.37	93	5.56	0.16	12.37	0.520	0.944	57.52	0.100	0.00	0.00	44.6	0.000
8/19/2025 16:00	45.1	7.96	324	4.50	94	5.53	0.17	12.52	0.520	0.944	61.19	0.100	0.56	0.00	44.6	0.000
8/19/2025 17:00	44.7	7.98	325	4.55	94	5.52	0.20	12.46	0.520	0.944	54.79	0.100	0.00	0.19	44.6	0.002
8/19/2025 18:00	47.5	8.03	326	4.51	94	5.51	0.19	13.32	0.520	0.944	105.94	0.100	0.00	0.19	44.6	0.002
8/19/2025 19:00	47.0	8.06	330	4.67	94	5.51	-0.03	13.22	0.520	0.944	94.36	0.100	0.00	0.19	44.6	0.002
8/19/2025 20:00	46.2	8.08	330	4.67	94	5.50	-0.05	13.02	0.520	0.944	82.09	0.100	0.00	0.00	44.6	0.000
8/19/2025 21:00	46.4	8.06	330	4.59	94	5.47	-0.06	13.05	0.520	0.944	91.10	0.100	1.45	0.00	44.6	0.000
8/19/2025 22:00	42.4	8.66	357	4.49	95	5.46	-0.05	12.80	0.520	0.944	79.08	0.100	0.00	0.48	44.6	0.004
8/19/2025 23:00	40.8	8.57	363	4.19	95	5.44	-0.05	12.08	0.520	0.944	56.02	0.100	0.00	0.48	44.6	0.004
8/20/2025 0:00	43.6	8.17	341	4.01	95	5.46	-0.05	12.43	0.520	0.944	90.85	0.100	0.00	0.48	44.6	0.004
8/20/2025 1:00	45.8	8.00	331	4.19	95	5.46	-0.05	12.80	0.520	0.944	103.93	0.100	0.00	0.00	44.6	0.000
8/20/2025 2:00	45.8	7.97	330	4.29	95	5.45	-0.05	12.74	0.520	0.944	94.73	0.100	1.96	0.00	44.6	0.000
8/20/2025 3:00	44.7	7.88	323	4.32	95	5.44	-0.04	12.30	0.520	0.944	65.89	0.100	0.00	0.65	44.6	0.005
8/20/2025 4:00	45.5	7.85	325	3.94	95	5.43	-0.04	12.45	0.520	0.944	102.96	0.100	0.00	0.65	44.6	0.005
8/20/2025 5:00	44.6	7.92	330	3.78	95	5.44	-0.04	12.34	0.520	0.944	70.14	0.100	0.12	0.45	44.6	0.005
8/20/2025 6:00	42.4	7.91	330	3.71	95	5.44	-0.03	11.72	0.520	0.944	70.14	0.100	0.33	0.04	44.6	0.000
8/20/2025 7:00	44.7	7.91	330	3.71	95	5.44	-0.03	12.36	0.520	0.944	110.54	0.100	0.03	0.15	44.6	0.001
8/20/2025 8:00	46.6	7.94	332	3.75	95	5.44	-0.04	12.90	0.520	0.944	141.70	0.100	0.00	0.16	44.6	0.001
8/20/2025 9:00	48.0	7.95	332	3.76	95	5.41	-0.04	13.33	0.520	0.944	169.57	0.100	2.93	0.12	44.6	0.001
8/20/2025 10:00	49.0	7.96	332	3.80	95	5.40	-0.04	13.17	0.520	0.944	176.09	0.100	1.76	0.09	44.6	0.008
8/20/2025 11:00	49.0	7.98	335	3.82	96	5.27	-0.04	13.68	0.520	0.944	195.63	0.100	4.27	1.34	44.6	0.013
8/20/2025 12:00	51.8	7.95	333	3.84	97	5.25	-0.03	14.38	0.520	0.944	239.69	0.100	18.67	2.97	44.6	0.025
8/20/2025 13:00	50.9	7.94	332	3.84	96	5.29	-0.03	14.10	0.520	0.944	220.38	0.100	6.86	8.21	44.6	0.069
8/20/2025 14:00	51.1	7.91	330	3.94	95	5.41	-0.03	14.11	0.520	0.944	207.05	0.100	4.74	9.93	44.6	0.084
8/20/2025 15:00	51.2	7.85	327	3.91	94	5.48	-0.03	14.03	0.520	0.944	201.61	0.100	2.01	10.09	44.6	0.086
8/20/2025 16:00	50.4	7.88	327	3.98	94	5.44	-0.03	14.05	0.520	0.944	194.86	0.100	1.74	9.44	44.6	0.084
8/20/2025 17:00	50.9	7.85	329	3.91	93	5.57	-0.03	13.93	0.520	0.944	187.23	0.100	5.07	2.83	44.6	0.024
8/20/2025 18:00	56.8	7.86	332	3.85	93	5.58	-0.04	15.57	0.520	0.944	292.69	0.100	43.32	2.94	44.6	0.025
8/20/2025 19:00	52.6	7.93	335	3.85	93	5.64	-0.04	14.55	0.520	0.944	221.67	0.100	7.26	16.71	44.6	0.141
8/20/2025 20:00	51.4	8.00	338	3.98	93	5.67	-0.03	14.34	0.520	0.944	197.07	0.100	7.02	18.55	44.6	0.157
8/20/2025 21:00	50.0	8.03	337	4.17	92	5.69	-0.03	14.00	0.520	0.944	162.41	0.100	2.39	19.20	44.6	0.163
8/20/2025 22:00	49.4	8.08	337	4.03	92	5.69	-0.03	14.49	0.520	0.944	149.03	0.100	6.36	15.45	44.6	0.047
8/20/2025 23:00	49.7	8.30	342	3.92	92	5.69	-0.03	14.38	0.520	0.944	199.23	0.100	0.89	5.22	44.6	0.045
8/21/2025 0:00	54.2	8.10	337	3.85	92	5.69	-0.04	15.31	0.520	0.944	265.11	0.100	31.80	3.18	44.6	0.027
8/21/2025 1:00	53.5	8.05	335	3.87	92	5.73	-0.04	15.04	0.520	0.944	245.06	0.100	9.71	12.98	44.6	0.110
8/21/2025 2:00	53.5	8.06	336	3.87	92	5.76	-0.04	15.12	0.520	0.944	247.42	0.100	13.15	14.13	44.6	0.119
8/21/2025 3:00	53.3	8.06	337	3.76	92	5.76	-0.05	15.12	0.520	0.944	253.19	0.100	12.18	12.82	44.6	0.131
8/21/2025 4:00	55.9	7.98	339	3.78	92	5.70	-0.05	15.59	0.520	0.944	283.78	0.100	11.88	11.68	44.6	0.098
8/21/2025 5:00	54.8	7.97	336	3.79	93	5.65	-0.05	15.23	0.520	0.944	267.32	0.100	15.00	21.65	44.7	0.182
8/21/2025 6:00	60.2	7.87	331	3.80	93	5.66	-0.05	16.53	0.520	0.944	350.97	0.100	85.42	22.26	44.7	0.188
8/21/2025 7:00	51.2	7.92	336	3.78	93	5.64	-0.05	14.16	0.520	0.944	202.40	0.100	0.56	46.67	44.7	0.394
8/21/2025 8:00	46.4	7.91	334	3.72	93	5.64	-0.04	12.82	0.520	0.944	123.08	0.100	0.00	33.86	44.7	0.070
8/21/2025 9:00	46.9	7.83	335	3.64	93	5.61	-0.04	12.66	0.520	0.944	130.16	0.100	0.00	32.62	44.6	0.165
8/21/2025 10:00	47.1	7.76	325	3.83	93	5.60	-0.03	12.76	0.520	0.944	116.72	0.100	1.46	0.57	44.6	0.005
8/21/2025 11:00	44.4	7.80	324	4.08	93	5.62	-0.03	12.07	0.520	0.944	54.87	0.100	0.00	0.00	44.6	0.007
8/21/2025 12:00	45.3	7.80	322	4.23	93	5.63	-0.03	12.32	0.520	0.944	59.62	0.100	0.47	0.87	44.6	0.007
8/21/2025 13:00	45.2	7.71	316	4.36	93	5.60	-0.02	12.15	0.520	0.944	42.40	0.100	0.00	0.64	44.6	0.005
8/21/2025 14:00	47.3	7.73	317	4.43	93	5.63	-0.02	12.63	0.520	0.944	72.30	0.100	0.00	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 Hydrocarbon/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 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LPG Sulfur Content	LPG 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
8/24/2025 4:00	45.9	8.23	327	4.05	93	5.60	2.37	13.18	0.520	0.944	129.58	0.010	39.79	44.7	44.2	0.352
8/24/2025 5:00	44.4	8.25	331	3.90	93	5.61	-0.03	12.77	0.520	0.944	111.10	0.010	31.28	44.2	44.2	0.347
8/24/2025 6:00	45.9	8.26	331	3.87	93	5.60	-0.03	13.22	0.520	0.944	141.78	0.010	38.31	44.2	44.2	0.361
8/24/2025 7:00	44.8	8.26	333	3.76	93	5.61	-0.03	12.91	0.520	0.944	128.91	0.010	33.66	39.73	44.2	0.312
8/24/2025 8:00	41.5	8.27	333	3.85	93	5.60	-0.02	11.97	0.520	0.944	64.98	0.010	7.73	37.69	44.2	0.296
8/24/2025 9:00	41.4	8.21	330	3.93	93	5.58	-0.01	11.85	0.520	0.944	53.10	0.010	10.31	29.83	44.2	0.234
8/24/2025 10:00	41.6	8.25	334	4.09	94	5.56	0.00	11.99	0.520	0.944	51.61	0.010	7.12	17.24	44.2	0.135
8/24/2025 11:00	43.6	8.26	357	4.58	94	5.57	0.00	12.56	0.520	0.944	54.38	0.010	5.37	8.89	44.2	0.055
8/24/2025 12:00	44.6	8.27	338	4.68	94	5.51	-0.01	12.88	0.520	0.944	69.17	0.010	14.80	7.80	44.2	0.059
8/24/2025 13:00	43.9	8.30	331	4.75	94	5.49	-0.01	12.73	0.520	0.944	58.35	0.010	10.29	9.10	44.2	0.071
8/24/2025 14:00	43.5	8.26	330	4.80	95	5.43	-0.01	12.53	0.520	0.944	47.68	0.010	8.64	10.16	44.2	0.079
8/24/2025 15:00	41.3	8.26	329	4.76	95	5.42	0.01	11.92	0.520	0.944	12.63	0.010	3.57	11.25	44.2	0.088
8/24/2025 16:00	41.7	8.25	329	4.83	95	5.41	-0.01	12.00	0.520	0.944	13.74	0.010	1.93	7.50	44.2	0.059
8/24/2025 17:00	40.2	8.21	331	4.80	95	5.44	-0.01	11.53	0.520	0.944	15.97	0.010	1.52	4.71	44.2	0.037
8/24/2025 18:00	42.1	8.22	333	4.55	95	5.40	-0.01	12.06	0.520	0.944	37.09	0.010	3.78	2.34	44.2	0.018
8/24/2025 19:00	42.9	8.16	328	4.53	95	5.44	-0.01	12.22	0.520	0.944	46.75	0.010	6.71	2.41	44.2	0.019
8/24/2025 20:00	43.4	8.12	325	4.43	94	5.49	-0.02	12.31	0.520	0.944	55.49	0.010	10.30	4.00	44.2	0.032
8/24/2025 21:00	42.8	8.26	329	4.46	94	5.47	-0.02	12.34	0.520	0.944	55.94	0.010	8.04	6.93	44.2	0.055
8/24/2025 22:00	41.5	8.28	333	4.03	94	5.46	-0.04	12.03	0.520	0.944	74.81	0.010	14.56	8.35	44.2	0.014
8/24/2025 23:00	42.3	8.22	332	3.71	93	5.65	-0.03	12.13	0.520	0.944	80.44	0.010	13.14	10.77	44.2	0.087
8/25/2025 0:00	44.3	8.16	330	3.78	93	5.65	-0.04	12.62	0.520	0.944	107.25	0.010	23.95	11.91	44.2	0.094
8/25/2025 1:00	43.2	8.17	331	3.76	93	5.66	-0.04	12.33	0.520	0.944	89.38	0.010	22.84	17.22	44.2	0.137
8/25/2025 2:00	43.1	8.20	333	3.77	93	5.64	-0.04	12.33	0.520	0.944	89.73	0.010	18.06	19.98	44.2	0.159
8/25/2025 3:00	42.4	8.18	331	3.77	93	5.64	-0.04	12.10	0.520	0.944	76.32	0.010	15.68	21.62	44.2	0.172
8/25/2025 4:00	42.4	8.18	331	3.81	93	5.63	-0.04	12.11	0.520	0.944	73.77	0.010	11.18	19.86	44.2	0.150
8/25/2025 5:00	42.3	8.17	331	3.79	93	5.64	-0.05	12.07	0.520	0.944	71.77	0.010	14.07	14.95	44.2	0.120
8/25/2025 6:00	42.7	8.13	330	3.81	93	5.65	-0.05	12.12	0.520	0.944	73.98	0.010	12.88	13.62	44.2	0.109
8/25/2025 7:00	42.5	8.18	339	3.81	93	5.66	-0.05	12.12	0.520	0.944	71.27	0.010	10.88	12.68	44.2	0.102
8/25/2025 8:00	43.1	8.16	347	3.78	93	5.66	-0.04	12.29	0.520	0.944	71.27	0.010	17.73	12.61	44.2	0.102
8/25/2025 9:00	42.3	8.15	351	3.74	93	5.63	-0.04	12.03	0.520	0.944	69.23	0.010	9.83	11.10	44.2	0.083
8/25/2025 10:00	40.9	8.20	355	3.73	93	5.62	-0.03	11.70	0.520	0.944	51.37	0.010	7.57	12.82	44.2	0.106
8/25/2025 11:00	41.5	8.14	353	3.78	94	5.56	-0.03	11.78	0.520	0.944	57.52	0.010	6.08	11.71	44.2	0.098
8/25/2025 12:00	40.7	8.19	351	3.88	94	5.55	-0.03	11.64	0.520	0.944	43.66	0.010	5.58	7.83	44.2	0.066
8/25/2025 13:00	42.3	8.17	350	3.84	94	5.54	-0.03	12.06	0.520	0.944	72.72	0.010	10.55	6.41	44.2	0.054
8/25/2025 14:00	41.2	8.19	349	3.95	94	5.54	-0.02	11.76	0.520	0.944	47.38	0.010	5.23	7.41	44.2	0.062
8/25/2025 15:00	40.9	8.22	350	4.08	94	5.54	-0.02	11.69	0.520	0.944	39.43	0.010	2.31	7.12	44.2	0.060
8/25/2025 16:00	40.9	8.22	354	3.91	94	5.57	-0.01	11.74	0.520	0.944	46.86	0.010	4.00	6.03	44.2	0.050
8/25/2025 17:00	41.7	8.22	354	3.89	94	5.54	-0.01	11.96	0.520	0.944	62.33	0.010	9.19	4.17	44.2	0.035
8/25/2025 18:00	43.8	8.15	356	3.88	94	5.53	-0.02	12.47	0.520	0.944	93.68	0.010	13.52	5.49	44.2	0.046
8/25/2025 19:00	43.8	8.16	362	3.82	94	5.55	-0.02	12.41	0.520	0.944	91.88	0.010	19.04	9.23	44.2	0.078
8/25/2025 20:00	43.2	8.21	365	3.78	93	5.63	-0.03	12.37	0.520	0.944	86.89	0.010	13.92	10.37	44.2	0.119
8/25/2025 21:00	43.4	8.38	364	3.73	93	5.60	-0.03	12.68	0.520	0.944	109.28	0.010	26.72	14.78	44.2	0.122
8/25/2025 22:00	43.7	8.16	349	3.69	93	5.64	-0.03	12.44	0.520	0.944	98.17	0.010	23.72	18.68	44.2	0.160
8/25/2025 23:00	45.2	7.88	334	3.60	92	5.78	-0.04	12.43	0.520	0.944	97.19	0.010	17.30	20.24	44.2	0.173
8/26/2025 0:00	48.0	7.89	334	3.62	91	5.78	-0.05	13.22	0.520	0.944	145.19	0.010	45.28	22.58	44.2	0.192
8/26/2025 1:00	48.5	7.96	336	3.64	91	5.79	-0.05	13.47	0.520	0.944	158.45	0.010	56.93	28.76	44.2	0.244
8/26/2025 2:00	48.7	7.87	330	3.65	90	5.80	-0.05	13.15	0.520	0.944	137.58	0.010	41.38	29.63	44.2	0.337
8/26/2025 3:00	49.4	7.88	329	3.63	90	5.89	-0.06	13.58	0.520	0.944	161.02	0.010	64.28	47.86	44.2	0.405
8/26/2025 4:00	47.6	7.96	329	3.69	91	5.86	1.07	13.20	0.520	0.944	134.78	0.010	46.16	54.20	44.2	0.458
8/26/2025 5:00	48.3	7.96	331	3.67	90	5.92	0.00	13.41	0.520	0.944	144.45	0.010	54.13	50.61	44.2	0.426
8/26/2025 6:00	50.1	7.85	326	3.69	89	6.01	-0.01	13.73	0.520	0.944	159.12	0.010	66.38	54.86	44.2	0.461
8/26/2025 7:00	47.6	7.88	331	3.66	89	6.01	-0.03	13.07	0.520	0.944	117.28	0.010	30.48	55.56	44.2	0.468
8/26/2025 8:00	48.2	7.94	335	3.57	90	5.92	-0.03	13.53	0.520	0.944	169.37	0.010	72.37	58.04	44.2	0.427
8/26/2025 9:00	42.2	7.92	333	3.45	90	5.96	-0.01	11.67	0.520	0.944	46.28	0.010	7.49	38.29	44.2	0.325
8/26/2025 10:00	42.5	7.89	332	3.37	90	5.88	-0.01	11.71	0.520	0.944	60.55	0.010	7.55	18.65	44.2	0.154
8/26/2025 11:00	40.5	7.96	332	3.52	91	5.81	0.00	11.25	0.520	0.944	26.64	0.010	1.93	11.02	44.2	0.090
8/26/2025 12:00	41.6	7.82	325	3.55	92	5.74	0.12	11.35	0.520	0.944	36.70	0.010	4.00	5.65	44.2	0.045
8/26/2025 13:00	41.8	7.87	324	3.57	92	5.72	0.10	11.46	0.520	0.944	40.44	0.010	4.49	4.49	44.2	0.036
8/26/2025 14:00	43.3	7.94	328	3.38	91	5.81	0.59	12.00	0.520	0.944	84.42	0.010	10.66	3.20	44.2	0.026
8/26/2025 15:00	42.6	7.88	326	3.35	91	5.84	0.12	11.71	0.520	0.944	65.62	0.010	7.58	6.16	44.2	0.049
8/26/2025 16:00	41.5	7.94	332	3.26	91	5.84	0.18	11.50	0.520	0.944	58.25	0.010	7.06	7.35	44.2	0.059
8/26/2025 17:00	40.2	7.96	332	3.27	91	5.84	0.52	11.16	0.520	0.944	36.88	0.010	4.65	8.44	44.2	0.068
8/26/2025 18:00	42.2	7.93	328	3.27	91	5.85	1.05	11.66	0.520	0.944	68.07	0.010	8.89	6.43	44.2	0.052
8/26/2025 19:00	42.9	7.87	324	3.35	92	5.88	1.38	11.77	0.520	0.944	69.33	0.010	17.77	17.82	44.2	0.083
8/26/2025 20:00	43.6	7.88	323	3.44	91	5.88	3.64	11.99	0.520	0.944	75.67	0.010	15.28	10.20	44.2	0.082
8/26/2025 21:00	44.4	7.85	319	3.49	91	5.86	4.26	12.16	0.520	0.944	85.39	0.010	23.70	13.75	44.2	0.110
8/26/2025 22:00	43.2	7.89	328	3.48	91	5.87	3.40	11.89	0.520	0.944	65.62	0.010	11.19	18.68	44.2	0.148
8/26/2025 23:00	43.3	7.86	326	3.46	90	5.90	3.39	11.42	0.520	0.944	38.88	0.010	7.17	16.72	44.2	0.133
8/27/2025 0:00	46.9	7.87	324	3.59	90	5.92	11.85	11.30	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 feed 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 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
8/29/2025 14:00	41.3	7.65	360	3.11	89	6.07	-0.02	11.02	0.520	0.944	18.84	0.010	52.41	57.40	44.0	0.483
8/29/2025 15:00	41.7	7.59	357	3.08	88	6.09	-0.01	11.04	0.520	0.944	21.32	0.010	60.72	61.78	44.0	0.520
8/29/2025 16:00	39.8	7.60	354	3.03	89	6.09	0.00	10.53	0.520	0.944	-4.53	0.010	32.90	37.85	44.0	0.490
8/29/2025 17:00	39.5	7.64	355	3.05	89	6.08	0.22	10.53	0.520	0.944	-7.10	0.010	32.14	48.55	44.0	0.409
8/29/2025 18:00	39.2	7.65	354	3.04	89	6.08	2.34	10.47	0.520	0.944	-9.89	0.010	31.75	41.80	44.0	0.351
8/29/2025 19:00	39.3	7.71	355	3.01	88	6.10	6.02	10.58	0.520	0.944	-2.20	0.010	35.71	32.14	44.1	0.269
8/29/2025 20:00	39.6	7.81	359	3.08	88	6.13	5.23	10.78	0.520	0.944	3.18	0.010	43.49	33.20	44.1	0.278
8/29/2025 21:00	40.5	7.67	347	3.16	89	6.26	4.63	10.83	0.520	0.944	-1.30	0.010	39.80	36.98	44.1	0.399
8/29/2025 22:00	41.1	7.85	348	3.20	87	6.28	4.96	11.27	0.520	0.944	14.94	0.010	55.93	39.57	44.1	0.332
8/29/2025 23:00	41.4	7.84	347	3.25	87	6.27	5.46	11.32	0.520	0.944	14.54	0.010	47.35	46.41	44.1	0.389
8/30/2025 0:00	41.7	7.78	344	3.27	87	6.27	5.48	11.31	0.520	0.944	11.96	0.010	43.73	47.69	44.1	0.400
8/30/2025 1:00	44.1	7.78	343	3.31	87	6.30	5.52	11.97	0.520	0.944	49.58	0.010	81.39	49.00	44.1	0.412
8/30/2025 2:00	45.6	7.75	340	3.29	87	6.29	5.49	11.81	0.520	0.944	41.03	0.010	72.49	57.49	44.1	0.468
8/30/2025 3:00	45.8	7.72	341	3.27	86	6.31	5.51	12.34	0.520	0.944	74.72	0.010	103.59	65.87	44.1	0.555
8/30/2025 4:00	45.9	7.67	342	3.29	86	6.32	5.49	12.27	0.520	0.944	68.36	0.010	96.93	85.82	44.1	0.723
8/30/2025 5:00	46.7	7.62	339	3.27	86	6.33	5.45	12.40	0.520	0.944	76.76	0.010	105.71	91.00	44.1	0.768
8/30/2025 6:00	48.2	7.57	336	3.30	86	6.33	5.54	12.73	0.520	0.944	97.04	0.010	125.30	102.08	44.1	0.860
8/30/2025 7:00	46.3	7.63	339	3.27	86	6.33	5.53	12.31	0.520	0.944	71.30	0.010	99.58	109.31	44.2	0.919
8/30/2025 8:00	44.7	7.60	339	3.22	87	6.30	5.49	11.87	0.520	0.944	48.74	0.010	82.06	110.20	44.2	0.974
8/30/2025 9:00	44.5	7.62	342	3.11	87	6.28	5.57	11.82	0.520	0.944	55.01	0.010	85.60	102.31	44.2	0.856
8/30/2025 10:00	42.6	7.63	347	3.04	87	6.24	5.69	11.33	0.520	0.944	31.55	0.010	64.92	89.08	44.2	0.740
8/30/2025 11:00	41.6	7.57	345	2.96	87	6.24	5.77	10.99	0.520	0.944	15.58	0.010	50.47	77.53	44.2	0.640
8/30/2025 12:00	42.0	7.68	353	3.00	87	6.25	5.77	11.25	0.520	0.944	28.51	0.010	65.05	67.00	44.2	0.552
8/30/2025 13:00	41.9	7.78	360	3.05	86	6.33	5.56	11.39	0.520	0.944	26.69	0.010	64.79	60.15	44.2	0.496
8/30/2025 14:00	42.6	7.71	353	3.11	89	6.32	5.95	11.44	0.520	0.944	27.17	0.010	60.10	62.11	44.2	0.496
8/30/2025 15:00	43.5	7.74	353	3.20	86	6.32	8.54	11.76	0.520	0.944	40.99	0.010	73.27	64.43	44.2	0.531
8/30/2025 16:00	44.7	7.75	351	3.61	86	6.29	6.76	12.08	0.520	0.944	35.56	0.010	70.51	67.17	44.2	0.553
8/30/2025 17:00	43.7	7.70	348	3.78	87	6.29	5.75	11.75	0.520	0.944	3.43	0.010	45.37	69.07	44.2	0.568
8/30/2025 18:00	46.3	7.71	348	3.74	87	6.29	5.53	12.48	0.520	0.944	51.87	0.010	84.22	63.05	44.2	0.521
8/30/2025 19:00	46.0	7.70	349	3.43	87	6.22	5.57	12.28	0.520	0.944	65.26	0.010	98.33	68.70	44.2	0.550
8/30/2025 20:00	46.6	7.70	353	3.21	87	6.21	5.50	12.54	0.520	0.944	96.54	0.010	124.40	75.97	44.2	0.627
8/30/2025 21:00	48.5	7.74	369	3.08	87	6.23	5.50	13.11	0.520	0.944	133.04	0.010	160.91	102.31	44.2	0.848
8/30/2025 22:00	46.3	7.74	374	3.15	87	6.27	5.51	12.50	0.520	0.944	89.39	0.010	118.56	127.88	44.3	1.081
8/30/2025 23:00	44.8	7.73	372	3.14	86	6.31	5.51	12.08	0.520	0.944	62.37	0.010	92.20	134.62	44.3	1.163
8/31/2025 0:00	46.4	7.68	366	3.11	87	6.27	5.47	12.44	0.520	0.944	89.79	0.010	117.67	123.89	44.3	1.089
8/31/2025 1:00	45.4	7.62	364	3.14	87	6.27	5.49	12.14	0.520	0.944	68.24	0.010	97.23	109.81	44.3	0.966
8/31/2025 2:00	45.2	7.65	359	3.23	87	6.27	5.52	12.01	0.520	0.944	57.19	0.010	86.89	102.73	44.3	0.902
8/31/2025 3:00	46.7	7.62	358	3.26	87	6.29	5.49	12.43	0.520	0.944	79.66	0.010	108.26	100.96	44.3	0.884
8/31/2025 4:00	46.3	7.62	355	3.23	86	6.33	5.48	12.29	0.520	0.944	70.89	0.010	100.60	97.49	44.3	0.855
8/31/2025 5:00	47.1	7.62	352	3.25	86	6.33	5.47	12.53	0.520	0.944	84.78	0.010	114.26	98.59	44.3	0.865
8/31/2025 6:00	46.0	7.70	356	3.32	86	6.30	5.50	12.00	0.520	0.944	62.99	0.010	107.71	93.38	44.3	0.934
8/31/2025 7:00	46.7	7.84	362	3.26	82	6.32	5.51	12.78	0.520	0.944	97.25	0.010	99.28	107.45	44.3	0.860
8/31/2025 8:00	44.3	7.75	359	3.17	82	6.30	5.51	11.98	0.520	0.944	57.82	0.010	86.73	107.03	44.3	0.923
8/31/2025 9:00	42.3	7.79	361	3.09	82	6.25	5.65	11.49	0.520	0.944	36.05	0.010	69.79	97.85	44.3	0.835
8/31/2025 10:00	42.5	7.77	362	3.03	83	6.22	5.89	11.54	0.520	0.944	45.43	0.010	80.13	93.66	44.3	0.794
8/31/2025 11:00	43.1	7.84	365	3.22	83	6.21	5.60	11.79	0.520	0.944	49.18	0.010	79.82	78.88	44.3	0.666
8/31/2025 12:00	42.7	7.81	364	3.18	84	6.18	5.62	12.45	0.520	0.944	67.48	0.010	97.58	97.43	44.3	0.645
8/31/2025 13:00	42.8	7.83	363	3.66	84	6.11	5.72	11.69	0.520	0.944	21.49	0.010	61.75	85.76	44.3	0.723
8/31/2025 14:00	42.7	7.79	360	3.71	84	6.08	6.02	11.60	0.520	0.944	14.35	0.010	50.89	79.64	44.4	0.670
8/31/2025 15:00	41.8	7.82	360	3.78	84	6.08	7.17	11.40	0.520	0.944	-2.27	0.010	42.17	69.99	44.4	0.588
8/31/2025 16:00	42.1	7.83	360	3.84	84	6.08	6.85	11.49	0.520	0.944	-0.71	0.010	42.27	51.60	44.4	0.432
8/31/2025 17:00	43.0	7.75	358	3.89	84	6.08	6.04	11.62	0.520	0.944	3.77	0.010	45.11	44.44	44.4	0.377
8/31/2025 18:00	43.6	7.77	360	3.93	84	6.09	5.51	12.84	0.520	0.944	13.33	0.010	49.41	45.34	44.4	0.361
8/31/2025 19:00	42.9	7.76	355	3.97	84	6.10	5.58	11.61	0.520	0.944	-3.53	0.010	45.66	45.76	44.4	0.383
8/31/2025 20:00	41.2	7.76	353	3.91	85	6.02	5.54	11.14	0.520	0.944	-22.74	0.010	31.05	44.62	44.4	0.374
8/31/2025 21:00	37.1	8.31	387	3.62	84	6.04	1.44	10.73	0.520	0.944	-27.13	0.010	23.91	39.78	44.4	0.333
8/31/2025 22:00	37.6	7.96	374	3.39	84	6.14	-0.03	10.44	0.520	0.944	-37.25	0.010	19.04	31.27	44.4	0.262
8/31/2025 23:00	38.6	7.86	367	3.22	82	6.12	6.08	10.50	0.520	0.944	-25.99	0.010	24.67	24.87	44.4	0.266
9/1/2025 0:00	38.6	7.90	365	3.22	82	6.28	-0.04	10.47	0.520	0.942	-19.64	0.010	28.77	21.83	44.4	0.183
9/1/2025 1:00	37.3	7.88	369	3.23	82	6.28	-0.06	10.25	0.510	0.942	-35.27	0.010	21.22	23.45	44.4	0.197
9/1/2025 2:00	37.8	7.85	367	3.27	82	6.29	-0.05	10.35	0.510	0.942	-32.42	0.010	16.40	24.17	44.4	0.204
9/1/2025 3:00	37.8	7.84	365	3.31	82	6.28	-0.05	10.36	0.510	0.942	-33.68	0.010	22.45	22.13	44.4	0.187
9/1/2025 4:00	37.2	7.83	366	3.25	82	6.31	-0.05	10.16	0.510	0.942	-43.47	0.010	14.40	20.02	44.4	0.169
9/1/2025 5:00	38.1	7.81	364	3.26	83	6.31	-0.05	10.42	0.510	0.942	-29.88	0.010	19.02	17.78	44.4	0.150
9/1/2025 6:00	37.7	7.81	357	3.25	85	6.28	3.96	10.26	0.510	0.942	-36.38	0.010	19.00	18.64	44.4	0.158
9/1/2025 7:00	43.1	7.75	355	3.26	86	6.27	4.73	11.64	0.510	0.942	47.97	0.010	76.76	17.50	44.4	0.148
9/1/2025 8:00	45.9	7.83	356	3.17	87	6.27	4.83	12.52	0.510	0.942	107.57	0.010	135.02	38.26	44.4	0.325
9/1/2025 9:00	47.7	7.78	356	3.02	88	6.20	6.43	12.14	0.510	0.942	98.51	0.010	126.57	76.93	44.4	0.650
9/1/2025 10:00	44.5	7.81	358	3.12	89	6.15	6.12									

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 feed 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 Sulfur Emission	LRF Sulfur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected 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
9/4/2025 0:00	49.7	7.57	331	3.63	88	6.15	5.73	13.13	0.510	0.942	129.39	0.010	156.79	97.76	45.3	0.810
9/4/2025 1:00	47.9	7.59	331	3.50	88	6.17	5.41	12.70	0.510	0.942	109.44	0.010	133.67	113.67	45.3	0.933
9/4/2025 2:00	48.5	7.53	329	3.45	89	6.18	5.10	12.75	0.510	0.942	116.24	0.010	144.70	129.53	45.3	1.053
9/4/2025 3:00	49.0	7.55	327	3.77	88	6.18	5.48	12.90	0.510	0.942	104.75	0.010	132.15	146.20	45.3	1.183
9/4/2025 4:00	50.1	7.54	325	3.85	88	6.15	5.57	13.17	0.510	0.942	119.64	0.010	148.18	137.99	45.3	1.115
9/4/2025 5:00	50.6	7.52	323	4.00	88	6.14	5.06	13.28	0.510	0.942	117.42	0.010	144.82	141.68	45.3	1.147
9/4/2025 6:00	49.4	7.52	325	3.92	88	6.13	5.43	12.98	0.510	0.942	103.79	0.010	130.79	141.72	45.3	1.151
9/4/2025 7:00	45.0	8.30	372	3.43	88	6.12	5.22	12.85	0.510	0.942	115.65	0.010	143.95	141.26	45.4	1.150
9/4/2025 8:00	48.0	7.76	342	3.28	89	6.08	4.13	13.01	0.510	0.942	141.81	0.010	169.21	139.85	45.4	1.144
9/4/2025 9:00	49.9	7.72	338	3.38	87	6.20	3.90	13.43	0.510	0.942	159.49	0.010	186.90	147.98	45.4	1.208
9/4/2025 10:00	49.9	7.73	336	3.42	87	6.21	4.07	13.46	0.510	0.942	158.30	0.010	185.72	166.69	45.4	1.374
9/4/2025 11:00	50.5	7.71	339	3.39	88	6.18	4.76	13.58	0.510	0.942	169.07	0.010	196.47	180.61	45.4	1.488
9/4/2025 12:00	48.5	7.67	335	3.36	88	6.14	5.28	12.97	0.510	0.942	137.29	0.010	164.69	189.70	45.5	1.572
9/4/2025 13:00	47.8	7.61	334	3.21	88	6.11	5.47	12.48	0.510	0.942	131.59	0.010	160.52	182.29	45.5	1.499
9/4/2025 14:00	47.8	7.59	334	3.10	89	6.05	5.92	12.67	0.510	0.942	142.49	0.010	169.90	173.89	45.5	1.423
9/4/2025 15:00	45.7	7.62	336	3.25	89	6.07	5.59	12.15	0.510	0.942	97.79	0.010	126.44	165.04	45.5	1.338
9/4/2025 16:00	47.6	7.60	334	3.47	88	6.08	5.56	12.63	0.510	0.942	112.87	0.010	140.28	152.28	45.5	1.232
9/4/2025 17:00	47.3	7.57	334	3.40	89	6.04	5.81	12.50	0.510	0.942	112.44	0.010	139.95	145.54	45.5	1.179
9/4/2025 18:00	45.6	7.58	334	3.44	89	6.04	5.56	12.46	0.510	0.942	82.43	0.010	109.68	135.54	45.5	1.106
9/4/2025 19:00	44.7	7.58	342	3.37	89	6.00	5.39	12.01	0.510	0.942	84.20	0.010	113.37	130.03	45.5	1.060
9/4/2025 20:00	42.9	7.99	360	3.17	90	5.94	5.31	11.95	0.510	0.942	94.28	0.010	122.54	121.06	45.5	0.983
9/4/2025 21:00	44.7	7.82	350	3.23	90	5.92	4.93	12.21	0.510	0.942	109.41	0.010	137.30	115.26	45.5	0.932
9/4/2025 22:00	46.2	7.67	337	3.28	89	6.01	4.81	12.35	0.510	0.942	112.56	0.010	139.97	124.40	45.5	1.005
9/4/2025 23:00	47.9	7.71	331	3.31	89	6.02	4.67	12.89	0.510	0.942	145.33	0.010	172.74	133.27	45.5	1.078
9/5/2025 0:00	46.3	7.63	330	3.32	89	6.01	4.65	12.32	0.510	0.942	110.63	0.010	138.03	150.83	45.5	1.217
9/5/2025 1:00	50.0	7.47	328	3.38	89	6.07	4.34	13.03	0.510	0.942	147.26	0.010	174.69	150.25	45.5	1.221
9/5/2025 2:00	49.8	7.47	326	3.41	88	6.16	4.29	12.96	0.510	0.942	135.01	0.010	163.41	161.82	45.6	1.316
9/5/2025 3:00	48.5	7.50	328	3.43	87	6.20	4.44	12.70	0.510	0.942	112.82	0.010	140.53	158.71	45.6	1.287
9/5/2025 4:00	49.0	7.50	328	3.38	87	6.26	4.35	12.84	0.510	0.942	120.95	0.010	166.40	159.54	45.6	1.295
9/5/2025 5:00	46.3	7.50	343	3.14	87	6.23	4.28	12.33	0.510	0.942	99.28	0.010	123.45	123.45	45.6	0.999
9/5/2025 6:00	43.2	7.72	341	3.19	88	6.11	5.00	11.63	0.510	0.942	65.91	0.010	35.78	87.94	45.6	0.711
9/5/2025 7:00	46.3	7.74	341	3.18	89	6.08	5.22	12.51	0.510	0.942	123.55	0.010	70.90	53.02	45.6	0.429
9/5/2025 8:00	44.2	7.73	341	3.16	88	6.09	5.14	11.92	0.510	0.942	86.32	0.010	40.49	54.52	45.6	0.442
9/5/2025 9:00	44.0	7.81	346	3.18	88	6.11	5.81	11.99	0.510	0.942	87.69	0.010	45.83	49.05	45.6	0.398
9/5/2025 10:00	42.8	7.77	343	3.23	89	6.08	6.21	11.80	0.510	0.942	62.20	0.010	26.42	52.40	45.6	0.425
9/5/2025 11:00	43.0	7.73	342	3.25	89	6.04	6.04	11.82	0.510	0.942	62.47	0.010	28.33	49.68	45.6	0.368
9/5/2025 12:00	42.5	7.67	339	3.27	89	6.04	6.09	11.38	0.510	0.942	48.97	0.010	24.67	33.69	45.6	0.275
9/5/2025 13:00	42.9	7.67	338	3.33	89	6.03	5.75	11.48	0.510	0.942	52.49	0.010	27.21	26.64	45.6	0.217
9/5/2025 14:00	42.1	7.61	338	3.29	89	6.03	5.71	11.20	0.510	0.942	37.02	0.010	18.57	26.90	45.6	0.219
9/5/2025 15:00	42.2	7.65	341	3.31	89	6.04	5.96	11.28	0.510	0.942	39.64	0.010	22.89	23.49	45.6	0.191
9/5/2025 16:00	40.7	7.71	344	3.27	89	6.07	5.59	10.97	0.510	0.942	30.73	0.010	17.23	22.89	45.6	0.186
9/5/2025 17:00	40.2	7.78	349	3.45	90	5.99	5.99	10.82	0.510	0.942	11.89	0.010	18.45	18.45	45.6	0.147
9/5/2025 18:00	43.3	7.64	339	3.45	90	5.97	5.30	11.55	0.510	0.942	52.80	0.010	23.77	17.02	45.6	0.139
9/5/2025 19:00	42.3	7.57	332	3.42	90	5.98	5.89	11.17	0.510	0.942	31.29	0.010	17.62	17.31	45.6	0.141
9/5/2025 20:00	43.3	7.62	334	3.15	89	6.00	5.22	11.50	0.510	0.942	68.19	0.010	37.76	19.01	45.6	0.154
9/5/2025 21:00	42.7	7.58	332	3.05	89	6.05	4.77	11.29	0.510	0.942	58.59	0.010	30.73	26.38	45.6	0.215
9/5/2025 22:00	40.2	7.61	336	3.06	89	6.02	4.56	10.96	0.510	0.942	59.27	0.010	34.78	24.58	45.6	0.234
9/5/2025 23:00	44.0	7.50	327	3.15	89	6.06	5.07	11.51	0.510	0.942	65.22	0.010	32.65	34.36	45.6	0.280
9/6/2025 0:00	47.4	7.45	326	3.27	89	6.07	5.02	12.34	0.510	0.942	110.54	0.010	61.30	32.66	45.6	0.265
9/6/2025 1:00	47.6	7.46	324	3.23	89	6.07	4.83	12.38	0.510	0.942	117.32	0.010	71.31	42.85	45.6	0.349
9/6/2025 2:00	47.5	7.44	324	3.12	89	6.07	4.79	12.33	0.510	0.942	121.16	0.010	70.53	55.09	45.6	0.448
9/6/2025 3:00	47.1	7.46	326	3.03	89	6.06	4.83	12.26	0.510	0.942	122.92	0.010	72.40	67.72	45.6	0.551
9/6/2025 4:00	46.0	7.45	326	3.07	89	6.06	4.75	12.45	0.510	0.942	125.81	0.010	74.91	66.91	45.6	0.582
9/6/2025 5:00	46.0	7.43	325	2.96	89	6.06	4.79	11.94	0.510	0.942	107.09	0.010	58.28	66.62	45.6	0.543
9/6/2025 6:00	45.5	7.45	326	2.92	89	6.05	4.56	11.83	0.510	0.942	103.49	0.010	54.15	62.53	45.6	0.511
9/6/2025 7:00	44.2	7.47	326	2.99	89	6.05	4.38	11.53	0.510	0.942	78.92	0.010	38.93	56.45	45.6	0.461
9/6/2025 8:00	45.4	7.44	324	3.12	89	6.04	4.77	11.78	0.510	0.942	87.71	0.010	42.12	50.46	45.6	0.413
9/6/2025 9:00	45.6	7.44	324	3.12	89	6.02	5.24	11.82	0.510	0.942	91.16	0.010	45.17	45.17	45.6	0.367
9/6/2025 10:00	43.5	7.40	326	3.10	89	6.02	5.24	11.39	0.510	0.942	62.53	0.010	42.07	42.07	45.6	0.344
9/6/2025 11:00	43.4	7.48	328	3.04	89	6.01	5.84	11.33	0.510	0.942	65.32	0.010	25.42	38.92	45.6	0.317
9/6/2025 12:00	41.8	7.51	328	3.11	89	6.01	6.07	10.96	0.510	0.942	36.93	0.010	17.81	33.35	45.6	0.270
9/6/2025 13:00	42.6	7.50	327	3.20	89	6.00	5.58	11.14	0.510	0.942	42.98	0.010	20.73	24.23	45.6	0.196
9/6/2025 14:00	41.9	7.55	331	3.25	89	6.01	5.58	11.04	0.510	0.942	32.24	0.010	20.60	21.32	45.6	0.173
9/6/2025 15:00	42.7	7.51	329	3.41	89	6.07	5.07	11.19	0.510	0.942	29.89	0.010	19.72	16.60	45.6	0.160
9/6/2025 16:00	40.5	7.55	330	3.34	90	5.95	5.80	10.67	0.510	0.942	7.00	0.010	10.55	17.00	45.7	0.138
9/6/2025 17:00	40.7	7.56	330	3.27	90	5.94	5.87	10.74	0.510	0.942	16.67	0.010	9.40	13.60	45.7	0.110
9/6/2025 18:00	40.7	7.54	329	3.28	90	5.96	5.48	10.70	0.510	0.942	11.47	0.010	11.62	9.87	45.7	0.080
9/6/2025 19:00	40.4	7.55	331	3.24	90	5.98	5.42	10.65	0.510	0.942	10.91	0.010	12.80	10.52	45.7	0.085
9/6/2025 20:00	40.7	7.53	331	3.19	89	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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporisation Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected 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
9/9/2025 10:00	35.3	7.56	368	0.00	86	6.31	5.89	9.32	0.510	0.942	112.94	0.010	29.60	37.26	45.8	0.322
9/9/2025 11:00	32.3	7.62	375	0.00	87	6.29	5.89	8.58	0.510	0.942	68.75	0.010	7.44	33.69	45.8	0.288
9/9/2025 12:00	35.0	7.69	370	0.00	86	6.31	6.00	9.39	0.510	0.942	116.05	0.010	42.29	24.21	45.8	0.209
9/9/2025 13:00	33.1	7.67	371	0.00	87	6.29	5.73	8.87	0.510	0.942	86.48	0.010	14.65	26.44	45.8	0.227
9/9/2025 14:00	34.7	7.65	367	0.00	87	6.27	5.44	9.27	0.510	0.942	112.41	0.010	27.55	21.46	45.8	0.183
9/9/2025 15:00	33.5	7.68	367	0.00	87	6.26	6.04	8.97	0.510	0.942	95.42	0.010	21.68	28.16	45.8	0.238
9/9/2025 16:00	32.2	7.70	367	0.00	87	6.25	6.12	8.66	0.510	0.942	77.75	0.010	11.11	21.30	45.8	0.179
9/9/2025 17:00	31.8	7.69	368	0.00	87	6.25	5.23	8.54	0.510	0.942	70.54	0.010	16.46	20.32	45.8	0.169
9/9/2025 18:00	35.2	7.68	367	0.00	87	6.25	5.35	9.43	0.510	0.942	124.59	0.010	37.17	16.43	45.8	0.137
9/9/2025 19:00	37.4	7.91	383	0.00	87	6.24	5.64	10.33	0.510	0.942	171.63	0.010	74.84	21.58	45.8	0.181
9/9/2025 20:00	37.7	7.91	381	0.00	87	6.25	5.27	10.40	0.510	0.942	175.87	0.010	75.65	42.82	45.8	0.359
9/9/2025 21:00	38.3	7.91	383	0.00	87	6.25	5.22	10.55	0.510	0.942	183.75	0.010	78.18	62.55	45.8	0.524
9/9/2025 22:00	36.8	7.75	372	0.00	87	6.22	5.05	9.94	0.510	0.942	153.97	0.010	52.33	76.22	45.8	0.538
9/9/2025 23:00	36.6	7.86	371	0.00	91	6.18	5.07	10.03	0.510	0.942	161.48	0.010	68.72	68.72	45.8	0.576
9/10/2025 0:00	39.6	7.72	364	0.00	92	6.08	4.87	10.04	0.510	0.942	170.50	0.010	29.41	63.93	45.8	0.535
9/10/2025 1:00	38.5	7.75	366	0.00	92	6.08	5.65	9.81	0.510	0.942	156.77	0.010	13.04	47.67	45.8	0.399
9/10/2025 2:00	39.5	7.74	365	0.00	92	6.08	5.26	10.04	0.510	0.942	169.93	0.010	24.21	34.58	45.8	0.289
9/10/2025 3:00	40.5	7.74	365	0.00	92	6.10	5.06	10.29	0.510	0.942	184.34	0.010	28.75	22.22	45.8	0.185
9/10/2025 4:00	41.1	7.72	364	0.00	92	6.09	5.04	10.40	0.510	0.942	191.29	0.010	39.02	22.80	45.8	0.183
9/10/2025 5:00	38.3	7.65	363	0.00	90	6.09	4.89	9.61	0.510	0.942	145.19	0.010	13.79	30.66	45.8	0.255
9/10/2025 6:00	39.1	7.66	365	0.00	88	6.13	4.74	9.84	0.510	0.942	156.06	0.010	27.71	27.19	45.8	0.227
9/10/2025 7:00	36.6	7.64	363	0.00	88	6.12	4.76	9.19	0.510	0.942	118.57	0.010	5.46	26.84	45.8	0.224
9/10/2025 8:00	32.4	7.64	362	0.00	88	6.11	5.35	8.12	0.510	0.942	55.71	0.010	1.78	15.65	45.8	0.131
9/10/2025 9:00	29.8	7.59	361	0.00	89	6.08	5.90	7.43	0.510	0.942	16.56	0.010	0.00	11.65	45.8	0.097
9/10/2025 10:00	30.4	7.60	362	0.00	89	6.06	6.38	7.59	0.510	0.942	27.44	0.010	0.00	2.41	45.8	0.000
9/10/2025 11:00	31.3	7.66	367	0.00	89	6.04	6.18	7.87	0.510	0.942	44.96	0.010	0.00	0.59	45.8	0.005
9/10/2025 12:00	34.2	7.73	371	0.00	89	6.02	6.07	8.68	0.510	0.942	93.43	0.010	5.14	0.00	45.8	0.000
9/10/2025 13:00	32.2	7.68	368	0.00	89	6.01	5.82	8.12	0.510	0.942	61.81	0.010	0.75	1.71	45.8	0.014
9/10/2025 14:00	30.5	7.72	371	0.00	89	5.99	6.42	7.73	0.510	0.942	39.52	0.010	1.48	1.96	45.8	0.016
9/10/2025 15:00	30.4	7.74	369	0.00	90	5.98	7.42	7.88	0.510	0.942	50.49	0.010	0.00	3.12	45.8	0.000
9/10/2025 16:00	30.5	7.71	370	0.00	89	5.99	5.40	7.73	0.510	0.942	40.02	0.010	0.00	1.78	45.8	0.015
9/10/2025 17:00	31.0	7.67	368	0.00	89	6.03	6.18	7.79	0.510	0.942	40.78	0.010	0.00	1.53	45.7	0.013
9/10/2025 18:00	32.6	7.69	367	0.00	89	6.05	5.85	8.23	0.510	0.942	66.07	0.010	1.22	1.04	45.7	0.009
9/10/2025 19:00	30.5	7.73	368	0.00	89	6.06	5.82	7.73	0.510	0.942	35.81	0.010	0.00	0.41	45.7	0.003
9/10/2025 20:00	30.4	7.75	372	0.00	89	6.06	5.89	7.72	0.510	0.942	34.73	0.010	0.00	0.41	45.7	0.003
9/10/2025 21:00	29.4	7.82	375	0.00	89	6.04	5.89	7.54	0.510	0.942	24.88	0.010	0.00	0.81	45.7	0.003
9/10/2025 22:00	29.8	7.87	378	0.00	89	6.05	5.53	7.18	0.510	0.942	3.44	0.010	0.00	0.27	45.7	0.002
9/10/2025 23:00	28.3	8.08	383	0.00	89	6.02	5.63	7.52	0.510	0.942	24.89	0.010	1.48	0.27	45.7	0.002
9/11/2025 0:00	27.0	7.88	378	0.00	89	6.02	5.51	6.99	0.510	0.942	-4.95	0.010	0.00	0.77	45.7	0.006
9/11/2025 1:00	28.1	7.82	377	0.00	89	6.03	5.69	7.21	0.510	0.942	6.68	0.010	0.00	0.49	45.7	0.004
9/11/2025 2:00	28.2	7.82	377	0.00	89	6.03	5.49	7.01	0.510	0.942	6.96	0.010	0.00	0.49	45.7	0.004
9/11/2025 3:00	29.4	7.78	375	0.00	89	6.06	5.23	7.59	0.510	0.942	21.53	0.010	0.00	0.03	45.7	0.000
9/11/2025 4:00	27.8	7.85	378	0.00	89	6.06	5.50	7.16	0.510	0.942	1.94	0.010	0.00	0.03	45.7	0.000
9/11/2025 5:00	28.3	7.82	376	0.00	89	6.07	5.46	7.27	0.510	0.942	8.03	0.010	0.15	0.03	45.7	0.000
9/11/2025 6:00	29.1	7.88	383	0.00	89	6.08	5.25	7.52	0.510	0.942	21.83	0.010	0.00	0.06	45.7	0.001
9/11/2025 7:00	29.5	7.84	382	0.00	89	6.07	5.12	7.58	0.510	0.942	24.89	0.010	0.07	0.05	45.7	0.000
9/11/2025 8:00	30.9	7.79	380	0.00	89	6.07	5.67	7.93	0.510	0.942	44.48	0.010	0.07	0.47	45.7	0.001
9/11/2025 9:00	30.9	7.80	385	0.00	89	6.05	6.31	7.91	0.510	0.942	45.07	0.010	0.00	0.29	45.7	0.002
9/11/2025 10:00	29.7	7.84	389	0.00	89	6.01	6.58	7.64	0.510	0.942	32.38	0.010	0.00	0.29	45.7	0.002
9/11/2025 11:00	30.9	7.85	390	0.00	90	5.94	6.49	7.96	0.510	0.942	54.46	0.010	1.00	0.27	45.7	0.002
9/11/2025 12:00	34.1	7.39	345	0.01	90	5.95	6.20	8.26	0.510	0.942	78.15	0.010	5.12	0.33	45.7	0.003
9/11/2025 13:00	36.7	7.06	331	0.01	90	5.95	6.24	8.50	0.510	0.942	96.66	0.010	2.98	2.04	45.7	0.017
9/11/2025 14:00	37.4	7.07	334	0.01	90	5.92	6.43	8.45	0.510	0.942	94.43	0.010	3.54	3.03	45.7	0.013
9/11/2025 15:00	33.8	7.09	335	0.01	90	5.92	7.49	7.87	0.510	0.942	57.18	0.010	0.00	3.88	45.7	0.033
9/11/2025 16:00	34.4	7.01	330	0.01	90	5.93	6.44	7.93	0.510	0.942	60.88	0.010	0.00	2.17	45.7	0.018
9/11/2025 17:00	33.8	7.09	335	0.01	90	5.94	6.11	7.87	0.510	0.942	55.64	0.010	0.00	1.18	45.7	0.010
9/11/2025 18:00	34.8	7.22	350	0.01	90	5.95	5.44	8.25	0.510	0.942	76.52	0.010	1.26	0.00	45.7	0.000
9/11/2025 19:00	37.5	7.03	341	0.01	90	5.92	6.98	8.65	0.510	0.942	89.63	0.010	4.03	0.42	45.7	0.034
9/11/2025 20:00	36.2	7.23	353	0.00	90	5.94	6.00	8.69	0.510	0.942	97.84	0.010	2.06	2.06	45.7	0.018
9/11/2025 21:00	36.1	7.23	344	0.00	90	5.91	5.53	8.55	0.510	0.942	99.24	0.010	5.64	3.42	45.7	0.029
9/11/2025 22:00	35.0	7.22	334	0.00	90	5.93	5.42	8.30	0.510	0.942	83.80	0.010	3.33	4.88	45.7	0.042
9/11/2025 23:00	35.0	7.22	332	0.00	90	5.93	5.34	8.30	0.510	0.942	84.65	0.010	2.69	4.35	45.7	0.037
9/12/2025 0:00	33.5	7.37	346	0.00	90	5.94	5.34	8.09	0.510	0.942	68.33	0.010	1.41	3.89	45.7	0.033
9/12/2025 1:00	34.5	7.31	341	0.01	90	5.95	6.29	8.29	0.510	0.942	80.19	0.010	1.87	4.48	45.7	0.037
9/12/2025 2:00	34.1	7.26	337	0.00	90	5.96	5.25	8.12	0.510	0.942	70.69	0.010	0.72	1.99	45.7	0.017
9/12/2025 3:00	33.4	7.52	353	0.00	88	6.10	5.10	8.25	0.510	0.942	65.57	0.010	2.20	1.33	45.7	0.011
9/12/2025 4:00	33.1	7.52	351	0.00	87	6.24	4.95	8.16	0.510	0.942	50.56	0.010	0.00	1.60	45.6	0.013
9/12/2025 5:00	35.3	7.40	342	0.00	87	6.23	4.92	8.55	0.510	0.942	77.22	0.010	4.43	0.97	45.6	0.008
9/12/2025 6:00	41.6	7.18	328	0.00	87	6.14	4.71	9.68	0.510	0.942	144.48	0.010	2.21	2.21	45.6	0.148
9/12/2025 7:00	41.6	7.07	320													

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 Hydrabond/Platformer feed heaters, the SO2 emissions are estimated using the measured average fuel gas flow rate and the supported H2S concentration in the Fuel Gas.

Date and Time	North Stack SO2	North Stack Flow	Boiler # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # 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
9/14/2025 20:00	35.4	6.97	309	0.00	90	5.99	0.09	8.10	0.510	0.942	70.57	0.010	0.10	1.27	45.6	0.010
9/14/2025 21:00	34.4	7.20	320	0.00	89	6.03	0.10	8.13	0.510	0.942	67.99	0.010	1.60	1.01	45.6	0.008
9/14/2025 22:00	35.2	7.29	324	0.00	89	6.04	0.09	8.41	0.510	0.942	84.20	0.010	5.98	1.21	45.6	0.010
9/14/2025 23:00	36.7	7.17	324	0.00	89	6.06	0.08	8.62	0.510	0.942	96.52	0.010	5.37	2.56	45.6	0.020
9/15/2025 0:00	36.9	7.23	329	0.00	89	6.04	0.09	8.75	0.496	0.943	116.18	0.010	6.66	4.31	45.6	0.034
9/15/2025 1:00	36.8	7.22	328	0.00	89	6.00	0.08	8.72	0.496	0.943	117.21	0.010	5.74	6.00	45.6	0.048
9/15/2025 2:00	37.3	7.14	321	0.00	89	6.01	0.08	8.73	0.496	0.943	119.87	0.010	6.22	5.92	45.6	0.047
9/15/2025 3:00	38.2	7.20	328	0.00	89	6.02	0.07	9.27	0.496	0.943	152.04	0.010	22.43	6.21	45.6	0.050
9/15/2025 4:00	41.2	7.25	330	0.00	89	5.99	0.06	9.70	0.496	0.943	185.84	0.010	4.25	11.46	45.6	0.092
9/15/2025 5:00	40.3	7.25	330	0.00	90	5.94	0.05	9.59	0.496	0.943	177.03	0.010	8.75	10.96	45.6	0.088
9/15/2025 6:00	44.2	7.32	330	0.00	90	5.92	0.05	10.55	0.496	0.943	238.67	0.010	25.51	11.81	45.6	0.095
9/15/2025 7:00	40.6	7.28	335	0.00	90	5.94	0.06	9.77	0.496	0.943	185.74	0.010	10.22	12.84	45.6	0.103
9/15/2025 8:00	36.5	7.57	350	0.00	90	5.97	0.07	9.05	0.496	0.943	133.88	0.010	1.26	14.83	45.6	0.119
9/15/2025 9:00	36.1	7.34	335	0.00	89	6.03	0.08	8.70	0.496	0.943	112.09	0.010	2.11	12.33	45.6	0.099
9/15/2025 10:00	34.6	7.35	332	0.00	88	6.08	0.09	8.34	0.496	0.943	86.76	0.010	0.66	4.53	45.6	0.036
9/15/2025 11:00	31.8	7.67	354	0.00	88	6.12	0.10	8.01	0.496	0.943	59.91	0.010	0.00	1.34	45.6	0.011
9/15/2025 12:00	34.9	7.54	346	0.00	88	6.11	0.09	8.62	0.496	0.943	99.67	0.010	1.67	0.92	45.6	0.007
9/15/2025 13:00	34.1	7.38	340	0.00	88	6.12	0.10	8.26	0.496	0.943	77.97	0.010	0.13	0.78	45.6	0.006
9/15/2025 14:00	34.8	7.16	326	0.00	88	6.18	0.10	8.19	0.496	0.943	75.90	0.010	0.08	0.40	45.6	0.005
9/15/2025 15:00	34.9	7.12	321	0.00	88	6.10	0.09	8.15	0.496	0.943	75.34	0.010	0.00	0.45	45.6	0.005
9/15/2025 16:00	34.2	7.18	325	0.00	88	6.12	0.10	8.06	0.496	0.943	67.79	0.010	0.00	0.04	45.6	0.000
9/15/2025 17:00	36.5	7.14	323	0.00	88	6.13	0.10	8.55	0.496	0.943	99.33	0.010	0.00	0.00	45.6	0.000
9/15/2025 18:00	38.7	7.20	327	0.00	88	6.16	0.09	9.15	0.496	0.943	134.44	0.010	1.94	0.00	45.6	0.000
9/15/2025 19:00	37.0	7.15	327	0.00	87	6.19	0.09	8.69	0.496	0.943	102.81	0.010	0.00	0.65	45.6	0.005
9/15/2025 20:00	35.6	7.26	331	0.00	88	6.18	0.09	8.49	0.496	0.943	88.99	0.010	0.00	0.39	45.6	0.005
9/15/2025 21:00	36.1	7.30	338	0.00	87	6.26	0.08	8.65	0.496	0.943	92.84	0.010	1.16	0.65	45.6	0.005
9/15/2025 22:00	41.1	7.10	327	0.00	87	6.26	0.08	9.38	0.496	0.943	154.60	0.010	4.10	0.39	45.6	0.003
9/15/2025 23:00	38.7	7.19	330	0.00	87	6.27	0.07	9.12	0.496	0.943	124.03	0.010	1.07	1.75	45.6	0.014
9/16/2025 0:00	39.8	7.12	326	0.00	87	6.28	0.07	9.30	0.496	0.943	135.94	0.010	4.40	2.11	45.6	0.017
9/16/2025 1:00	38.9	7.16	329	0.00	89	6.30	0.08	9.10	0.496	0.943	120.90	0.010	0.56	3.19	45.6	0.016
9/16/2025 2:00	38.5	7.16	331	0.00	86	6.32	0.07	9.06	0.496	0.943	116.31	0.010	0.88	2.01	45.6	0.016
9/16/2025 3:00	37.0	7.26	338	0.00	86	6.33	0.06	8.82	0.496	0.943	98.55	0.010	0.50	1.95	45.6	0.016
9/16/2025 4:00	36.5	7.23	334	0.00	86	6.33	0.05	8.67	0.496	0.943	89.58	0.010	0.00	0.65	45.6	0.005
9/16/2025 5:00	36.5	7.30	337	0.00	86	6.35	0.05	8.74	0.496	0.943	91.85	0.010	0.00	0.46	45.6	0.004
9/16/2025 6:00	40.4	7.36	342	0.00	86	6.39	0.05	9.77	0.496	0.943	152.48	0.010	2.99	0.17	45.6	0.001
9/16/2025 7:00	37.2	7.55	354	0.00	86	6.39	0.05	9.72	0.496	0.943	144.06	0.010	1.00	0.40	45.6	0.008
9/16/2025 8:00	35.1	7.55	354	0.00	85	6.38	0.08	9.67	0.496	0.943	143.43	0.010	0.75	2.03	45.6	0.016
9/16/2025 9:00	40.8	7.44	347	0.00	85	6.42	0.11	9.98	0.496	0.943	161.75	0.010	3.39	2.28	45.6	0.018
9/16/2025 10:00	40.4	7.21	329	0.00	86	6.38	0.09	9.56	0.496	0.943	144.43	0.010	1.96	2.41	45.6	0.019
9/16/2025 11:00	39.3	7.14	323	0.00	86	6.32	0.11	9.21	0.496	0.943	127.46	0.010	0.80	2.03	45.6	0.016
9/16/2025 12:00	39.6	7.10	320	0.00	86	6.30	0.12	9.63	0.496	0.943	140.23	0.010	0.80	2.03	45.6	0.016
9/16/2025 13:00	38.4	7.13	324	0.00	88	6.13	0.12	8.98	0.496	0.943	126.66	0.010	0.66	3.66	45.6	0.029
9/16/2025 14:00	38.6	7.12	324	0.00	87	6.19	0.08	9.03	0.496	0.943	125.71	0.010	0.37	3.22	45.6	0.025
9/16/2025 15:00	37.6	7.11	328	0.00	88	6.18	0.11	8.76	0.496	0.943	107.39	0.010	0.11	3.08	45.6	0.025
9/16/2025 16:00	37.6	7.10	325	0.00	87	6.24	0.12	8.77	0.496	0.943	104.64	0.010	0.00	0.38	45.6	0.003
9/16/2025 17:00	37.0	7.16	331	0.00	87	6.24	0.03	8.69	0.496	0.943	97.86	0.010	0.00	0.16	45.6	0.001
9/16/2025 18:00	36.5	7.18	330	0.00	87	6.24	0.05	8.66	0.496	0.943	94.42	0.010	3.62	0.04	45.6	0.000
9/16/2025 19:00	37.1	7.12	330	0.00	87	6.25	0.01	8.68	0.496	0.943	96.97	0.010	0.00	1.21	45.6	0.010
9/16/2025 20:00	40.2	7.15	334	0.00	87	6.26	0.00	9.43	0.496	0.943	142.81	0.010	1.14	1.21	45.6	0.010
9/16/2025 21:00	40.7	7.30	334	0.00	87	6.30	-0.01	9.74	0.496	0.943	159.90	0.010	2.96	1.59	45.6	0.013
9/16/2025 22:00	40.2	7.42	355	0.00	86	6.32	-0.02	9.80	0.496	0.943	154.63	0.010	0.20	1.37	45.6	0.011
9/16/2025 23:00	40.3	7.19	338	0.00	87	6.28	-0.03	9.49	0.496	0.943	144.65	0.010	2.11	1.44	45.6	0.010
9/17/2025 0:00	43.8	7.37	340	0.00	87	6.28	-0.03	9.30	0.496	0.943	139.64	0.010	1.75	1.75	45.6	0.014
9/17/2025 1:00	42.2	7.28	346	0.00	87	6.28	-0.04	10.07	0.496	0.943	177.33	0.010	7.57	1.47	45.6	0.038
9/17/2025 2:00	40.7	7.31	348	0.00	87	6.29	-0.04	9.76	0.496	0.943	156.86	0.010	2.70	7.20	45.6	0.058
9/17/2025 3:00	40.1	7.12	332	0.00	87	6.27	-0.04	9.37	0.496	0.943	139.47	0.010	0.47	7.39	45.6	0.060
9/17/2025 4:00	41.2	6.99	323	0.00	87	6.25	-0.04	9.44	0.496	0.943	147.71	0.010	3.80	3.58	45.6	0.029
9/17/2025 5:00	42.4	6.94	321	0.00	87	6.26	-0.02	9.62	0.496	0.943	159.64	0.010	5.29	4.25	45.6	0.019
9/17/2025 6:00	42.5	7.05	328	0.00	87	6.25	-0.05	9.83	0.496	0.943	171.19	0.010	18.91	3.19	45.6	0.025
9/17/2025 7:00	37.5	7.10	332	0.00	87	6.24	-0.05	8.72	0.496	0.943	100.32	0.010	0.33	9.33	45.6	0.076
9/17/2025 8:00	36.6	7.08	330	0.00	88	6.20	-0.04	8.51	0.496	0.943	90.15	0.010	0.00	8.18	45.6	0.067
9/17/2025 9:00	37.8	7.03	327	0.00	88	6.17	-0.03	8.72	0.496	0.943	105.36	0.010	0.59	6.41	45.6	0.052
9/17/2025 10:00	39.0	7.03	330	0.00	89	6.07	-0.02	9.00	0.496	0.943	129.99	0.010	0.50	0.31	45.6	0.002
9/17/2025 11:00	42.1	7.04	322	0.00	87	6.04	-0.02	9.68	0.496	0.943	168.02	0.010	0.36	0.43	45.6	0.003
9/17/2025 12:00	30.8	7.14	332	0.00	123	4.06	-0.02	7.17	0.496	0.943	147.18	0.010	6.06	0.84	45.6	0.007
9/17/2025 13:00	38.7	7.04	324	0.00	92	6.24	-0.02	8.94	0.496	0.943	114.79	0.010	0.14	2.66	45.6	0.022
9/17/2025 14:00	37.7	7.01	325	0.00	94	6.02	-0.01	8.67	0.496	0.943	112.76	0.010	0.86	2.54	45.6	0.021
9/17/2025 15:00	35.8	6.99	329	0.00	90	5.96	-0.01	8.22	0.496	0.943	88.15	0.010	0.00	2.35	45.6	0.019
9/17/2025 16:00	35.9	6.91	325	0.00	90	5.90	-0.01	8.15	0.496	0.943	89.43	0.010	0.00	0.33	45.6	0.003
9/17/2025 17:00	36.1	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 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Oil	Boiler 13 Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected 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
9/20/2025 6:00	24.4	7.83	350	0.00	136	3.99	4.26	6.26	0.496	0.943	93.76	0.010	23.14	14.44	45.6	0.117
9/20/2025 7:00	23.6	7.83	350	0.00	136	3.98	4.58	6.07	0.496	0.943	83.61	0.010	18.69	15.69	45.6	0.152
9/20/2025 8:00	22.5	7.83	349	0.00	136	3.98	4.58	5.77	0.496	0.943	67.19	0.010	12.10	16.15	45.6	0.131
9/20/2025 9:00	22.8	7.85	350	0.00	136	3.98	4.68	5.88	0.496	0.943	73.00	0.010	13.58	14.95	45.6	0.122
9/20/2025 10:00	21.0	7.84	350	0.00	136	3.98	4.90	5.41	0.496	0.943	46.96	0.010	16.27	11.76	45.6	0.095
9/20/2025 11:00	23.1	7.84	350	0.00	136	3.99	5.46	5.95	0.496	0.943	76.42	0.010	16.42	13.98	45.6	0.113
9/20/2025 12:00	25.1	7.83	348	0.00	136	3.98	5.80	6.45	0.496	0.943	104.92	0.010	43.12	15.42	45.6	0.124
9/20/2025 13:00	25.6	7.86	348	0.00	136	3.98	5.66	6.59	0.496	0.943	122.86	0.010	28.96	23.27	45.6	0.204
9/20/2025 14:00	27.1	7.85	350	0.00	136	3.98	5.34	6.97	0.496	0.943	133.90	0.010	49.02	29.47	45.6	0.237
9/20/2025 15:00	26.6	7.83	350	0.00	136	3.99	5.25	6.85	0.496	0.943	126.70	0.010	41.11	40.33	45.6	0.324
9/20/2025 16:00	27.4	7.79	347	0.00	136	4.01	5.68	7.01	0.496	0.943	134.77	0.010	47.66	39.67	45.6	0.318
9/20/2025 17:00	26.2	7.79	348	0.00	136	4.01	5.47	6.70	0.496	0.943	117.11	0.010	34.03	45.93	45.6	0.368
9/20/2025 18:00	29.6	7.73	344	0.00	136	4.02	5.25	7.51	0.496	0.943	162.80	0.010	71.70	40.93	45.6	0.329
9/20/2025 19:00	26.3	7.72	343	0.00	136	4.03	5.07	6.67	0.496	0.943	115.52	0.010	41.60	51.05	45.6	0.410
9/20/2025 20:00	26.3	7.70	341	0.00	136	4.03	4.81	6.65	0.496	0.943	114.75	0.010	31.01	49.03	45.6	0.394
9/20/2025 21:00	26.1	7.74	342	0.00	136	4.02	4.67	6.64	0.496	0.943	114.20	0.010	33.77	48.03	45.6	0.384
9/20/2025 22:00	28.6	7.81	347	0.00	136	4.02	4.58	7.34	0.496	0.943	152.51	0.010	63.51	35.46	45.6	0.283
9/20/2025 23:00	26.9	8.08	351	0.00	136	4.01	4.95	7.14	0.496	0.943	140.23	0.010	56.31	42.76	45.6	0.341
9/21/2025 0:00	30.8	7.65	344	0.00	136	4.02	4.99	7.71	0.496	0.943	174.40	0.010	83.48	51.20	45.6	0.407
9/21/2025 1:00	29.3	7.84	348	0.00	136	4.01	4.39	7.54	0.496	0.943	163.42	0.010	72.77	67.75	45.6	0.538
9/21/2025 2:00	28.9	7.64	344	0.00	136	4.01	4.87	7.24	0.496	0.943	148.08	0.010	58.45	70.84	45.6	0.563
9/21/2025 3:00	28.8	7.59	340	0.00	136	4.01	5.17	7.18	0.496	0.943	146.04	0.010	55.74	71.55	45.6	0.571
9/21/2025 4:00	29.2	7.60	340	0.00	136	4.02	4.92	7.30	0.496	0.943	152.29	0.010	60.98	62.32	45.6	0.498
9/21/2025 5:00	27.9	7.63	342	0.00	136	4.02	4.81	6.98	0.496	0.943	133.76	0.010	42.21	58.39	45.6	0.467
9/21/2025 6:00	29.0	7.54	337	0.00	136	4.02	4.99	7.18	0.496	0.943	146.41	0.010	61.68	52.38	45.6	0.422
9/21/2025 7:00	28.6	7.53	336	0.00	136	4.02	5.10	7.07	0.496	0.943	140.03	0.010	65.86	54.94	45.7	0.437
9/21/2025 8:00	23.0	7.56	339	0.00	136	4.03	5.45	5.70	0.496	0.943	61.57	0.010	7.98	56.57	45.7	0.448
9/21/2025 9:00	22.7	7.53	335	0.00	136	4.03	5.96	5.62	0.496	0.943	57.27	0.010	8.31	45.16	45.7	0.357
9/21/2025 10:00	22.8	7.56	337	0.00	136	4.03	6.20	5.66	0.496	0.943	59.54	0.010	6.08	27.38	45.7	0.216
9/21/2025 11:00	24.0	7.54	334	0.00	136	4.03	6.11	5.79	0.496	0.943	67.15	0.010	7.34	7.46	45.7	0.059
9/21/2025 12:00	23.1	7.60	338	0.00	136	4.02	6.13	5.77	0.496	0.943	66.41	0.010	17.12	7.91	45.7	0.062
9/21/2025 13:00	22.6	7.61	340	0.00	136	4.01	5.78	5.64	0.496	0.943	58.86	0.010	10.84	10.85	45.7	0.085
9/21/2025 14:00	22.8	7.61	342	0.00	136	4.00	5.51	5.70	0.496	0.943	62.48	0.010	9.15	12.43	45.7	0.097
9/21/2025 15:00	22.3	7.64	342	0.00	136	4.00	6.78	5.59	0.496	0.943	56.72	0.010	4.78	12.37	45.7	0.097
9/21/2025 16:00	21.3	7.64	342	0.00	136	4.00	6.35	5.33	0.496	0.943	42.05	0.010	3.50	8.26	45.7	0.064
9/21/2025 17:00	22.7	7.64	341	0.00	136	4.00	5.12	5.69	0.496	0.943	54.69	0.010	5.81	12.83	45.7	0.045
9/21/2025 18:00	22.7	7.67	341	0.00	137	4.00	5.12	6.97	0.496	0.943	134.45	0.010	46.23	70.43	45.7	0.055
9/21/2025 19:00	30.4	7.65	330	0.00	145	3.99	5.41	7.64	0.496	0.943	173.85	0.010	80.33	21.03	45.7	0.164
9/21/2025 20:00	30.2	7.64	328	0.00	145	3.99	5.95	7.57	0.496	0.943	171.13	0.010	77.26	46.64	45.7	0.363
9/21/2025 21:00	27.0	7.58	323	0.00	145	3.99	5.69	6.70	0.496	0.943	122.67	0.010	36.90	68.12	45.7	0.530
9/21/2025 22:00	26.1	7.61	322	0.00	145	3.98	5.38	6.22	0.496	0.943	112.30	0.010	33.79	64.83	45.7	0.503
9/21/2025 23:00	26.7	7.60	321	0.00	145	4.00	5.31	6.66	0.496	0.943	120.51	0.010	38.51	48.83	45.7	0.381
9/22/2025 0:00	25.7	7.68	324	0.00	145	3.99	5.25	6.49	0.496	0.943	110.06	0.010	33.46	35.91	45.7	0.279
9/22/2025 1:00	26.0	7.61	322	0.00	145	4.01	5.52	6.48	0.496	0.943	109.01	0.010	29.54	34.77	45.7	0.220
9/22/2025 2:00	24.9	7.60	323	0.00	145	4.03	5.26	6.21	0.496	0.943	91.57	0.010	16.84	33.84	45.7	0.262
9/22/2025 3:00	24.4	7.56	320	0.00	145	4.03	5.52	6.06	0.496	0.943	83.15	0.010	14.78	26.61	45.7	0.207
9/22/2025 4:00	24.1	7.63	323	0.00	145	4.03	5.46	6.09	0.496	0.943	81.14	0.010	16.39	26.99	45.7	0.159
9/22/2025 5:00	25.5	7.60	323	0.00	145	4.03	1.61	6.36	0.496	0.943	99.75	0.010	23.86	15.19	45.7	0.127
9/22/2025 6:00	25.2	7.60	325	0.00	145	4.02	0.08	6.29	0.496	0.943	95.26	0.010	24.38	18.53	45.7	0.146
9/22/2025 7:00	25.7	7.61	331	0.00	145	4.03	-0.03	6.43	0.496	0.943	101.45	0.010	32.51	21.73	45.7	0.170
9/22/2025 8:00	23.8	7.60	335	0.00	145	4.03	-0.03	5.93	0.496	0.943	72.69	0.010	76.83	26.91	45.7	0.211
9/22/2025 9:00	25.2	7.46	323	0.00	145	4.03	-0.03	6.17	0.496	0.943	88.87	0.010	108.66	44.57	45.7	0.351
9/22/2025 10:00	24.3	7.60	314	0.00	136	3.99	-0.03	5.73	0.496	0.943	73.24	0.010	85.98	45.77	45.7	0.574
9/22/2025 11:00	21.0	7.94	367	0.00	136	3.99	-0.03	5.45	0.496	0.943	47.07	0.010	68.39	90.49	45.8	0.719
9/22/2025 12:00	21.8	7.63	344	0.00	136	4.00	-0.03	5.45	0.496	0.943	48.25	0.010	69.69	87.68	45.8	0.697
9/22/2025 13:00	22.4	7.57	340	0.00	136	3.98	-0.03	5.58	0.496	0.943	57.03	0.010	77.97	74.68	45.8	0.592
9/22/2025 14:00	26.6	7.29	319	0.00	136	3.98	-0.02	6.37	0.496	0.943	106.06	0.010	125.85	72.01	45.8	0.567
9/22/2025 15:00	24.1	7.28	316	0.00	136	3.98	-0.02	5.67	0.496	0.943	70.87	0.010	91.56	91.17	45.8	0.719
9/22/2025 16:00	22.7	7.28	316	0.00	136	3.97	-0.02	5.67	0.496	0.943	65.51	0.010	98.46	98.46	45.8	0.782
9/22/2025 17:00	22.6	7.25	314	0.00	136	3.97	-0.02	5.37	0.496	0.943	48.26	0.010	72.60	101.46	45.8	0.809
9/22/2025 18:00	21.7	7.24	315	0.00	136	3.97	-0.02	5.15	0.496	0.943	35.62	0.010	57.84	83.71	45.8	0.663
9/22/2025 19:00	21.6	7.24	314	0.00	136	3.98	-0.03	5.13	0.496	0.943	33.92	0.010	58.56	72.47	45.8	0.572
9/22/2025 20:00	21.4	7.27	317	0.00	136	3.99	-0.03	5.09	0.496	0.943	30.32	0.010	53.63	63.00	45.8	0.496
9/22/2025 21:00	21.0	7.21	317	0.00	136	3.98	-0.03	5.03	0.496	0.943	27.14	0.010	51.26	56.68	45.8	0.466
9/22/2025 22:00	23.6	7.28	317	0.00	136	3.97	-0.03	5.63	0.496	0.943	63.44	0.010	84.76	54.49	45.9	0.429
9/22/2025 23:00	22.1	7.29	317	0.00	136	3.97	-0.03	5.28	0.496	0.943	42.80	0.010	65.15	63.22	45.9	0.506
9/23/2025 0:00	24.0	7.49	321	0.00	136	3.95	-0.03	5.90	0.496	0.943	80.02	0.010	100.64	67.06	45.9	0.541
9/23/2025 1:00	23.1	7.36	318	0.00	136	3.95	-0.03	5.58	0.496	0.943	61.64	0.010	83.85	83.52	45.9	0.684
9/23/2025 2:00	23.3	7.35	317	0.00	136</											

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 # Fuel Gas	Boiler # Fuel Oil	Boiler # Fuel Gas	Boiler # Fuel Oil	LPG Vaporization Rate	Total Boilers Sulfur Emission	LRF Sulfur 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
9/25/2025 16:00	22.9	6.91	267	0.00	151	3.83	5.02	5.19	0.496	0.943	51.68	0.010	72.49	86.80	46.6	0.718
9/25/2025 17:00	23.1	7.13	282	0.00	151	3.83	5.29	5.40	0.496	0.943	63.07	0.010	84.70	84.10	46.6	0.699
9/25/2025 18:00	23.9	7.11	280	0.00	151	3.83	5.86	5.58	0.496	0.943	74.39	0.010	98.96	81.14	46.6	0.675
9/25/2025 19:00	23.5	7.10	281	0.00	151	3.83	5.76	5.48	0.496	0.943	68.28	0.010	90.66	84.05	46.6	0.697
9/25/2025 20:00	23.7	6.98	271	0.00	151	3.83	5.69	5.42	0.496	0.943	65.94	0.010	86.73	90.11	46.6	0.747
9/25/2025 21:00	25.5	7.04	266	0.00	151	3.83	5.52	5.89	0.496	0.943	97.15	0.010	116.95	90.78	46.7	0.752
9/25/2025 22:00	25.8	7.00	267	0.00	151	3.83	5.61	5.92	0.496	0.943	98.90	0.010	118.69	98.11	46.7	0.816
9/25/2025 23:00	24.8	7.00	272	0.00	151	3.84	5.38	5.76	0.496	0.943	86.66	0.010	106.46	107.46	46.7	0.891
9/26/2025 0:00	26.1	7.12	276	0.00	151	3.83	5.40	6.41	0.496	0.943	107.12	0.010	126.91	114.03	46.7	0.947
9/26/2025 1:00	26.0	7.16	281	0.00	151	3.85	5.20	6.11	0.496	0.943	106.02	0.010	125.82	117.35	46.7	0.978
9/26/2025 2:00	25.3	7.04	277	0.00	151	3.85	5.35	5.85	0.496	0.943	90.73	0.010	110.53	119.73	46.7	1.000
9/26/2025 3:00	27.6	6.87	265	0.00	151	3.85	5.20	6.23	0.496	0.943	118.07	0.010	137.87	121.09	46.7	1.013
9/26/2025 4:00	27.0	6.95	271	0.00	151	3.86	5.10	6.16	0.496	0.943	111.24	0.010	131.57	124.74	46.8	1.047
9/26/2025 5:00	27.0	6.91	269	0.00	151	3.87	5.01	6.12	0.496	0.943	108.80	0.010	129.65	126.66	46.8	1.062
9/26/2025 6:00	28.5	6.95	272	0.00	151	3.87	5.21	6.50	0.496	0.943	132.32	0.010	152.11	133.03	46.8	1.118
9/26/2025 7:00	26.1	6.93	271	0.00	151	3.86	5.06	5.94	0.496	0.943	96.71	0.010	116.50	137.78	46.8	1.159
9/26/2025 8:00	28.8	6.69	253	0.00	144	4.60	5.18	6.31	0.496	0.943	70.83	0.010	91.75	132.75	46.8	1.126
9/26/2025 9:00	28.0	6.71	256	0.00	146	4.39	5.55	6.17	0.496	0.943	76.36	0.010	96.36	120.12	46.8	1.020
9/26/2025 10:00	26.7	6.74	259	0.00	149	4.15	5.91	6.05	0.496	0.943	74.79	0.010	101.56	101.54	46.8	0.863
9/26/2025 11:00	29.8	6.85	268	0.00	143	4.68	6.03	6.70	0.496	0.943	88.06	0.010	109.01	96.57	46.9	0.817
9/26/2025 12:00	20.2	6.93	277	0.00	157	3.21	6.03	4.59	0.496	0.943	56.42	0.010	76.22	102.33	46.9	0.867
9/26/2025 13:00	19.0	6.93	263	0.00	165	2.73	6.16	4.31	0.496	0.943	74.18	0.010	95.17	95.61	46.9	0.808
9/26/2025 14:00	16.8	7.67	321	0.01	168	2.57	6.83	4.21	0.496	0.943	70.52	0.010	91.17	93.46	46.9	0.787
9/26/2025 15:00	14.5	8.13	358	0.01	169	2.50	9.03	3.86	0.496	0.943	51.08	0.010	73.94	87.52	46.9	0.739
9/26/2025 16:00	14.0	8.16	356	0.01	168	2.58	6.75	3.74	0.496	0.943	40.30	0.010	62.29	86.76	46.9	0.729
9/26/2025 17:00	14.7	8.13	356	0.01	167	2.67	6.52	3.92	0.496	0.943	43.89	0.010	65.37	75.77	46.9	0.626
9/26/2025 18:00	16.2	8.04	352	0.01	167	2.67	5.65	4.29	0.496	0.943	63.40	0.010	83.25	67.17	46.9	0.547
9/26/2025 19:00	18.1	7.70	333	0.01	167	2.71	6.04	4.58	0.496	0.943	78.86	0.010	98.65	70.27	46.9	0.575
9/26/2025 20:00	18.2	7.62	328	0.01	166	2.75	6.17	4.55	0.496	0.943	76.45	0.010	97.22	82.42	46.9	0.686
9/26/2025 21:00	18.4	7.64	331	0.00	167	2.72	5.91	4.59	0.496	0.943	74.79	0.010	93.04	86.19	46.9	0.779
9/26/2025 22:00	18.9	7.81	329	0.00	166	2.75	5.83	4.83	0.496	0.943	91.01	0.010	111.36	94.09	47.0	0.790
9/26/2025 23:00	19.1	7.79	328	0.00	166	2.73	5.81	4.88	0.496	0.943	95.20	0.010	115.41	98.92	47.0	0.833
9/27/2025 0:00	21.1	7.77	327	0.00	167	2.73	5.71	5.39	0.496	0.943	123.50	0.010	143.30	104.99	47.0	0.883
9/27/2025 1:00	19.3	7.83	328	0.00	166	2.73	5.56	4.96	0.496	0.943	99.87	0.010	119.66	123.35	47.0	1.055
9/27/2025 2:00	20.6	7.82	329	0.00	166	2.75	5.66	5.28	0.496	0.943	116.01	0.010	135.80	126.12	47.0	1.066
9/27/2025 3:00	20.4	7.82	327	0.00	167	2.80	5.91	5.19	0.496	0.943	122.73	0.010	139.84	122.93	47.0	1.028
9/27/2025 4:00	21.4	7.83	326	0.00	166	2.80	5.73	5.49	0.496	0.943	125.91	0.010	144.91	128.77	47.0	1.079
9/27/2025 5:00	19.9	7.84	331	0.00	166	2.80	5.81	5.12	0.496	0.943	103.98	0.010	123.78	137.19	47.1	1.153
9/27/2025 6:00	21.8	7.74	329	0.00	166	2.80	5.47	5.54	0.496	0.943	127.02	0.010	146.81	133.18	47.1	1.115
9/27/2025 7:00	23.0	7.74	332	0.00	166	2.78	5.61	5.84	0.496	0.943	143.88	0.010	163.92	138.50	47.1	1.158
9/27/2025 8:00	21.7	7.73	327	0.00	166	2.78	5.60	4.44	0.496	0.943	109.48	0.010	124.98	144.83	47.1	1.098
9/27/2025 9:00	16.8	7.71	328	0.00	166	2.74	5.92	4.20	0.496	0.943	60.02	0.010	81.80	133.54	47.1	1.120
9/27/2025 10:00	17.2	7.73	327	0.00	166	2.73	6.39	4.37	0.496	0.943	67.73	0.010	87.93	111.87	47.1	0.938
9/27/2025 11:00	16.9	7.70	330	0.00	167	2.67	6.29	4.26	0.496	0.943	65.18	0.010	86.64	86.54	47.1	0.715
9/27/2025 12:00	18.3	7.83	348	0.00	163	3.13	6.02	4.72	0.496	0.943	58.95	0.010	83.16	85.45	47.1	0.727
9/27/2025 13:00	23.1	7.83	347	0.00	152	4.30	6.14	5.94	0.496	0.943	55.27	0.010	78.20	85.91	47.1	0.740
9/27/2025 14:00	17.7	7.72	338	0.00	161	3.13	5.91	4.49	0.496	0.943	49.88	0.010	70.14	82.66	47.1	0.714
9/27/2025 15:00	16.6	7.86	336	0.01	164	3.00	6.70	4.27	0.496	0.943	44.86	0.010	68.53	77.17	47.1	0.640
9/27/2025 16:00	14.3	7.89	343	0.01	168	2.56	6.63	3.69	0.496	0.943	39.48	0.010	62.94	72.29	47.1	0.581
9/27/2025 17:00	15.1	7.84	340	0.01	168	2.62	6.34	3.89	0.496	0.943	46.62	0.010	67.82	67.20	47.1	0.538
9/27/2025 18:00	17.1	7.84	339	0.00	167	2.68	6.03	4.41	0.496	0.943	70.96	0.010	91.17	66.43	47.1	0.549
9/27/2025 19:00	20.6	7.76	335	0.00	157	3.72	5.66	5.25	0.496	0.943	53.57	0.010	74.61	73.97	47.1	0.622
9/27/2025 20:00	17.7	7.73	338	0.00	167	2.73	5.91	4.51	0.496	0.943	93.89	0.010	113.91	81.87	47.1	0.699
9/27/2025 21:00	4.9	7.54	336	0.00	193	-0.01	1.13	1.20	0.496	0.943	61.13	0.010	80.93	93.23	47.1	0.786
9/27/2025 22:00	5.6	7.65	328	0.00	197	1.39	5.85	1.41	0.496	0.943	-9.49	0.010	40.04	89.82	47.1	0.762
9/27/2025 23:00	15.3	7.63	326	0.00	169	2.50	5.72	3.83	0.496	0.943	52.21	0.010	72.63	78.29	47.1	0.668
9/28/2025 0:00	17.7	7.69	326	0.00	162	3.24	5.67	4.49	0.496	0.943	42.85	0.010	64.47	64.53	47.1	0.553
9/28/2025 1:00	18.2	7.67	326	0.00	162	3.18	5.87	4.83	0.496	0.943	45.49	0.010	65.95	59.05	47.1	0.595
9/28/2025 2:00	19.2	7.62	326	0.00	162	3.21	5.75	4.80	0.496	0.943	62.02	0.010	82.27	74.20	47.1	0.640
9/28/2025 3:00	18.2	7.63	327	0.00	161	3.27	5.93	4.55	0.496	0.943	43.99	0.010	66.47	77.42	47.1	0.668
9/28/2025 4:00	18.2	7.62	326	0.00	162	3.24	5.76	4.54	0.496	0.943	45.78	0.010	66.51	78.08	47.1	0.675
9/28/2025 5:00	19.4	7.59	324	0.00	162	3.25	5.49	4.83	0.496	0.943	61.09	0.010	81.29	71.75	47.1	0.621
9/28/2025 6:00	20.0	7.63	323	0.00	162	3.25	5.59	5.01	0.496	0.943	71.54	0.010	91.97	71.42	47.1	0.617
9/28/2025 7:00	21.4	7.66	322	0.00	161	3.14	5.68	5.12	0.496	0.943	134.17	0.010	159.12	134.17	47.1	0.619
9/28/2025 8:00	23.3	7.76	330	0.00	163	3.08	5.67	4.66	0.496	0.943	61.72	0.010	82.98	102.48	47.1	0.877
9/28/2025 9:00	18.2	7.66	326	0.00	164	2.96	5.82	4.58	0.496	0.943	65.26	0.010	103.04	103.04	47.1	0.881
9/28/2025 10:00	17.1	7.72	326	0.00	165	2.93	6.21	4.34	0.496	0.943	53.68	0.010	75.05	100.89	47.1	0.868
9/28/2025 11:00	17.0	7.64	328	0.00	165	2.91	6.32	4.25	0.496	0.943	50.03	0.010	72.59	81.18	47.1	0.690
9/28/2025 12:00	2															

Fuel Gas Lab Results

	Hydrogen Sulphide
Date and Time	ppmv
7/2/2025 9:00	0.44
7/9/2025 9:00	1.90
7/14/2025	0.40
7/18/2025 12:40	0.06
7/28/2025 9:00	1.82
7/30/2025 9:00	0.01
8/1/2025 9:00	0.01
8/4/2025 9:00	0.66
8/6/2025 4:00	0.12
8/11/2025 4:00	0.03
8/13/2025 8:00	0.04
8/15/2025 20:25	0.01
8/18/2025 4:00	0.10
8/22/2025 4:00	0.01
8/25/2025 4:00	0.10
8/29/2025 0:00	0.01
9/5/2025 4:00	0.42
9/8/2025 4:00	0.01
9/10/2025 0:00	0.01
9/15/2025 4:00	0.01
9/19/2025 4:00	0.01
9/22/2025 8:15	0.01
9/29/2025 4:00	0.01

 = Rare NGE Active This Event

Parti Canada / Le Parti canadien
2210 Lakeshore Road West, Winnipeg, Ontario, Canada, M6R 1G2
888.888.8888 / www.pc.gc.ca

Flare Sulphur Emissions

* The flare-die competition is estimated based on the heat and material balance, and lab analysis of flare-header samples and unit operations

 = Rare Not Active This Event

Project Data										Performance Metrics										Financial Data										Operational Data										Compliance Data										Risk Data																																																																																																																																																																																																																																																																																					
Project Name		Project ID		Project Manager		Project Status		Project Location		Project Start Date		Project End Date		Project Budget		Project Actual Cost		Project Revenue		Project Profit		Project Margin		Project ROI		Project NPV		Project IRR		Project Payback Period		Project Break-Even Point		Project Risk Score		Project Risk Level		Project Risk Category		Project Risk Mitigation		Project Risk Owner		Project Risk Status		Project Risk Update		Project Risk Review		Project Risk Action		Project Risk Comment																																																																																																																																																																																																																																																																																			
Project Name	Project ID	Project Manager	Project Status	Project Location	Project Start Date	Project End Date	Project Budget	Project Actual Cost	Project Revenue	Project Profit	Project Margin	Project ROI	Project NPV	Project IRR	Project Payback Period	Project Break-Even Point	Project Risk Score	Project Risk Level	Project Risk Category	Project Risk Mitigation	Project Risk Owner	Project Risk Status	Project Risk Update	Project Risk Review	Project Risk Action	Project Risk Comment	Project Name	Project ID	Project Manager	Project Status	Project Location	Project Start Date	Project End Date	Project Budget	Project Actual Cost	Project Revenue	Project Profit	Project Margin	Project ROI	Project NPV	Project IRR	Project Payback Period	Project Break-Even Point	Project Risk Score	Project Risk Level	Project Risk Category	Project Risk Mitigation	Project Risk Owner	Project Risk Status	Project Risk Update	Project Risk Review	Project Risk Action	Project Risk Comment																																																																																																																																																																																																																																																																																		
Project A	1001	John Doe	Completed	New York	2023-01-01	2023-12-31	\$1,000,000	\$950,000	\$1,200,000	\$250,000	25%	15%	\$1,100,000	18%	3.5	\$1,000,000	High	Medium	Financial	Regular Audits	John Doe	Active	2023-01-01	2023-12-31	2023-12-31	2023-12-31	2023-12-31	Project B	1002	Jane Smith	In Progress	Los Angeles	2023-02-01	2024-01-31	\$800,000	\$780,000	\$900,000	\$120,000	15%	10%	\$850,000	12%	2.8	\$800,000	Medium	Low	Operational	Process Improvement	Jane Smith	Active	2023-02-01	2024-01-31	2024-01-31	2024-01-31	2024-01-31	Project C	1003	Mike Johnson	On Hold	Chicago	2023-03-01	2024-02-28	\$600,000	\$620,000	\$700,000	\$80,000	13%	8%	\$650,000	10%	2.2	\$600,000	Low	Medium	Legal	Legal Review	Mike Johnson	On Hold	2023-03-01	2024-02-28	2024-02-28	2024-02-28	2024-02-28	Project D	1004	Sarah Lee	Completed	San Francisco	2023-04-01	2023-09-30	\$400,000	\$390,000	\$500,000	\$110,000	27.5%	18%	\$450,000	20%	4.0	\$400,000	Medium	High	Technical	Technical Support	Sarah Lee	Completed	2023-04-01	2023-09-30	2023-09-30	2023-09-30	2023-09-30	Project E	1005	David Kim	In Progress	London	2023-05-01	2024-04-30	\$1,200,000	\$1,150,000	\$1,500,000	\$350,000	29.2%	22%	\$1,300,000	25%	4.5	\$1,200,000	High	Medium	Financial	Financial Review	David Kim	In Progress	2023-05-01	2024-04-30	2024-04-30	2024-04-30	2024-04-30	Project F	1006	Emily White	On Hold	Paris	2023-06-01	2024-05-31	\$900,000	\$920,000	\$1,000,000	\$80,000	8.9%	5%	\$950,000	10%	2.5	\$900,000	Low	Low	Operational	Operational Review	Emily White	On Hold	2023-06-01	2024-05-31	2024-05-31	2024-05-31	2024-05-31	Project G	1007	Robert Brown	Completed	Tokyo	2023-07-01	2023-11-30	\$500,000	\$480,000	\$600,000	\$120,000	24%	16%	\$550,000	18%	3.8	\$500,000	Medium	Medium	Technical	Technical Review	Robert Brown	Completed	2023-07-01	2023-11-30	2023-11-30	2023-11-30	2023-11-30	Project H	1008	Lisa Green	In Progress	Mumbai	2023-08-01	2024-07-31	\$700,000	\$680,000	\$800,000	\$120,000	17.1%	11%	\$750,000	14%	3.0	\$700,000	Medium	Low	Operational	Operational Review	Lisa Green	In Progress	2023-08-01	2024-07-31	2024-07-31	2024-07-31	2024-07-31	Project I	1009	James Black	On Hold	Sydney	2023-09-01	2024-08-31	\$300,000	\$310,000	\$350,000	\$40,000	13.3%	7%	\$320,000	11%	2.0	\$300,000	Low	Medium	Legal	Legal Review	James Black	On Hold	2023-09-01	2024-08-31	2024-08-31	2024-08-31	2024-08-31	Project J	1010	Alice Johnson	Completed	Beijing	2023-10-01	2023-12-31	\$200,000	\$190,000	\$250,000	\$60,000	30%	20%	\$220,000	22%	4.2	\$200,000	Medium	High	Technical	Technical Review	Alice Johnson	Completed	2023-10-01	2023-12-31	2023-12-31	2023-12-31	2023-12-31	Project K	1011	Chris Davis	In Progress	London	2023-11-01	2024-10-31	\$1,100,000	\$1,050,000	\$1,300,000	\$250,000	22.7%	14%	\$1,150,000	16%	3.5	\$1,100,000	High	Medium	Financial	Financial Review	Chris Davis	In Progress	2023-11-01	2024-10-31	2024-10-31	2024-10-31	2024-10-31	Project L	1012	Grace Wilson	On Hold	New York	2023-12-01	2024-11-30	\$800,000	\$820,000	\$900,000	\$80,000	9.8%	6%	\$850,000	12%	2.8	\$800,000	Low	Low	Oper

This is a summary report. It is not intended to be used for detailed analysis. The data is for informational purposes only. The data is not intended to be used for detailed analysis. The data is for informational purposes only.

General Data										Performance Metrics										Financial Data										Operational Data										Summary Data									
Project Information					Client Details					Key Indicators					Revenue					Costs					Profitability					Efficiency					Quality					Compliance									
ID	Name	Type	Status	Priority	Client Name	Client ID	Contract Value	Start Date	End Date	Progress %	On-Time %	Budget Adh.	Revenue	Cost	Profit	Margin %	Efficiency Score	Quality Score	Compliance Score	Revenue	Cost	Profit	Margin %	Efficiency Score	Quality Score	Compliance Score	Revenue	Cost	Profit	Margin %	Efficiency Score	Quality Score	Compliance Score																
001	Project Alpha	Software	Active	High	Client A	CA001	\$100,000	2023-01-01	2023-12-31	75%	90%	5%	\$100,000	\$60,000	\$40,000	40%	85	92	95	\$100,000	\$60,000	\$40,000	40%	85	92	95	\$100,000	\$60,000	\$40,000	40%	85	92	95																
002	Project Beta	Hardware	Completed	Medium	Client B	CB002	\$80,000	2023-02-15	2023-06-30	100%	95%	2%	\$80,000	\$45,000	\$35,000	43.75%	90	95	98	\$80,000	\$45,000	\$35,000	43.75%	90	95	98	\$80,000	\$45,000	\$35,000	43.75%	90	95	98																
003	Project Gamma	Cloud Migration	On Hold	Low	Client C	CC003	\$120,000	2023-03-01	2024-03-31	20%	80%	10%	\$120,000	\$70,000	\$50,000	41.67%	70	80	90	\$120,000	\$70,000	\$50,000	41.67%	70	80	90	\$120,000	\$70,000	\$50,000	41.67%	70	80	90																
004	Project Delta	AI Integration	Active	High	Client D	CD004	\$90,000	2023-04-01	2023-11-30	60%	88%	3%	\$90,000	\$55,000	\$35,000	38.89%	80	90	92	\$90,000	\$55,000	\$35,000	38.89%	80	90	92	\$90,000	\$55,000	\$35,000	38.89%	80	90	92																
005	Project Epsilon	Mobile App	Active	Medium	Client E	CE005	\$70,000	2023-05-01	2023-10-31	50%	85%	4%	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90																
006	Project Zeta	Blockchain	Active	High	Client F	CF006	\$110,000	2023-06-01	2024-06-30	30%	78%	12%	\$110,000	\$65,000	\$45,000	40.91%	65	75	85	\$110,000	\$65,000	\$45,000	40.91%	65	75	85	\$110,000	\$65,000	\$45,000	40.91%	65	75	85																
007	Project Eta	IoT Solutions	Active	Medium	Client G	CG007	\$85,000	2023-07-01	2023-12-31	45%	82%	6%	\$85,000	\$50,000	\$35,000	41.18%	70	80	88	\$85,000	\$50,000	\$35,000	41.18%	70	80	88	\$85,000	\$50,000	\$35,000	41.18%	70	80	88																
008	Project Theta	AR/VR	Active	High	Client H	CH008	\$95,000	2023-08-01	2024-01-31	25%	75%	8%	\$95,000	\$58,000	\$37,000	38.95%	60	70	80	\$95,000	\$58,000	\$37,000	38.95%	60	70	80	\$95,000	\$58,000	\$37,000	38.95%	60	70	80																
009	Project Iota	Quantum Computing	Active	High	Client I	CI009	\$130,000	2023-09-01	2025-03-31	15%	70%	15%	\$130,000	\$75,000	\$55,000	42.31%	55	65	75	\$130,000	\$75,000	\$55,000	42.31%	55	65	75	\$130,000	\$75,000	\$55,000	42.31%	55	65	75																
010	Project Kappa	Big Data Analytics	Active	Medium	Client J	CJ010	\$75,000	2023-10-01	2023-12-31	80%	92%	1%	\$75,000	\$42,000	\$33,000	44.00%	88	95	97	\$75,000	\$42,000	\$33,000	44.00%	88	95	97	\$75,000	\$42,000	\$33,000	44.00%	88	95	97																
011	Project Lambda	Machine Learning	Active	High	Client K	CK011	\$105,000	2023-11-01	2024-02-28	40%	80%	7%	\$105,000	\$62,000	\$43,000	40.95%	70	80	85	\$105,000	\$62,000	\$43,000	40.95%	70	80	85	\$105,000	\$62,000	\$43,000	40.95%	70	80	85																
012	Project Mu	Cloud Security	Active	Medium	Client L	CL012	\$60,000	2023-12-01	2023-11-30	90%	98%	0%	\$60,000	\$35,000	\$25,000	41.67%	95	98	99	\$60,000	\$35,000	\$25,000	41.67%	95	98	99	\$60,000	\$35,000	\$25,000	41.67%	95	98	99																
013	Project Nu	Edge Computing	Active	High	Client M	CM013	\$115,000	2024-01-01	2024-07-31	10%	72%	10%	\$115,000	\$68,000	\$47,000	40.87%	60	70	80	\$115,000	\$68,000	\$47,000	40.87%	60	70	80	\$115,000	\$68,000	\$47,000	40.87%	60	70	80																
014	Project Xi	AI Ethics	Active	Medium	Client N	CN014	\$80,000	2024-02-01	2024-06-30	5%	70%	5%	\$80,000	\$48,000	\$32,000	40.00%	65	75	80	\$80,000	\$48,000	\$32,000	40.00%	65	75	80	\$80,000	\$48,000	\$32,000	40.00%	65	75	80																
015	Project Omicron	Blockchain Security	Active	High	Client O	CO015	\$125,000	2024-03-01	2025-06-30	5%	65%	12%	\$125,000	\$78,000	\$47,000	37.60%	50	60	70	\$125,000	\$78,000	\$47,000	37.60%	50	60	70	\$125,000	\$78,000	\$47,000	37.60%	50	60	70																
016	Project Pi	Quantum Cryptography	Active	High	Client P	CP016	\$140,000	2024-04-01	2026-03-31	2%	60%	18%	\$140,000	\$85,000	\$55,000	39.29%	45	55	65	\$140,000	\$85,000	\$55,000	39.29%	45	55	65	\$140,000	\$85,000	\$55,000	39.29%	45	55	65																
017	Project Rho	AI Explainability	Active	Medium	Client Q	CQ017	\$90,000	2024-05-01	2024-12-31	15%	75%	4%	\$90,000	\$52,000	\$38,000	42.22%	65	75	80	\$90,000	\$52,000	\$38,000	42.22%	65	75	80	\$90,000	\$52,000	\$38,000	42.22%	65	75	80																
018	Project Sigma	Cloud Optimization	Active	Medium	Client R	CR018	\$70,000	2024-06-01	2024-09-30	30%	85%	3%	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90																
019	Project Tau	Edge AI	Active	High	Client S	CS019	\$100,000	2024-07-01	2025-01-31	10%	70%	8%	\$100,000	\$60,000	\$40,000	40.00%	60	70	80	\$100,000	\$60,000	\$40,000	40.00%	60	70	80	\$100,000	\$60,000	\$40,000	40.00%	60	70	80																
020	Project Upsilon	AI Model Training	Active	High	Client T	CT020	\$110,000	2024-08-01	2025-03-31	5%	68%	10%	\$110,000	\$65,000	\$45,000	40.91%	55	65	75	\$110,000	\$65,000	\$45,000	40.91%	55	65	75	\$110,000	\$65,000	\$45,000	40.91%	55	65	75																
021	Project Phi	Cloud Governance	Active	Medium	Client U	CU021	\$85,000	2024-09-01	2024-12-31	20%	80%	5%	\$85,000	\$48,000	\$37,000	43.53%	70	80	85	\$85,000	\$48,000	\$37,000	43.53%	70	80	85	\$85,000	\$48,000	\$37,000	43.53%	70	80	85																
022	Project Chi	AI Security	Active	High	Client V	CV022	\$120,000	2024-10-01	2025-06-30	8%	72%	10%	\$120,000	\$70,000	\$50,000	41.67%	60	70	80	\$120,000	\$70,000	\$50,000	41.67%	60	70	80	\$120,000	\$70,000	\$50,000	41.67%	60	70	80																
023	Project Psi	Quantum Sensing	Active	High	Client W	CW023	\$135,000	2024-11-01	2026-06-30	3%	60%	15%	\$135,000	\$82,000	\$53,000	39.26%	45	55	65	\$135,000	\$82,000	\$53,000	39.26%	45	55	65	\$135,000	\$82,000	\$53,000	39.26%	45	55	65																
024	Project Omega	AI Model Deployment	Active	Medium	Client X	CX024	\$95,000	2024-12-01	2025-03-31	12%	78%	4%	\$95,000	\$53,000	\$42,000	44.21%	70	80	85	\$95,000	\$53,000	\$42,000	44.21%	70	80	85	\$95,000	\$53,000	\$42,000	44.21%	70	80	85																
025	Project Alpha	Software	Active	High	Client A	CA001	\$100,000	2023-01-01	2023-12-31	75%	90%	5%	\$100,000	\$60,000	\$40,000	40%	85	92	95	\$100,000	\$60,000	\$40,000	40%	85	92	95	\$100,000	\$60,000	\$40,000	40%	85	92	95																
026	Project Beta	Hardware	Completed	Medium	Client B	CB002	\$80,000	2023-02-15	2023-06-30	100%	95%	2%	\$80,000	\$45,000	\$35,000	43.75%	90	95	98	\$80,000	\$45,000	\$35,000	43.75%	90	95	98	\$80,000	\$45,000	\$35,000	43.75%	90	95	98																
027	Project Gamma	Cloud Migration	On Hold	Low	Client C	CC003	\$120,000	2023-03-01	2024-03-31	20%	80%	10%	\$120,000	\$70,000	\$50,000	41.67%	70	80	90	\$120,000	\$70,000	\$50,000	41.67%	70	80	90	\$120,000	\$70,000	\$50,000	41.67%	70	80	90																
028	Project Delta	AI Integration	Active	High	Client D	CD004	\$90,000	2023-04-01	2023-11-30	60%	88%	3%	\$90,000	\$55,000	\$35,000	38.89%	80	90	92	\$90,000	\$55,000	\$35,000	38.89%	80	90	92	\$90,000	\$55,000	\$35,000	38.89%	80	90	92																
029	Project Epsilon	Mobile App	Active	Medium	Client E	CE005	\$70,000	2023-05-01	2023-10-31	50%	85%	4%	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90	\$70,000	\$40,000	\$30,000	42.86%	75	85	90																
030	Project Zeta	Blockchain	Active	High	Client F	CF006	\$110,000	2023-06-01	2024-06-30	30%	78%	12%	\$110,000	\$65,000	\$45,000	40.91%	65	75	85	\$110,000	\$65,000	\$45,000	40.91%	65	75	85	\$110,000	\$65,000	\$45,000	40.91%	65	75	85																
031	Project Eta	IoT Solutions	Active	Medium	Client G	CG007	\$85,000	2023-07-01	2023-12-31	45%	82%	6%	\$85,000	\$50,000	\$35,000	41.18%	70	80	88	\$85,000	\$50,000	\$35,000	41.18%	70	80	88	\$85,000	\$50,000	\$35,000	41.18%	70	80	88																
032	Project Theta	AR/VR	Active	High	Client H	CH008	\$95,000	2023-08-01	2024-01-31	25%	75%	8%	\$95,000	\$58,000	\$37,000	38.95%	60	70	80	\$95,000	\$58,000	\$37,000	38.95%	60	70	80	\$95,000	\$58,000	\$37,000	38.95%	60	70	80																
033	Project Iota	Quantum Computing	Active	High	Client I	CI009	\$130,000	2023-09-01	2025-03-31	15%	70%	15%	\$130,000	\$75,000	\$55,000	42.31%	55	65	75	\$130,000	\$75,000	\$55,000	42.31%	55	65	75	\$130,000	\$75,000	\$55,000	42.31%	55	65	75																
034	Project Kappa	Big Data Analytics	Active	Medium	Client J	CJ010	\$75,000	2023-10-01	2023-12-31	80%	92%	1%	\$75,000	\$42,000	\$33,000	44.00%	88	95	97	\$75,000	\$42,000	\$33,000	44.00%	88	95	97	\$75,000	\$42,000	\$33,000	44.00%	88	95	97																
035	Project Lambda	Machine Learning	Active	High	Client K	CK011	\$105,000	2023-11-01	2024-02-28	40%	80%	7%	\$105,000	\$62,000	\$43,000	40.95%	70	80	85	\$105,000	\$62,000	\$43,000	40.95%	70	80	85	\$105,000	\$62,000	\$43,000	40.95%	70	80	85																
036	Project Mu	Cloud Security	Active	Medium	Client L	CL012	\$60,000	2023-12-01	2023-11-30	90%	98%	0%	\$60,000	\$35,000	\$25,000	41.67%	95	98	99	\$60,000	\$35,000	\$25,000	41.67%	95	98	99	\$60,000	\$35,000	\$25,000	41.67%	95	98	99																
037	Project Nu	Edge Computing	Active	High	Client M	CM013	\$115,000	2024-01-01	2024-07-31	10%	72%	10%	\$115,000	\$68,000	\$47,000	40.87%	60	70	80	\$115,000	\$68,000	\$47,000	40.87%	60	70	80	\$115,000	\$68,000	\$47,000	40.87%	60	70	80																
038	Project Xi	AI Ethics	Active	Medium	Client N	CN014	\$80,000	2024-02-01	2024-06-30	5%	70%	5%	\$80,000	\$48,000	\$32,000	40.00%	65	75	80	\$80,000	\$48,000	\$32,000	40.00%	65	75	80	\$80,000	\$48,000	\$32,000	40.00%	65	75	80																
039	Project Omicron	Blockchain Security	Active	High	Client O	CO015	\$125,000	2024-03-01	2025-06-30	5%	65%	12%	\$125,000	\$78,000	\$47,000	37.60%	50	60	70	\$125,000	\$78,000	\$47,000	37.60%	50	60	70	\$																						

* The flare-die competition is estimated based on the heat and material balance, and lab analysis of flare-header samples and unit operations

Global Data										Regional Performance										Product Line Analysis										Market Segments										Financial Summary									
Geographic Data					Demographic Data					Sales Performance					Product Sales					Market Share					Revenue					Profitability					Growth														
Continent	Country	City	Population	GDP	Age Group	Gender	Ethnicity	Religion	Language	Income Level	Education Level	Employment Rate	Unemployment Rate	Healthcare Access	Life Expectancy	Product A Sales	Product B Sales	Product C Sales	Product D Sales	Product E Sales	Market A Share	Market B Share	Market C Share	Market D Share	Market E Share	Revenue A	Revenue B	Revenue C	Revenue D	Revenue E	Profit A	Profit B	Profit C	Profit D	Profit E	Growth A	Growth B	Growth C	Growth D	Growth E									
Asia	China	Beijing	21.5M	\$14.2T	40-50	Male	Han Chinese	Buddhism	Mandarin	High	High	95%	5%	Good	75	120000	80000	50000	30000	20000	15%	10%	8%	5%	3%	\$1.2B	\$0.8B	\$0.5B	\$0.3B	\$0.2B	\$0.1B	\$0.05B	\$0.03B	\$0.02B	\$0.01B	\$0.005B	5%	3%	2%	1%	0.5%								
Asia	India	Mumbai	20.5M	\$3.0T	20-30	Male	Hindu	Hinduism	Hindi	Low	Low	85%	15%	Fair	70	90000	60000	40000	25000	15000	12%	8%	6%	4%	2%	\$0.9B	\$0.6B	\$0.4B	\$0.25B	\$0.15B	\$0.08B	\$0.04B	\$0.02B	\$0.01B	\$0.005B	4%	2%	1.5%	0.8%	0.4%									
Asia	Japan	Tokyo	12.5M	\$5.0T	50-60	Female	Japanese	Buddhism	Japanese	High	High	98%	2%	Excellent	82	150000	100000	60000	35000	25000	18%	12%	10%	7%	4%	\$1.5B	\$1.0B	\$0.6B	\$0.4B	\$0.25B	\$0.12B	\$0.06B	\$0.03B	\$0.015B	\$0.008B	6%	4%	3%	2%	1%									
Europe	Germany	Berlin	8.5M	\$4.0T	30-40	Male	German	Catholicism	German	High	High	92%	8%	Good	78	70000	45000	30000	18000	12000	10%	7%	5%	3%	2%	\$0.7B	\$0.45B	\$0.3B	\$0.18B	\$0.12B	\$0.06B	\$0.03B	\$0.015B	\$0.008B	\$0.004B	3%	2%	1.5%	0.9%	0.5%									
Europe	France	Paris	7.0M	\$2.8T	40-50	Female	French	Catholicism	French	High	High	90%	10%	Fair	76	60000	35000	25000	15000	10000	8%	6%	4%	2%	1%	\$0.6B	\$0.35B	\$0.25B	\$0.15B	\$0.10B	\$0.05B	\$0.025B	\$0.012B	\$0.006B	\$0.003B	2%	1.5%	1%	0.7%	0.4%									
Europe	UK	London	9.0M	\$3.5T	30-40	Male	British	Christianity	English	High	High	93%	7%	Good	79	80000	50000	35000	20000	15000	11%	8%	6%	4%	3%	\$0.8B	\$0.5B	\$0.35B	\$0.2B	\$0.15B	\$0.07B	\$0.04B	\$0.02B	\$0.01B	\$0.005B	4%	3%	2%	1.2%	0.6%									
North America	USA	New York	18.5M	\$18.0T	20-30	Male	American	Christianity	English	High	High	96%	4%	Excellent	78	180000	120000	70000	40000	30000	20%	15%	10%	7%	5%	\$2.0B	\$1.3B	\$0.8B	\$0.5B	\$0.3B	\$0.15B	\$0.08B	\$0.04B	\$0.02B	\$0.01B	\$0.005B	7%	5%	4%	3%	2%								
North America	Canada	Toronto	6.0M	\$0.8T	30-40	Male	Canadian	Christianity	English	High	High	94%	6%	Good	77	40000	25000	18000	10000	7000	5%	4%	3%	2%	1%	\$0.4B	\$0.25B	\$0.18B	\$0.1B	\$0.07B	\$0.035B	\$0.02B	\$0.01B	\$0.005B	\$0.002B	3%	2%	1.5%	0.8%	0.4%									
South America	Brazil	Sao Paulo	12.0M	\$1.5T	20-30	Male	Brazilian	Christianity	Portuguese	Low	Low	80%	20%	Fair	72	50000	30000	20000	12000	8000	6%	4%	3%	2%	1%	\$0.5B	\$0.3B	\$0.2B	\$0.12B	\$0.08B	\$0.04B	\$0.02B	\$0.01B	\$0.005B	\$0.002B	3%	2%	1.5%	0.7%	0.3%									
South America	Argentina	Buenos Aires	4.5M	\$0.4T	30-40	Male	Argentinian	Christianity	Spanish	Low	Low	75%	25%	Fair	73	20000	12000	8000	5000	3000	2%	1.5%	1%	0.8%	0.5%	\$0.2B	\$0.12B	\$0.08B	\$0.05B	\$0.03B	\$0.015B	\$0.008B	\$0.004B	\$0.002B	\$0.001B	2%	1.5%	1%	0.6%	0.3%									
Africa	Nigeria	Lagos	15.0M	\$0.5T	20-30	Male	Nigerian	Christianity	Yoruba	Low	Low	65%	35%	Fair	55	30000	18000	12000	7000	4000	3%	2%	1.5%	1%	0.5%	\$0.3B	\$0.18B	\$0.12B	\$0.07B	\$0.04B	\$0.02B	\$0.01B	\$0.005B	\$0.002B	\$0.001B	1%	0.8%												

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Region	City	State	Country	Continent	Population	Area	Density	GDP	GDP/Capita	Unemployment	Inflation	Interest Rate	Exchange Rate	Time Zone	Language	Religion	Culture	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public 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Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Healthcare	Education	Social Services	Public Safety	Environmental	Energy	Water	Waste	Housing	Urbanization	Migration	Demographics	Economics	Politics	Law	Culture	Religion	History	Geography	Climate	Vegetation	Wildlife	Natural Resources	Agriculture	Industry	Services	Transportation	Communication	Health
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 = Rare NGE Active This Event

Parti Canada / Le Parti canadien
2210 Lakeshore Blvd West, Winnipeg, Ontario, Canada, M6J 1G2
888.888.8888 / www.pc.gc.ca

☐ = Have NOT Active This Event

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2210 Lakeshore Blvd West, Winnipeg, Ontario, Canada, M6J 1G2
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General Data										Performance Metrics										Financial Data										Operational Data										Logistics Data										Inventory Data										Production Data										Quality Data										Maintenance Data										Safety Data										Compliance Data										Miscellaneous Data										Summary Data										Total Data										Grand Total										Overall Summary										Final Summary										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand Total										Grand 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Flare SO2 By Day					
Day	ZTOF	36 inch	24 inch	Pit	Total
	SO2 [kg]	SO2 [kg]	SO2 [kg]	SO2 [kg]	SO2 [kg]
7/1/2025	7.7	0.0	0.0	0.0	7.9
7/2/2025	0.0	0.0	0.0	0.0	0.0
7/3/2025	0.0	0.0	0.0	0.0	0.0
7/4/2025	0.0	0.0	0.0	0.0	0.0
7/5/2025	0.0	0.0	0.0	0.0	0.0
7/6/2025	0.0	0.0	0.0	0.0	0.0
7/7/2025	0.0	0.0	0.0	0.0	0.0
7/8/2025	0.0	0.0	0.0	0.0	0.0
7/9/2025	183.5	0.0	0.0	0.0	183.5
7/10/2025	62.3	0.0	0.0	0.0	62.3
7/11/2025	12.3	0.0	0.0	0.0	12.3
7/12/2025	75.1	0.0	0.0	0.0	75.1
7/13/2025	93.3	0.0	0.0	0.0	93.3
7/14/2025	79.7	0.0	0.0	0.0	79.7
7/15/2025	2.8	0.0	0.0	0.0	2.8
7/16/2025	44.3	18.2	0.0	0.0	62.5
7/17/2025	129.8	0.0	0.0	0.0	129.8
7/18/2025	21.5	0.0	0.0	0.0	21.5
7/19/2025	0.0	0.0	0.0	0.0	0.0
7/20/2025	0.0	0.0	0.0	0.0	0.0
7/21/2025	10.0	0.0	0.0	0.0	10.0
7/22/2025	0.0	0.0	0.0	0.0	0.0
7/23/2025	0.0	0.0	0.0	0.0	0.0
7/24/2025	0.0	0.0	0.0	0.0	0.0
7/25/2025	0.0	0.0	0.0	0.0	0.0
7/26/2025	0.0	0.0	0.0	0.0	0.0
7/27/2025	0.0	0.0	0.0	0.0	0.0
7/28/2025	0.0	0.0	0.0	0.0	0.0
7/29/2025	44.5	0.0	0.0	0.0	44.5
7/30/2025	0.0	0.0	0.0	0.0	0.0
7/31/2025	6.2	0.0	0.0	0.0	6.2
8/1/2025	64.8	0.0	0.0	0.0	64.8
8/2/2025	0.0	0.0	0.0	0.0	0.0
8/3/2025	606.8	0.0	0.0	0.0	606.8
8/4/2025	5.4	0.0	0.0	0.0	5.4
8/5/2025	0.4	0.0	0.0	0.0	0.4
8/6/2025	0.1	0.0	0.0	0.0	0.1
8/7/2025	0.0	0.0	0.0	0.0	0.0
8/8/2025	4.9	0.0	0.0	0.0	4.9
8/9/2025	6.9	0.0	0.0	0.0	6.9
8/10/2025	4.8	0.0	0.0	0.0	4.8
8/11/2025	24.9	0.0	0.0	0.0	24.9
8/12/2025	5.6	0.0	0.0	0.0	5.6
8/13/2025	48.6	0.1	0.0	0.0	48.7
8/14/2025	247.2	0.0	0.0	0.0	247.2
8/15/2025	0.0	0.0	0.0	0.0	0.0
8/16/2025	0.0	0.0	0.0	0.0	0.0
8/17/2025	0.0	0.0	0.0	0.0	0.0
8/18/2025	0.0	0.0	0.0	0.0	0.0
8/19/2025	0.0	0.0	0.0	0.0	0.0
8/20/2025	0.0	0.0	0.0	0.0	0.0
8/21/2025	0.0	0.0	0.0	0.0	0.0
8/22/2025	512.5	0.0	0.0	0.0	512.5
8/23/2025	1016.5	0.0	0.0	0.0	1016.5
8/24/2025	1073.8	0.0	0.0	0.0	1073.8
8/25/2025	339.8	0.0	0.0	0.0	339.8
8/26/2025	0.0	0.0	0.0	0.0	0.0
8/27/2025	0.0	0.0	0.0	0.0	0.0
8/28/2025	0.0	0.0	0.0	0.0	0.0
8/29/2025	0.0	0.0	0.0	0.0	0.0
8/30/2025	0.0	0.0	0.0	0.0	0.0
8/31/2025	1.2	0.0	0.0	0.0	1.2
9/1/2025	0.0	0.0	0.0	0.0	0.0
9/2/2025	0.0	0.0	0.0	0.0	0.0
9/3/2025	0.0	0.0	0.0	0.0	0.0
9/4/2025	0.0	0.0	0.0	0.0	0.0
9/5/2025	0.0	0.0	0.0	0.0	0.0
9/6/2025	0.0	0.0	0.0	0.0	0.0
9/7/2025	164.1	0.0	0.0	0.0	164.1
9/8/2025	124.4	0.0	0.0	0.0	124.4
9/9/2025	0.0	0.0	0.0	0.0	0.0
9/10/2025	0.0	0.0	0.0	0.0	0.0
9/11/2025	4.4	0.0	0.0	0.0	4.4
9/12/2025	0.0	0.0	0.0	0.0	0.0
9/13/2025	0.0	0.0	0.0	0.0	0.0
9/14/2025	0.0	0.0	0.0	0.0	0.0
9/15/2025	0.0	0.0	0.0	0.0	0.0
9/16/2025	0.0	0.0	0.0	0.0	0.0
9/17/2025	0.0	0.0	0.0	0.0	0.0
9/18/2025	0.2	0.0	0.0	0.0	0.2
9/19/2025	3.3	0.0	0.0	0.0	3.3
9/20/2025	0.0	0.0	0.0	0.0	0.0
9/21/2025	0.0	0.0	0.0	0.0	0.0
9/22/2025	0.5	0.0	0.0	0.0	0.5
9/23/2025	0.0	0.0	0.0	0.0	0.0
9/24/2025	1.0	0.0	0.0	0.0	1.0
9/25/2025	0.0	0.0	0.0	0.0	0.0
9/26/2025	29.0	0.0	0.0	0.0	29.0
9/27/2025	0.0	0.0	0.0	0.0	0.0
9/28/2025	0.0	0.0	0.0	0.0	0.0
9/29/2025	14.6	0.0	0.0	0.0	14.6
9/30/2025	0.0	0.0	0.0	0.0	0.0

NOTE: Data is based on Flare Events, Zero is assumed for periods when the flares are not active with Process Gasses

Air-Free Composition

[illegible]

Air-Free and Normalized Composition