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 Q2, 2025

August 21, 2025

Petro-Canada Lubricants Inc.
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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 - Q2 2025

Mass Emission Rate of Sulphur Dioxide Discharged to Air

From	Average kg/h	Minimum kg/h	Maximum kg/h
17 South	31.9	9.9	163.0
30 North	11.1	1.7	34.8
07 Heaters	0.2	0.0	2.7
98 Flares	16.29	0.0	516.6

Total Sulphur Dioxide Emissions

From	Tonnes
17 South	71.4
30 North	25.3
07 Heaters	0.5
98 Flares	35.6
Total	132.7

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/1/25 0:00	7.36	270	15.1	5.36	15.0	25.5	23.6	42.5	1.54	393	274.5	17.4	5.46	2338	2358	2689
4/1/25 1:00	7.26	269	14.8	5.06	15.1	24.4	24.2	42.5	1.49	395	276.8	17.4	5.34	2369	2458	2689
4/1/25 2:00	7.25	270	14.2	4.41	15.1	22.2	24.6	42.5	1.49	396	281.1	17.4	5.33	2387	2445	2689
4/1/25 3:00	7.26	271	14.7	4.41	15.1	23.0	24.0	42.5	1.53	395	284.4	17.4	5.39	2393	2365	2689
4/1/25 4:00	7.30	271	14.1	4.40	15.1	22.1	23.2	42.5	1.56	394	281.6	17.4	5.28	2390	2383	2689
4/1/25 5:00	7.24	270	14.4	4.40	15.1	22.6	22.5	42.5	1.55	394	287.6	17.4	5.29	2434	2390	2689
4/1/25 6:00	7.21	269	14.4	5.23	15.1	24.0	22.6	42.5	1.55	393	281.9	17.4	5.26	2395	2406	2689
4/1/25 7:00	7.21	269	13.9	4.73	15.2	22.4	22.9	42.5	1.57	392	277.3	17.4	5.26	2372	2406	2689
4/1/25 8:00	7.21	269	14.0	4.26	15.3	21.7	23.0	42.5	1.56	391	286.2	17.4	5.36	2462	2400	2689
4/1/25 9:00	7.19	271	14.4	4.29	15.2	22.3	22.7	42.5	1.57	391	276.4	17.5	5.32	2402	2410	2689
4/1/25 10:00	7.21	271	14.1	4.34	15.2	21.9	22.1	42.5	1.57	391	283.3	17.5	5.32	2458	2412	2689
4/1/25 11:00	7.21	272	13.7	4.40	15.2	21.5	22.0	42.5	1.55	392	286.4	17.5	5.32	2488	2441	2688
4/1/25 12:00	7.21	269	13.2	5.16	15.3	22.0	21.9	42.5	1.56	392	279.0	17.5	5.20	2461	2449	2688
4/1/25 13:00	6.78	265	13.1	5.29	15.4	22.1	21.8	42.5	1.56	392	289.0	17.5	5.28	2535	2469	2688
4/1/25 14:00	6.61	263	13.6	4.67	15.4	21.8	21.9	42.5	1.58	392	293.5	17.5	5.27	2595	2495	2688
4/1/25 15:00	6.58	264	13.3	4.57	15.2	21.1	22.0	42.5	1.57	392	282.9	17.5	5.22	2505	2530	2688
4/1/25 16:00	6.62	264	14.3	4.66	15.1	22.8	21.7	42.5	1.58	392	285.1	17.5	5.21	2528	2545	2688
4/1/25 17:00	6.67	264	15.3	4.73	15.0	24.5	21.9	42.5	1.58	391	273.4	17.6	5.17	2433	2543	2688
4/1/25 18:00	6.54	263	19.1	5.54	14.9	32.6	22.8	42.5	1.54	392	274.8	17.5	5.27	2418	2489	2688
4/1/25 19:00	6.72	265	19.0	5.58	15.0	32.6	26.6	42.5	1.49	398	279.5	17.5	5.40	2443	2460	2688
4/1/25 20:00	6.99	267	17.9	4.92	15.2	29.2	29.9	42.5	1.57	393	267.0	17.6	5.16	2371	2432	2688
4/1/25 21:00	7.11	268	20.1	5.07	14.9	33.0	31.5	42.4	1.52	392	267.0	17.5	5.15	2355	2411	2688
4/1/25 22:00	7.12	267	20.1	4.78	14.9	32.3	31.6	42.4	1.52	393	272.4	17.5	5.21	2392	2390	2688
4/1/25 23:00	7.00	265	21.4	4.81	14.9	34.5	31.5	42.4	1.58	392	274.9	17.5	5.19	2410	2373	2688
4/2/25 0:00	7.00	264	25.4	5.60	15.0	43.6	33.3	42.4	1.57	392	273.0	17.5	5.20	2384	2386	2688
4/2/25 1:00	6.86	261	25.9	5.52	15.1	44.1	36.8	42.4	1.56	391	263.6	17.5	5.22	2302	2395	2688
4/2/25 2:00	6.85	261	24.1	4.61	15.1	38.4	40.7	42.4	1.53	390	250.7	17.5	5.20	2198	2365	2688
4/2/25 3:00	6.79	262	24.9	4.61	15.1	39.6	42.0	42.4	1.53	390	244.1	17.5	5.19	2144	2295	2688
4/2/25 4:00	6.98	262	25.5	4.63	15.1	40.6	40.7	42.4	1.53	389	234.2	17.5	5.15	2067	2215	2688
4/2/25 5:00	7.00	263	26.0	4.66	15.1	41.4	39.5	42.4	1.55	386	225.7	17.5	5.13	1989	2136	2688
4/2/25 6:00	7.04	264	28.2	5.55	15.0	48.1	40.5	42.4	1.55	385	226.0	17.5	5.14	1992	2067	2688
4/2/25 7:00	7.13	266	20.0	5.04	15.1	33.5	43.4	42.4	1.56	384	219.1	17.5	5.17	1921	2016	2687
4/2/25 8:00	7.19	266	15.1	4.46	15.2	23.7	41.0	42.4	1.57	382	213.9	17.5	5.17	1879	1967	2687
4/2/25 9:00	7.22	268	14.7	4.47	15.2	23.2	35.1	42.4	1.59	381	213.6	17.5	5.15	1882	1930	2687
4/2/25 10:00	7.22	267	15.0	4.47	15.2	23.7	26.8	42.4	1.58	380	215.6	17.5	5.18	1893	1894	2687
4/2/25 11:00	7.13	267	14.8	4.48	15.2	23.4	23.5	42.4	1.57	381	216.6	17.5	5.24	1896	1884	2687
4/2/25 12:00	7.25	268	16.4	5.73	15.1	28.7	23.4	42.4	1.60	381	215.8	17.5	5.25	1884	1890	2687
4/2/25 13:00	7.22	270	17.4	4.94	15.2	28.4	25.2	42.4	1.59	379	213.8	17.5	5.33	1874	1891	2687
4/2/25 14:00	7.53	272	19.8	4.58	15.3	31.5	26.8	42.4	1.61	376	202.9	17.5	5.23	1801	1884	2687
4/2/25 15:00	7.63	270	21.3	4.54	15.4	33.8	29.5	42.4	1.57	376	216.9	17.5	5.36	1904	1853	2686
4/2/25 16:00	7.51	268	20.4	4.50	15.4	32.3	31.2	42.4	1.58	379	215.6	17.4	5.51	1859	1859	2686
4/2/25 17:00	7.60	271	19.9	4.51	15.4	31.6	32.5	42.4	1.56	380	210.5	17.4	5.49	1822	1854	2686
4/2/25 18:00	7.64	271	24.3	5.68	15.3	42.4	32.5	42.4	1.52	384	213.9	17.4	5.61	1836	1862	2686
4/2/25 19:00	7.67	269	24.4	4.82	15.4	39.7	35.4	42.4	1.51	386	213.4	17.4	5.61	1831	1839	2686
4/2/25 20:00	7.38	267	23.9	4.42	15.5	37.7	37.9	42.4	1.52	389	237.7	17.3	5.72	2018	1830	2686
4/2/25 21:00	7.43	265	23.3	4.33	15.6	36.5	39.9	42.4	1.57	388	227.1	17.3	5.78	1924	1895	2686
4/2/25 22:00	7.32	267	24.1	4.61	15.9	38.8	38.0	42.4	1.57	389	228.2	17.3	5.77	1924	1924	2686
4/2/25 23:00	7.47	266	24.6	4.53	15.3	39.0	37.7	42.4	1.49	397	243.4	17.2	5.91	2029	1955	2685
4/3/25 0:00	7.23	265	26.2	5.22	15.5	44.0	38.1	42.4	1.49	400	243.9	17.3	5.85	2052	1959	2685
4/3/25 1:00	7.16	264	24.6	5.01	15.6	40.6	40.6	42.4	1.53	396	239.0	17.3	5.79	2031	2002	2685
4/3/25 2:00	7.20	249	22.2	4.41	15.7	35.1	41.2	42.4	1.48	370	260.3	17.2	6.12	2177	2037	2685
4/3/25 3:00	7.19	261	24.7	4.44	15.5	39.0	39.9	42.4	1.47	396	239.2	17.3	5.98	2019	2087	2685
4/3/25 4:00	7.30	264	24.8	4.42	15.6	39.1	38.3	42.4	1.47	394	231.3	17.3	5.83	1992	2076	2685
4/3/25 5:00	7.27	263	20.8	4.27	15.7	32.5	37.8	42.4	1.45	395	247.5	17.3	5.95	2092	2062	2685
4/3/25 6:00	7.07	262	19.0	5.03	15.6	31.6	36.9	42.4	1.45	400	255.7	17.3	5.96	2157	2034	2685
4/3/25 7:00	6.96	263	13.5	4.49	15.7	21.7	34.4	42.4	1.43	403	282.6	17.2	6.01	2369	2080	2685
4/3/25 8:00	6.96	264	9.4	4.02	15.7	14.5	28.6	42.4	1.45	405	273.2	17.2	6.04	2280	2206	2685
4/3/25 9:00	6.97	267	7.1	4.02	16.1	11.0	22.6	42.4	1.43	405	287.8	17.2	6.19	2452	2268	2685
4/3/25 10:00	7.02	271	6.5	4.13	16.2	10.2	15.7	42.4	1.43	406	283.6	17.2	6.39	2410	2367	2685
4/3/25 11:00	7.04	272	6.1	4.24	16.0	9.6	11.9	42.4	1.43	406	288.2	17.3	6.13	2486	2381	2685
4/3/25 12:00	6.99	274	7.8	4.89	15.7	12.7	10.3	42.4	1.42	406	271.8	17.3	5.91	2363	2449	2685
4/3/25 13:00	7.06	275	6.9	5.05	15.5	11.3	10.8	42.4	1.43	404	263.1	17.4	5.63	2301	2419	2684
4/3/25 14:00	7.08	275	5.8	4.89	15.5	9.5	11.2	42.4	1.42	405	259.0	17.4	5.72	2269	2383	2684
4/3/25 15:00	7.02	276	5.9	4.54	15.5	9.3	11.2	42.4	1.44	402	251.6	17.5	5.58	2231	2311	2684
4/3/25 16:00	7.06	275	5.4	4.53	15.5	8.6	10.1	42.4	1.43	401	255.0	17.4	5.71	2239	2267	2684
4/3/25 17:00	7.06	275	5.6	4.53	15.5	8.9	9.2	42.4	1.43	403	256.7	17.4	5.83	2254	2246	2684
4/3/25 18:00	7.06	273	6.0	4.93	15.5	9.8	8.9	42.4	1.44	402	247.7	17.4	5.77	2179	2241	2684
4/3/25 19:00	7.09	272	5.5	5.09	15.4	9.1	9.1	42.4	1.45	402	249.7	17.4	5.86	2178	2224	2684
4/3/25 20:00	7.11	272	7.2	5.12	15.3	12.0	9.3	42.3	1.46	401	247.7	17.3	6.07	2113	2204	2684
4/3/25 21:00	7.24	270	7.8	4.69	15.7	12.5	10.3	42.3	1.48	401	240.1	17.3	5.89	2060	2157	2684
4/3/25 22:00	7.16	269	7.6	4.79	15.2	12.2	11.2	42.3	1.49	401	240.7	17.4	5.65	2098	2117	2684
4/3/25 23:00	7.12	266	7.6	4.67	15.1	12.1	12.2	42.3	1.45	401	238.8	17.4	5.53	2096	2091	2684
4/4/25 0:00	7.02	266	6.7	5.06	15.2	11.0	12.3	42.3	1.46	400	238.8	17.5	5.48	2100	2085	2684
4/4/25 1:00	6.96	267	6.1	5.22	15.2	10.1	11.8	42.3	1.46	399	242.2	17.5	5.45	2120	2098	2684
4/4/25 2:00	6.96	266	6.3	4.92	15.2	10.2	11.1	42.3	1.46	399	249.3	17.4	5.46	2177	2105	2683
4/4/25 3:00	6.92	266	5.8	4.50	15.2	9.2	10.4	42.3	1.48	399	269.8	17.4	5.48	2350	2132	2683
4/4/25 4:00	6.90	267	4.3	4.60	15.1	6.8	9.8	42.3	1.51	398	265.8	17.4	5.44	2316	2216	2683
4/4/25 5:00	7.09	269	6.7	4.70	15.1	10.7	8.7	42.3	1.50	396	257.1	17.5	5.37	2245	2281	2683
4/4/25 6:00	7.20	268	7.9	5.22	15.2	13.2	8.9	42.3	1.48	397	250.5	17.5	5.36	2178	2304	2683
4/4/25 7:00	7.09	268	10.1	4.74	15.2	15.9	10.2	42.3	1.48	395	257.0	17.5	5.37	2238	2246	2683
4/4/25 8:00	7.33	273	13.0	4.26	15.1	20.1	13.3	42.3	1.50	395	254.7	17.4	5.33	2197	2220	2683
4/4/25 9:00	7.40	274	12.2	4.31	15.2	18.9	16.4	42.3	1.53	395	260.0	17.5	5.33	2251	2204	2683
4/4/25 10:00	7.35	272	12.9	4.32	15.2	20.1	18.3	42.3	1.53	395	262.6	17.5	5.32	2290	2229	2683
4/4/25 11:00	7.06	269	12.5	4.35	15.2	19.5	19.7	42.3	1.48	398	279.7	17.4	5.44	2432	2246	2683
4/4/25 12:00	6.95	268	14.0	5.13	15.2	23.2	19.5	42.3	1.46	401	280.8	17.4	5.51	2461	2324	2683
4/4/25 13:00	7.01	267	13.4	5.28	15.4	22.5	20.9	42.3	1.48	399	264.1	17.5	5.43	2331	2394	2683
4/4/25 14:00	6.99	267	13.2	4.53	15.4	20.9	21.7	42.3	1.48	396	259.5	17.5	5.48	2302	2408	2683
4/4/25 15:00	7.03	268	12.9	4.43	15.3	20.3	22.2	42.3	1.47	398	260.7	17.5	5.49	2294	2365	2683
4/4/25 16:00	7.02	268	13.1	4.42	15.4	20.7	21.3	42.3	1.47	397	254.7	17.5	5.47	2251	2309	2683
4/4/25 17:00	7.02	268	13.1	4.43	15.4	20.7	20.6	42.3	1.45	399	257.3	17.5	5.52	2261	2282	2683
4/4/25 18:00	7.02	267	13.1	5.28	15.4	22.1	20.5	42.3	1.45	401	254.4	17.5	5.50	2233	2269	2683
4/4/25 19:00	7.00	268	10.8	5.12	15.3	17.8	21.2	42.3	1.51	397	252.5	17.5	5.40	2226	2248	2682

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/4/25 20:00	6.96	270	12.1	4.72	15.3	19.4	20.2	42.3	1.49	396	253.8	17.5	5.38	2234	2240	2682
4/4/25 21:00	7.14	271	13.4	4.74	15.9	21.9	19.8	42.3	1.46	399	266.9	17.4	5.50	2332	2231	2682
4/4/25 22:00	7.14	269	12.0	4.59	15.3	19.1	19.7	42.2	1.46	400	251.8	17.4	5.47	2199	2264	2682
4/4/25 23:00	7.01	268	11.0	4.53	15.3	17.4	20.1	42.2	1.51	396	250.7	17.5	5.42	2197	2255	2682
4/5/25 0:00	6.99	269	12.8	5.62	15.3	22.2	19.5	42.2	1.55	393	250.4	17.5	5.27	2233	2242	2682
4/5/25 1:00	7.15	271	15.5	5.74	15.2	27.1	19.6	42.2	1.55	391	238.1	17.5	5.29	2094	2210	2682
4/5/25 2:00	7.13	270	16.2	5.00	15.2	26.5	22.2	42.2	1.54	390	235.5	17.5	5.24	2083	2175	2682
4/5/25 3:00	7.21	274	18.1	5.09	15.2	29.8	25.3	42.2	1.55	388	230.7	17.5	5.23	2037	2137	2682
4/5/25 4:00	7.45	274	17.1	5.06	14.9	28.0	27.8	42.2	1.55	387	223.9	17.5	5.25	1958	2071	2682
4/5/25 5:00	7.38	272	20.7	5.02	15.2	34.0	28.1	42.2	1.54	387	217.6	17.5	5.26	1902	2026	2682
4/5/25 6:00	7.19	270	24.7	5.75	15.2	43.1	30.6	42.2	1.55	387	223.6	17.5	5.34	1938	1965	2682
4/5/25 7:00	7.21	269	19.4	5.22	15.4	32.8	35.0	42.2	1.56	386	227.3	17.4	5.42	1974	1933	2681
4/5/25 8:00	7.14	269	15.9	4.76	15.4	25.7	36.6	42.2	1.54	388	226.0	17.4	5.58	1974	1938	2681
4/5/25 9:00	7.14	269	17.2	4.77	15.5	27.8	33.9	42.2	1.53	389	233.2	17.4	5.66	2018	1962	2681
4/5/25 10:00	7.13	269	16.7	4.73	15.5	26.9	28.8	42.2	1.53	390	227.1	17.4	5.70	1964	1989	2681
4/5/25 11:00	7.12	269	16.0	4.66	15.5	25.6	26.8	42.2	1.48	393	239.5	17.3	5.82	2064	1986	2681
4/5/25 12:00	7.07	269	17.3	5.58	15.5	30.0	26.8	42.2	1.46	394	246.6	17.4	5.81	2155	2016	2681
4/5/25 13:00	7.07	269	14.0	4.93	15.6	23.1	27.5	42.2	1.45	395	245.8	17.4	5.85	2140	2061	2681
4/5/25 14:00	7.08	270	15.0	4.44	15.7	23.7	26.2	42.2	1.46	395	244.8	17.4	5.86	2140	2120	2681
4/5/25 15:00	7.05	270	14.0	4.40	15.7	22.1	25.6	42.2	1.42	399	250.8	17.3	5.95	2185	2145	2681
4/5/25 16:00	7.07	270	11.5	4.37	15.7	18.2	23.0	42.2	1.42	401	246.3	17.4	5.87	2150	2155	2681
4/5/25 17:00	7.08	271	10.9	4.25	16.0	17.1	21.3	42.2	1.42	401	255.3	17.3	5.99	2234	2158	2681
4/5/25 18:00	7.05	274	11.2	5.01	15.7	18.6	19.1	42.2	1.43	399	252.1	17.4	5.94	2220	2190	2680
4/5/25 19:00	7.10	274	10.7	5.12	15.6	17.9	18.0	42.2	1.44	397	250.0	17.4	5.85	2199	2201	2680
4/5/25 20:00	7.25	277	11.3	4.62	15.4	18.1	17.9	42.2	1.45	397	241.9	17.4	5.77	2130	2218	2680
4/5/25 21:00	7.47	277	11.5	4.69	15.8	18.6	18.2	42.2	1.44	397	246.7	17.4	5.72	2162	2183	2680
4/5/25 22:00	7.41	275	11.5	4.48	15.5	18.3	18.2	42.2	1.44	398	257.4	17.4	5.69	2249	2163	2680
4/5/25 23:00	7.44	274	11.1	4.41	15.5	17.4	18.3	42.2	1.44	397	246.7	17.4	5.66	2154	2180	2680
4/6/25 0:00	7.37	273	11.9	5.01	15.4	19.7	18.1	42.2	1.45	397	251.2	17.4	5.66	2187	2189	2680
4/6/25 1:00	7.28	270	11.8	5.15	15.5	19.7	18.4	42.2	1.48	396	247.6	17.4	5.63	2149	2197	2680
4/6/25 2:00	7.11	269	10.7	4.53	15.4	17.0	18.9	42.2	1.48	394	246.0	17.5	5.47	2157	2164	2680
4/6/25 3:00	7.09	269	11.0	4.37	15.3	17.2	18.8	42.2	1.52	392	235.2	17.5	5.33	2069	2164	2680
4/6/25 4:00	7.14	269	10.9	4.36	15.2	17.1	18.0	42.2	1.48	392	242.9	17.5	5.27	2116	2125	2680
4/6/25 5:00	7.08	269	11.0	4.36	15.2	17.1	17.1	42.2	1.51	391	235.8	17.5	5.26	2062	2114	2680
4/6/25 6:00	7.10	270	11.0	5.00	15.2	18.0	17.1	42.2	1.50	390	235.0	17.5	5.23	2052	2083	2680
4/6/25 7:00	7.16	270	11.0	4.62	15.2	17.4	17.4	42.2	1.50	390	235.3	17.5	5.21	2041	2077	2679
4/6/25 8:00	7.08	269	12.1	4.21	15.2	18.8	17.5	42.1	1.50	389	228.9	17.5	5.24	1979	2052	2679
4/6/25 9:00	7.11	270	12.4	4.23	15.3	19.2	18.1	42.1	1.53	389	235.9	17.5	5.22	2040	2024	2679
4/6/25 10:00	7.09	270	12.4	4.23	15.3	19.1	18.5	42.1	1.53	389	227.2	17.5	5.22	1969	2020	2679
4/6/25 11:00	7.01	271	11.7	4.25	15.3	18.2	19.0	42.1	1.52	390	232.4	17.5	5.21	2011	1996	2679
4/6/25 12:00	7.01	272	11.5	5.02	15.3	18.9	18.9	42.1	1.51	390	224.7	17.5	5.09	1970	2007	2679
4/6/25 13:00	7.00	271	10.9	5.14	15.3	18.0	18.8	42.1	1.49	390	225.9	17.5	5.11	1988	1983	2679
4/6/25 14:00	6.98	272	11.5	4.63	15.2	18.4	18.4	42.1	1.46	391	236.1	17.6	5.07	2091	1990	2679
4/6/25 15:00	7.00	271	11.4	4.51	15.3	18.0	18.5	42.1	1.45	392	234.7	17.5	5.24	2089	2017	2679
4/6/25 16:00	7.01	269	11.8	4.43	15.4	18.5	18.1	42.1	1.44	391	224.0	17.5	5.28	2002	2056	2679
4/6/25 17:00	7.01	269	11.7	4.39	15.3	18.4	18.3	42.1	1.44	392	232.2	17.5	5.33	2066	2061	2678
4/6/25 18:00	7.05	271	12.4	5.08	15.2	20.4	18.3	42.1	1.43	393	243.5	17.5	5.36	2159	2053	2678
4/6/25 19:00	7.32	273	11.3	5.21	15.2	18.8	19.1	42.1	1.44	395	229.4	17.5	5.36	2043	2076	2678
4/6/25 20:00	7.28	273	11.5	4.48	15.2	18.2	19.2	42.1	1.43	395	229.0	17.5	5.29	2028	2089	2678
4/6/25 21:00	7.23	268	9.6	4.43	15.2	15.0	19.1	42.1	1.45	395	236.1	17.5	5.27	2097	2077	2678
4/6/25 22:00	6.96	270	12.2	4.85	15.6	19.9	17.3	42.1	1.46	392	232.5	17.5	5.17	2057	2056	2678
4/6/25 23:00	7.14	267	12.6	4.64	15.1	20.1	17.7	42.1	1.43	395	239.0	17.5	5.33	2103	2061	2678
4/7/25 0:00	6.96	266	11.7	5.02	15.2	19.2	18.4	42.1	1.44	395	232.7	17.5	5.23	2049	2086	2678
4/7/25 1:00	6.95	265	11.3	5.10	15.2	18.7	19.7	42.1	1.45	393	240.8	17.5	5.16	2110	2070	2678
4/7/25 2:00	6.96	265	9.8	4.54	15.2	15.6	19.3	42.1	1.44	393	245.3	17.5	5.20	2148	2087	2678
4/7/25 3:00	6.99	265	8.6	4.33	15.2	13.3	17.8	42.1	1.44	392	246.7	17.5	5.21	2164	2102	2678
4/7/25 4:00	6.96	265	9.3	4.30	15.2	14.5	15.9	42.1	1.44	393	238.3	17.5	5.25	2091	2141	2677
4/7/25 5:00	6.94	264	10.5	4.29	15.2	16.4	14.5	42.1	1.42	394	252.5	17.5	5.37	2206	2134	2677
4/7/25 6:00	6.91	264	13.3	4.95	15.2	21.8	14.8	42.1	1.43	397	338.8	17.5	5.36	2957	2154	2677
4/7/25 7:00	6.97	265	13.5	4.57	15.2	21.4	17.6	42.1	1.43	398	222.0	17.5	5.27	1932	2418	2677
4/7/25 8:00	6.99	266	11.6	4.23	15.2	18.0	19.9	42.1	1.43	397	222.5	17.4	5.29	1911	2365	2677
4/7/25 9:00	7.07	268	10.1	4.21	15.2	15.5	20.4	42.1	1.43	398	233.9	17.4	5.40	2004	2266	2677
4/7/25 10:00	7.08	267	8.8	4.20	15.3	13.6	18.3	42.1	1.44	398	220.0	17.4	5.41	1894	1949	2677
4/7/25 11:00	6.96	266	8.2	4.22	15.3	12.6	15.7	42.1	1.44	400	242.0	17.4	5.46	2079	1936	2677
4/7/25 12:00	6.96	267	9.1	4.91	15.3	14.8	13.9	42.0	1.43	402	274.5	17.4	5.53	2361	1992	2677
4/7/25 13:00	7.00	270	9.6	5.11	15.3	15.9	13.7	42.0	1.43	403	239.4	17.4	5.56	2046	2111	2677
4/7/25 14:00	7.05	272	9.8	4.65	15.3	15.7	14.5	42.0	1.44	401	230.8	17.4	5.49	1981	2162	2677
4/7/25 15:00	7.20	272	8.6	4.39	15.4	13.5	15.5	42.0	1.42	400	228.3	17.4	5.54	1960	2129	2677
4/7/25 16:00	7.12	271	8.0	4.35	15.4	12.6	15.0	42.0	1.45	397	228.3	17.4	5.40	1984	1996	2676
4/7/25 17:00	7.06	270	8.2	4.43	15.5	12.9	13.9	42.0	1.45	395	233.1	17.5	5.16	2014	1975	2676
4/7/25 18:00	7.00	270	8.4	5.02	15.6	13.8	13.0	42.0	1.45	390	230.8	17.5	4.91	1966	1986	2676
4/7/25 19:00	7.05	270	8.0	5.23	15.4	13.5	13.1	42.0	1.51	383	219.3	17.5	4.87	1877	1988	2676
4/7/25 20:00	7.21	270	10.2	5.04	15.3	16.7	13.4	42.0	1.57	376	213.9	17.6	4.78	1868	1952	2676
4/7/25 21:00	7.40	270	11.5	4.81	15.3	18.6	14.7	42.0	1.55	373	220.2	17.5	4.88	1887	1903	2676
4/7/25 22:00	7.40	272	10.6	4.99	15.6	17.4	16.3	42.0	1.55	376	211.6	17.5	5.06	1789	1877	2676
4/7/25 23:00	7.51	269	9.6	4.79	15.7	15.6	17.6	42.0	1.52	380	225.8	17.4	5.14	1881	1848	2676
4/8/25 0:00	7.26	267	10.7	5.39	15.7	18.4	17.2	42.0	1.51	383	226.0	17.4	5.14	1885	1852	2676
4/8/25 1:00	7.08	265	11.0	5.48	15.5	18.9	17.1	42.0	1.53	381	226.3	17.4	5.00	1900	1851	2675
4/8/25 2:00	7.20	266	11.9	4.71	15.5	19.2	17.6	42.0	1.52	381	227.4	17.4	4.91	1893	1888	2675
4/8/25 3:00	7.18	265	12.6	4.62	15.4	20.1	18.8	42.0	1.53	380	225.1	17.4	4.88	1864	1893	2675
4/8/25 4:00	7.22	267	12.9	4.63	15.4	20.6	19.4	42.0	1.53	379	227.5	17.4	5.05	1869	1886	2675
4/8/25 5:00	7.30	267	13.7	4.62	15.3	21.8	20.0	42.0	1.54	381	234.7	17.4	5.06	1925	1876	2675
4/8/25 6:00	7.34	269	16.7	5.36	15.2	28.2	20.8	42.0	1.55	379	236.0	17.4	4.96	1948	1886	2675
4/8/25 7:00	7.39	269	15.0	4.92	15.2	24.7	23.5	42.0	1.55	380	243.4	17.4	4.87	1998	1914	2675
4/8/25 8:00	7.39	268	12.2	4.45	15.2	19.3	24.9	42.0	1.56	380	244.2	17.4	5.00	1976	1957	2675
4/8/25 9:00	7.36	272	12.6	4.53	15.1	20.0	24.0	42.0	1.57	380	243.2	17.3	5.10	1975	1974	2675
4/8/25 10:00	7.53	271	13.4	4.57	15.2	21.3	21.3	42.0	1.56	382	244.4	17.4	4.97	1998	1983	2674
4/8/25 11:00	7.34	271	13.4	4.58	15.1	21.2	20.2	42.0	1.56	383	253.0	17.3	5.04	2034	1983	2674
4/8/25 12:00	7.34	268	15.7	5.20	15.1	26.1	20.8	42.0	1.56	387	280.7	17.3	5.33	2242	2002	2674
4/8/25 13:00	7.01	266	14.9	5.28	15.2	25.0	22.9	42.0	1.55	388	265.1	17.3	5.15	2151	2091	2674
4/8/25 14:00	7.00	266	15.5	4.85	15.2	25.1	24.1	42.0	1.55	388	270.4	17.3	5.15	2191	2142	2674
4/8/25 15:00	7.00	266	15.1	4.61	15.2	23.9	25.4	42.0	1.56	389	273.5	17.3	5.35	2197	2195	2674

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/8/25 16:00	7.00	267	15.5	4.64	15.2	24.7	24.7	42.0	1.55	391	282.8	17.3	5.32	2291	2180	2674
4/8/25 17:00	7.02	268	16.2	4.66	15.1	25.9	24.6	42.0	1.55	390	282.7	17.3	5.21	2292	2227	2674
4/8/25 18:00	7.11	267	18.0	5.07	15.1	29.6	24.8	42.0	1.55	391	285.5	17.3	5.28	2299	2260	2674
4/8/25 19:00	7.12	267	17.6	5.20	15.2	29.2	26.7	41.9	1.53	392	283.5	17.3	5.30	2285	2294	2674
4/8/25 20:00	7.15	268	17.4	5.16	15.2	28.8	28.2	41.9	1.53	394	284.6	17.2	5.35	2273	2292	2674
4/8/25 21:00	7.24	268	17.1	4.99	15.5	28.1	29.2	41.9	1.52	396	292.4	17.2	5.42	2326	2286	2674
4/8/25 22:00	7.30	267	17.1	4.88	14.8	27.6	28.7	41.9	1.51	396	295.6	17.3	5.27	2381	2295	2674
4/8/25 23:00	7.25	267	15.8	4.49	15.2	24.9	28.2	41.9	1.51	394	289.4	17.3	5.20	2339	2327	2674
4/9/25 0:00	7.20	265	16.8	4.93	15.2	27.5	26.9	41.9	1.52	393	288.3	17.3	5.23	2320	2349	2674
4/9/25 1:00	7.10	264	15.7	5.07	15.3	25.8	26.7	41.9	1.51	393	294.3	17.3	5.21	2369	2347	2674
4/9/25 2:00	7.31	267	15.5	5.01	15.3	25.5	26.1	41.9	1.52	392	289.1	17.3	5.16	2323	2343	2673
4/9/25 3:00	7.33	267	15.3	4.55	15.3	24.2	26.3	41.9	1.53	392	284.3	17.3	5.18	2285	2337	2673
4/9/25 4:00	7.33	263	14.3	4.39	15.4	22.5	25.2	41.9	1.54	390	282.2	17.3	5.12	2268	2325	2673
4/9/25 5:00	7.03	261	13.9	4.38	15.4	21.8	24.1	41.9	1.53	390	285.3	17.3	5.18	2289	2292	2673
4/9/25 6:00	6.99	260	13.8	4.91	15.4	22.6	22.8	41.9	1.32	279	302.2	18.3	4.09	3573	2281	2673
4/9/25 7:00	6.97	260	12.0	4.54	15.5	19.2	22.3	41.9	1.10	174	398.1	18.6	3.92	5591	2710	2674
4/9/25 8:00	6.97	261	8.0	4.17	15.5	12.3	21.2	41.9	1.01	135	378.9	18.7	3.92	5552	3818	2674
4/9/25 9:00	6.94	264	7.8	4.22	15.5	12.1	18.1	41.9	0.96	120	414.4	18.8	3.92	6437	4905	2675
4/9/25 10:00	6.95	265	7.7	4.30	15.6	12.1	14.6	41.9	0.92	106	368.2	18.8	3.92	5458	5860	2675
4/9/25 11:00	6.98	267	7.0	4.34	15.6	11.0	12.2	41.9	0.89	98	313.2	18.7	3.92	4321	5816	2676
4/9/25 12:00	6.95	267	7.5	4.97	15.7	12.4	11.7	41.9	0.86	92	546.4	18.9	3.92	9129	5405	2676
4/9/25 13:00	7.00	268	12.5	5.09	15.7	20.9	11.8	41.9	0.83	88	401.5	19.0	3.92	7187	6303	2677
4/9/25 14:00	7.00	268	32.1	4.76	15.6	51.9	14.7	41.9	0.83	87	174.7	19.0	3.92	3127	6879	2677
4/9/25 15:00	6.98	269	27.4	4.45	15.7	43.5	28.4	41.9	0.93	94	256.8	18.8	4.04	4046	6481	2677
4/9/25 16:00	7.01	268	33.7	4.45	15.9	53.6	38.8	41.9	0.92	101	460.1	18.9	3.78	7395	4787	2678
4/9/25 17:00	6.97	268	39.1	4.43	16.0	62.1	49.7	41.9	1.29	153	490.4	18.1	4.92	5807	4856	2679
4/9/25 18:00	6.97	269	48.6	4.95	15.9	80.3	53.1	41.9	1.38	225	463.7	17.7	5.32	4449	5749	2679
4/9/25 19:00	7.00	269	59.7	5.05	15.9	99.4	65.3	41.9	1.45	289	443.6	17.4	5.44	3716	5883	2679
4/9/25 20:00	6.98	270	49.2	4.95	16.0	81.7	80.6	41.9	1.47	336	515.6	17.3	5.64	4237	4657	2679
4/9/25 21:00	6.98	271	10.8	4.79	15.9	17.6	87.1	41.9	1.45	353	376.1	17.4	5.45	3185	4134	2679
4/9/25 22:00	7.17	270	9.1	4.73	15.5	14.7	66.2	41.9	1.42	361	412.2	17.5	5.30	3568	3713	2679
4/9/25 23:00	7.08	269	7.6	4.74	15.2	12.3	38.0	41.9	1.40	364	319.3	17.5	5.29	2821	3663	2679
4/10/25 0:00	7.16	270	8.2	4.85	15.5	13.4	14.9	41.9	1.42	366	298.8	17.5	5.43	2643	3192	2679
4/10/25 1:00	7.18	271	7.5	4.90	15.5	12.3	13.5	41.9	1.41	369	397.9	17.4	5.59	3471	3011	2680
4/10/25 2:00	7.27	272	7.4	4.91	15.5	12.1	12.7	41.9	1.43	371	353.3	17.4	5.55	3081	2979	2680
4/10/25 3:00	7.32	272	7.0	4.85	15.4	11.3	12.6	41.9	1.42	373	384.4	17.4	5.68	3322	3065	2680
4/10/25 4:00	7.25	344	10.6	5.50	15.4	18.3	11.9	41.9	1.40	358	908.9	17.6	5.45	8036	3291	2680
4/10/25 5:00	8.02	438	11.3	5.75	14.7	19.6	13.9	41.9	1.41	367	613.1	17.5	5.29	5366	4813	2681
4/10/25 6:00	8.49	421	12.5	5.88	14.7	21.8	16.4	41.9	1.43	367	309.4	17.6	5.13	2764	5575	2681
4/10/25 7:00	7.81	318	12.7	6.08	15.0	22.6	19.9	41.9	1.48	362	265.1	17.6	5.00	2419	5389	2681
4/10/25 8:00	6.96	269	13.1	6.08	15.0	23.4	21.4	41.9	1.45	364	394.5	17.6	5.24	3521	3516	2681
4/10/25 9:00	7.06	269	12.8	6.08	15.0	22.8	22.6	41.9	1.41	365	234.7	17.6	5.09	2142	2901	2681
4/10/25 10:00	7.31	269	12.4	6.08	15.0	22.1	22.9	41.9	1.40	364	241.1	17.7	5.00	2246	2694	2681
4/10/25 11:00	7.20	268	11.7	6.08	15.0	20.9	22.8	41.9	1.45	361	282.5	17.7	5.01	2641	2636	2681
4/10/25 12:00	7.12	271	11.2	6.08	15.0	20.0	21.9	41.9	1.51	358	275.3	17.7	5.07	2582	2343	2681
4/10/25 13:00	7.22	272	11.2	6.08	15.0	20.1	21.0	41.9	1.55	359	329.5	17.6	5.27	2998	2489	2681
4/10/25 14:00	7.40	274	11.2	6.08	15.0	20.0	20.3	41.9	1.57	361	302.3	17.5	5.43	2697	2740	2681
4/10/25 15:00	7.54	276	10.7	6.08	15.0	19.1	20.0	41.9	1.59	362	294.0	17.4	5.66	2591	2759	2681
4/10/25 16:00	7.68	279	10.6	6.08	15.0	18.9	19.7	41.8	1.60	364	303.1	17.4	5.71	2623	2762	2681
4/10/25 17:00	7.87	276	11.2	6.08	15.0	20.0	19.4	41.8	1.60	366	304.5	17.4	5.75	2632	2637	2681
4/10/25 18:00	7.70	275	10.5	6.08	15.0	18.8	19.4	41.8	1.60	367	310.4	17.3	5.79	2641	2615	2681
4/10/25 19:00	7.70	272	8.8	6.08	15.0	15.7	19.3	41.8	1.61	369	312.0	17.3	5.84	2616	2632	2681
4/10/25 20:00	7.50	272	5.6	6.08	15.0	10.0	18.2	41.8	1.59	372	326.1	17.2	5.86	2705	2630	2681
4/10/25 21:00	7.45	268	6.3	6.08	15.0	11.3	14.8	41.8	1.58	376	361.7	17.1	6.06	2907	2654	2681
4/10/25 22:00	7.23	272	6.3	6.08	15.0	11.2	12.3	41.8	1.58	379	373.1	17.1	6.11	2994	2743	2681
4/10/25 23:00	7.66	273	6.2	6.08	15.0	11.2	10.8	41.8	1.56	381	382.6	17.1	6.13	3065	2869	2681
4/11/25 0:00	7.63	270	6.8	6.08	15.0	12.1	11.2	41.8	1.54	382	411.4	17.1	6.16	3288	2989	2681
4/11/25 1:00	7.16	265	6.9	6.08	15.0	12.4	11.5	41.8	1.52	382	427.0	17.1	6.17	3432	3116	2681
4/11/25 2:00	6.97	264	7.2	6.08	15.0	12.8	11.9	41.8	1.55	383	441.1	17.1	6.17	3526	3262	2681
4/11/25 3:00	6.95	264	7.3	6.08	15.0	13.0	12.4	41.8	1.56	382	419.2	17.1	6.14	3357	3416	2681
4/11/25 4:00	6.94	265	7.1	6.08	15.0	12.7	12.7	41.8	1.57	382	386.6	17.1	6.15	3085	3438	2681
4/11/25 5:00	7.05	265	7.5	6.08	15.0	13.4	12.8	41.8	1.58	382	355.7	17.1	6.14	2830	3323	2681
4/11/25 6:00	7.09	266	6.9	6.08	15.0	12.4	13.0	41.8	1.58	382	338.7	17.1	6.11	2697	3091	2681
4/11/25 7:00	7.10	267	7.0	6.08	15.0	12.4	12.8	41.8	1.56	382	343.6	17.1	6.12	2719	2871	2681
4/11/25 8:00	7.07	266	7.8	6.08	15.0	13.9	12.7	41.8	1.57	382	334.0	17.1	6.11	2641	2749	2681
4/11/25 9:00	7.09	270	7.1	5.56	15.2	12.3	12.9	41.8	1.59	382	333.5	17.1	6.13	2639	2686	2681
4/11/25 10:00	7.32	272	2.8	4.32	15.9	4.4	12.9	41.8	1.57	384	342.0	17.0	6.17	2699	2667	2681
4/11/25 11:00	7.26	270	3.3	4.37	15.9	5.3	10.2	41.8	1.56	385	208.1	17.1	5.99	1630	2660	2681
4/11/25 12:00	7.03	270	7.8	5.18	15.8	13.3	7.3	41.8	1.55	385	351.4	17.1	6.20	2863	2323	2681
4/11/25 13:00	7.24	273	7.0	5.43	15.8	11.9	7.7	41.8	1.55	387	353.7	17.1	6.25	2825	2397	2681
4/11/25 14:00	7.36	273	9.2	4.83	15.8	15.1	10.2	41.8	1.52	390	372.1	17.0	6.32	2929	2439	2681
4/11/25 15:00	7.35	270	9.8	4.62	15.9	15.8	13.4	41.8	1.46	393	399.7	17.0	6.41	3149	2872	2681
4/11/25 16:00	7.16	266	9.6	4.50	16.0	15.4	14.3	41.7	1.46	395	393.0	17.0	6.45	3115	2968	2682
4/11/25 17:00	6.90	264	9.7	4.42	16.0	15.5	15.4	41.7	1.45	397	430.3	17.0	6.49	3427	3065	2682
4/11/25 18:00	6.86	264	12.8	4.96	16.0	21.4	15.5	41.7	1.45	395	381.1	17.0	6.40	3054	3231	2682
4/11/25 19:00	6.95	264	11.1	5.00	16.1	18.4	17.4	41.7	1.46	395	383.3	17.0	6.40	3079	3199	2682
4/11/25 20:00	6.87	266	10.1	4.61	16.1	16.3	18.4	41.7	1.46	395	371.2	17.0	6.41	2982	3187	2682
4/11/25 21:00	7.09	265	8.5	4.24	16.1	13.3	18.7	41.7	1.46	395	374.3	17.0	6.46	2988	3038	2682
4/11/25 22:00	6.83	265	8.1	4.47	16.5	13.1	16.0	41.7	1.46	395	388.2	17.0	6.44	3103	3016	2682
4/11/25 23:00	7.04	266	8.5	4.69	16.0	13.7	14.2	41.7	1.46	393	372.8	17.0	6.42	2987	3024	2682
4/12/25 0:00	7.01	265	11.2	5.13	16.0	18.8	13.4	41.7	1.46	393	397.0	17.0	6.45	3168	3026	2682
4/12/25 1:00	6.86	265	10.5	5.28	16.0	17.8	15.2	41.7	1.46	392	401.0	17.0	6.41	3200	3086	2682
4/12/25 2:00	6.92	265	11.1	5.16	16.0	18.7	16.8	41.7	1.47	392	380.4	17.1	6.38	3061	3118	2682
4/12/25 3:00	7.01	266	12.4	4.65	16.0	20.1	18.4	41.7	1.50	391	396.8	17.0	6.39	3162	3143	2682
4/12/25 4:00	6.92	266	14.2	4.45	16.0	22.6	18.9	41.7	1.52	390	377.1	17.0	6.34	2991	3141	2682
4/12/25 5:00	6.96	266	14.5	4.38	16.0	23.0	20.5	41.7	1.52	388	370.8	17.0	6.27	2948	3071	2682
4/12/25 6:00	7.09	271	15.1	4.83	15.9	24.7	21.9	41.7	1.53	388	380.0	17.0	6.31	2999	3033	2682
4/12/25 7:00	7.35	271	13.7	4.39	15.8	21.7	23.4	41.7	1.52	388	361.6	17.0	6.30	2846	2979	2682
4/12/25 8:00	7.32	271	11.2	4.04	15.7	17.2	23.1	41.7	1.54	389	375.2	17.0	6.35	2916	2931	2682
4/12/25 9:00	7.11	268	10.9	4.11	15.7	16.8	21.2	41.7	1.52	391	372.3	17.0	6.36	2911	2920	2682
4/12/25 10:00	6.88	268	12.8	4.18	15.7	19.9	18.6	41.7	1.43	396	380.7	17.0	6.44	2988	2891	2682
4/12/25 11:00	6.92	268	13.3	4.16	15.7	20.6	18.0	41.7	1.45	399	401.0	17.0	6.48	3161	2938	2683

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/12/25 12:00	6.92	269	15.5	5.12	15.7	25.9	19.1	41.7	1.45	400	389.5	17.0	6.43	3077	3020	2683
4/12/25 13:00	6.90	268	13.6	4.72	15.8	22.2	22.1	41.7	1.46	396	386.3	17.0	6.38	3050	3075	2683
4/12/25 14:00	6.93	267	12.7	4.14	15.8	19.7	22.9	41.7	1.45	393	382.6	17.0	6.36	3057	3096	2683
4/12/25 15:00	6.91	268	11.2	4.15	15.8	17.3	22.6	41.7	1.46	391	379.5	17.0	6.35	3036	3062	2683
4/12/25 16:00	6.94	267	10.7	4.14	15.7	16.6	19.7	41.7	1.45	391	371.2	17.0	6.36	2943	3048	2683
4/12/25 17:00	6.92	267	10.6	4.14	15.8	16.5	17.9	41.7	1.45	394	395.1	17.0	6.46	3104	3012	2683
4/12/25 18:00	6.83	266	11.2	5.05	15.7	18.7	16.8	41.7	1.45	393	378.7	17.0	6.38	3019	3028	2683
4/12/25 19:00	6.89	267	11.1	4.84	15.7	18.2	17.3	41.7	1.44	393	390.6	17.0	6.40	3086	3022	2683
4/12/25 20:00	7.04	267	11.4	4.19	15.7	17.6	17.8	41.7	1.45	396	376.2	17.0	6.44	2966	3069	2683
4/12/25 21:00	6.98	265	11.5	4.15	15.7	17.8	18.2	41.7	1.45	398	415.6	16.9	6.50	3241	3024	2683
4/12/25 22:00	6.87	268	10.2	4.45	16.0	16.2	17.9	41.6	1.44	398	411.9	17.0	6.46	3235	3098	2683
4/12/25 23:00	7.27	267	8.3	4.43	15.5	13.1	17.2	41.6	1.45	395	390.7	17.0	6.42	3095	3148	2683
4/13/25 0:00	6.99	269	9.5	5.30	15.4	16.0	15.7	41.6	1.44	396	400.0	17.0	6.40	3149	3190	2683
4/13/25 1:00	7.36	269	7.9	4.98	15.6	13.2	15.1	41.6	1.43	397	396.0	16.9	6.46	3087	3159	2683
4/13/25 2:00	7.16	268	7.2	4.21	15.7	11.3	14.1	41.6	1.42	395	378.0	17.0	6.31	2989	3110	2683
4/13/25 3:00	7.10	264	6.9	4.15	15.8	10.7	13.5	41.6	1.43	394	389.2	17.0	6.41	3059	3075	2683
4/13/25 4:00	6.77	262	6.9	4.13	15.8	10.7	11.7	41.6	1.45	394	387.4	17.0	6.34	3060	3045	2684
4/13/25 5:00	6.76	262	7.2	4.13	15.7	11.1	10.9	41.6	1.43	393	381.6	17.0	6.30	3007	3036	2684
4/13/25 6:00	6.73	262	8.2	4.98	15.7	13.6	10.8	41.6	1.46	394	400.3	16.9	6.36	3094	3042	2684
4/13/25 7:00	6.78	263	9.8	4.49	15.7	15.4	11.8	41.6	1.47	394	396.3	17.0	6.28	3074	3054	2684
4/13/25 8:00	6.82	264	12.4	3.97	15.7	18.9	13.4	41.6	1.44	394	393.9	17.0	6.29	3052	3058	2684
4/13/25 9:00	6.78	267	11.7	4.01	15.6	18.0	16.0	41.6	1.43	398	406.8	17.0	6.43	3166	3074	2684
4/13/25 10:00	6.83	267	11.2	4.07	15.7	17.2	17.4	41.6	1.44	399	417.8	16.9	6.48	3256	3097	2684
4/13/25 11:00	6.85	268	11.2	4.12	15.7	17.3	18.0	41.6	1.44	398	411.0	17.0	6.49	3235	3158	2684
4/13/25 12:00	6.84	268	11.7	5.03	15.6	19.3	17.5	41.6	1.44	396	395.7	17.0	6.46	3125	3219	2684
4/13/25 13:00	6.90	268	10.8	4.96	15.6	17.8	17.9	41.6	1.43	398	396.6	17.0	6.41	3118	3205	2684
4/13/25 14:00	6.88	269	11.8	4.31	15.5	18.5	18.1	41.6	1.41	398	407.0	17.0	6.34	3217	3159	2684
4/13/25 15:00	6.89	269	13.0	4.27	15.6	20.3	18.5	41.6	1.42	399	384.5	17.0	6.43	3057	3153	2684
4/13/25 16:00	6.81	267	13.4	4.26	15.6	20.9	18.9	41.6	1.40	400	387.0	17.0	6.40	3091	3131	2684
4/13/25 17:00	6.79	267	14.5	4.27	15.5	22.6	19.9	41.6	1.41	398	370.4	17.1	6.30	2980	3122	2684
4/13/25 18:00	6.75	266	14.0	5.21	15.5	23.5	21.3	41.6	1.41	395	369.5	17.1	6.32	2962	3043	2684
4/13/25 19:00	6.77	269	12.2	4.92	15.6	20.1	22.3	41.6	1.42	393	378.2	17.1	6.37	3061	3011	2684
4/13/25 20:00	7.15	271	11.4	4.28	15.6	17.8	22.1	41.6	1.43	394	387.6	17.0	6.41	3091	3001	2684
4/13/25 21:00	7.15	270	10.5	4.50	15.4	16.7	20.5	41.6	1.42	393	373.8	17.0	6.39	2996	3038	2685
4/13/25 22:00	7.18	268	10.6	4.44	16.0	16.9	18.2	41.6	1.43	393	396.8	17.0	6.47	3133	3049	2685
4/13/25 23:00	6.98	265	11.1	4.30	15.5	17.3	17.1	41.6	1.43	394	398.5	17.0	6.48	3117	3073	2685
4/14/25 0:00	6.75	262	11.5	5.08	15.6	19.1	17.0	41.6	1.43	398	403.2	16.9	6.54	3143	3082	2685
4/14/25 1:00	6.65	262	10.8	4.88	15.6	17.7	17.8	41.5	1.42	401	437.9	16.9	6.57	3369	3131	2685
4/14/25 2:00	6.67	263	10.3	4.23	15.6	16.0	18.0	41.5	1.42	402	422.7	16.9	6.55	3276	3210	2685
4/14/25 3:00	6.64	263	10.2	4.24	15.6	15.9	17.6	41.5	1.43	401	427.9	16.9	6.56	3318	3263	2685
4/14/25 4:00	6.66	263	11.2	4.23	15.5	17.4	16.5	41.5	1.43	401	427.4	16.9	6.50	3315	3321	2685
4/14/25 5:00	6.71	263	10.3	4.25	15.6	16.1	16.5	41.5	1.44	397	418.8	16.9	6.57	3258	3303	2685
4/14/25 6:00	6.67	263	11.7	5.04	15.6	19.3	16.5	41.5	1.44	395	382.3	17.0	6.42	3030	3297	2685
4/14/25 7:00	6.70	263	14.1	4.57	15.6	22.2	17.6	41.5	1.49	390	372.4	17.0	6.32	2979	3201	2685
4/14/25 8:00	6.73	265	16.3	4.09	15.6	25.1	19.2	41.5	1.48	389	371.4	17.0	6.30	2922	3089	2685
4/14/25 9:00	6.77	265	16.4	4.07	15.6	25.3	22.2	41.5	1.46	390	371.9	17.0	6.32	2914	2977	2685
4/14/25 10:00	6.76	267	16.5	4.07	15.6	25.4	24.2	41.5	1.48	389	359.5	17.0	6.25	2839	2938	2685
4/14/25 11:00	6.76	268	16.6	4.28	15.6	25.9	25.2	41.5	1.52	388	358.1	17.0	6.20	2819	2892	2685
4/14/25 12:00	6.79	269	19.2	5.58	15.5	33.2	25.5	41.5	1.50	388	370.0	17.0	6.22	2908	2857	2685
4/14/25 13:00	6.81	270	19.8	5.00	15.5	32.6	28.2	41.5	1.49	388	357.4	17.1	6.11	2832	2855	2685
4/14/25 14:00	6.80	270	21.1	4.61	15.5	33.7	30.6	41.5	1.47	385	467.8	17.2	5.89	3778	2853	2686
4/14/25 15:00	6.79	269	20.5	4.54	15.5	32.5	33.2	41.5	1.44	379	407.3	17.3	5.66	3436	3173	2686
4/14/25 16:00	6.79	270	19.7	4.55	15.4	31.3	32.9	41.5	1.45	375	290.6	17.4	5.64	2480	3349	2686
4/14/25 17:00	6.95	271	20.9	4.56	15.5	33.2	32.5	41.5	1.46	372	278.9	17.3	5.67	2373	3232	2686
4/14/25 18:00	7.00	270	23.0	5.47	15.5	39.6	32.3	41.5	1.44	374	281.6	17.3	5.84	2359	2763	2686
4/14/25 19:00	6.89	267	21.9	4.83	15.6	35.8	34.7	41.5	1.41	378	284.6	17.2	5.93	2382	2404	2686
4/14/25 20:00	6.69	267	21.4	4.27	15.6	33.4	36.2	41.5	1.41	381	334.0	17.2	6.06	2733	2371	2686
4/14/25 21:00	6.77	268	20.2	4.16	15.8	31.4	36.3	41.5	1.38	390	461.7	17.0	6.39	3583	2491	2686
4/14/25 22:00	6.74	276	18.8	4.50	15.9	30.0	33.5	41.5	1.37	394	449.7	17.0	6.18	3513	2899	2686
4/14/25 23:00	7.09	273	18.9	4.29	15.5	29.4	31.6	41.5	1.38	394	396.1	17.0	6.19	3109	3276	2686
4/15/25 0:00	6.77	270	21.2	5.14	15.5	35.4	30.3	41.5	1.38	394	381.5	17.0	6.29	2964	3402	2686
4/15/25 1:00	6.77	269	20.6	4.84	15.5	33.6	31.6	41.5	1.37	397	390.4	16.9	6.40	3011	3195	2686
4/15/25 2:00	6.74	269	20.3	4.31	15.5	31.7	32.8	41.5	1.37	398	378.0	16.9	6.50	2925	3028	2686
4/15/25 3:00	6.79	268	19.5	4.28	15.5	30.4	33.5	41.5	1.37	398	386.0	17.0	6.37	3001	2966	2686
4/15/25 4:00	6.76	270	19.0	4.31	15.5	29.7	31.9	41.5	1.39	396	398.9	17.0	6.27	3098	2979	2686
4/15/25 5:00	6.91	269	18.9	4.29	15.5	29.5	30.6	41.5	1.38	394	375.9	17.0	6.28	2950	3008	2686
4/15/25 6:00	6.81	269	18.8	5.29	15.5	31.8	29.9	41.5	1.39	392	383.5	17.0	6.11	2986	3016	2686
4/15/25 7:00	6.86	272	17.5	4.67	15.3	28.4	30.3	41.5	1.40	388	365.2	17.0	6.02	2819	3011	2686
4/15/25 8:00	7.11	271	15.4	4.02	15.4	23.5	29.9	41.5	1.40	388	375.5	17.0	5.87	2861	2918	2686
4/15/25 9:00	6.93	276	14.7	4.07	15.3	22.5	27.9	41.5	1.41	386	361.7	17.1	5.75	2786	2888	2686
4/15/25 10:00	7.23	281	14.1	4.32	15.0	21.9	24.8	41.5	1.40	385	392.5	17.1	5.71	3008	2822	2686
4/15/25 11:00	7.27	280	13.6	4.16	15.3	21.0	22.6	41.5	1.39	373	379.9	17.5	5.09	3216	2885	2686
4/15/25 12:00	7.30	277	14.6	5.62	15.2	25.2	21.8	41.5	1.41	364	312.8	17.5	4.88	2633	3003	2686
4/15/25 13:00	7.16	271	14.5	4.30	15.2	22.6	22.7	41.5	1.41	361	238.0	17.5	4.70	2008	2952	2686
4/15/25 14:00	6.94	269	14.3	4.32	15.2	22.3	22.9	41.5	1.41	359	267.2	17.5	4.83	2252	2619	2686
4/15/25 15:00	6.95	270	14.2	4.35	15.2	22.2	23.4	41.5	1.37	316	224.9	17.7	4.31	2018	2298	2686
4/15/25 16:00	7.04	270	14.4	4.39	15.2	22.5	22.4	41.5	1.44	348	241.1	17.4	4.72	1959	2093	2686
4/15/25 17:00	7.15	271	14.5	4.38	15.2	22.7	22.3	41.5	1.40	316	272.4	17.8	4.24	2485	2076	2686
4/15/25 18:00	7.24	272	15.9	5.79	15.2	27.9	22.5	41.5	1.48	347	308.7	17.4	4.63	2447	2154	2686
4/15/25 19:00	7.29	272	17.4	4.48	15.2	27.4	24.4	41.5	1.47	362	301.4	17.4	4.83	2447	2297	2686
4/15/25 20:00	7.31	271	18.0	4.44	15.2	28.2	26.0	41.5	1.46	367	243.0	17.4	4.96	1977	2460	2686
4/15/25 21:00	7.30	271	18.1	4.44	15.2	28.5	27.8	41.5	1.49	373	354.0	17.2	5.49	2772	2290	2686
4/15/25 22:00	7.28	272	18.7	4.73	15.4	30.1	28.1	41.5	1.49	381	364.6	17.0	5.69	2769	2399	2686
4/15/25 23:00	7.52	271	18.5	4.52	15.0	29.1	29.0	41.5	1.49	387	341.5	17.0	5.63	2584	2506	2686
4/16/25 0:00	7.31	267	21.9	5.71	15.1	38.2	29.3	41.5	1.49	391	337.9	17.0	5.90	2523	2708	2686
4/16/25 1:00	7.22	269	20.5	4.39	15.2	32.1	32.5	41.5	1.48	391	319.3	17.0	5.97	2423	2625	2686
4/16/25 2:00	7.26	268	20.7	4.26	15.2	32.1	33.1	41.5	1.48	394	335.0	16.9	6.24	2495	2510	2686
4/16/25 3:00	7.09	271	20.1	4.26	15.1	31.1	34.1	41.4	1.47	397	330.8	16.9	6.31	2482	2480	2686
4/16/25 4:00	7.32	274	19.2	4.25	15.1	29.7	31.8	41.4	1.47	396	322.7	16.9	6.23	2446	2467	2686
4/16/25 5:00	7.39	274	19.3	4.25	15.1	29.8	31.0	41.4	1.49	395	331.7	17.0	6.03	2521	2474	2686
4/16/25 6:00	7.33	271	21.5	5.60	15.1	37.2	30.2	41.4	1.52	396	352.1	16.9	6.12	2634	2483	2686
4/16/25 7:00	7.10	271	17.9	4.33	15.2	28.0	32.2	41.4	1.54	396	340.0	16.9	6.16	2585	2534	2686

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/16/25 8:00	7.12	272	15.5	4.13	15.2	23.8	31.7	41.4	1.51	396	350.4	17.0	6.08	2691	2580	2686
4/16/25 9:00	7.18	271	15.5	4.19	15.2	23.9	29.6	41.4	1.51	393	347.4	17.0	6.03	2670	2637	2686
4/16/25 10:00	7.06	270	16.1	4.23	15.2	24.9	25.2	41.4	1.50	396	360.8	17.0	6.11	2749	2649	2686
4/16/25 11:00	7.02	271	15.9	4.29	15.1	24.7	24.2	41.4	1.46	387	351.3	17.4	5.22	2917	2703	2686
4/16/25 12:00	7.11	273	18.5	5.68	15.2	32.1	24.5	41.4	1.45	378	260.9	17.5	4.95	2196	2779	2686
4/16/25 13:00	7.15	272	18.2	4.46	15.2	28.7	27.2	41.4	1.46	376	286.9	17.4	5.17	2395	2621	2685
4/16/25 14:00	7.02	272	18.3	4.45	15.3	28.9	28.5	41.4	1.45	375	240.6	17.4	5.31	2022	2503	2685
4/16/25 15:00	7.00	273	19.2	4.52	15.5	30.5	29.9	41.4	1.45	375	244.9	17.5	5.06	2073	2204	2685
4/16/25 16:00	7.01	274	18.8	4.51	15.5	29.9	29.4	41.4	1.44	375	232.3	17.5	5.09	1971	2163	2685
4/16/25 17:00	7.06	279	18.2	4.59	15.4	29.0	29.8	41.4	1.44	374	295.8	17.5	4.99	2503	2022	2685
4/16/25 18:00	7.43	278	19.3	5.56	15.4	33.4	29.8	41.4	1.46	375	254.0	17.2	5.82	2065	2182	2685
4/16/25 19:00	7.15	277	18.2	5.00	15.4	29.9	30.8	41.4	1.43	378	334.5	17.3	5.52	2812	2179	2685
4/16/25 20:00	7.27	274	18.7	4.53	15.4	29.6	30.8	41.4	1.44	382	420.0	17.3	5.59	3485	2460	2685
4/16/25 21:00	7.29	274	18.1	4.54	15.3	28.7	31.0	41.4	1.43	382	260.4	17.4	5.37	2199	2787	2685
4/16/25 22:00	7.39	273	17.6	4.76	15.5	28.5	29.4	41.4	1.43	382	293.2	17.4	5.37	2457	2832	2685
4/16/25 23:00	7.57	270	17.9	4.58	15.0	28.3	28.9	41.4	1.44	381	284.9	17.4	5.30	2363	2714	2685
4/17/25 0:00	7.39	264	18.9	5.36	15.2	32.1	28.5	41.4	1.46	386	530.8	17.2	5.66	4189	2340	2685
4/17/25 1:00	7.07	261	18.3	4.68	15.3	29.4	29.6	41.4	1.48	390	486.7	17.1	5.69	3772	3003	2685
4/17/25 2:00	6.90	262	18.2	4.28	15.3	28.3	29.9	41.4	1.49	392	465.4	17.0	5.85	3562	3441	2686
4/17/25 3:00	7.03	265	17.9	4.27	15.3	27.9	29.9	41.4	1.48	393	346.5	17.0	6.00	2646	3841	2686
4/17/25 4:00	7.03	265	17.8	4.25	15.3	27.6	28.5	41.4	1.49	394	345.7	17.0	5.85	2657	3326	2686
4/17/25 5:00	7.03	267	17.5	4.29	15.3	27.2	27.9	41.4	1.48	393	334.5	17.0	5.86	2559	2955	2686
4/17/25 6:00	7.16	267	18.2	5.46	15.2	31.0	27.6	41.4	1.49	396	388.9	16.9	6.21	2908	2621	2686
4/17/25 7:00	7.07	265	18.2	4.75	15.3	29.4	28.6	41.4	1.49	399	398.3	17.0	6.10	3034	2708	2686
4/17/25 8:00	6.93	266	17.8	4.08	15.4	27.3	29.2	41.4	1.50	403	408.3	16.9	6.10	3076	2834	2686
4/17/25 9:00	6.91	269	16.8	4.14	15.4	26.0	29.2	41.4	1.50	408	409.2	16.9	6.14	3112	3006	2686
4/17/25 10:00	6.93	269	16.0	4.21	15.3	24.8	27.6	41.4	1.48	414	407.3	16.9	6.32	3111	3074	2686
4/17/25 11:00	6.90	267	15.5	4.24	15.4	24.1	26.0	41.4	1.47	414	432.7	16.9	6.36	3324	3100	2686
4/17/25 12:00	6.78	266	16.0	5.18	15.5	26.8	25.0	41.4	1.46	413	388.0	17.0	6.22	3053	3182	2686
4/17/25 13:00	6.78	277	16.3	5.32	15.2	27.5	25.2	41.4	1.43	410	382.7	17.1	6.02	3085	3163	2686
4/17/25 14:00	7.57	284	14.6	4.65	15.1	23.2	26.1	41.4	1.41	405	373.0	17.3	5.67	3107	3154	2686
4/17/25 15:00	7.59	284	15.4	4.69	15.1	24.7	25.8	41.4	1.42	403	297.5	17.3	5.58	2499	3082	2686
4/17/25 16:00	7.61	281	15.3	4.71	15.1	24.4	25.1	41.4	1.40	401	247.5	17.3	5.59	2091	2897	2686
4/17/25 17:00	7.62	278	16.0	4.70	15.1	25.5	24.1	41.4	1.41	401	249.6	17.3	5.68	2099	2566	2686
4/17/25 18:00	7.65	277	15.6	5.54	15.1	26.6	24.9	41.4	1.41	399	235.3	17.3	5.61	1992	2230	2686
4/17/25 19:00	7.67	277	12.6	5.38	15.1	21.4	25.5	41.4	1.41	396	245.8	17.4	5.60	2087	2061	2686
4/17/25 20:00	7.64	277	11.7	4.65	15.1	18.7	24.5	41.4	1.41	397	272.9	17.3	5.63	2293	2059	2686
4/17/25 21:00	7.63	278	11.3	4.74	15.5	18.2	22.2	41.4	1.41	400	241.4	17.3	5.59	2024	2124	2686
4/17/25 22:00	7.76	277	11.1	4.76	15.0	17.8	19.4	41.4	1.42	399	249.9	17.3	5.61	2088	2135	2685
4/17/25 23:00	7.69	274	12.3	4.48	15.2	19.5	18.2	41.4	1.43	403	457.4	17.1	6.03	3666	2135	2686
4/18/25 0:00	7.55	272	12.3	5.23	15.2	20.5	18.5	41.4	1.44	409	378.9	17.1	6.11	2994	2592	2686
4/18/25 1:00	7.50	272	11.8	5.22	15.2	19.7	19.2	41.4	1.44	412	387.8	17.0	6.18	2993	2916	2686
4/18/25 2:00	7.51	272	12.4	4.47	15.2	19.5	19.9	41.3	1.48	415	390.3	16.9	6.28	2981	3218	2686
4/18/25 3:00	7.47	272	12.5	4.49	15.3	19.8	19.9	41.3	1.54	411	378.4	17.0	6.31	2930	2989	2686
4/18/25 4:00	7.48	272	13.8	4.56	15.5	22.0	19.7	41.3	1.50	411	376.9	16.9	6.30	2893	2968	2686
4/18/25 5:00	7.47	272	13.4	4.59	15.5	21.5	20.5	41.3	1.50	413	392.2	16.9	6.40	2982	2935	2686
4/18/25 6:00	7.45	273	13.6	5.50	15.5	23.3	21.1	41.3	1.48	414	384.6	16.9	6.33	2949	2935	2686
4/18/25 7:00	7.50	273	17.3	5.00	15.5	28.4	22.3	41.3	1.48	411	364.7	17.0	6.18	2799	2941	2686
4/18/25 8:00	7.50	273	19.7	4.53	15.5	31.3	24.4	41.3	1.54	412	388.4	16.9	6.37	2910	2910	2686
4/18/25 9:00	7.48	275	20.6	4.58	15.5	32.8	27.7	41.3	1.53	411	365.2	16.9	6.27	2761	2886	2686
4/18/25 10:00	7.51	275	20.1	4.60	15.5	32.1	30.8	41.3	1.53	410	364.7	16.9	6.26	2772	2823	2686
4/18/25 11:00	7.50	275	22.2	4.63	15.6	35.5	32.1	41.3	1.53	410	365.8	16.9	6.21	2776	2814	2686
4/18/25 12:00	7.46	279	24.4	5.71	15.4	42.6	33.5	41.3	1.44	414	365.6	16.9	6.30	2771	2770	2686
4/18/25 13:00	7.60	275	23.7	5.03	15.6	39.2	36.7	41.3	1.49	413	367.4	16.9	6.26	2819	2773	2686
4/18/25 14:00	7.22	270	23.8	4.48	15.5	37.7	39.1	41.3	1.42	417	377.5	16.9	6.41	2854	2789	2686
4/18/25 15:00	7.03	268	22.6	4.58	15.3	36.0	39.9	41.3	1.43	415	365.2	17.0	6.23	2834	2815	2686
4/18/25 16:00	6.81	267	22.4	4.24	15.9	35.0	37.7	41.3	1.42	411	374.5	17.0	6.43	2926	2836	2686
4/18/25 17:00	6.67	273	20.7	4.21	16.2	32.5	36.2	41.3	1.38	417	424.8	16.8	6.91	3211	2871	2686
4/18/25 18:00	6.72	275	20.6	5.02	15.9	34.3	34.5	41.3	1.38	426	463.7	16.7	7.07	3446	2990	2686
4/18/25 19:00	6.62	273	19.9	5.17	15.8	33.3	33.9	41.3	1.39	427	437.7	16.8	6.81	3292	3194	2686
4/18/25 20:00	6.78	275	18.4	4.49	15.8	29.4	33.4	41.3	1.43	424	411.1	16.8	6.72	3147	3316	2686
4/18/25 21:00	6.83	274	17.7	4.45	15.7	28.0	32.3	41.3	1.49	421	411.9	16.8	6.71	3123	3295	2686
4/18/25 22:00	6.84	274	17.9	4.43	15.6	28.2	30.2	41.3	1.48	419	422.9	16.8	6.66	3214	3188	2687
4/18/25 23:00	6.84	276	17.8	4.56	16.1	28.6	28.5	41.3	1.44	418	411.7	16.9	6.58	3141	3161	2687
4/19/25 0:00	7.02	273	19.5	5.27	15.8	33.1	28.3	41.3	1.42	416	407.5	16.9	6.63	3137	3160	2687
4/19/25 1:00	6.89	272	19.2	5.06	16.1	32.2	30.0	41.3	1.41	421	405.5	16.8	6.90	3062	3164	2687
4/19/25 2:00	6.52	273	18.8	4.28	16.2	29.7	31.3	41.3	1.39	423	405.9	16.8	6.90	3099	3113	2687
4/19/25 3:00	6.56	277	18.1	4.35	16.3	28.7	31.6	41.3	1.36	424	406.3	16.8	7.12	3103	3099	2687
4/19/25 4:00	6.69	278	16.6	4.41	16.1	26.5	30.2	41.3	1.38	425	413.3	16.8	7.09	3168	3088	2687
4/19/25 5:00	6.77	275	16.4	4.49	16.1	26.2	28.3	41.3	1.38	420	394.2	16.9	6.78	3108	3124	2687
4/19/25 6:00	6.71	277	16.8	5.14	16.1	28.3	27.1	41.3	1.37	421	380.9	16.8	7.20	2944	3126	2687
4/19/25 7:00	6.87	276	18.7	4.60	16.0	30.0	27.0	41.3	1.39	421	443.0	16.8	7.10	3375	3073	2687
4/19/25 8:00	7.00	281	19.0	4.23	16.0	29.8	28.2	41.3	1.38	421	373.4	16.8	7.01	2888	3142	2687
4/19/25 9:00	7.26	282	19.4	4.28	16.0	30.4	29.3	41.3	1.39	423	399.5	16.7	7.33	3061	3069	2687
4/19/25 10:00	7.14	280	19.0	4.31	16.0	29.9	30.1	41.3	1.38	425	391.7	16.7	7.38	3009	3108	2687
4/19/25 11:00	6.96	279	18.4	4.36	16.0	29.1	30.0	41.3	1.39	424	373.5	16.8	7.25	2929	2986	2687
4/19/25 12:00	6.97	280	19.5	5.53	15.8	33.9	29.8	41.3	1.40	421	371.5	16.8	6.91	2888	3000	2687
4/19/25 13:00	6.91	278	19.4	4.86	15.8	31.8	30.9	41.3	1.40	418	357.1	16.9	6.87	2800	2942	2687
4/19/25 14:00	6.78	276	19.5	4.50	15.7	30.9	31.6	41.3	1.41	417	357.1	16.9	6.81	2798	2873	2687
4/19/25 15:00	6.72	274	19.1	4.49	15.6	30.3	32.2	41.3	1.42	417	362.7	16.9	6.76	2816	2829	2687
4/19/25 16:00	6.80	277	19.0	4.52	15.5	30.1	31.0	41.3	1.42	417	356.5	16.9	6.70	2772	2805	2687
4/19/25 17:00	6.98	275	19.8	4.48	15.4	31.3	30.5	41.3	1.44	413	336.9	17.0	6.35	2695	2796	2687
4/19/25 18:00	6.79	273	19.8	5.61	15.4	34.4	30.6	41.3	1.47	410	327.9	17.0	6.34	2614	2761	2687
4/19/25 19:00	6.92	274	20.3	5.06	15.3	33.5	31.9	41.3	1.45	408	317.9	17.1	6.20	2559	2694	2687
4/19/25 20:00	7.08	275	21.1	4.63	15.2	33.6	33.0	41.3	1.48	406	309.2	17.1	6.09	2497	2623	2687
4/19/25 21:00	7.15	276	20.5	4.62	15.2	32.7	33.8	41.3	1.48	408	357.8	17.1	6.20	2844	2557	2687
4/19/25 22:00	7.22	273	20.7	4.60	15.6	33.1	33.3	41.3	1.45	405	319.8	17.2	5.94	2602	2634	2687
4/19/25 23:00	7.03	271	20.8	4.54	15.3	33.0	33.1	41.3	1.46	404	305.5	17.1	5.94	2462	2648	2687
4/20/25 0:00	7.08	271	20.8	5.70	15.2	36.0	32.9	41.3	1.45	405	332.1	17.1	6.01	2645	2636	2687
4/20/25 1:00	7.10	271	20.3	4.45	15.2	31.9	34.0	41.3	1.47	405	322.1	17.2	5.88	2585	2569	2687
4/20/25 2:00	7.00	273	20.2	4.35	15.1	31.5	33.6	41.3	1.47	404	333.9	17.1	5.92	2665	2564	2687
4/20/25 3:00	7.22	276	19.8	4.35	15.2	30.8	33.1	41.3	1.46	404	325.4	17.1	5.90	2610	2632	2687

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/20/25 4:00	7.23	275	19.6	4.33	15.1	30.5	31.4	41.3	1.47	401	310.9	17.2	5.83	2499	2620	2687
4/20/25 5:00	7.26	273	20.0	4.25	15.2	31.0	30.9	41.3	1.47	400	301.0	17.2	5.81	2418	2592	2687
4/20/25 6:00	6.91	270	20.5	5.60	15.2	35.4	30.8	41.3	1.48	403	330.5	17.1	5.95	2599	2509	2687
4/20/25 7:00	6.74	273	19.9	4.57	15.2	31.6	32.3	41.3	1.55	403	349.9	17.0	5.98	2721	2505	2687
4/20/25 8:00	6.82	277	19.4	4.13	15.3	29.8	32.7	41.3	1.56	402	314.7	17.1	5.87	2475	2579	2687
4/20/25 9:00	6.85	278	19.1	4.20	15.3	29.5	32.3	41.3	1.55	401	307.0	17.1	5.83	2431	2598	2687
4/20/25 10:00	6.72	279	20.7	4.42	15.3	32.5	30.3	41.3	1.56	403	328.2	17.1	5.95	2568	2542	2687
4/20/25 11:00	6.77	279	23.2	4.46	15.3	36.5	30.6	41.3	1.45	410	327.1	17.1	6.05	2584	2491	2687
4/20/25 12:00	6.71	274	24.6	5.70	15.3	43.0	32.8	41.3	1.46	408	327.5	17.1	6.01	2602	2528	2687
4/20/25 13:00	6.52	275	24.1	4.55	15.4	38.3	37.3	41.3	1.46	406	322.8	17.1	5.98	2595	2585	2687
4/20/25 14:00	6.71	277	23.0	4.26	15.4	35.7	39.3	41.3	1.47	406	321.2	17.1	6.00	2575	2594	2687
4/20/25 15:00	6.69	276	22.3	4.21	15.4	34.6	39.0	41.3	1.46	406	314.2	17.1	5.99	2534	2591	2687
4/20/25 16:00	6.64	277	21.4	4.25	15.4	33.2	36.2	41.3	1.46	406	310.3	17.2	5.97	2512	2568	2687
4/20/25 17:00	6.69	276	21.1	4.24	15.4	32.7	34.5	41.3	1.45	407	323.2	17.1	6.04	2589	2540	2687
4/20/25 18:00	6.58	277	21.5	5.67	15.2	37.3	33.5	41.3	1.44	409	348.9	17.1	6.08	2775	2545	2687
4/20/25 19:00	6.79	279	20.8	4.53	15.1	32.9	34.4	41.3	1.46	409	343.4	17.1	6.04	2739	2625	2687
4/20/25 20:00	7.01	278	19.8	4.44	15.1	31.0	34.3	41.3	1.47	407	340.1	17.1	6.00	2722	2701	2687
4/20/25 21:00	6.94	279	20.1	4.67	15.1	32.1	33.7	41.3	1.54	405	368.2	17.1	5.99	2925	2745	2687
4/20/25 22:00	7.21	278	23.1	5.01	15.3	38.0	32.0	41.3	1.54	400	303.5	17.2	5.76	2449	2795	2687
4/20/25 23:00	7.24	274	25.0	5.00	15.2	41.1	33.7	41.3	1.54	400	309.2	17.1	5.89	2469	2699	2687
4/21/25 0:00	7.23	270	26.6	6.08	15.1	47.8	37.1	41.3	1.55	398	303.5	17.1	5.86	2427	2614	2687
4/21/25 1:00	7.01	268	26.7	5.22	15.1	44.6	42.3	41.3	1.53	398	303.8	17.1	5.94	2418	2448	2687
4/21/25 2:00	6.87	269	28.0	4.87	15.2	45.4	44.5	41.3	1.55	398	300.1	17.1	5.92	2398	2438	2687
4/21/25 3:00	6.96	272	28.6	4.92	15.1	46.5	45.9	41.3	1.56	397	301.8	17.1	5.92	2402	2415	2687
4/21/25 4:00	7.08	275	30.5	4.92	15.1	49.7	45.5	41.3	1.58	395	286.6	17.1	5.82	2286	2406	2687
4/21/25 5:00	7.16	274	30.8	4.74	15.3	49.6	47.2	41.3	1.57	394	286.4	17.1	5.85	2278	2362	2687
4/21/25 6:00	7.02	274	32.4	5.87	15.2	57.1	48.6	41.3	1.56	394	293.8	17.1	5.88	2348	2322	2687
4/21/25 7:00	6.99	274	24.1	5.11	15.3	40.7	52.2	41.3	1.58	394	290.5	17.1	5.87	2293	2304	2687
4/21/25 8:00	6.95	277	19.1	4.44	15.3	30.0	49.2	41.3	1.57	394	285.4	17.1	5.90	2243	2307	2687
4/21/25 9:00	7.12	276	19.8	4.49	15.4	31.3	42.6	41.3	1.57	397	289.4	17.1	5.96	2257	2295	2686
4/21/25 10:00	6.86	276	21.0	4.51	15.4	33.2	34.0	41.3	1.56	397	289.5	17.1	5.95	2271	2265	2686
4/21/25 11:00	6.90	277	19.6	4.51	15.4	31.1	31.5	41.3	1.56	398	300.9	17.0	6.05	2343	2257	2686
4/21/25 12:00	6.86	275	22.1	5.71	15.5	38.5	31.9	41.3	1.54	400	301.5	17.0	6.12	2346	2291	2686
4/21/25 13:00	6.65	275	20.7	4.99	15.5	34.1	34.3	41.3	1.54	401	333.0	17.0	6.24	2555	2320	2686
4/21/25 14:00	6.81	278	20.7	4.61	15.6	33.2	34.6	41.3	1.53	400	315.9	17.0	6.11	2482	2415	2686
4/21/25 15:00	6.89	278	21.1	4.64	15.6	33.9	35.3	41.3	1.54	402	326.2	17.0	6.25	2509	2461	2686
4/21/25 16:00	6.89	278	22.1	4.72	15.5	35.6	33.7	41.3	1.52	401	317.6	17.0	6.19	2462	2516	2686
4/21/25 17:00	7.04	274	21.6	4.64	15.6	34.6	34.2	41.3	1.53	402	339.3	16.9	6.26	2590	2484	2686
4/21/25 18:00	6.76	276	24.3	5.63	15.5	42.1	34.7	41.3	1.51	405	372.7	16.9	6.36	2829	2520	2686
4/21/25 19:00	7.01	273	20.7	5.14	15.6	34.6	37.4	41.3	1.45	407	351.4	16.9	6.35	2713	2627	2686
4/21/25 20:00	6.88	274	19.0	4.58	15.5	30.2	37.1	41.3	1.43	405	330.1	17.0	6.31	2601	2711	2686
4/21/25 21:00	7.07	274	19.3	4.61	15.5	30.9	35.7	41.3	1.43	405	368.9	17.0	6.37	2852	2714	2686
4/21/25 22:00	6.97	272	18.3	4.51	16.2	29.4	31.9	41.2	1.42	408	374.7	17.0	6.33	2898	2722	2686
4/21/25 23:00	6.90	269	18.5	4.49	15.6	29.4	30.2	41.2	1.41	406	364.6	17.0	6.16	2777	2783	2686
4/22/25 0:00	6.70	268	18.6	5.17	15.6	31.2	29.9	41.2	1.41	407	341.0	17.0	6.15	2618	2842	2686
4/22/25 1:00	6.64	269	16.8	4.90	15.8	27.6	30.0	41.2	1.42	407	335.6	17.0	6.18	2569	2764	2686
4/22/25 2:00	6.55	271	15.5	4.26	15.7	24.2	29.4	41.2	1.43	407	350.5	17.0	6.01	2679	2655	2686
4/22/25 3:00	6.65	274	15.2	4.30	15.6	23.7	27.7	41.2	1.43	401	325.1	17.1	5.60	2511	2622	2686
4/22/25 4:00	6.82	275	14.6	4.30	15.6	22.8	25.2	41.2	1.44	399	329.4	17.0	5.68	2505	2586	2686
4/22/25 5:00	6.74	274	14.5	4.28	15.6	22.6	23.6	41.2	1.43	403	327.0	17.0	6.03	2485	2565	2686
4/22/25 6:00	6.71	274	15.8	5.21	15.5	26.6	23.1	41.2	1.43	403	330.0	17.0	5.96	2546	2501	2686
4/22/25 7:00	6.72	272	16.9	4.56	15.5	26.7	24.0	41.2	1.43	404	320.3	17.0	6.01	2476	2512	2686
4/22/25 8:00	6.70	274	17.9	4.03	15.4	27.3	25.3	41.2	1.43	403	336.3	16.9	5.77	2428	2503	2686
4/22/25 9:00	6.99	279	17.7	4.08	15.4	27.2	26.9	41.2	1.45	401	344.9	17.1	5.70	2636	2484	2686
4/22/25 10:00	7.10	278	16.9	4.11	15.4	26.0	27.1	41.2	1.43	402	336.7	17.0	5.87	2579	2513	2686
4/22/25 11:00	6.96	277	17.1	4.15	15.4	26.4	26.8	41.2	1.42	405	365.1	17.0	6.12	2798	2548	2686
4/22/25 12:00	6.97	278	17.3	5.42	15.4	29.5	26.5	41.2	1.44	407	360.6	17.0	6.07	2763	2671	2686
4/22/25 13:00	7.00	278	16.8	4.71	15.4	27.1	27.3	41.2	1.43	408	361.6	17.0	6.16	2783	2713	2686
4/22/25 14:00	7.07	279	15.9	4.45	15.4	25.1	27.7	41.2	1.43	408	364.7	17.0	6.16	2847	2781	2686
4/22/25 15:00	7.13	280	15.3	4.46	15.4	24.2	27.2	41.2	1.42	408	349.0	17.0	6.21	2734	2797	2686
4/22/25 16:00	7.11	279	15.2	4.46	15.3	24.0	25.5	41.2	1.41	409	355.1	17.0	6.21	2780	2788	2686
4/22/25 17:00	7.12	280	15.0	4.47	15.3	23.7	24.4	41.2	1.42	410	384.6	16.9	6.42	2971	2787	2686
4/22/25 18:00	7.13	278	15.5	5.43	15.3	26.4	23.9	41.2	1.42	412	372.4	17.0	6.41	2894	2828	2686
4/22/25 19:00	7.10	277	15.3	4.98	15.4	25.1	24.7	41.2	1.40	411	360.8	17.0	6.37	2829	2882	2686
4/22/25 20:00	7.06	277	14.8	4.46	15.4	23.4	25.0	41.2	1.41	413	387.2	16.9	6.42	2993	2898	2686
4/22/25 21:00	7.09	275	14.9	4.46	15.4	23.5	25.0	41.2	1.41	415	380.9	16.9	6.41	2944	2905	2686
4/22/25 22:00	7.06	277	14.7	4.66	15.8	23.7	24.0	41.2	1.40	416	396.2	17.0	6.42	3089	2922	2686
4/22/25 23:00	7.20	276	14.9	4.65	15.4	23.8	23.5	41.2	1.43	414	390.6	17.0	6.34	3085	3009	2686
4/23/25 0:00	7.16	275	14.8	5.74	15.2	25.9	23.7	41.2	1.49	410	376.4	17.1	6.28	3042	3039	2686
4/23/25 1:00	7.20	273	16.4	5.18	15.2	27.3	24.5	41.2	1.45	407	352.8	17.1	6.19	2886	3072	2687
4/23/25 2:00	7.18	272	16.1	4.77	15.2	25.9	25.7	41.2	1.44	406	345.1	17.1	6.23	2832	3004	2687
4/23/25 3:00	7.16	271	16.2	4.60	15.3	25.7	26.4	41.2	1.43	406	330.8	17.2	6.11	2725	2920	2687
4/23/25 4:00	7.13	270	15.8	4.39	15.5	24.9	26.3	41.2	1.41	405	339.7	17.2	6.04	2809	2814	2687
4/23/25 5:00	7.09	269	16.5	4.35	15.5	25.8	25.5	41.2	1.42	404	316.9	17.2	6.02	2620	2788	2687
4/23/25 6:00	7.00	270	15.2	5.59	15.5	26.4	25.5	41.2	1.46	402	322.3	17.2	6.02	2641	2718	2687
4/23/25 7:00	7.01	272	16.4	5.04	15.4	26.9	25.7	41.2	1.49	401	325.9	17.1	6.03	2616	2690	2687
4/23/25 8:00	7.06	276	19.1	4.49	15.3	30.2	26.4	41.2	1.52	401	329.8	17.1	5.99	2637	2626	2687
4/23/25 9:00	7.10	277	20.3	4.57	15.3	32.2	27.8	41.2	1.52	401	321.1	17.1	5.94	2578	2631	2686
4/23/25 10:00	7.03	275	21.0	4.59	15.2	33.4	29.8	41.2	1.51	402	339.9	17.1	5.97	2698	2610	2686
4/23/25 11:00	6.95	273	21.0	4.57	15.2	33.3	31.9	41.2	1.47	403	326.6	17.2	5.98	2641	2637	2686
4/23/25 12:00	6.91	274	21.8	5.68	15.2	37.9	33.0	41.2	1.45	404	328.8	17.2	5.97	2675	2639	2686
4/23/25 13:00	6.90	274	20.9	4.97	15.3	34.3	34.9	41.2	1.45	404	319.1	17.2	6.03	2611	2672	2686
4/23/25 14:00	6.92	275	20.2	4.57	15.3	32.1	35.2	41.2	1.43	405	319.2	17.2	6.04	2616	2643	2686
4/23/25 15:00	6.94	275	20.6	5.07	14.9	33.8	34.8	41.2	1.50	404	326.9	17.2	6.02	2662	2634	2686
4/23/25 16:00	6.81	269	21.7	4.72	15.3	34.8	33.4	41.2	1.49	403	324.7	17.2	6.04	2642	2630	2686
4/23/25 17:00	6.58	269	22.0	4.82	15.0	35.5	33.6	41.2	1.43	405	325.5	17.1	6.09	2644	2640	2686
4/23/25 18:00	6.68	270	22.5	5.85	15.1	39.5	34.7	41.2	1.41	407	337.6	17.1	6.14	2748	2649	2686
4/23/25 19:00	6.67	269	20.7	5.00	15.1	34.0	36.6	41.2	1.41	407	334.9	17.2	6.10	2739	2678	2686
4/23/25 20:00	6.64	274	19.9	4.74	15.1	31.9	36.3	41.2	1.48	405	345.2	17.1	6.11	2798	2710	2686
4/23/25 21:00	6.92	274	21.7	4.97	15.1	35.5	35.1	41.2	1.52	403	341.2	17.1	6.09	2742	2761	2686
4/23/25 22:00	6.83	272	23.1	5.00	15.1	37.9	33.8	41.2	1.51	404	353.6	17.1	6.11	2794	2760	2687
4/23/25 23:00	6.72	271	24.8	5.05	15.3	40.8	35.1	41.2	1.51	407	373.2	17.0	6.20	2900	2778	2687

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/24/25 0:00	6.76	274	24.6	6.18	15.4	44.7	38.1	41.2	1.46	410	379.9	17.0	6.18	2950	2812	2687
4/24/25 1:00	6.85	271	23.5	5.22	15.0	39.0	41.1	41.2	1.43	412	382.9	17.0	6.33	2989	2881	2687
4/24/25 2:00	6.74	270	24.4	4.83	15.0	39.4	41.5	41.2	1.42	413	383.3	17.0	6.42	2989	2946	2687
4/24/25 3:00	6.69	271	23.1	4.82	15.0	37.3	41.1	41.2	1.47	413	440.5	17.0	6.34	3428	2976	2687
4/24/25 4:00	6.97	274	23.1	4.77	15.0	37.1	38.6	41.2	1.41	412	383.5	17.0	6.22	3027	3136	2687
4/24/25 5:00	6.96	273	22.4	4.71	15.0	35.8	37.9	41.2	1.42	415	409.8	17.0	6.37	3195	3148	2687
4/24/25 6:00	6.96	273	24.5	5.89	15.0	43.3	36.7	41.2	1.42	415	402.2	17.0	6.36	3118	3217	2687
4/24/25 7:00	6.86	269	18.5	5.09	15.2	30.8	38.7	41.2	1.46	415	407.1	16.9	6.37	3140	3113	2687
4/24/25 8:00	6.73	270	17.0	4.43	15.3	26.8	36.6	41.2	1.48	412	408.8	16.9	6.39	3152	3151	2687
4/24/25 9:00	6.70	270	16.5	4.44	15.3	25.9	33.6	41.2	1.46	413	400.1	16.9	6.40	3104	3137	2687
4/24/25 10:00	6.67	271	16.1	4.44	15.4	25.4	27.8	41.2	1.47	413	410.5	16.9	6.47	3154	3132	2687
4/24/25 11:00	6.64	273	15.6	4.41	15.4	24.5	26.0	41.2	1.44	417	411.5	16.9	6.52	3181	3137	2687
4/24/25 12:00	6.66	274	16.4	5.84	15.5	29.1	25.3	41.2	1.46	417	420.3	16.9	6.55	3218	3147	2687
4/24/25 13:00	6.62	275	15.6	4.71	15.5	25.1	26.3	41.1	1.46	418	432.6	16.9	6.55	3314	3184	2687
4/24/25 14:00	6.65	275	15.6	4.67	15.5	25.1	26.2	41.1	1.47	417	435.2	16.9	6.58	3325	3238	2688
4/24/25 15:00	6.69	272	16.1	4.64	15.4	25.8	26.4	41.1	1.44	419	432.0	16.9	6.58	3333	3286	2688
4/24/25 16:00	6.66	272	14.4	4.47	15.5	22.8	25.3	41.1	1.41	423	453.8	16.8	6.77	3426	3324	2688
4/24/25 17:00	6.61	273	13.3	4.50	15.4	21.1	24.6	41.1	1.41	426	447.2	16.9	6.69	3435	3361	2688
4/24/25 18:00	6.64	274	14.2	5.71	15.5	24.9	23.2	41.1	1.40	422	450.3	16.9	6.65	3517	3398	2688
4/24/25 19:00	6.75	273	13.4	4.79	15.5	21.7	22.9	41.1	1.42	420	417.5	17.0	6.63	3299	3459	2688
4/24/25 20:00	6.68	275	15.1	4.80	15.6	24.6	22.5	41.1	1.46	418	425.9	16.9	6.69	3301	3417	2688
4/24/25 21:00	6.75	275	16.1	4.93	15.6	26.4	23.7	41.1	1.43	420	403.0	16.9	6.75	3137	3373	2688
4/24/25 22:00	6.71	275	15.7	4.98	15.8	25.9	24.2	41.1	1.39	422	411.7	16.9	6.76	3216	3246	2688
4/24/25 23:00	6.83	276	14.1	4.92	15.6	23.1	25.6	41.1	1.39	422	404.7	16.9	6.74	3166	3218	2688
4/25/25 0:00	6.82	271	16.5	5.87	15.5	29.3	25.1	41.1	1.40	419	391.3	16.9	6.53	3062	3173	2688
4/25/25 1:00	6.73	272	16.8	5.26	15.4	28.2	26.1	41.1	1.43	417	380.4	17.0	6.50	3000	3148	2688
4/25/25 2:00	6.80	272	17.9	4.85	15.4	29.1	26.8	41.1	1.44	415	381.4	16.9	6.52	2982	3076	2688
4/25/25 3:00	6.81	272	18.3	4.80	15.5	29.7	28.8	41.1	1.42	416	381.2	17.0	6.54	2998	3015	2688
4/25/25 4:00	6.70	271	17.7	4.76	15.5	28.6	29.0	41.1	1.45	416	380.5	17.0	6.53	3005	2993	2689
4/25/25 5:00	6.65	272	16.5	4.58	15.5	26.4	29.2	41.1	1.46	414	385.3	17.0	6.49	3027	2995	2689
4/25/25 6:00	6.72	274	17.3	5.68	15.3	30.1	28.2	41.1	1.39	416	383.0	17.0	6.45	3035	3010	2689
4/25/25 7:00	6.97	275	14.7	4.98	15.3	24.2	28.4	41.1	1.39	415	380.7	17.0	6.40	2996	3023	2689
4/25/25 8:00	7.05	276	14.2	4.28	15.3	22.1	26.9	41.1	1.46	415	375.5	17.0	6.38	2928	3020	2689
4/25/25 9:00	7.03	277	14.9	4.50	15.4	23.6	25.5	41.1	1.51	410	376.1	17.0	6.31	2931	2986	2689
4/25/25 10:00	6.92	274	18.3	4.60	15.4	29.2	23.3	41.1	1.53	408	367.2	17.0	6.27	2855	2952	2689
4/25/25 11:00	6.85	272	18.7	4.62	15.4	29.9	25.0	41.1	1.53	406	380.4	17.0	6.28	2931	2904	2689
4/25/25 12:00	6.66	271	21.2	6.12	15.4	38.5	27.6	41.1	1.53	406	363.6	17.0	6.31	2806	2906	2689
4/25/25 13:00	6.59	274	20.9	4.83	15.4	33.9	32.5	41.1	1.53	406	357.2	17.0	6.27	2771	2864	2689
4/25/25 14:00	6.76	275	21.1	4.74	15.4	34.0	34.1	41.1	1.51	406	362.0	17.0	6.28	2790	2836	2689
4/25/25 15:00	6.58	275	21.0	4.75	15.4	33.9	35.5	41.1	1.52	406	361.6	17.0	6.29	2796	2789	2689
4/25/25 16:00	6.63	278	21.6	4.82	15.4	35.1	33.9	41.1	1.53	406	414.6	17.0	6.32	3198	2786	2689
4/25/25 17:00	6.75	276	22.4	4.83	15.4	36.4	34.3	41.1	1.51	405	359.4	17.0	6.26	2791	2928	2689
4/25/25 18:00	6.66	276	24.7	6.11	15.3	44.5	35.1	41.1	1.50	404	355.7	17.0	6.24	2751	2928	2689
4/25/25 19:00	6.88	275	23.4	5.06	15.5	38.7	38.7	41.1	1.50	404	332.6	17.0	6.23	2598	2913	2689
4/25/25 20:00	6.74	275	24.0	4.87	15.5	39.1	39.9	41.1	1.51	403	382.4	17.0	6.29	2972	2713	2689
4/25/25 21:00	6.92	276	23.1	4.85	15.9	37.9	40.8	41.1	1.45	403	334.6	17.0	6.26	2620	2774	2689
4/25/25 22:00	6.96	274	22.0	4.79	15.6	35.7	38.6	41.1	1.46	405	333.1	17.0	6.30	2611	2730	2689
4/25/25 23:00	6.89	271	21.8	4.70	15.5	35.0	37.6	41.1	1.49	404	335.3	17.0	6.26	2614	2734	2689
4/26/25 0:00	6.74	267	25.4	6.02	15.6	46.0	36.2	41.1	1.49	405	362.6	16.9	6.38	2795	2615	2689
4/26/25 1:00	6.37	266	24.1	4.69	15.7	38.8	38.9	41.1	1.46	406	348.9	16.9	6.41	2705	2673	2689
4/26/25 2:00	6.30	268	23.6	4.59	15.6	37.8	39.9	41.1	1.40	407	348.6	17.0	6.42	2730	2705	2689
4/26/25 3:00	6.41	272	23.3	4.51	15.6	37.0	40.9	41.1	1.39	409	351.6	17.0	6.52	2762	2743	2689
4/26/25 4:00	6.44	273	24.2	4.43	15.6	38.2	37.9	41.1	1.39	411	348.4	17.0	6.44	2735	2732	2689
4/26/25 5:00	6.44	275	23.8	4.38	15.8	37.5	37.7	41.1	1.37	412	364.6	16.9	6.56	2809	2742	2689
4/26/25 6:00	6.44	274	24.1	5.62	15.8	42.1	37.6	41.1	1.37	414	357.5	16.9	6.67	2761	2769	2689
4/26/25 7:00	6.21	278	19.9	4.70	15.6	32.2	39.3	41.1	1.41	412	355.4	16.9	6.64	2752	2768	2689
4/26/25 8:00	6.43	282	17.2	4.41	15.2	27.0	37.3	41.1	1.42	409	341.3	17.0	6.28	2666	2774	2689
4/26/25 9:00	6.75	279	18.3	4.45	15.1	28.7	33.8	41.1	1.44	407	336.7	17.0	6.14	2629	2726	2689
4/26/25 10:00	6.73	278	18.4	4.49	15.1	29.0	29.3	41.1	1.46	404	354.7	17.1	5.96	2787	2682	2689
4/26/25 11:00	6.77	277	18.8	4.49	15.0	29.6	28.3	41.1	1.45	403	330.0	17.1	5.95	2587	2694	2689
4/26/25 12:00	6.71	277	21.1	5.97	15.0	37.6	29.1	41.1	1.43	403	343.5	17.0	5.85	2642	2667	2689
4/26/25 13:00	6.62	276	20.4	4.92	15.0	33.2	32.1	41.1	1.45	402	322.2	17.0	5.92	2499	2672	2689
4/26/25 14:00	6.70	280	20.1	4.89	14.9	32.5	33.5	41.1	1.46	400	320.8	17.1	5.74	2513	2576	2689
4/26/25 15:00	6.92	279	20.1	4.86	14.9	32.4	34.4	41.1	1.48	398	307.0	17.1	5.76	2438	2551	2689
4/26/25 16:00	6.82	282	20.2	4.98	14.8	32.8	32.7	41.1	1.50	396	330.9	17.1	5.78	2612	2483	2689
4/26/25 17:00	7.08	284	19.9	4.93	14.8	32.2	32.6	41.1	1.53	397	333.3	17.2	5.73	2658	2521	2689
4/26/25 18:00	7.11	285	19.7	5.96	14.7	34.8	32.5	41.1	1.53	396	302.4	17.2	5.73	2412	2569	2689
4/26/25 19:00	7.21	281	19.5	5.20	14.8	32.4	33.3	41.1	1.54	392	289.2	17.2	5.59	2331	2561	2689
4/26/25 20:00	6.99	277	19.1	4.73	14.9	30.5	33.1	41.1	1.53	394	332.5	17.1	5.80	2621	2467	2689
4/26/25 21:00	6.92	275	19.8	4.66	15.0	31.4	32.6	41.1	1.53	396	322.3	17.1	5.81	2540	2454	2689
4/26/25 22:00	6.86	274	19.3	4.65	15.1	30.8	31.5	41.1	1.53	397	309.0	17.1	5.83	2424	2497	2689
4/26/25 23:00	6.80	274	19.1	4.60	15.6	30.5	30.9	41.1	1.50	399	308.9	17.1	5.87	2416	2528	2689
4/27/25 0:00	6.80	270	19.5	5.86	15.0	34.3	30.9	41.1	1.42	403	319.9	17.1	5.87	2499	2460	2689
4/27/25 1:00	6.69	270	18.7	4.79	15.0	30.0	31.9	41.1	1.42	402	308.7	17.1	5.77	2407	2446	2689
4/27/25 2:00	6.72	268	19.4	4.61	15.0	30.8	31.6	41.1	1.43	400	309.6	17.1	5.78	2411	2441	2689
4/27/25 3:00	6.70	270	18.2	4.63	15.0	28.9	31.7	41.1	1.42	401	355.3	17.1	5.84	2743	2439	2689
4/27/25 4:00	6.77	270	17.7	4.61	15.0	28.0	29.9	41.1	1.43	401	324.2	17.1	5.79	2538	2521	2689
4/27/25 5:00	6.75	270	17.4	4.61	14.9	27.6	29.2	41.1	1.42	403	345.3	17.1	5.82	2687	2564	2689
4/27/25 6:00	6.80	270	18.2	5.92	14.9	32.0	28.2	41.1	1.48	402	399.4	17.1	5.76	3089	2656	2689
4/27/25 7:00	6.73	268	17.6	4.94	15.0	28.6	29.2	41.1	1.48	401	344.0	17.2	5.64	2719	2771	2689
4/27/25 8:00	6.64	270	16.9	4.44	14.9	26.4	29.4	41.1	1.51	400	388.4	17.1	5.80	3041	2832	2689
4/27/25 9:00	6.77	275	16.5	4.51	14.9	25.9	29.0	41.1	1.52	403	305.6	17.2	5.71	2429	2950	2689
4/27/25 10:00	6.83	274	16.1	4.54	14.9	25.5	27.0	41.1	1.50	404	321.1	17.1	5.75	2544	2730	2689
4/27/25 11:00	6.63	276	15.0	4.62	14.9	23.7	25.9	41.0	1.48	404	315.8	17.3	5.54	2564	2671	2689
4/27/25 12:00	6.69	276	15.2	5.45	14.9	25.6	25.0	41.0	1.46	406	352.4	17.2	5.68	2820	2512	2689
4/27/25 13:00	6.59	277	14.5	5.54	14.9	24.6	24.9	41.0	1.47	410	345.2	17.1	5.80	2741	2643	2689
4/27/25 14:00	6.54	277	13.8	4.93	14.9	22.4	24.7	41.0	1.46	412	342.4	17.1	5.82	2730	2708	2689
4/27/25 15:00	6.58	279	13.9	4.85	14.9	22.5	24.2	41.0	1.46	414	348.0	17.1	5.89	2767	2764	2689
4/27/25 16:00	6.59	280	13.2	4.87	14.8	21.3	23.2	41.0	1.46	415	390.7	17.1	5.94	3088	2746	2689
4/27/25 17:00	6.68	281	12.9	4.91	14.8	21.0	22.0	41.0	1.46	416	383.3	17.1	5.94	3047	2862	2689
4/27/25 18:00	6.71	280	13.2	5.44	14.9	22.3	21.6	41.0	1.45	418	396.0	17.0	6.10	3101	2967	2689
4/27/25 19:00	6.64	279	13.0	5.65	14.8	22.3	21.5	41.0	1.44	418	426.2	17.1	6.05	3361	3079	2689

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
4/27/25 20:00	6.67	281	12.4	5.29	14.8	20.6	21.9	41.0	1.46	417	393.2	17.1	6.04	3104	3170	2689
4/27/25 21:00	6.90	281	13.0	5.01	15.3	21.3	21.7	41.0	1.47	416	410.0	17.1	6.02	3230	3188	2689
4/27/25 22:00	6.90	280	12.8	4.99	15.3	21.0	21.4	41.0	1.44	414	372.8	17.1	5.97	2945	3232	2689
4/27/25 23:00	6.88	276	12.8	4.90	15.4	20.9	21.0	41.0	1.42	414	407.0	17.1	5.99	3195	3093	2689
4/28/25 0:00	6.64	273	13.5	5.47	15.5	23.2	21.1	41.0	1.37	414	391.8	17.1	5.96	3122	3123	2689
4/28/25 1:00	6.65	270	13.0	5.43	15.4	22.2	21.7	41.0	1.38	414	352.4	17.1	5.99	2839	3087	2689
4/28/25 2:00	6.56	270	12.7	4.69	15.3	20.4	22.1	41.0	1.39	412	473.3	17.1	6.11	3777	3052	2689
4/28/25 3:00	6.78	273	12.2	4.69	15.2	19.6	22.0	41.0	1.39	411	435.1	17.1	6.08	3492	3246	2689
4/28/25 4:00	6.86	273	12.8	4.67	15.2	20.4	20.7	41.0	1.39	410	361.9	17.1	6.00	2907	3370	2690
4/28/25 5:00	6.85	270	13.1	4.63	15.2	21.0	20.1	41.0	1.37	408	386.9	17.1	5.96	3096	3392	2690
4/28/25 6:00	6.69	266	13.8	5.47	15.2	23.5	20.3	41.0	1.40	410	377.4	17.1	6.11	3007	3165	2690
4/28/25 7:00	6.55	266	16.0	4.81	15.3	25.7	21.6	41.0	1.41	410	377.0	17.1	6.20	2998	3003	2690
4/28/25 8:00	6.41	270	17.1	4.22	15.2	26.5	23.4	41.0	1.41	411	361.0	17.0	6.14	2830	3034	2690
4/28/25 9:00	6.60	272	17.7	4.27	15.3	27.6	25.2	41.0	1.41	415	404.9	17.0	6.20	3187	2945	2690
4/28/25 10:00	6.49	273	17.9	4.35	15.3	28.0	26.6	41.0	1.40	414	386.4	17.1	6.09	3085	3005	2690
4/28/25 11:00	6.53	273	18.9	4.36	15.4	29.5	27.3	41.0	1.40	414	626.6	17.1	6.04	5018	3034	2690
4/28/25 12:00	6.47	274	18.0	5.62	15.3	31.3	28.4	41.0	1.42	404	321.7	17.3	5.75	2681	3763	2690
4/28/25 13:00	6.48	274	17.3	4.88	15.5	28.2	29.6	41.0	1.47	401	311.7	17.3	5.79	2584	3595	2690
4/28/25 14:00	6.38	274	16.9	4.60	15.5	27.0	29.7	41.0	1.45	401	324.1	17.2	5.86	2663	3428	2690
4/28/25 15:00	6.46	273	17.1	4.58	15.4	27.2	28.8	41.0	1.49	403	347.9	17.1	6.09	2786	2643	2690
4/28/25 16:00	6.44	271	17.5	4.61	15.4	27.9	27.5	41.0	1.48	403	327.0	17.2	5.91	2654	2678	2690
4/28/25 17:00	6.36	270	18.0	4.69	15.3	28.9	27.4	41.0	1.46	402	328.3	17.2	5.82	2671	2701	2690
4/28/25 18:00	6.41	271	19.0	5.91	15.2	33.6	28.0	41.0	1.49	404	353.1	17.1	6.00	2817	2703	2690
4/28/25 19:00	6.51	272	19.0	5.20	15.2	31.7	30.2	41.0	1.48	401	354.4	17.2	5.82	2871	2714	2690
4/28/25 20:00	6.61	272	18.9	4.79	15.2	30.4	31.4	41.0	1.48	402	432.3	17.1	5.94	3427	2786	2690
4/28/25 21:00	6.67	274	19.8	4.89	15.7	32.4	31.9	41.0	1.48	403	375.7	17.2	5.84	3051	3038	2690
4/28/25 22:00	6.85	276	18.9	4.91	15.2	30.7	31.5	41.0	1.45	404	362.4	17.1	5.95	2879	3116	2690
4/28/25 23:00	6.99	274	19.4	4.86	15.1	31.4	31.2	41.0	1.47	405	316.8	17.1	5.97	2512	3119	2690
4/29/25 0:00	6.91	273	22.3	6.08	15.1	40.0	31.5	41.0	1.44	405	308.0	17.1	5.99	2444	2814	2690
4/29/25 1:00	6.92	272	21.4	4.89	15.2	34.8	34.1	41.0	1.43	406	310.7	17.1	6.03	2460	2612	2690
4/29/25 2:00	6.76	270	22.6	4.65	15.2	36.1	35.4	41.0	1.40	408	315.4	17.1	6.06	2503	2472	2690
4/29/25 3:00	6.78	270	21.6	4.56	15.2	34.3	37.0	41.0	1.42	407	320.5	17.1	6.06	2539	2469	2690
4/29/25 4:00	6.68	269	22.0	4.49	15.2	34.7	35.1	41.0	1.39	408	320.1	17.1	6.07	2540	2500	2690
4/29/25 5:00	6.75	268	21.9	4.36	15.4	34.3	35.0	41.0	1.38	410	324.3	17.1	6.07	2560	2527	2690
4/29/25 6:00	6.54	270	22.2	5.60	15.4	38.4	34.4	41.0	1.39	410	326.3	17.1	6.07	2578	2546	2690
4/29/25 7:00	6.61	274	19.2	4.76	15.4	31.1	35.8	41.0	1.39	409	329.1	17.1	6.01	2611	2559	2690
4/29/25 8:00	6.67	277	17.2	4.13	15.5	26.6	34.6	41.0	1.37	410	338.8	17.0	6.24	2632	2583	2690
4/29/25 9:00	6.70	276	17.1	4.14	15.7	26.5	32.0	41.0	1.36	411	338.4	17.0	6.31	2638	2607	2690
4/29/25 10:00	6.48	277	16.8	4.27	15.7	26.3	28.0	41.0	1.35	411	329.3	17.0	6.41	2567	2627	2690
4/29/25 11:00	6.61	280	16.6	4.32	16.1	26.2	26.4	41.0	1.37	413	325.4	16.8	6.82	2468	2612	2690
4/29/25 12:00	6.63	283	16.9	5.29	16.2	28.7	26.3	41.0	1.37	414	326.8	16.8	6.93	2512	2558	2690
4/29/25 13:00	6.71	283	15.9	5.19	16.1	26.9	27.1	41.0	1.37	414	350.0	16.8	7.04	2733	2516	2690
4/29/25 14:00	6.71	285	14.4	4.58	16.0	23.2	27.3	41.0	1.37	413	328.9	16.9	6.86	2598	2571	2690
4/29/25 15:00	6.66	285	14.3	4.62	16.0	23.0	26.3	40.9	1.40	410	326.2	16.9	6.71	2585	2614	2690
4/29/25 16:00	6.79	286	14.2	4.64	16.0	22.9	24.4	40.9	1.37	411	329.0	16.9	6.97	2584	2639	2690
4/29/25 17:00	6.80	287	13.1	4.67	15.9	21.3	23.0	40.9	1.37	412	333.0	16.9	6.97	2627	2589	2690
4/29/25 18:00	6.87	290	14.4	5.48	15.8	24.8	22.4	40.9	1.38	411	352.8	16.9	6.67	2776	2599	2690
4/29/25 19:00	6.95	289	14.0	5.55	15.6	24.2	23.0	40.9	1.43	411	314.0	16.9	6.74	2464	2662	2690
4/29/25 20:00	6.92	285	15.5	4.79	15.3	25.0	23.4	40.9	1.42	408	342.7	17.1	6.11	2732	2622	2690
4/29/25 21:00	6.80	279	16.9	4.73	15.1	27.2	24.7	40.9	1.46	405	329.1	17.1	5.94	2636	2657	2690
4/29/25 22:00	6.84	278	17.2	4.78	15.4	27.7	25.5	40.9	1.47	403	305.7	17.2	5.84	2448	2611	2690
4/29/25 23:00	6.88	277	16.8	4.65	15.2	26.8	26.6	40.9	1.52	400	372.4	17.2	5.80	2972	2605	2690
4/30/25 0:00	6.96	273	17.4	5.54	15.1	29.8	27.3	40.9	1.50	399	319.5	17.2	5.78	2547	2685	2690
4/30/25 1:00	6.87	271	17.6	4.94	15.1	28.8	28.1	40.9	1.48	400	292.2	17.1	5.81	2309	2656	2690
4/30/25 2:00	6.78	272	17.4	4.48	15.1	27.4	28.5	40.9	1.46	402	292.4	17.1	5.85	2298	2609	2690
4/30/25 3:00	6.90	272	16.4	4.47	15.1	25.8	28.7	40.9	1.48	402	295.7	17.1	5.79	2310	2384	2690
4/30/25 4:00	6.88	270	15.9	4.42	15.1	25.0	27.3	40.9	1.47	401	306.3	17.1	5.74	2416	2306	2690
4/30/25 5:00	6.72	270	17.0	4.35	15.2	26.5	26.1	40.9	1.49	400	301.8	17.1	5.73	2368	2341	2690
4/30/25 6:00	6.75	271	17.2	5.56	15.1	29.6	25.8	40.9	1.46	400	312.7	17.1	5.68	2454	2364	2690
4/30/25 7:00	6.70	275	18.3	4.96	15.0	29.9	27.0	40.9	1.44	399	283.0	17.2	5.55	2238	2412	2690
4/30/25 8:00	6.86	277	17.1	4.30	15.0	26.5	28.7	40.9	1.48	399	318.3	17.1	5.68	2462	2353	2690
4/30/25 9:00	6.89	275	16.7	4.38	15.0	26.0	28.7	40.9	1.49	399	335.5	17.1	5.64	2616	2385	2690
4/30/25 10:00	6.69	271	16.1	4.40	15.0	25.1	27.5	40.9	1.44	404	357.9	17.1	5.75	2800	2439	2690
4/30/25 11:00	6.56	273	17.9	4.53	14.9	28.1	25.9	40.9	1.42	407	342.5	17.1	5.75	2694	2626	2690
4/30/25 12:00	6.81	271	18.1	5.87	15.0	31.8	26.4	40.9	1.42	406	340.4	17.1	5.81	2685	2703	2690
4/30/25 13:00	6.56	274	16.4	4.67	14.9	26.2	28.3	40.9	1.42	407	347.5	17.1	5.86	2729	2726	2690
4/30/25 14:00	6.98	279	15.5	4.52	15.0	24.4	28.7	40.9	1.42	407	320.3	17.1	5.87	2545	2703	2690
4/30/25 15:00	7.12	282	15.2	4.54	15.0	24.0	27.4	40.9	1.40	410	334.8	17.1	5.99	2638	2653	2690
4/30/25 16:00	7.18	277	15.7	4.50	15.0	24.7	24.9	40.9	1.40	408	322.2	17.1	5.86	2554	2638	2690
4/30/25 17:00	6.83	273	15.6	4.45	15.1	24.5	24.4	40.9	1.40	410	319.2	17.1	6.02	2507	2579	2690
4/30/25 18:00	6.67	272	16.3	5.81	15.0	28.4	24.4	40.9	1.41	411	306.8	17.1	6.01	2431	2566	2690
4/30/25 19:00	6.78	274	14.0	4.64	15.0	22.3	25.8	40.9	1.43	408	323.6	17.1	5.99	2566	2497	2689
4/30/25 20:00	6.94	277	13.7	4.58	15.3	21.7	25.0	40.9	1.43	407	325.8	17.1	5.95	2586	2501	2689
4/30/25 21:00	6.94	278	12.7	4.62	15.3	20.3	24.1	40.9	1.46	406	337.8	17.1	5.95	2668	2528	2689
4/30/25 22:00	6.98	282	12.8	4.91	15.5	20.9	21.4	40.9	1.49	405	340.7	17.1	5.96	2697	2607	2689
4/30/25 23:00	7.36	283	15.3	5.15	15.1	25.4	21.0	40.9	1.52	404	338.9	17.1	5.90	2657	2650	2689
5/1/25 0:00	7.08	276	17.3	6.34	15.0	31.7	22.2	40.9	1.48	404	345.5	17.1	5.93	2683	2674	2689
5/1/25 1:00	6.85	275	16.1	5.35	15.0	27.1	26.0	40.9	1.44	406	341.9	17.1	5.98	2685	2679	2689
5/1/25 2:00	7.03	279	16.8	5.13	14.8	27.7	28.0	40.9	1.51	404	334.5	17.1	5.85	2609	2675	2689
5/1/25 3:00	7.19	280	17.9	5.10	14.8	29.4	28.8	40.9	1.49	403	350.7	17.0	5.91	2715	2659	2689
5/1/25 4:00	7.17	280	17.5	4.91	14.9	28.4	28.0	40.9	1.49	404	361.2	17.0	5.93	2788	2670	2689
5/1/25 5:00	7.21	280	18.7	4.94	14.9	30.4	28.5	40.9	1.51	402	342.2	17.1	5.74	2679	2704	2689
5/1/25 6:00	7.10	280	22.2	6.10	14.9	39.8	29.4	40.9	1.52	401	346.8	17.1	5.85	2685	2727	2689
5/1/25 7:00	7.18	280	19.0	5.44	15.0	32.7	32.9	40.9	1.51	400	317.7	17.1	5.83	2488	2717	2689
5/1/25 8:00	7.16	285	15.1	4.74	14.9	24.1	34.3	40.9	1.53	402	355.5	17.0	6.09	2739	2617	2689
5/1/25 9:00	7.45	290	15.8	4.75	15.0	25.3	32.2	40.9	1.53	401	324.9	17.1	5.87	2546	2637	2689
5/1/25 10:00	7.53	285	17.7	4.77	15.1	28.5	27.4	40.9	1.52	398	321.2	17.1	5.82	2509	2591	2689
5/1/25 11:00	7.15	280	19.5	4.70	15.3	31.2	26.0	40.9	1.52	401	337.1	17.0	6.07	2573	2598	2689
5/1/25 12:00	7.09	279	23.0	6.10	15.1	41.4	28.3	40.9	1.55	400	319.2	17.1	5.89	2483	2543	2689
5/1/25 13:00	6.94	278	21.7	5.03	15.4	35.8	33.7	40.9	1.52	399	328.9	17.0	6.04	2540	2522	2689
5/1/25 14:00	7.03	278	20.3	4.70	15.5	32.8	36.1	40.9	1.52	402	327.4	17.0	6.10	2533	2532	2689
5/1/25 15:00	6.94	278	21.4	4.83	15.5	34.8	36.7	40.9	1.52	400	321.2	17.0	6.01	2506	2519	2689

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/1/25 16:00	7.08	282	23.1	4.93	15.6	38.0	34.5	40.9	1.53	399	322.1	17.0	5.95	2504	2526	2689
5/1/25 17:00	7.12	277	21.1	4.96	15.6	34.8	35.2	40.9	1.54	398	353.7	17.0	6.16	2709	2514	2689
5/1/25 18:00	7.11	273	25.8	6.02	15.8	46.7	35.9	40.9	1.51	396	334.0	16.9	6.48	2555	2573	2689
5/1/25 19:00	7.09	276	20.3	5.07	16.0	34.1	39.8	40.9	1.44	403	361.0	16.9	6.48	2751	2589	2689
5/1/25 20:00	6.99	275	20.6	4.55	15.9	32.9	38.5	40.9	1.39	408	328.0	17.0	6.36	2556	2672	2689
5/1/25 21:00	6.97	275	21.0	4.50	16.0	33.5	37.9	40.9	1.42	407	311.3	17.0	6.30	2440	2621	2689
5/1/25 22:00	6.98	282	19.5	4.94	16.3	32.4	33.5	40.9	1.52	403	317.2	17.0	6.24	2479	2582	2689
5/1/25 23:00	7.34	280	21.9	5.06	15.7	36.3	32.9	40.9	1.50	403	353.8	17.0	6.26	2730	2492	2689
5/2/25 0:00	7.16	276	25.1	6.15	15.5	45.6	34.1	40.9	1.48	400	318.5	17.0	6.13	2497	2550	2689
5/2/25 1:00	6.91	274	23.7	5.33	15.8	40.3	38.1	40.9	1.46	401	314.5	17.0	6.22	2466	2569	2689
5/2/25 2:00	7.03	277	22.4	4.92	15.8	36.8	40.8	40.9	1.41	404	321.6	17.0	6.28	2539	2564	2689
5/2/25 3:00	6.99	273	22.2	4.79	15.8	36.1	40.9	40.9	1.39	407	355.4	17.0	6.33	2788	2501	2689
5/2/25 4:00	6.98	278	20.4	4.65	15.8	33.0	37.8	40.9	1.40	406	338.4	17.1	6.22	2703	2598	2689
5/2/25 5:00	7.21	277	19.2	4.47	16.0	30.7	35.3	40.9	1.39	405	334.7	17.1	6.14	2664	2677	2689
5/2/25 6:00	7.15	275	21.4	5.58	16.2	37.5	33.3	40.9	1.38	405	351.6	17.0	6.37	2755	2719	2689
5/2/25 7:00	6.82	271	16.8	4.78	16.4	27.9	33.7	40.9	1.38	405	316.6	17.0	6.27	2492	2707	2689
5/2/25 8:00	6.72	273	15.0	4.14	16.5	23.5	32.0	40.8	1.36	407	370.7	16.9	6.48	2871	2637	2689
5/2/25 9:00	6.61	275	13.9	4.23	16.4	21.9	29.6	40.8	1.37	408	331.8	16.9	6.28	2520	2706	2689
5/2/25 10:00	6.66	279	13.0	4.35	16.3	20.6	24.4	40.8	1.38	407	327.2	16.9	6.19	2486	2628	2689
5/2/25 11:00	6.81	282	11.2	4.41	16.2	17.9	22.0	40.8	1.37	407	324.8	17.0	6.22	2498	2626	2689
5/2/25 12:00	6.86	283	11.7	5.42	16.1	20.2	20.1	40.8	1.36	408	328.0	17.0	6.31	2561	2502	2689
5/2/25 13:00	6.88	284	10.7	5.12	16.0	18.0	19.6	40.8	1.36	409	335.8	17.0	6.39	2618	2515	2689
5/2/25 14:00	6.89	286	9.2	4.60	15.9	14.9	18.7	40.8	1.35	411	323.4	17.0	6.52	2538	2559	2689
5/2/25 15:00	6.90	287	9.0	4.61	15.8	14.5	17.7	40.8	1.34	413	332.1	17.0	6.51	2606	2572	2689
5/2/25 16:00	6.91	287	8.7	4.63	15.8	13.9	15.8	40.8	1.36	414	332.5	16.9	6.61	2608	2587	2689
5/2/25 17:00	6.96	288	8.6	4.62	15.7	13.9	14.4	40.8	1.36	416	342.8	16.9	6.61	2681	2584	2689
5/2/25 18:00	6.94	290	9.5	5.29	15.7	16.0	14.1	40.8	1.39	418	393.0	16.9	6.85	3055	2632	2689
5/2/25 19:00	7.15	287	9.2	5.32	15.8	15.6	14.6	40.8	1.41	417	391.7	16.9	6.66	3074	2781	2689
5/2/25 20:00	7.00	284	9.4	4.73	15.6	15.2	15.2	40.8	1.47	415	380.6	17.0	6.45	3015	2937	2689
5/2/25 21:00	7.07	286	9.2	4.66	15.6	14.8	15.6	40.8	1.46	411	352.8	17.0	6.29	2795	3048	2689
5/2/25 22:00	7.30	284	10.1	4.68	15.6	16.3	15.2	40.8	1.49	410	372.0	17.0	6.26	2929	2961	2689
5/2/25 23:00	7.25	290	9.7	5.04	15.6	16.1	15.4	40.8	1.48	407	356.7	17.1	6.07	2858	2913	2689
5/3/25 0:00	7.66	284	12.4	5.69	15.4	21.6	15.7	40.8	1.47	405	322.7	17.1	6.06	2591	2861	2689
5/3/25 1:00	7.31	281	13.1	5.60	15.4	22.7	18.0	40.8	1.45	405	338.8	17.1	6.10	2701	2793	2689
5/3/25 2:00	7.14	275	13.5	4.77	15.4	21.8	20.1	40.8	1.47	403	323.5	17.1	6.00	2591	2717	2689
5/3/25 3:00	7.02	274	13.6	4.66	15.5	21.8	22.0	40.8	1.47	404	330.7	17.1	6.00	2621	2627	2689
5/3/25 4:00	6.94	274	14.4	4.75	15.5	23.2	22.1	40.8	1.49	403	325.6	17.1	5.97	2602	2638	2689
5/3/25 5:00	7.02	274	13.9	4.73	15.4	22.4	22.3	40.8	1.48	402	325.4	17.1	5.99	2586	2605	2689
5/3/25 6:00	7.02	273	14.6	5.60	15.4	25.4	22.5	40.8	1.48	402	323.1	17.1	5.99	2558	2603	2689
5/3/25 7:00	6.99	274	15.0	4.94	15.5	24.7	23.7	40.8	1.49	402	325.4	17.1	6.00	2586	2582	2689
5/3/25 8:00	7.06	275	15.3	4.44	15.5	24.1	24.2	40.8	1.49	402	329.8	17.1	6.05	2592	2576	2689
5/3/25 9:00	7.10	275	15.6	4.50	15.5	24.8	24.7	40.8	1.48	403	329.9	17.0	6.06	2568	2578	2689
5/3/25 10:00	6.95	274	16.5	4.50	15.5	26.2	24.5	40.8	1.43	406	335.3	17.0	6.12	2603	2582	2689
5/3/25 11:00	6.91	272	16.1	4.40	15.5	25.3	25.0	40.8	1.40	408	345.7	17.0	6.16	2702	2588	2689
5/3/25 12:00	6.92	273	18.9	5.77	15.4	33.4	25.4	40.8	1.39	411	345.0	17.0	6.17	2703	2624	2689
5/3/25 13:00	6.92	273	19.5	4.40	15.5	30.6	28.3	40.8	1.41	412	356.0	17.1	6.15	2816	2669	2689
5/3/25 14:00	6.94	273	19.3	4.37	15.5	30.3	29.8	40.8	1.39	413	349.2	17.1	6.12	2783	2741	2689
5/3/25 15:00	6.95	276	18.3	4.40	15.4	28.8	31.4	40.8	1.40	412	355.6	17.1	6.16	2823	2768	2689
5/3/25 16:00	7.13	275	16.9	4.38	15.4	26.5	29.9	40.8	1.41	410	343.3	17.1	6.11	2731	2808	2689
5/3/25 17:00	7.07	273	16.2	4.34	15.5	25.3	28.5	40.8	1.41	411	354.3	17.0	6.22	2801	2779	2689
5/3/25 18:00	7.03	276	16.7	5.72	15.4	29.1	26.9	40.8	1.41	410	361.6	17.1	6.12	2882	2785	2689
5/3/25 19:00	7.21	276	15.5	4.48	15.4	24.6	27.0	40.8	1.41	410	363.7	17.0	6.20	2868	2805	2689
5/3/25 20:00	7.21	279	13.0	4.47	15.5	20.6	26.3	40.8	1.42	408	403.1	17.1	6.15	3210	2850	2689
5/3/25 21:00	7.33	277	12.0	4.45	15.7	19.0	24.8	40.8	1.42	405	390.0	17.1	6.13	3112	2986	2689
5/3/25 22:00	7.18	278	12.4	4.74	15.6	20.1	21.4	40.7	1.42	406	398.1	17.0	6.21	3137	3063	2689
5/3/25 23:00	7.26	277	13.4	4.60	15.5	21.4	19.9	40.7	1.45	407	353.6	17.1	6.14	2798	3153	2689
5/4/25 0:00	7.12	279	14.1	5.85	15.3	24.9	20.1	40.7	1.50	405	356.8	17.1	6.01	2789	3016	2689
5/4/25 1:00	7.27	278	13.4	4.74	15.4	21.6	22.1	40.7	1.50	403	348.3	17.1	5.93	2715	2908	2689
5/4/25 2:00	7.19	278	13.2	4.51	15.4	20.8	22.6	40.7	1.51	402	340.1	17.1	5.89	2656	2767	2689
5/4/25 3:00	7.24	278	13.0	4.48	15.4	20.5	22.4	40.7	1.51	402	348.8	17.1	5.92	2726	2720	2689
5/4/25 4:00	7.25	277	12.5	4.43	15.4	19.7	21.0	40.7	1.50	402	344.7	17.1	5.94	2684	2699	2689
5/4/25 5:00	7.08	276	12.1	4.40	15.4	19.1	20.3	40.7	1.50	402	340.5	17.1	5.93	2648	2689	2689
5/4/25 6:00	7.15	277	13.6	5.53	15.5	23.4	19.8	40.7	1.50	402	345.3	17.0	5.94	2671	2686	2689
5/4/25 7:00	7.22	278	12.8	4.86	15.4	20.9	20.7	40.7	1.51	403	362.1	17.0	6.04	2772	2668	2689
5/4/25 8:00	7.27	280	14.1	4.29	15.5	22.0	21.1	40.7	1.48	404	360.0	17.0	6.08	2785	2697	2689
5/4/25 9:00	7.24	280	15.6	4.49	15.4	24.7	22.1	40.7	1.50	405	335.8	17.0	6.04	2614	2743	2689
5/4/25 10:00	7.19	283	16.6	4.60	15.3	26.5	22.5	40.7	1.50	405	366.8	17.0	6.13	2804	2724	2689
5/4/25 11:00	7.38	284	16.0	4.57	15.3	25.5	24.4	40.7	1.50	406	345.9	17.0	6.15	2681	2734	2689
5/4/25 12:00	7.46	287	17.4	6.04	15.3	31.2	25.6	40.7	1.51	405	343.0	17.0	6.10	2687	2700	2689
5/4/25 13:00	7.51	282	16.0	4.58	15.4	25.5	27.7	40.7	1.49	405	336.8	17.0	6.12	2650	2724	2689
5/4/25 14:00	7.28	282	16.7	4.53	15.4	26.5	27.4	40.7	1.49	404	341.3	17.0	6.11	2688	2673	2689
5/4/25 15:00	7.29	282	17.3	4.50	15.4	27.3	27.7	40.7	1.44	405	335.1	17.1	6.02	2660	2675	2689
5/4/25 16:00	7.34	281	18.5	4.60	15.4	29.6	26.4	40.7	1.48	404	353.1	17.1	6.02	2781	2666	2689
5/4/25 17:00	7.27	282	19.8	4.71	15.4	31.9	27.8	40.7	1.49	405	343.1	17.0	6.09	2655	2710	2689
5/4/25 18:00	7.29	281	21.0	5.95	15.4	37.6	29.6	40.7	1.48	407	346.6	17.0	6.13	2675	2699	2689
5/4/25 19:00	7.27	281	20.4	5.08	15.4	33.9	33.0	40.7	1.48	406	349.0	17.1	5.98	2734	2704	2689
5/4/25 20:00	7.28	282	21.1	4.88	15.4	34.4	34.4	40.7	1.48	405	352.8	17.0	5.99	2751	2688	2689
5/4/25 21:00	7.34	284	21.6	4.94	15.4	35.4	35.3	40.7	1.50	404	344.1	17.0	6.03	2664	2720	2689
5/4/25 22:00	7.44	283	21.8	4.92	15.4	35.6	34.6	40.7	1.49	403	334.6	17.0	6.03	2593	2716	2689
5/4/25 23:00	7.31	282	21.5	5.13	15.6	35.9	35.1	40.7	1.49	403	340.7	17.0	6.05	2647	2669	2689
5/5/25 0:00	7.44	283	27.8	6.28	15.1	50.9	35.6	40.7	1.49	402	329.9	17.0	6.05	2564	2635	2689
5/5/25 1:00	7.41	282	25.7	5.42	15.1	43.8	40.8	40.7	1.49	404	339.2	17.0	6.15	2622	2601	2689
5/5/25 2:00	7.33	280	26.0	4.78	15.4	42.1	43.5	40.7	1.47	406	341.1	17.0	6.18	2650	2611	2689
5/5/25 3:00	7.21	280	26.4	4.80	15.4	42.8	45.6	40.7	1.46	405	339.9	17.0	6.12	2669	2612	2689
5/5/25 4:00	7.26	278	24.8	4.62	15.4	39.6	42.9	40.7	1.40	411	345.2	17.0	6.18	2695	2647	2689
5/5/25 5:00	7.22	279	24.6	4.56	15.4	39.1	41.5	40.7	1.43	409	365.9	17.0	6.12	2874	2671	2689
5/5/25 6:00	7.31	279	27.0	5.71	15.4	47.1	40.5	40.7	1.44	409	353.4	17.0	6.17	2767	2746	2689
5/5/25 7:00	7.27	279	18.9	5.01	15.5	32.2	41.9	40.7	1.44	407	345.6	17.0	6.14	2704	2779	2689
5/5/25 8:00	7.34	286	11.6	4.45	15.4	18.2	39.5	40.7	1.48	407	339.1	17.0	6.05	2626	2782	2689
5/5/25 9:00	7.69	290	10.4	4.51	15.3	16.5	32.5	40.7	1.50	405	326.6	17.0	6.06	2550	2699	2689
5/5/25 10:00	7.74	291	12.1	4.59	15.4	19.3	22.3	40.7	1.50	403	325.7	17.1	6.03	2549	2627	2689
5/5/25 11:00	7.75	292	13.0	4.65	15.4	20.8	18.0	40.7	1.51	405	331.4	17.0	6.06	2559	2575	2689

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/5/25 12:00	7.72	292	14.8	6.21	15.3	27.3	18.8	40.7	1.51	403	326.2	17.0	5.99	2534	2553	2689
5/5/25 13:00	7.75	290	16.0	4.90	15.4	26.2	22.4	40.7	1.51	402	328.1	17.0	6.09	2545	2548	2689
5/5/25 14:00	7.73	289	17.2	4.87	15.5	28.1	24.7	40.7	1.53	401	327.1	17.0	6.12	2531	2546	2689
5/5/25 15:00	7.72	290	17.0	4.90	15.5	27.9	27.2	40.7	1.53	400	321.0	17.0	6.13	2495	2537	2689
5/5/25 16:00	7.70	292	16.3	4.93	15.5	26.7	27.4	40.7	1.51	401	325.2	16.9	6.25	2493	2524	2689
5/5/25 17:00	7.76	293	16.7	4.91	15.5	27.3	27.5	40.7	1.52	400	321.9	17.0	6.23	2503	2507	2689
5/5/25 18:00	7.81	295	18.7	6.26	15.4	34.3	27.3	40.7	1.55	400	324.5	17.0	6.29	2542	2497	2689
5/5/25 19:00	7.89	296	16.6	5.04	15.4	27.4	29.4	40.7	1.54	399	318.3	17.1	6.15	2524	2513	2689
5/5/25 20:00	7.98	296	16.4	5.04	15.6	27.1	29.7	40.7	1.55	397	321.5	17.1	6.13	2541	2523	2689
5/5/25 21:00	7.90	297	16.9	5.31	15.7	28.6	29.6	40.7	1.51	398	329.8	17.0	6.27	2556	2536	2689
5/5/25 22:00	8.08	294	16.5	5.08	15.6	27.4	27.7	40.7	1.54	402	351.3	16.9	6.35	2705	2540	2689
5/5/25 23:00	7.93	292	18.7	5.05	15.6	31.0	27.7	40.7	1.53	402	332.9	17.0	6.27	2584	2601	2689
5/6/25 0:00	7.88	292	23.3	6.38	15.6	43.2	29.0	40.7	1.55	401	330.6	16.9	6.35	2528	2615	2689
5/6/25 1:00	7.85	289	22.0	5.05	15.6	36.5	33.9	40.7	1.52	401	333.8	17.0	6.26	2577	2606	2689
5/6/25 2:00	7.77	288	22.8	4.97	15.6	37.6	36.9	40.7	1.50	402	333.4	16.9	6.33	2528	2563	2689
5/6/25 3:00	7.71	290	22.3	5.01	15.5	36.8	39.1	40.7	1.52	402	332.7	17.0	6.20	2560	2544	2689
5/6/25 4:00	7.95	290	21.2	4.88	15.4	34.6	36.9	40.7	1.46	403	338.5	16.9	6.33	2584	2555	2689
5/6/25 5:00	7.93	290	20.7	4.85	15.5	33.7	36.3	40.7	1.51	403	333.0	16.9	6.24	2547	2557	2689
5/6/25 6:00	7.85	287	21.2	6.13	15.4	38.6	35.0	40.7	1.44	405	340.2	16.9	6.30	2584	2564	2689
5/6/25 7:00	7.77	284	14.0	4.51	15.6	22.4	35.6	40.7	1.39	407	326.1	17.0	6.18	2507	2572	2689
5/6/25 8:00	7.73	283	10.4	4.25	15.8	16.3	31.6	40.7	1.40	404	310.1	17.1	6.17	2458	2546	2689
5/6/25 9:00	7.64	287	7.7	4.20	15.8	12.0	25.8	40.7	1.46	404	318.2	17.1	6.17	2525	2517	2689
5/6/25 10:00	7.69	289	6.3	4.30	15.7	9.9	16.9	40.7	1.41	407	333.4	17.0	6.25	2629	2497	2689
5/6/25 11:00	7.80	293	4.1	4.39	15.8	6.4	12.7	40.7	1.44	409	349.2	17.0	6.39	2743	2538	2689
5/6/25 12:00	7.91	295	5.9	5.61	15.8	10.5	9.4	40.6	1.39	413	358.4	17.0	6.47	2810	2632	2689
5/6/25 13:00	7.94	296	4.1	4.97	15.9	6.9	8.9	40.6	1.37	413	357.0	17.0	6.46	2803	2727	2689
5/6/25 14:00	7.98	294	4.3	4.71	15.9	7.0	7.9	40.6	1.41	413	371.9	16.9	6.53	2905	2785	2689
5/6/25 15:00	7.81	292	4.1	4.83	16.2	6.7	8.1	40.6	1.41	413	378.4	16.9	6.49	2945	2840	2689
5/6/25 16:00	7.70	289	3.2	4.73	16.4	5.3	6.9	40.6	1.37	415	370.8	16.9	6.49	2885	2885	2689
5/6/25 17:00	7.60	288	2.6	4.66	16.6	4.2	6.3	40.6	1.36	417	384.1	16.9	6.53	2996	2912	2689
5/6/25 18:00	7.55	287	4.0	5.64	16.7	7.2	5.4	40.6	1.35	419	377.3	16.9	6.59	2955	2942	2689
5/6/25 19:00	7.53	285	3.7	5.12	16.7	6.3	5.6	40.6	1.36	419	376.5	17.0	6.46	2958	2946	2689
5/6/25 20:00	7.54	282	3.3	4.64	16.7	5.3	5.9	40.6	1.38	414	381.8	17.0	6.45	3002	2970	2689
5/6/25 21:00	7.52	282	2.8	4.61	16.7	4.6	6.3	40.6	1.37	414	381.7	16.9	6.52	2957	2972	2689
5/6/25 22:00	7.53	288	1.9	4.60	17.2	3.1	5.4	40.6	1.37	416	405.4	16.9	6.59	3080	2972	2689
5/6/25 23:00	7.69	288	1.2	4.63	16.8	1.9	4.4	40.6	1.37	418	390.4	16.9	6.66	2984	3013	2689
5/7/25 0:00	7.56	289	1.8	5.53	16.9	3.3	3.2	40.6	1.38	419	395.2	16.9	6.71	3046	3007	2689
5/7/25 1:00	7.59	289	2.4	5.06	16.9	4.1	2.8	40.6	1.38	420	394.6	16.9	6.72	3034	3037	2689
5/7/25 2:00	7.56	287	2.7	4.58	16.9	4.5	3.1	40.6	1.37	420	404.0	16.8	6.73	3097	3022	2689
5/7/25 3:00	7.35	273	4.4	4.69	17.7	7.4	3.9	40.6	1.38	420	431.7	16.8	6.81	3259	3059	2690
5/7/25 4:00	6.56	271	4.0	4.71	16.6	6.6	5.3	40.6	1.37	417	414.5	16.9	6.54	3197	3130	2690
5/7/25 5:00	6.83	274	2.6	4.77	16.7	4.2	6.1	40.6	1.38	413	373.7	16.9	6.42	2829	3184	2690
5/7/25 6:00	7.00	272	4.6	5.63	16.9	8.2	6.1	40.6	1.38	410	353.4	16.9	6.44	2708	3095	2690
5/7/25 7:00	6.77	270	13.3	4.81	17.2	21.6	6.3	40.6	1.38	411	366.1	16.9	6.53	2840	2911	2690
5/7/25 8:00	6.62	270	20.1	4.09	17.5	32.0	11.3	40.6	1.37	414	369.1	16.9	6.58	2830	2792	2690
5/7/25 9:00	6.52	274	19.3	4.14	17.4	30.7	20.6	40.6	1.39	418	391.1	16.9	6.73	3013	2793	2690
5/7/25 10:00	6.70	278	16.4	4.50	17.1	26.6	28.1	40.6	1.37	422	398.7	16.8	6.78	3067	2894	2690
5/7/25 11:00	6.75	276	15.8	4.65	16.9	25.9	29.8	40.6	1.35	426	392.0	16.9	6.71	3070	2970	2690
5/7/25 12:00	6.67	277	16.8	5.82	16.9	30.4	27.8	40.6	1.35	423	411.8	16.9	6.71	3247	3050	2690
5/7/25 13:00	6.96	280	19.1	5.27	16.9	33.0	27.7	40.6	1.35	423	418.1	16.9	6.71	3310	3128	2690
5/7/25 14:00	6.91	280	17.5	4.85	16.9	29.3	29.8	40.5	1.34	424	400.9	16.9	6.74	3147	3209	2690
5/7/25 15:00	6.87	279	18.2	4.80	17.1	30.4	30.9	40.5	1.34	426	409.8	16.9	6.70	3193	3235	2690
5/7/25 16:00	6.66	279	17.6	4.79	17.0	29.3	30.9	40.5	1.36	425	391.2	16.9	6.61	3077	3217	2690
5/7/25 17:00	6.60	275	16.8	4.84	17.2	28.0	29.7	40.5	1.41	420	398.0	16.9	6.77	3126	3139	2690
5/7/25 18:00	6.74	279	16.0	5.75	17.0	28.8	29.3	40.5	1.45	419	385.9	16.9	6.69	3038	3132	2690
5/7/25 19:00	6.83	278	15.1	5.45	16.9	26.5	28.7	40.5	1.47	416	367.6	17.0	6.51	2909	3080	2690
5/7/25 20:00	6.88	276	14.4	4.83	16.8	24.0	27.8	40.5	1.48	413	371.3	17.0	6.39	2936	3024	2690
5/7/25 21:00	6.86	279	14.2	4.92	17.0	23.9	26.4	40.5	1.47	412	411.1	17.0	6.30	3213	2961	2690
5/7/25 22:00	7.16	276	14.5	4.74	16.6	23.9	24.8	40.5	1.49	410	396.1	17.1	6.07	3138	3019	2690
5/7/25 23:00	6.93	272	14.8	4.67	16.7	24.3	23.9	40.5	1.50	408	346.2	17.1	6.03	2730	3096	2690
5/8/25 0:00	6.81	271	14.8	5.72	16.7	26.5	24.0	40.5	1.49	406	381.1	17.1	5.98	2996	3027	2691
5/8/25 1:00	6.87	272	15.0	4.96	16.7	25.1	24.9	40.5	1.51	405	393.4	17.0	6.04	3061	2955	2691
5/8/25 2:00	6.94	273	15.1	4.61	16.7	24.6	25.3	40.5	1.50	405	366.0	17.0	6.05	2850	2929	2691
5/8/25 3:00	7.00	273	16.7	4.61	16.7	27.2	25.4	40.5	1.52	405	356.3	17.0	6.02	2777	2969	2691
5/8/25 4:00	7.01	273	16.1	4.57	16.5	26.1	25.6	40.5	1.50	405	350.3	17.1	5.98	2748	2896	2691
5/8/25 5:00	6.95	272	17.2	4.74	16.5	28.2	26.0	40.5	1.51	405	348.0	17.1	5.96	2730	2792	2691
5/8/25 6:00	6.90	275	19.6	6.19	16.4	36.3	27.1	40.5	1.51	403	362.6	17.1	5.94	2854	2752	2691
5/8/25 7:00	7.08	275	18.7	5.27	16.5	32.2	30.2	40.5	1.51	403	393.4	17.0	6.01	3047	2777	2691
5/8/25 8:00	6.99	275	18.9	4.57	16.7	30.8	32.2	40.5	1.50	402	339.7	17.1	5.81	2671	2877	2691
5/8/25 9:00	6.84	275	20.3	4.55	16.6	32.9	33.1	40.5	1.50	400	320.6	17.1	5.77	2514	2857	2691
5/8/25 10:00	6.96	280	19.1	4.69	16.4	31.1	31.9	40.5	1.46	397	544.0	17.3	5.38	4402	2744	2691
5/8/25 11:00	7.01	278	20.1	4.85	16.3	33.1	31.6	40.5	1.43	393	418.7	17.3	5.35	3428	3195	2691
5/8/25 12:00	7.10	278	21.8	6.37	16.1	41.0	32.4	40.5	1.37	399	305.9	17.3	5.60	2514	3448	2691
5/8/25 13:00	7.05	273	21.6	4.66	16.4	35.1	35.1	40.5	1.38	402	311.0	17.3	5.66	2554	3448	2691
5/8/25 14:00	6.77	271	22.0	4.44	16.6	35.3	36.4	40.5	1.38	403	313.8	17.2	5.72	2558	2832	2691
5/8/25 15:00	6.67	274	21.0	4.53	16.4	33.9	37.1	40.5	1.36	403	314.6	17.2	5.67	2572	2542	2691
5/8/25 16:00	6.89	274	19.6	4.45	16.5	31.4	34.8	40.5	1.39	405	379.0	17.1	5.90	3038	2561	2691
5/8/25 17:00	6.78	274	18.4	4.46	16.5	29.5	33.5	40.5	1.40	406	317.1	17.1	5.94	2538	2722	2691
5/8/25 18:00	6.82	276	19.4	5.82	16.4	35.0	31.6	40.5	1.40	406	316.0	17.1	5.94	2519	2716	2691
5/8/25 19:00	6.97	276	18.4	4.52	16.4	29.7	32.0	40.5	1.40	407	332.2	17.1	5.98	2627	2698	2691
5/8/25 20:00	6.95	280	17.6	4.63	16.2	28.5	31.4	40.5	1.39	409	332.7	17.1	5.97	2648	2562	2691
5/8/25 21:00	7.35	277	17.4	4.56	16.4	28.1	31.1	40.5	1.40	409	341.6	17.1	6.09	2717	2598	2691
5/8/25 22:00	7.00	271	17.0	4.49	16.9	27.5	28.8	40.5	1.38	409	345.1	17.1	6.00	2716	2664	2691
5/8/25 23:00	6.90	273	17.2	4.56	16.6	27.9	28.0	40.5	1.39	410	365.7	17.0	5.99	2829	2694	2691
5/9/25 0:00	7.10	271	16.9	5.84	16.4	30.5	27.8	40.5	1.42	408	351.9	17.1	5.94	2739	2754	2691
5/9/25 1:00	6.98	270	18.0	4.73	16.4	29.5	28.6	40.5	1.46	406	362.3	17.1	5.85	2793	2762	2691
5/9/25 2:00	6.94	274	17.3	4.68	16.4	28.1	29.3	40.5	1.47	405	361.0	17.1	5.77	2788	2787	2691
5/9/25 3:00	7.26	276	17.0	4.68	16.3	27.7	29.4	40.5	1.50	403	343.9	17.1	5.73	2676	2773	2691
5/9/25 4:00	7.30	274	17.0	4.60	16.1	27.5	28.4	40.5	1.50	400	315.3	17.1	5.62	2477	2752	2691
5/9/25 5:00	7.21	272	16.8	4.57	16.3	27.2	27.8	40.5	1.52	399	330.3	17.1	5.71	2571	2647	2691
5/9/25 6:00	7.11	270	16.9	5.66	16.4	29.9	27.4	40.5	1.48	401	344.6	17.0	5.84	2640	2575	2691
5/9/25 7:00	6.84	269	17.9	4.78	16.5	29.5	28.2	40.5	1.51	403	351.5	17.0	5.88	2680	2563	2691

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/9/25 8:00	6.73	272	18.1	4.13	16.5	28.3	28.9	40.5	1.48	404	361.7	17.0	5.91	2766	2631	2691
5/9/25 9:00	6.74	277	16.6	4.32	16.2	26.2	29.2	40.5	1.41	411	362.0	17.0	6.09	2781	2695	2691
5/9/25 10:00	6.89	278	19.0	4.50	16.6	30.7	28.0	40.5	1.39	416	360.6	17.0	6.12	2773	2742	2691
5/9/25 11:00	6.94	276	20.0	4.51	16.7	32.4	28.4	40.5	1.38	415	347.0	17.0	6.11	2697	2773	2691
5/9/25 12:00	6.91	273	19.8	5.49	16.8	34.8	29.8	40.5	1.40	414	341.0	17.1	6.08	2690	2750	2691
5/9/25 13:00	6.61	272	18.2	5.21	16.9	31.4	32.6	40.5	1.39	411	335.7	17.1	6.01	2683	2720	2691
5/9/25 14:00	6.72	274	16.5	4.60	17.0	27.0	32.8	40.5	1.39	408	337.9	17.1	6.07	2696	2690	2691
5/9/25 15:00	6.76	274	16.1	4.56	16.9	26.2	31.0	40.5	1.38	409	343.7	17.1	6.10	2716	2690	2691
5/9/25 16:00	6.65	275	16.1	4.60	16.8	26.3	28.2	40.5	1.37	411	338.1	17.1	6.10	2681	2698	2691
5/9/25 17:00	6.81	276	15.2	4.61	16.8	24.8	26.5	40.5	1.37	410	349.5	17.1	6.08	2790	2698	2691
5/9/25 18:00	6.86	275	15.8	5.56	16.8	27.9	25.8	40.5	1.35	410	344.3	17.1	6.00	2748	2729	2691
5/9/25 19:00	6.82	274	14.9	5.22	16.8	25.6	26.4	40.5	1.36	410	342.8	17.1	5.97	2745	2740	2691
5/9/25 20:00	6.80	271	15.2	4.66	16.6	24.9	26.1	40.5	1.36	409	355.2	17.1	5.89	2832	2761	2691
5/9/25 21:00	6.85	274	15.4	4.69	16.4	25.1	26.1	40.5	1.36	410	344.8	17.1	5.85	2749	2775	2691
5/9/25 22:00	7.08	276	15.3	4.67	16.3	25.0	25.2	40.5	1.36	410	344.8	17.1	5.85	2701	2775	2691
5/9/25 23:00	7.02	277	14.6	4.67	16.7	24.0	25.0	40.5	1.37	411	344.9	17.1	5.73	2715	2761	2691
5/10/25 0:00	7.12	274	15.2	5.49	16.3	26.5	24.7	40.5	1.41	410	347.4	17.1	5.76	2715	2722	2691
5/10/25 1:00	6.91	270	15.1	5.09	16.6	25.4	25.1	40.5	1.38	410	346.6	17.1	5.76	2754	2710	2691
5/10/25 2:00	6.66	270	15.8	4.49	16.5	25.3	25.3	40.5	1.38	409	341.4	17.1	5.78	2693	2728	2691
5/10/25 3:00	6.86	271	15.0	4.47	16.5	24.1	25.8	40.5	1.37	408	342.5	17.1	5.77	2705	2721	2691
5/10/25 4:00	6.86	270	14.9	4.44	16.5	23.9	25.0	40.5	1.38	408	339.5	17.1	5.75	2676	2718	2691
5/10/25 5:00	6.79	272	14.7	4.44	16.4	23.5	24.4	40.4	1.38	407	348.6	17.1	5.75	2715	2692	2691
5/10/25 6:00	6.90	273	13.4	5.40	16.4	23.2	23.8	40.4	1.37	405	342.1	17.2	5.70	2721	2699	2691
5/10/25 7:00	6.93	272	15.1	4.67	16.5	24.5	23.5	40.4	1.38	406	368.5	17.1	5.79	2873	2704	2691
5/10/25 8:00	6.47	272	16.6	4.00	16.6	25.8	23.7	40.4	1.38	409	340.4	17.0	5.89	2623	2770	2691
5/10/25 9:00	6.43	277	16.4	4.06	16.6	25.6	24.5	40.4	1.36	412	334.0	17.0	6.05	2609	2739	2691
5/10/25 10:00	6.52	278	16.7	4.11	16.6	26.2	25.3	40.4	1.36	411	333.0	17.1	6.00	2606	2702	2691
5/10/25 11:00	6.61	279	16.2	4.16	16.6	25.5	25.9	40.4	1.37	414	348.4	17.1	6.06	2742	2613	2691
5/10/25 12:00	6.64	283	15.9	5.40	16.6	27.6	25.8	40.4	1.36	418	385.6	17.0	6.25	2969	2652	2691
5/10/25 13:00	6.88	280	16.0	4.67	16.6	26.1	26.4	40.4	1.35	418	378.6	17.0	6.09	2962	2772	2691
5/10/25 14:00	6.59	279	16.7	4.38	16.5	26.7	26.4	40.4	1.35	420	375.7	17.0	6.16	2931	2891	2691
5/10/25 15:00	6.74	278	15.9	4.39	16.7	25.5	26.8	40.4	1.33	421	367.2	17.0	6.24	2871	2954	2691
5/10/25 16:00	6.71	276	16.4	4.41	16.8	26.4	26.1	40.4	1.34	420	395.1	16.9	6.46	3061	2921	2691
5/10/25 17:00	6.94	279	15.0	4.43	16.7	24.1	26.2	40.4	1.34	418	374.3	17.0	6.26	2968	2954	2691
5/10/25 18:00	7.16	278	14.2	5.34	16.7	24.6	25.4	40.4	1.34	418	385.2	17.0	6.38	3019	2967	2691
5/10/25 19:00	7.03	282	13.1	4.94	16.5	21.9	25.0	40.4	1.45	417	365.7	17.1	6.04	2894	3016	2691
5/10/25 20:00	7.04	280	14.5	4.46	16.6	23.2	23.5	40.4	1.46	414	357.6	17.1	6.06	2812	2960	2691
5/10/25 21:00	6.95	279	14.0	4.73	16.8	23.1	23.2	40.4	1.47	411	351.1	17.1	6.03	2772	2908	2691
5/10/25 22:00	7.19	279	13.9	4.55	16.7	22.5	22.7	40.4	1.47	410	352.8	17.0	6.08	2768	2826	2691
5/10/25 23:00	7.07	276	13.8	4.44	16.7	22.2	22.9	40.4	1.48	409	344.5	17.1	6.00	2719	2784	2691
5/11/25 0:00	6.94	275	14.0	5.21	16.6	23.9	22.6	40.4	1.49	407	344.7	17.1	5.99	2717	2753	2691
5/11/25 1:00	6.98	274	14.0	5.24	16.7	24.0	22.9	40.4	1.50	406	337.7	17.1	5.92	2651	2735	2691
5/11/25 2:00	7.02	274	14.4	4.48	16.7	23.2	23.4	40.4	1.49	405	329.6	17.1	5.89	2593	2696	2691
5/11/25 3:00	6.98	271	14.9	4.51	16.6	24.1	23.7	40.4	1.49	405	332.6	17.1	5.90	2615	2654	2691
5/11/25 4:00	6.83	272	16.4	4.64	16.6	26.7	23.8	40.4	1.49	405	342.0	17.1	5.89	2710	2620	2691
5/11/25 5:00	7.02	272	15.7	4.65	16.6	25.6	24.7	40.4	1.49	404	330.1	17.1	5.85	2597	2639	2691
5/11/25 6:00	6.96	273	16.7	5.63	16.6	29.6	25.4	40.4	1.48	403	332.3	17.1	5.86	2628	2641	2691
5/11/25 7:00	6.98	275	19.9	5.16	16.4	33.9	27.3	40.4	1.50	403	354.7	17.1	5.85	2769	2645	2691
5/11/25 8:00	7.13	276	18.8	4.62	16.4	30.6	29.7	40.4	1.51	402	344.3	17.1	5.76	2674	2665	2691
5/11/25 9:00	6.97	273	18.4	4.59	16.4	29.9	31.4	40.4	1.47	404	335.5	17.0	5.88	2572	2690	2691
5/11/25 10:00	6.74	276	18.8	4.50	16.2	30.2	31.5	40.4	1.39	409	333.7	17.1	5.83	2582	2672	2691
5/11/25 11:00	6.97	277	19.8	4.48	16.3	31.7	30.2	40.4	1.40	411	332.1	17.1	5.85	2581	2609	2691
5/11/25 12:00	6.91	278	23.5	5.74	16.2	41.7	30.6	40.4	1.40	410	329.9	17.1	5.83	2587	2578	2691
5/11/25 13:00	7.10	280	22.8	4.94	16.3	38.0	34.6	40.4	1.40	410	317.7	17.1	5.79	2506	2583	2691
5/11/25 14:00	7.21	279	22.3	4.49	16.3	35.7	37.2	40.4	1.39	412	322.7	17.1	5.82	2560	2558	2691
5/11/25 15:00	7.14	275	22.3	4.43	16.4	35.6	38.5	40.4	1.40	413	332.5	17.2	5.77	2651	2551	2691
5/11/25 16:00	6.83	274	20.4	4.37	16.5	32.5	36.4	40.4	1.43	409	330.7	17.2	5.77	2638	2572	2691
5/11/25 17:00	6.83	275	19.2	4.37	16.4	30.5	34.6	40.4	1.44	407	333.6	17.1	5.78	2642	2616	2691
5/11/25 18:00	6.84	274	20.5	5.47	16.4	35.8	32.9	40.4	1.43	407	334.8	17.1	5.75	2657	2644	2691
5/11/25 19:00	6.82	275	20.8	4.69	16.4	34.0	32.9	40.4	1.47	405	331.6	17.1	5.68	2613	2646	2691
5/11/25 20:00	6.87	275	22.1	4.73	16.4	36.3	33.4	40.4	1.48	404	328.8	17.1	5.64	2585	2637	2691
5/11/25 21:00	6.89	278	23.3	4.97	16.6	39.0	35.3	40.4	1.43	405	335.0	17.1	5.70	2621	2618	2691
5/11/25 22:00	7.23	276	22.0	4.92	16.0	36.4	36.4	40.4	1.44	405	326.8	17.1	5.67	2572	2606	2691
5/11/25 23:00	7.11	273	22.5	4.81	16.1	36.9	37.2	40.4	1.42	405	331.9	17.2	5.76	2645	2593	2691
5/12/25 0:00	6.99	273	25.6	6.09	16.1	46.9	37.4	40.4	1.43	404	327.7	17.2	5.74	2613	2613	2691
5/12/25 1:00	7.08	274	25.9	5.22	16.1	43.9	40.1	40.4	1.43	404	337.2	17.1	5.80	2640	2610	2691
5/12/25 2:00	7.09	274	26.3	5.01	16.2	43.8	42.5	40.4	1.43	404	331.2	17.1	5.74	2592	2633	2691
5/12/25 3:00	6.97	277	26.3	4.99	16.0	43.7	44.8	40.4	1.40	406	346.3	17.1	5.86	2712	2615	2691
5/12/25 4:00	7.23	275	24.3	4.83	16.2	40.0	43.8	40.4	1.41	406	344.6	17.1	5.92	2695	2648	2691
5/12/25 5:00	7.06	274	23.9	4.45	16.5	38.4	42.5	40.4	1.40	407	342.3	17.1	5.94	2673	2667	2691
5/12/25 6:00	6.99	275	24.8	5.61	16.5	43.8	40.7	40.4	1.44	406	336.5	17.1	5.94	2629	2693	2691
5/12/25 7:00	7.03	275	20.2	4.85	16.6	34.1	40.7	40.4	1.43	405	336.7	17.0	6.01	2604	2665	2691
5/12/25 8:00	7.05	279	15.8	4.17	16.6	24.8	38.8	40.4	1.42	406	326.9	17.0	6.04	2532	2635	2691
5/12/25 9:00	7.22	276	16.8	4.27	16.6	26.6	34.2	40.4	1.38	409	340.6	17.0	6.10	2663	2588	2691
5/12/25 10:00	7.12	274	16.5	4.24	16.7	26.1	28.5	40.4	1.37	414	328.7	17.0	6.11	2587	2599	2691
5/12/25 11:00	6.90	272	15.8	4.23	16.8	25.1	25.8	40.4	1.38	415	341.3	17.0	6.10	2676	2594	2691
5/12/25 12:00	6.92	272	17.3	5.50	16.6	30.2	25.9	40.4	1.38	411	339.1	17.1	6.04	2667	2642	2691
5/12/25 13:00	6.99	274	16.3	5.00	16.6	27.4	27.2	40.4	1.38	413	349.8	17.0	6.07	2737	2643	2691
5/12/25 14:00	7.01	278	16.3	4.68	16.6	26.8	27.6	40.4	1.41	413	344.2	17.0	6.18	2723	2693	2691
5/12/25 15:00	7.05	280	15.5	4.71	16.7	25.4	28.1	40.4	1.45	412	375.2	17.0	6.20	2912	2709	2691
5/12/25 16:00	7.07	280	15.7	4.68	16.7	25.7	26.5	40.4	1.38	415	386.1	17.0	6.15	2963	2791	2691
5/12/25 17:00	6.99	279	15.4	4.72	16.6	25.3	26.0	40.4	1.36	419	360.6	17.0	6.22	2794	2866	2691
5/12/25 18:00	7.02	278	16.4	5.48	16.7	28.6	25.5	40.4	1.35	421	366.3	17.0	6.25	2850	2889	2691
5/12/25 19:00	6.97	277	15.1	5.29	16.6	26.1	26.6	40.4	1.39	420	365.1	17.0	6.17	2858	2869	2691
5/12/25 20:00	6.99	276	14.1	4.63	16.5	23.0	26.7	40.4	1.40	415	368.7	17.0	6.14	2893	2834	2691
5/12/25 21:00	7.04	278	14.0	4.66	16.4	22.8	25.9	40.4	1.39	414	387.4	17.0	6.07	3024	2867	2691
5/12/25 22:00	7.26	279	16.1	4.70	16.7	26.4	24.0	40.4	1.38	414	377.4	17.1	6.05	2959	2925	2691
5/12/25 23:00	7.16	279	14.5	4.77	16.5	23.8	24.1	40.4	1.38	415	366.3	17.0	6.08	2875	2959	2691
5/13/25 0:00	7.16	278	16.3	5.72	16.5	29.1	24.3	40.4	1.43	416	379.8	17.0	6.15	2929	2953	2691
5/13/25 1:00	7.07	278	17.5	5.37	16.5	30.3	26.5	40.4	1.39	418	377.5	17.0	6.20	2894	2921	2691
5/13/25 2:00	7.05	278	17.2	4.84	16.5	28.5	27.8	40.3	1.37	420	386.3	16.9	6.36	2964	2899	2691
5/13/25 3:00	7.03	276	15.6	4.73	16.6	25.6	29.3	40.3	1.35	422	385.1	16.9	6.39	2970	2929	2691

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/13/25 4:00	7.02	276	15.9	4.66	16.5	25.9	28.1	40.3	1.35	422	378.4	17.0	6.32	2954	2943	2691
5/13/25 5:00	7.10	277	14.9	4.58	16.5	24.2	26.7	40.3	1.41	416	393.4	17.0	6.24	3065	2963	2692
5/13/25 6:00	7.16	278	17.6	5.68	16.6	31.3	25.2	40.3	1.44	413	389.8	17.0	6.19	3043	2996	2692
5/13/25 7:00	7.12	277	19.0	5.19	16.6	32.5	27.1	40.3	1.39	412	367.3	16.9	6.26	2799	3020	2692
5/13/25 8:00	7.09	278	18.3	4.46	16.3	29.2	29.3	40.3	1.46	410	357.7	17.0	6.16	2765	2969	2692
5/13/25 9:00	7.14	279	18.2	4.60	16.6	29.5	31.0	40.3	1.46	409	348.8	17.0	6.18	2699	2869	2692
5/13/25 10:00	7.08	279	16.7	4.48	16.5	27.0	30.4	40.3	1.39	410	326.5	17.1	6.16	2587	2755	2692
5/13/25 11:00	7.11	279	16.0	4.53	16.7	26.0	28.6	40.3	1.45	408	318.1	17.1	6.15	2515	2684	2692
5/13/25 12:00	7.07	279	19.3	5.91	16.6	35.1	27.5	40.3	1.44	407	328.8	17.0	6.23	2575	2601	2692
5/13/25 13:00	7.10	279	13.7	4.86	16.7	23.0	29.3	40.3	1.41	410	348.1	17.0	6.39	2761	2559	2692
5/13/25 14:00	7.06	278	9.8	4.61	16.7	15.9	28.0	40.3	1.41	414	375.1	16.9	6.59	2899	2617	2692
5/13/25 15:00	7.13	279	10.7	4.69	16.8	17.6	24.6	40.3	1.48	415	399.9	16.8	6.79	3003	2745	2692
5/13/25 16:00	7.20	281	13.2	4.87	16.9	22.0	18.8	40.3	1.49	414	393.2	16.9	6.73	3017	2888	2692
5/13/25 17:00	7.22	280	14.8	4.94	16.9	24.8	18.5	40.3	1.48	412	379.4	16.8	6.81	2894	2973	2692
5/13/25 18:00	7.15	280	15.4	6.15	16.6	28.6	21.5	40.3	1.46	412	400.5	16.8	6.74	3055	2971	2692
5/13/25 19:00	7.37	283	13.6	5.31	16.7	23.4	25.1	40.3	1.48	414	430.5	16.8	6.84	3261	2989	2692
5/13/25 20:00	7.44	283	16.0	4.91	16.7	26.8	25.6	40.3	1.48	413	402.3	16.8	6.74	3046	3070	2692
5/13/25 21:00	7.44	282	15.2	4.87	16.6	25.2	26.2	40.3	1.45	413	374.8	16.8	6.83	2845	3121	2692
5/13/25 22:00	7.32	282	15.6	4.84	17.1	26.1	25.1	40.3	1.46	415	400.3	16.8	6.96	3042	3051	2692
5/13/25 23:00	7.43	288	15.6	4.99	16.5	26.2	26.0	40.3	1.46	415	391.2	16.8	6.94	2966	2978	2692
5/14/25 0:00	7.73	285	20.9	6.32	16.5	39.3	25.8	40.3	1.46	414	384.0	16.8	6.85	2907	2951	2692
5/14/25 1:00	7.56	285	20.7	5.47	16.5	36.2	30.5	40.3	1.49	412	374.2	16.8	6.74	2832	2972	2692
5/14/25 2:00	7.57	281	22.0	5.20	16.5	37.5	33.9	40.3	1.50	411	377.0	16.8	6.69	2859	2902	2692
5/14/25 3:00	7.27	279	22.9	5.19	16.5	39.0	37.7	40.3	1.51	408	368.3	16.9	6.63	2819	2866	2692
5/14/25 4:00	7.30	278	22.6	5.12	16.5	38.2	37.6	40.3	1.51	406	355.4	16.9	6.51	2744	2837	2692
5/14/25 5:00	7.36	279	24.3	5.03	16.6	40.9	38.3	40.3	1.50	404	370.0	16.9	6.43	2846	2807	2692
5/14/25 6:00	7.38	275	26.2	6.26	16.7	49.2	39.4	40.3	1.49	407	373.2	16.8	6.59	2808	2803	2692
5/14/25 7:00	7.05	277	22.4	5.46	16.5	39.7	42.8	40.3	1.49	406	369.1	17.0	6.22	2891	2799	2692
5/14/25 8:00	7.30	279	19.0	4.83	16.2	31.2	43.3	40.3	1.49	406	380.2	17.1	5.99	3044	2849	2692
5/14/25 9:00	7.32	280	15.0	5.20	16.4	25.5	40.0	40.3	1.50	406	360.4	17.1	6.00	2890	2914	2692
5/14/25 10:00	7.22	278	8.5	5.18	16.5	14.5	32.1	40.3	1.50	408	380.1	17.1	6.06	3051	2942	2692
5/14/25 11:00	7.01	278	17.7	5.18	16.3	30.1	23.7	40.3	1.50	408	393.2	17.1	6.07	3158	2995	2692
5/14/25 12:00	7.07	276	21.5	5.44	16.4	37.3	23.4	40.3	1.49	408	363.5	17.2	6.05	2961	3033	2692
5/14/25 13:00	6.86	275	20.3	5.43	16.5	35.1	27.3	40.3	1.50	409	399.2	17.1	6.15	3213	3057	2692
5/14/25 14:00	6.88	276	21.0	5.46	16.5	36.5	34.2	40.3	1.49	407	374.8	17.2	5.96	3070	3111	2692
5/14/25 15:00	6.89	277	21.7	5.47	16.4	37.6	36.3	40.3	1.48	406	381.2	17.2	5.99	3097	3081	2692
5/14/25 16:00	7.06	275	21.8	5.44	16.4	37.9	36.4	40.3	1.47	407	379.2	17.1	6.06	3031	3127	2693
5/14/25 17:00	6.88	278	21.2	5.34	16.3	36.5	37.3	40.3	1.43	412	394.8	17.1	6.19	3155	3066	2693
5/14/25 18:00	7.15	277	23.3	5.23	16.3	39.6	37.3	40.3	1.44	413	384.6	17.1	6.18	3107	3095	2693
5/14/25 19:00	7.08	277	20.9	5.11	16.4	35.3	38.0	40.3	1.44	414	385.3	17.1	6.22	3083	3098	2693
5/14/25 20:00	7.04	282	21.4	5.16	16.4	36.4	37.1	40.3	1.45	413	387.4	17.1	6.13	3140	3115	2693
5/14/25 21:00	7.36	283	22.3	5.23	16.5	38.1	37.1	40.3	1.46	414	409.7	17.1	6.26	3280	3110	2693
5/14/25 22:00	7.34	283	21.5	5.28	16.2	36.7	36.6	40.3	1.42	415	388.1	17.0	6.27	3093	3168	2693
5/14/25 23:00	7.34	284	21.7	5.35	16.7	37.4	37.1	40.3	1.44	416	396.8	17.0	6.31	3140	3171	2693
5/15/25 0:00	7.50	282	24.1	5.20	16.3	40.9	37.4	40.3	1.45	417	411.8	17.0	6.39	3267	3171	2693
5/15/25 1:00	7.35	281	22.8	5.10	16.4	38.5	38.4	40.3	1.44	417	412.2	17.0	6.39	3277	3167	2693
5/15/25 2:00	7.35	281	23.7	5.15	16.4	40.1	39.0	40.3	1.44	417	413.6	17.0	6.37	3280	3228	2693
5/15/25 3:00	7.31	279	21.7	5.04	16.4	36.4	39.8	40.3	1.42	416	418.0	17.0	6.27	3332	3275	2693
5/15/25 4:00	7.23	276	21.3	4.98	16.5	35.7	38.3	40.3	1.39	417	431.8	17.1	6.32	3457	3296	2693
5/15/25 5:00	7.09	275	20.4	4.90	16.5	33.9	37.4	40.3	1.36	419	410.5	17.1	6.25	3323	3356	2693
5/15/25 6:00	7.09	274	21.0	4.83	16.4	34.7	35.3	40.3	1.37	419	409.6	17.1	6.19	3352	3371	2694
5/15/25 7:00	7.07	274	18.5	4.75	16.5	30.4	34.8	40.3	1.39	418	392.9	17.1	6.18	3215	3377	2694
5/15/25 8:00	6.99	273	16.4	4.72	16.7	27.0	33.0	40.3	1.41	416	425.8	17.1	6.27	3436	3297	2694
5/15/25 9:00	6.82	272	18.2	4.44	16.8	29.3	30.7	40.3	1.40	415	390.9	17.1	6.27	3167	3334	2694
5/15/25 10:00	6.75	274	20.9	4.37	16.7	33.5	28.9	40.3	1.39	416	391.5	17.1	6.32	3213	3273	2694
5/15/25 11:00	6.85	273	20.9	4.32	16.8	33.4	29.9	40.3	1.37	419	420.1	17.1	6.32	3469	3272	2694
5/15/25 12:00	6.74	274	22.6	5.35	16.8	39.4	32.0	40.3	1.38	404	1054.7	17.6	5.47	9344	3283	2695
5/15/25 13:00	6.74	274	45.8	5.06	16.9	77.1	35.4	40.3	1.40	403	1715.7	17.4	5.64	14796	5342	2696
5/15/25 14:00	6.81	276	35.5	4.55	16.9	57.7	49.9	40.3	1.40	403	867.2	17.4	5.59	7480	9203	2697
5/15/25 15:00	6.80	277	28.6	4.65	16.9	46.9	58.1	40.3	1.42	404	670.1	17.3	5.84	5796	10540	2697
5/15/25 16:00	6.89	278	27.4	4.65	16.8	44.9	60.6	40.3	1.33	408	480.6	17.4	5.86	4228	9357	2698
5/15/25 17:00	6.94	280	26.8	4.70	16.7	43.9	49.8	40.3	1.39	405	292.4	17.4	5.79	2616	5834	2698
5/15/25 18:00	7.16	284	26.2	5.53	16.5	45.9	45.2	40.3	1.40	402	262.6	17.4	5.82	2339	4213	2698
5/15/25 19:00	7.31	284	26.0	5.62	16.6	45.9	44.9	40.3	1.39	399	268.5	17.5	5.58	2403	3061	2698
5/15/25 20:00	7.30	283	29.7	5.08	16.7	50.3	45.2	40.3	1.41	400	463.6	17.3	5.91	3936	2453	2698
5/15/25 21:00	7.25	285	27.5	5.35	16.2	47.3	47.4	40.3	1.41	406	881.3	17.2	6.15	7482	2892	2698
5/15/25 22:00	7.25	296	25.2	6.93	14.5	48.1	47.9	40.3	1.44	408	393.3	17.2	6.20	3272	4607	2698
5/15/25 23:00	8.39	318	23.7	8.64	12.5	51.1	48.6	40.3	1.43	412	381.3	17.1	6.27	3094	4896	2698
5/16/25 0:00	9.61	320	24.4	9.51	12.4	57.8	48.8	40.3	1.44	414	362.7	17.1	6.31	2913	4616	2698
5/16/25 1:00	9.57	321	23.8	9.32	12.5	55.2	52.3	40.3	1.43	416	374.4	17.0	6.34	2996	3093	2698
5/16/25 2:00	9.60	321	22.4	8.48	12.4	47.5	54.7	40.3	1.43	415	373.9	17.1	6.24	3025	3001	2699
5/16/25 3:00	9.65	321	22.7	8.42	12.4	47.8	53.5	40.3	1.44	414	365.6	17.1	6.25	2963	2978	2699
5/16/25 4:00	9.72	319	23.3	8.41	12.5	49.1	50.2	40.3	1.41	413	379.3	17.0	6.37	3042	2995	2699
5/16/25 5:00	9.57	317	20.9	8.07	12.7	42.8	48.1	40.3	1.36	407	377.0	17.0	6.64	3034	3010	2699
5/16/25 6:00	9.59	315	22.5	8.84	12.4	49.8	46.6	40.3	1.36	415	345.3	17.1	6.30	2825	3013	2699
5/16/25 7:00	9.54	316	18.2	8.10	12.6	38.0	47.3	40.3	1.38	417	363.4	17.0	6.57	2942	2967	2699
5/16/25 8:00	9.47	319	14.0	7.52	12.7	27.2	43.6	40.3	1.40	419	348.9	17.0	6.56	2824	2933	2699
5/16/25 9:00	9.68	322	13.9	7.47	12.8	27.0	38.3	40.3	1.36	423	354.6	17.0	6.65	2904	2863	2699
5/16/25 10:00	9.72	323	14.1	7.69	12.9	27.9	30.7	40.3	1.34	427	344.4	17.0	6.65	2825	2890	2699
5/16/25 11:00	9.77	324	13.4	7.58	12.9	26.3	27.4	40.3	1.32	429	353.0	17.0	6.84	2884	2851	2699
5/16/25 12:00	9.70	327	13.1	8.59	13.1	28.6	27.1	40.3	1.32	429	361.3	17.0	6.88	2954	2871	2699
5/16/25 13:00	9.71	329	13.2	8.65	13.0	28.8	27.6	40.3	1.32	429	349.2	17.0	6.83	2894	2888	2699
5/16/25 14:00	9.80	330	13.1	7.98	12.7	26.7	27.9	40.3	1.31	430	353.8	17.0	6.70	2914	2911	2699
5/16/25 15:00	9.73	332	13.1	7.99	12.4	26.5	28.0	40.3	1.30	432	359.6	17.1	6.29	2889	2921	2699
5/16/25 16:00	9.72	333	12.9	8.06	12.3	26.2	27.3	40.3	1.29	431	352.8	17.1	6.07	2846	2899	2699
5/16/25 17:00	9.68	332	13.1	8.02	12.3	26.5	26.4	40.3	1.28	433	369.5	17.1	6.13	3007	2883	2699
5/16/25 18:00	9.62	330	15.2	8.62	12.3	32.7	26.4	40.3	1.29	433	386.0	17.2	6.09	3161	2914	2699
5/16/25 19:00	9.53	328	14.5	8.69	12.4	31.4	28.5	40.3	1.29	434	377.5	17.1	6.16	3087	3005	2699
5/16/25 20:00	9.52	327	14.7	7.99	12.4	29.7	30.2	40.3	1.30	435	387.1	17.1	6.32	3207	3085	2699
5/16/25 21:00	9.53	325	15.1	7.88	12.5	30.3	31.3	40.3	1.31	435	409.5	17.1	6.52	3365	3152	2699
5/16/25 22:00	9.56	324	14.5	7.83	12.9	29.1	30.5	40.3	1.31	435	382.5	17.1	6.67	3166	3220	2699
5/16/25 23:00	9.67	323	14.6	7.70	12.9	28.9	29.7	40.3	1.31	434	384.3	17.0	6.78	3192	3246	2699

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/17/25 0:00	9.70	320	16.7	8.49	12.7	35.8	29.4	40.3	1.34	431	366.8	17.1	6.65	3068	3241	2699
5/17/25 1:00	9.65	319	15.4	8.33	12.7	32.3	31.3	40.3	1.33	430	390.2	17.1	6.70	3239	3142	2699
5/17/25 2:00	9.61	318	15.0	7.68	12.7	29.6	32.3	40.3	1.33	429	367.5	17.1	6.59	3040	3167	2699
5/17/25 3:00	9.57	318	13.8	7.65	12.8	27.3	32.6	40.3	1.40	427	370.4	17.1	6.65	3067	3116	2700
5/17/25 4:00	9.58	319	15.2	7.67	12.9	30.0	29.7	40.3	1.42	425	372.2	17.0	6.69	3065	3115	2700
5/17/25 5:00	9.62	319	16.2	7.67	12.8	32.0	28.9	40.3	1.43	423	371.7	17.0	6.66	3046	3057	2700
5/17/25 6:00	9.63	319	16.2	8.50	12.7	34.6	29.7	40.3	1.45	422	371.3	17.1	6.58	3055	3059	2700
5/17/25 7:00	9.67	319	17.9	7.86	12.8	36.0	32.2	40.3	1.38	422	367.3	17.1	6.66	3045	3055	2700
5/17/25 8:00	9.65	319	17.5	7.17	12.8	33.0	34.2	40.3	1.33	425	368.5	17.0	6.73	3027	3049	2700
5/17/25 9:00	9.66	320	16.6	7.21	13.0	31.6	34.5	40.3	1.33	428	376.9	17.0	6.87	3080	3043	2700
5/17/25 10:00	9.59	322	16.8	7.25	13.0	31.9	33.5	40.3	1.33	428	370.2	17.0	6.92	3050	3051	2700
5/17/25 11:00	9.63	322	16.3	7.32	13.1	31.3	32.2	40.3	1.33	425	370.5	17.0	6.90	3073	3052	2700
5/17/25 12:00	9.61	322	17.3	8.54	13.0	37.4	31.6	40.3	1.33	421	366.1	17.0	6.75	3012	3068	2700
5/17/25 13:00	9.63	323	15.8	7.87	12.8	31.9	33.5	40.3	1.34	411	346.1	17.1	6.12	2738	3045	2700
5/17/25 14:00	9.70	322	16.4	7.55	12.7	31.9	33.5	40.3	1.35	408	346.7	17.1	6.15	2793	2941	2700
5/17/25 15:00	9.64	322	15.9	7.56	12.6	30.9	33.7	40.3	1.35	407	334.4	17.1	6.12	2697	2847	2700
5/17/25 16:00	9.66	321	16.4	7.57	12.6	32.0	31.5	40.3	1.35	406	336.1	17.1	6.06	2713	2742	2700
5/17/25 17:00	9.63	322	16.1	7.58	12.6	31.4	31.6	40.3	1.34	407	342.5	17.1	6.30	2797	2734	2700
5/17/25 18:00	9.65	321	16.1	8.59	12.6	34.7	31.4	40.3	1.35	407	343.6	17.1	6.26	2845	2736	2700
5/17/25 19:00	9.63	320	15.9	8.10	12.6	32.6	32.7	40.3	1.35	405	339.5	17.2	6.16	2807	2785	2700
5/17/25 20:00	9.66	320	16.4	7.60	12.7	32.1	32.9	40.3	1.35	404	339.4	17.1	6.22	2779	2816	2700
5/17/25 21:00	9.62	319	16.3	7.58	12.7	31.9	33.1	40.3	1.36	404	335.1	17.1	6.32	2764	2810	2700
5/17/25 22:00	9.60	317	17.0	7.60	12.9	33.4	32.2	40.3	1.35	405	340.2	17.1	6.48	2790	2783	2700
5/17/25 23:00	9.52	319	16.3	7.61	13.1	32.1	32.5	40.3	1.35	406	347.0	17.1	6.49	2847	2778	2700
5/18/25 0:00	9.70	317	17.3	8.61	12.9	37.5	32.5	40.3	1.36	406	343.1	17.1	6.56	2818	2800	2700
5/18/25 1:00	9.56	315	16.8	7.94	12.9	34.1	34.3	40.3	1.36	406	347.7	17.0	6.74	2855	2819	2700
5/18/25 2:00	9.46	315	16.3	7.54	12.9	31.9	34.6	40.3	1.36	407	348.3	17.1	6.65	2866	2840	2700
5/18/25 3:00	9.46	316	16.5	7.56	12.8	32.2	34.5	40.3	1.36	406	344.4	17.1	6.56	2847	2847	2700
5/18/25 4:00	9.48	316	16.2	7.56	12.8	31.7	32.7	40.3	1.35	405	341.4	17.1	6.51	2818	2856	2700
5/18/25 5:00	9.49	316	16.4	7.54	12.8	32.0	31.9	40.3	1.36	405	338.9	17.1	6.55	2794	2844	2700
5/18/25 6:00	9.48	317	15.0	8.57	12.8	32.6	32.0	40.3	1.36	406	358.6	17.1	6.52	2958	2820	2700
5/18/25 7:00	9.54	318	16.0	7.97	12.8	32.5	32.1	40.3	1.37	406	376.9	17.1	6.48	3092	2857	2700
5/18/25 8:00	9.58	319	16.8	7.34	12.8	32.1	32.3	40.3	1.36	406	349.6	17.1	6.45	2843	2948	2700
5/18/25 9:00	9.63	320	16.3	7.39	12.7	31.3	32.4	40.3	1.38	408	343.0	17.0	6.71	2798	2964	2700
5/18/25 10:00	9.66	321	17.3	7.45	12.7	33.3	32.0	40.3	1.38	410	346.8	17.1	6.67	2865	2911	2700
5/18/25 11:00	9.61	322	17.1	7.48	12.7	33.1	32.3	40.3	1.37	412	352.9	17.1	6.54	2937	2835	2700
5/18/25 12:00	9.62	322	16.8	8.56	12.7	36.1	32.6	40.2	1.36	412	353.9	17.1	6.43	2950	2866	2700
5/18/25 13:00	9.65	323	16.3	8.27	12.7	34.1	34.2	40.2	1.40	412	351.8	17.1	6.52	2943	2917	2700
5/18/25 14:00	9.64	322	16.7	7.76	12.6	33.1	34.4	40.2	1.43	412	368.7	17.1	6.52	3097	2943	2700
5/18/25 15:00	9.61	322	16.8	7.78	12.6	33.3	34.4	40.2	1.41	414	391.4	17.1	6.52	3263	2997	2701
5/18/25 16:00	9.59	323	17.0	7.78	12.6	33.8	33.5	40.2	1.40	415	372.9	17.1	6.51	3121	3101	2701
5/18/25 17:00	9.57	321	17.2	7.76	12.6	34.1	33.4	40.2	1.42	414	379.2	17.1	6.47	3164	3161	2701
5/18/25 18:00	9.45	319	18.4	8.45	12.5	38.8	33.7	40.2	1.38	413	375.1	17.2	6.34	3138	3183	2701
5/18/25 19:00	9.37	318	17.0	8.46	12.5	36.0	35.6	40.2	1.41	410	373.3	17.2	6.29	3134	3141	2701
5/18/25 20:00	9.32	315	17.7	7.50	12.4	34.2	36.3	40.2	1.45	409	361.5	17.2	6.22	3028	3145	2701
5/18/25 21:00	9.15	314	17.8	7.56	12.4	34.6	36.3	40.2	1.42	410	376.3	17.1	6.30	3106	3100	2701
5/18/25 22:00	9.20	316	17.1	7.76	12.3	33.7	34.9	40.2	1.41	411	376.9	17.1	6.28	3122	3089	2701
5/18/25 23:00	9.37	317	17.1	7.77	12.6	34.0	34.1	40.2	1.38	412	376.9	17.1	6.30	3129	3085	2701
5/19/25 0:00	9.52	315	17.5	8.52	12.3	37.4	34.1	40.2	1.37	412	373.1	17.2	6.25	3123	3119	2701
5/19/25 1:00	9.26	313	17.6	8.15	12.3	36.1	35.0	40.2	1.37	411	362.9	17.2	6.18	3023	3125	2701
5/19/25 2:00	9.20	312	18.3	7.45	12.3	34.9	35.8	40.2	1.38	410	358.4	17.2	6.17	2995	3092	2701
5/19/25 3:00	9.14	313	16.5	7.71	12.1	32.2	36.2	40.2	1.40	409	360.9	17.2	6.17	3013	3047	2701
5/19/25 4:00	9.33	316	13.9	7.83	12.1	27.4	34.4	40.2	1.42	409	363.1	17.2	6.18	3010	3010	2701
5/19/25 5:00	9.39	317	13.7	7.84	12.0	27.0	31.5	40.2	1.47	409	369.3	17.2	6.16	3057	3006	2701
5/19/25 6:00	9.46	318	14.1	8.79	12.0	30.5	28.9	40.2	1.48	407	367.8	17.2	6.09	3061	3027	2701
5/19/25 7:00	9.54	319	14.3	8.20	12.1	29.5	28.3	40.2	1.50	407	369.7	17.2	6.15	3063	3043	2701
5/19/25 8:00	9.73	322	14.5	7.64	12.1	28.2	29.0	40.2	1.48	407	374.2	17.2	6.18	3095	3060	2701
5/19/25 9:00	9.83	322	13.2	7.59	12.2	25.5	29.4	40.2	1.48	408	369.6	17.2	6.17	3051	3073	2701
5/19/25 10:00	9.79	324	13.5	7.67	12.2	26.2	27.7	40.2	1.47	408	362.7	17.2	6.11	3019	3070	2701
5/19/25 11:00	9.84	325	13.9	7.68	12.2	27.1	26.7	40.2	1.47	409	372.8	17.2	6.11	3090	3055	2702
5/19/25 12:00	9.76	324	13.6	8.76	12.1	29.5	26.3	40.2	1.46	409	377.4	17.2	6.10	3135	3053	2702
5/19/25 13:00	9.77	324	13.8	8.59	12.2	29.4	27.6	40.2	1.44	410	378.8	17.2	6.09	3160	3081	2702
5/19/25 14:00	9.73	324	13.1	7.94	12.2	26.3	28.7	40.2	1.45	411	388.7	17.2	6.07	3234	3128	2702
5/19/25 15:00	9.70	324	13.7	7.93	12.2	27.3	28.4	40.2	1.48	411	387.7	17.2	6.03	3240	3177	2702
5/19/25 16:00	9.65	324	13.7	7.93	12.1	27.4	27.6	40.2	1.47	411	384.4	17.2	5.99	3213	3212	2702
5/19/25 17:00	9.64	324	13.5	7.95	12.1	27.1	27.0	40.2	1.47	411	385.6	17.2	5.98	3217	3229	2702
5/19/25 18:00	9.67	323	13.4	8.66	12.2	28.8	27.2	40.2	1.48	409	384.0	17.2	5.98	3228	3224	2702
5/19/25 19:00	9.73	322	13.2	8.80	12.2	28.8	27.7	40.2	1.48	407	381.4	17.2	6.02	3199	3219	2702
5/19/25 20:00	9.72	322	12.6	8.02	12.2	25.5	28.2	40.2	1.48	406	386.9	17.2	5.99	3223	3215	2702
5/19/25 21:00	9.72	321	12.5	7.98	12.2	25.1	27.7	40.2	1.51	405	409.6	17.2	5.93	3395	3217	2702
5/19/25 22:00	9.81	321	12.7	8.01	12.1	25.6	26.5	40.2	1.50	405	386.8	17.2	5.90	3226	3272	2702
5/19/25 23:00	9.83	320	12.8	7.95	12.1	25.6	25.4	40.2	1.52	403	368.5	17.3	5.88	3090	3281	2702
5/20/25 0:00	9.80	319	12.4	8.79	12.2	27.2	25.4	40.2	1.51	400	338.0	17.3	5.79	2875	3237	2702
5/20/25 1:00	9.61	317	13.3	8.63	12.2	28.5	26.1	40.2	1.52	400	356.6	17.2	5.92	2975	3064	2702
5/20/25 2:00	9.46	316	13.1	7.97	12.2	26.3	27.1	40.2	1.51	400	344.0	17.3	5.86	2909	2980	2702
5/20/25 3:00	9.45	315	14.6	8.02	12.2	29.5	27.3	40.2	1.50	400	350.9	17.3	5.88	2990	2920	2702
5/20/25 4:00	9.46	315	17.5	8.26	12.1	36.1	28.1	40.2	1.50	400	352.5	17.3	5.89	2987	2958	2702
5/20/25 5:00	9.46	315	16.0	8.14	12.1	32.6	30.6	40.2	1.48	401	360.7	17.3	5.91	3030	2962	2702
5/20/25 6:00	9.47	316	14.8	8.86	12.1	32.4	32.7	40.2	1.46	401	352.8	17.2	5.90	2945	3002	2703
5/20/25 7:00	9.55	316	14.7	8.16	12.2	30.2	33.7	40.2	1.49	401	353.0	17.3	5.87	2967	2987	2703
5/20/25 8:00	9.51	317	15.4	7.70	12.2	30.2	31.7	40.2	1.50	401	346.6	17.2	5.88	2860	2981	2703
5/20/25 9:00	9.55	318	15.8	7.75	12.2	30.9	30.9	40.2	1.39	407	363.4	17.2	5.99	3055	2924	2703
5/20/25 10:00	9.60	317	15.4	7.65	12.2	30.0	30.4	40.2	1.40	412	342.6	17.3	5.99	2941	2961	2703
5/20/25 11:00	9.52	317	14.5	7.65	12.2	28.2	30.4	40.2	1.40	413	360.4	17.3	5.98	3113	2952	2703
5/20/25 12:00	9.51	318	13.0	8.71	12.2	28.2	29.7	40.2	1.39	410	363.6	17.3	5.98	3125	3036	2703
5/20/25 13:00	9.66	319	13.6	8.58	12.2	29.0	28.8	40.2	1.41	409	373.1	17.3	6.02	3207	3060	2703
5/20/25 14:00	9.79	321	11.9	7.88	12.2	23.7	28.5	40.2	1.39	407	357.8	17.3	5.95	3106	3148	2703
5/20/25 15:00	9.88	321	12.7	7.87	12.3	25.2	27.0	40.2	1.38	408	367.8	17.3	5.98	3168	3146	2703
5/20/25 16:00	9.79	319	13.4	7.89	12.3	26.7	26.0	40.2	1.37	412	599.2	17.3	6.06	5083	3160	2703
5/20/25 17:00	9.51	319	13.6	7.88	12.4	27.1	25.2	40.2	1.41	412	438.6	17.3	6.03	3812	3786	2703
5/20/25 18:00	9.48	319	13.3	8.75	12.4	29.0	26.4	40.2	1.46	406	400.7	17.3	5.93	3472	4021	2703
5/20/25 19:00	9.45	319	13.4	8.62	12.5	29.0	27.6	40.2	1.44	404	341.7	17.3	6.01	2943	4122	2704

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/20/25 20:00	9.54	318	14.0	8.05	12.6	28.5	28.4	40.2	1.47	401	324.3	17.3	5.96	2790	3409	2704
5/20/25 21:00	9.57	319	13.9	8.38	12.8	29.4	28.8	40.2	1.50	396	305.6	17.4	5.84	2674	3068	2704
5/20/25 22:00	9.81	321	14.4	8.34	12.7	30.2	28.9	40.2	1.47	393	297.0	17.4	5.79	2651	2802	2704
5/20/25 23:00	9.95	320	15.2	8.30	12.6	31.6	29.4	40.2	1.47	394	282.3	17.4	5.82	2510	2705	2703
5/21/25 0:00	9.88	320	15.9	9.09	12.6	36.2	30.4	40.2	1.48	394	301.2	17.4	5.80	2666	2612	2703
5/21/25 1:00	9.93	320	16.8	9.15	12.6	38.3	32.7	40.2	1.48	395	416.3	17.3	5.79	3579	2609	2704
5/21/25 2:00	9.94	320	16.5	8.35	12.5	34.6	35.4	40.2	1.48	395	290.0	17.4	5.79	2523	2918	2704
5/21/25 3:00	9.89	319	17.1	8.35	12.6	35.9	36.4	40.2	1.49	395	283.3	17.4	5.85	2465	2923	2704
5/21/25 4:00	9.84	319	17.4	8.35	12.6	36.5	36.3	40.2	1.49	394	290.5	17.4	5.85	2546	2855	2704
5/21/25 5:00	9.84	319	17.3	8.30	12.6	36.2	35.7	40.2	1.51	392	290.8	17.4	5.85	2569	2511	2704
5/21/25 6:00	9.86	319	19.8	9.15	12.6	45.3	36.2	40.2	1.53	391	282.1	17.4	5.83	2502	2527	2703
5/21/25 7:00	9.94	320	15.8	8.42	12.7	33.8	39.3	40.2	1.52	389	276.6	17.4	5.85	2441	2539	2703
5/21/25 8:00	9.95	321	14.1	7.77	12.7	28.0	38.4	40.2	1.53	390	299.0	17.4	5.92	2613	2504	2703
5/21/25 9:00	10.00	320	15.0	7.70	12.8	29.6	35.7	40.2	1.52	391	293.8	17.3	6.03	2538	2519	2703
5/21/25 10:00	9.89	315	17.5	7.18	13.3	33.3	30.5	40.2	1.52	394	302.4	17.3	6.07	2592	2531	2703
5/21/25 11:00	9.33	309	30.8	6.87	13.5	57.2	30.3	40.2	1.51	394	300.7	17.3	6.06	2588	2581	2703
5/21/25 12:00	9.10	308	34.0	8.15	13.5	71.5	40.0	40.2	1.52	393	297.6	17.3	6.08	2564	2573	2703
5/21/25 13:00	9.18	307	34.2	7.43	13.5	67.0	54.0	40.2	1.53	392	293.5	17.3	6.07	2544	2581	2703
5/21/25 14:00	9.16	307	33.9	7.18	13.4	64.7	65.2	40.2	1.53	392	299.2	17.3	6.11	2586	2565	2703
5/21/25 15:00	9.18	307	34.2	7.18	13.4	65.3	67.7	40.2	1.52	392	306.5	17.3	6.17	2635	2565	2703
5/21/25 16:00	9.17	308	33.8	7.33	13.3	65.2	65.6	40.2	1.51	393	302.9	17.2	6.23	2593	2588	2703
5/21/25 17:00	9.31	308	34.2	7.40	13.2	66.3	65.1	40.2	1.52	394	302.9	17.2	6.23	2590	2605	2703
5/21/25 18:00	9.33	307	36.6	8.45	13.2	78.8	65.6	40.2	1.52	393	303.0	17.2	6.20	2590	2606	2703
5/21/25 19:00	9.18	307	34.5	7.83	13.3	70.0	70.1	40.2	1.54	393	300.3	17.3	6.17	2584	2591	2703
5/21/25 20:00	9.23	307	33.5	7.32	13.3	64.6	71.7	40.2	1.54	390	298.2	17.3	6.13	2575	2588	2703
5/21/25 21:00	9.37	308	33.3	7.34	13.4	64.4	71.1	40.2	1.54	390	294.4	17.3	6.13	2540	2583	2703
5/21/25 22:00	9.44	310	32.9	7.48	13.4	64.4	66.3	40.2	1.53	391	299.4	17.3	6.17	2566	2566	2703
5/21/25 23:00	9.53	308	34.3	7.37	13.2	66.3	64.5	40.2	1.51	392	301.8	17.2	6.19	2572	2560	2703
5/22/25 0:00	9.32	306	38.6	8.43	13.2	83.1	65.0	40.2	1.49	395	306.9	17.2	6.33	2565	2559	2703
5/22/25 1:00	9.30	305	36.9	7.78	13.3	74.4	71.3	40.2	1.49	397	313.6	17.1	6.50	2610	2568	2703
5/22/25 2:00	9.25	307	35.1	7.33	13.2	67.7	74.6	40.2	1.50	396	343.5	17.2	6.33	2893	2582	2703
5/22/25 3:00	9.68	308	36.4	7.42	13.2	70.7	75.1	40.2	1.52	394	309.1	17.2	6.23	2613	2689	2703
5/22/25 4:00	9.53	307	38.3	7.52	13.2	75.1	70.9	40.2	1.53	396	317.4	17.1	6.27	2623	2705	2703
5/22/25 5:00	9.51	309	37.6	7.53	13.1	73.6	71.2	40.2	1.51	397	314.6	17.2	6.19	2606	2710	2703
5/22/25 6:00	9.56	309	40.2	8.59	13.0	87.6	73.2	40.2	1.52	397	308.0	17.2	6.24	2570	2614	2703
5/22/25 7:00	9.60	309	29.5	7.98	13.1	61.4	78.8	40.2	1.51	397	305.5	17.1	6.25	2518	2600	2703
5/22/25 8:00	9.53	307	25.0	7.26	13.2	47.9	74.2	40.2	1.39	403	334.2	17.0	6.60	2696	2565	2703
5/22/25 9:00	9.21	306	23.2	7.06	13.2	43.6	65.6	40.2	1.37	411	369.1	17.0	6.66	3004	2595	2703
5/22/25 10:00	9.22	306	22.2	6.83	13.3	41.1	51.0	40.2	1.37	413	353.0	17.0	6.68	2862	2739	2703
5/22/25 11:00	9.18	306	21.0	6.81	13.4	38.8	44.2	40.2	1.36	415	352.9	17.0	6.68	2815	2854	2703
5/22/25 12:00	9.20	308	22.9	7.91	13.3	46.6	41.1	40.2	1.36	414	345.6	17.0	6.62	2763	2894	2703
5/22/25 13:00	9.37	308	20.8	7.56	13.3	41.1	42.1	40.2	1.37	412	342.0	17.0	6.59	2750	2813	2703
5/22/25 14:00	9.30	307	22.0	6.96	13.4	41.2	42.1	40.2	1.35	414	339.4	17.0	6.62	2725	2776	2703
5/22/25 15:00	9.18	307	21.4	6.95	13.5	40.0	43.0	40.2	1.35	415	339.2	17.0	6.61	2731	2746	2703
5/22/25 16:00	9.18	307	21.4	6.94	13.5	40.0	40.8	40.2	1.36	414	343.0	17.0	6.60	2760	2735	2703
5/22/25 17:00	9.15	307	21.4	6.94	13.5	39.9	40.4	40.2	1.39	413	346.5	17.0	6.57	2805	2738	2703
5/22/25 18:00	9.05	307	23.7	7.95	13.4	48.8	40.0	40.2	1.47	408	362.2	17.1	6.44	2938	2765	2703
5/22/25 19:00	9.08	308	26.0	8.37	13.3	55.5	42.9	40.2	1.49	406	378.2	17.0	6.34	3031	2834	2703
5/22/25 20:00	9.17	307	28.3	7.67	13.3	56.5	48.1	40.3	1.49	404	366.8	17.0	6.29	2922	2925	2703
5/22/25 21:00	9.05	306	29.1	7.64	13.2	57.8	53.6	40.3	1.49	405	367.6	17.0	6.43	2872	2963	2703
5/22/25 22:00	8.96	306	26.7	7.56	13.6	52.9	56.6	40.3	1.47	408	370.4	17.0	6.60	2939	2942	2703
5/22/25 23:00	8.96	307	25.0	7.33	13.6	48.5	55.7	40.3	1.44	410	392.5	17.0	6.64	3118	2911	2703
5/23/25 0:00	8.99	305	26.3	7.80	13.5	53.4	53.1	40.3	1.37	412	392.3	17.0	6.68	3133	2976	2703
5/23/25 1:00	8.82	304	24.3	7.81	13.5	49.2	51.6	40.3	1.36	414	409.8	17.0	6.69	3303	3063	2704
5/23/25 2:00	8.81	304	23.0	7.17	13.4	43.8	50.4	40.3	1.38	412	391.3	17.0	6.53	3174	3185	2704
5/23/25 3:00	8.84	305	22.2	7.04	13.4	41.8	48.8	40.3	1.39	410	369.8	17.1	6.45	3018	3203	2704
5/23/25 4:00	8.84	305	21.7	7.02	13.4	40.8	45.0	40.3	1.38	409	369.9	17.1	6.38	2994	3165	2704
5/23/25 5:00	8.90	306	20.9	7.04	13.4	39.4	42.1	40.3	1.38	408	367.9	17.0	6.26	2917	3062	2704
5/23/25 6:00	9.00	306	21.2	7.69	13.3	42.5	40.7	40.3	1.38	406	353.4	17.1	6.21	2829	2976	2704
5/23/25 7:00	8.99	307	22.1	7.22	13.3	42.2	40.9	40.3	1.38	405	365.2	17.1	6.07	2890	2913	2704
5/23/25 8:00	8.98	308	22.3	6.77	13.2	40.8	41.3	40.3	1.38	404	353.9	17.1	5.96	2783	2879	2704
5/23/25 9:00	9.01	307	22.6	6.84	13.1	41.6	41.8	40.3	1.38	404	352.3	17.1	5.89	2777	2834	2704
5/23/25 10:00	8.72	305	22.8	6.85	13.1	42.1	41.5	40.3	1.38	405	358.4	17.1	5.97	2850	2817	2704
5/23/25 11:00	8.64	305	22.5	6.89	13.1	41.5	41.5	40.3	1.37	405	351.0	17.1	5.89	2757	2804	2704
5/23/25 12:00	8.64	305	22.6	7.56	13.2	44.7	41.7	40.3	1.37	405	357.0	17.1	5.89	2813	2795	2704
5/23/25 13:00	8.59	304	21.9	7.65	13.3	43.6	42.8	40.3	1.37	404	360.1	17.1	5.88	2833	2807	2704
5/23/25 14:00	8.63	305	22.0	6.95	13.3	41.0	43.3	40.3	1.37	403	360.5	17.1	5.84	2855	2801	2704
5/23/25 15:00	8.71	305	21.2	6.91	13.3	39.3	43.1	40.3	1.37	402	351.4	17.1	5.93	2802	2834	2704
5/23/25 16:00	8.71	305	21.4	6.92	13.3	39.8	41.3	40.3	1.38	403	368.0	17.1	5.98	2911	2830	2704
5/23/25 17:00	8.73	307	20.6	6.91	13.3	38.3	40.0	40.3	1.38	403	373.5	17.1	5.99	3006	2856	2704
5/23/25 18:00	8.86	307	21.6	7.44	13.4	42.2	39.1	40.3	1.37	403	349.1	17.1	6.06	2810	2906	2704
5/23/25 19:00	8.86	306	20.5	7.58	13.4	40.6	40.1	40.3	1.37	404	345.2	17.1	6.23	2775	2909	2704
5/23/25 20:00	8.83	305	21.1	7.12	13.4	40.0	40.4	40.3	1.37	404	356.2	17.1	6.35	2873	2864	2704
5/23/25 21:00	8.69	304	20.3	6.93	13.5	38.0	40.9	40.3	1.38	406	361.1	17.0	6.52	2919	2819	2704
5/23/25 22:00	8.72	304	20.6	6.91	13.4	38.4	39.5	40.3	1.38	407	355.9	17.0	6.61	2882	2856	2704
5/23/25 23:00	8.72	304	20.7	6.88	13.5	38.5	38.8	40.3	1.38	408	359.8	17.1	6.34	2912	2891	2704
5/24/25 0:00	8.73	305	20.6	7.52	14.1	41.3	38.3	40.3	1.38	407	369.1	17.1	6.24	2988	2904	2704
5/24/25 1:00	8.84	305	19.6	7.82	13.5	39.8	39.4	40.3	1.38	406	372.6	17.1	6.22	3017	2927	2704
5/24/25 2:00	8.83	303	20.1	7.08	13.4	38.1	39.8	40.3	1.38	406	411.3	17.1	6.27	3323	2973	2704
5/24/25 3:00	8.78	303	19.6	6.90	13.4	36.5	39.7	40.3	1.38	406	364.6	17.1	6.16	2952	3109	2704
5/24/25 4:00	8.75	302	20.1	6.89	13.4	37.4	38.1	40.3	1.37	407	364.4	17.1	6.26	2945	3097	2704
5/24/25 5:00	8.74	303	19.8	6.97	13.3	36.9	37.3	40.3	1.38	407	360.8	17.1	6.24	2935	3073	2704
5/24/25 6:00	8.77	304	19.3	7.75	13.3	38.8	37.0	40.3	1.38	407	368.4	17.1	6.26	2979	2944	2704
5/24/25 7:00	8.80	305	21.3	7.24	13.3	40.7	37.7	40.3	1.37	408	356.6	17.1	6.26	2872	2953	2704
5/24/25 8:00	8.78	307	23.0	6.78	13.3	42.2	38.8	40.3	1.38	409	355.7	17.0	6.45	2876	2929	2704
5/24/25 9:00	8.86	309	22.8	6.82	13.3	42.0	40.6	40.3	1.43	410	364.7	17.1	6.44	2997	2909	2704
5/24/25 10:00	8.80	309	23.2	6.84	13.3	42.8	41.6	40.3	1.41	411	367.4	17.1	6.43	3022	2915	2704
5/24/25 11:00	8.79	308	22.4	6.88	13.4	41.6	42.3	40.3	1.37	412	368.5	17.1	6.41	3021	2965	2705
5/24/25 12:00	8.76	310	21.8	7.66	13.4	43.6	42.2	40.3	1.37	413	367.1	17.1	6.39	3005	3013	2705
5/24/25 13:00	8.94	311	20.7	7.82	13.4	41.9	42.7	40.3	1.38	410	349.9	17.2	6.13	2885	3016	2705
5/24/25 14:00	9.01	313	21.2	7.18	13.4	40.5	42.4	40.3	1.38	408	362.1	17.2	6.03	2964	2970	2705
5/24/25 15:00	9.00	312	21.8	7.08	13.4	41.3	42.0	40.3	1.38	408	349.4	17.1	6.08	2846	2951	2705

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/24/25 16:00	8.84	310	21.6	7.18	13.3	41.2	41.2	40.3	1.40	407	344.0	17.1	6.20	2804	2898	2705
5/24/25 17:00	8.82	310	21.5	7.11	13.4	40.7	41.0	40.3	1.40	408	348.0	17.1	6.36	2850	2871	2705
5/24/25 18:00	8.81	309	21.1	7.69	13.3	42.2	41.0	40.3	1.42	408	356.3	17.1	6.45	2940	2833	2705
5/24/25 19:00	8.79	308	21.6	7.76	13.4	43.5	41.3	40.3	1.43	410	366.6	17.1	6.44	3035	2865	2705
5/24/25 20:00	8.79	308	22.0	7.49	13.3	43.1	42.1	40.3	1.40	413	373.6	17.1	6.45	3064	2942	2705
5/24/25 21:00	8.81	308	21.7	7.17	13.3	41.4	42.9	40.3	1.37	415	384.3	17.1	6.43	3159	3013	2705
5/24/25 22:00	8.79	305	21.8	7.13	13.7	41.7	42.7	40.3	1.38	415	407.2	17.1	6.37	3311	3086	2705
5/24/25 23:00	8.81	305	21.3	7.28	13.8	41.4	42.1	40.3	1.38	413	399.5	17.1	6.29	3231	3178	2705
5/25/25 0:00	8.79	304	21.5	7.89	13.3	43.8	41.5	40.3	1.39	412	395.3	17.1	6.20	3200	3233	2705
5/25/25 1:00	8.82	303	21.9	8.03	13.2	45.2	42.3	40.3	1.38	410	370.1	17.1	6.23	3014	3247	2705
5/25/25 2:00	8.75	303	21.7	7.31	13.2	41.8	43.5	40.3	1.39	408	359.0	17.1	6.19	2943	3148	2705
5/25/25 3:00	8.78	305	21.1	7.14	13.2	40.0	43.6	40.3	1.40	409	384.0	17.1	6.33	3113	3052	2705
5/25/25 4:00	8.93	305	21.5	7.13	13.2	40.8	42.3	40.3	1.39	407	347.5	17.2	6.10	2911	3023	2705
5/25/25 5:00	8.82	304	21.8	7.10	13.2	41.2	40.9	40.3	1.40	408	387.9	17.1	6.32	3153	2989	2705
5/25/25 6:00	8.86	306	21.4	7.84	13.2	43.2	40.7	40.3	1.39	408	355.3	17.2	6.20	2954	3059	2705
5/25/25 7:00	8.96	306	23.5	7.21	13.2	44.7	41.7	40.3	1.39	408	363.7	17.1	6.21	2990	3006	2705
5/25/25 8:00	8.77	306	24.4	6.80	13.2	44.9	43.0	40.3	1.37	412	389.8	17.1	6.42	3157	3032	2705
5/25/25 9:00	8.71	306	24.5	6.86	13.3	45.3	44.2	40.3	1.37	416	409.9	17.0	6.45	3300	3034	2705
5/25/25 10:00	8.62	307	23.9	6.92	13.3	44.5	44.9	40.3	1.36	417	418.2	17.0	6.50	3364	3149	2706
5/25/25 11:00	8.62	307	23.5	6.99	13.3	44.1	44.9	40.3	1.37	418	409.6	17.0	6.44	3294	3274	2706
5/25/25 12:00	8.63	308	23.0	7.75	13.3	46.1	44.6	40.3	1.36	419	397.4	17.0	6.39	3195	3319	2706
5/25/25 13:00	8.62	309	22.4	7.89	13.3	45.5	44.9	40.3	1.36	420	397.3	17.0	6.50	3196	3284	2706
5/25/25 14:00	8.62	306	22.2	7.51	13.4	43.7	45.2	40.3	1.38	417	415.7	17.0	6.85	3392	3228	2706
5/25/25 15:00	8.68	305	22.9	7.13	13.5	43.5	45.1	40.3	1.39	415	426.2	17.0	6.84	3515	3261	2706
5/25/25 16:00	8.72	303	22.1	7.09	13.6	42.0	44.2	40.3	1.40	411	413.9	17.0	6.96	3396	3368	2706
5/25/25 17:00	8.74	305	21.5	7.07	13.6	40.7	43.1	40.3	1.38	419	396.3	17.0	6.84	3220	3434	2706
5/25/25 18:00	8.69	306	21.9	7.85	13.5	44.7	42.1	40.3	1.38	421	401.8	17.0	6.79	3313	3377	2706
5/25/25 19:00	8.68	305	21.4	7.94	13.4	43.9	42.5	40.3	1.37	419	403.0	17.1	6.68	3381	3310	2706
5/25/25 20:00	8.72	304	20.9	7.16	13.5	39.8	43.1	40.3	1.37	415	396.1	17.0	6.68	3262	3305	2706
5/25/25 21:00	8.71	305	21.0	7.11	13.6	39.9	42.8	40.3	1.36	418	391.3	17.0	6.75	3187	3319	2706
5/25/25 22:00	8.73	309	19.6	7.08	14.0	37.5	41.2	40.3	1.39	417	404.0	17.1	6.66	3355	3277	2706
5/25/25 23:00	8.93	307	21.4	7.15	13.7	41.0	39.1	40.3	1.37	417	391.6	17.1	6.60	3236	3268	2707
5/26/25 0:00	8.77	307	21.0	7.95	13.5	43.3	39.5	40.3	1.37	417	414.2	17.1	6.66	3407	3259	2707
5/26/25 1:00	8.85	308	20.1	7.98	13.3	41.4	40.6	40.3	1.37	415	403.3	17.1	6.45	3363	3333	2707
5/26/25 2:00	8.97	308	20.4	7.23	13.2	39.0	41.9	40.3	1.39	412	391.1	17.1	6.42	3265	3336	2707
5/26/25 3:00	8.97	307	20.6	7.20	13.2	39.3	41.2	40.3	1.38	414	407.5	17.1	6.48	3411	3345	2707
5/26/25 4:00	8.94	304	20.9	7.19	13.2	39.8	39.9	40.3	1.36	414	378.3	17.2	6.36	3188	3346	2707
5/26/25 5:00	8.70	303	22.1	7.16	13.2	42.0	39.4	40.3	1.38	414	386.4	17.1	6.37	3193	3288	2707
5/26/25 6:00	8.71	302	21.3	7.95	13.2	43.5	40.3	40.3	1.38	413	383.8	17.1	6.37	3202	3264	2707
5/26/25 7:00	8.70	303	24.0	7.49	13.1	46.7	41.8	40.3	1.38	413	367.9	17.1	6.30	3042	3194	2707
5/26/25 8:00	8.75	308	24.3	7.26	12.8	46.2	44.1	40.3	1.38	415	388.2	17.1	6.42	3223	3146	2707
5/26/25 9:00	8.93	311	23.1	7.30	12.8	44.0	45.5	40.3	1.38	417	376.6	17.1	6.43	3111	3156	2707
5/26/25 10:00	8.96	312	23.1	7.35	12.8	44.2	45.6	40.3	1.38	417	374.2	17.1	6.41	3091	3126	2707
5/26/25 11:00	8.96	312	22.5	7.40	12.8	43.3	44.8	40.3	1.38	416	401.7	17.1	6.44	3369	3142	2707
5/26/25 12:00	8.95	312	23.1	8.31	12.9	48.8	43.9	40.3	1.37	416	413.1	17.1	6.48	3433	3191	2707
5/26/25 13:00	8.97	314	22.6	8.31	12.9	47.5	45.5	40.3	1.36	418	418.2	17.1	6.51	3449	3298	2707
5/26/25 14:00	9.12	313	22.8	7.61	12.9	44.7	46.5	40.3	1.37	419	414.1	17.1	6.54	3428	3417	2708
5/26/25 15:00	8.93	315	21.3	7.69	12.8	42.1	47.0	40.3	1.36	419	400.4	17.1	6.53	3359	3437	2708
5/26/25 16:00	9.07	317	20.2	7.86	12.5	40.5	44.8	40.3	1.36	420	396.9	17.1	6.51	3317	3412	2708
5/26/25 17:00	9.20	318	20.7	7.91	12.4	41.4	42.4	40.3	1.35	420	411.5	17.1	6.44	3436	3368	2708
5/26/25 18:00	9.23	317	20.3	8.58	12.4	43.5	41.3	40.3	1.34	421	404.7	17.1	6.43	3373	3371	2708
5/26/25 19:00	9.20	318	19.4	8.74	12.3	42.1	41.8	40.3	1.34	421	394.3	17.2	6.31	3290	3375	2708
5/26/25 20:00	9.16	318	19.8	8.03	12.3	40.0	42.4	40.3	1.34	424	402.5	17.2	6.27	3356	3366	2708
5/26/25 21:00	9.17	319	16.7	7.92	12.5	33.6	41.9	40.3	1.34	425	412.6	17.1	6.40	3403	3340	2708
5/26/25 22:00	9.25	321	9.2	8.06	12.9	18.9	38.5	40.3	1.34	424	415.4	17.1	6.37	3429	3350	2708
5/26/25 23:00	9.59	319	9.6	7.85	13.1	19.4	30.8	40.3	1.35	424	416.0	17.1	6.46	3369	3396	2708
5/27/25 0:00	9.29	316	9.8	8.54	12.8	21.2	24.0	40.3	1.34	425	408.0	17.1	6.47	3316	3400	2708
5/27/25 1:00	9.11	316	10.6	8.62	12.8	23.0	19.8	40.3	1.35	424	409.7	17.1	6.47	3336	3371	2708
5/27/25 2:00	9.12	315	9.8	7.83	12.8	19.7	21.2	40.3	1.37	422	396.2	17.1	6.48	3238	3340	2709
5/27/25 3:00	9.14	313	10.0	7.80	12.8	20.0	21.3	40.3	1.36	422	395.7	17.1	6.50	3300	3296	2709
5/27/25 4:00	9.11	313	9.6	7.76	12.8	19.1	20.9	40.3	1.34	421	393.7	17.1	6.44	3286	3291	2709
5/27/25 5:00	9.16	314	10.3	7.77	12.8	20.6	19.6	40.3	1.39	418	394.0	17.1	6.44	3229	3275	2709
5/27/25 6:00	9.14	313	10.9	8.56	12.8	23.4	19.9	40.3	1.37	417	386.9	17.1	6.42	3165	3272	2709
5/27/25 7:00	9.06	313	13.0	7.84	13.0	26.1	21.0	40.3	1.38	418	392.8	17.1	6.49	3204	3227	2709
5/27/25 8:00	8.99	314	13.5	7.19	13.1	25.6	23.4	40.3	1.40	419	397.7	17.1	6.48	3290	3199	2709
5/27/25 9:00	8.90	313	14.2	7.16	13.2	27.0	25.1	40.2	1.35	421	391.6	17.1	6.58	3288	3219	2709
5/27/25 10:00	8.78	312	13.8	7.13	13.1	26.1	26.2	40.2	1.35	424	405.9	17.1	6.64	3396	3260	2709
5/27/25 11:00	8.65	312	14.2	7.18	13.2	27.1	26.2	40.2	1.34	427	403.2	17.1	6.65	3397	3324	2709
5/27/25 12:00	8.79	313	14.4	8.09	13.2	30.0	26.7	40.2	1.39	425	407.7	17.1	6.65	3417	3360	2709
5/27/25 13:00	8.81	313	13.6	8.02	13.3	28.1	27.7	40.2	1.44	420	408.5	17.1	6.55	3353	3403	2709
5/27/25 14:00	9.55	312	13.5	7.21	13.3	25.7	28.4	40.2	1.44	419	406.1	17.0	6.59	3323	3389	2709
5/27/25 15:00	9.49	311	13.1	7.20	13.4	25.1	27.9	40.2	1.43	419	407.6	17.1	6.57	3344	3365	2710
5/27/25 16:00	9.52	311	13.8	7.21	13.3	26.4	26.3	40.2	1.41	419	406.3	17.1	6.56	3344	3340	2710
5/27/25 17:00	9.51	310	13.9	7.23	13.4	26.6	25.8	40.2	1.35	422	410.1	17.1	6.62	3405	3337	2710
5/27/25 18:00	9.51	309	14.5	7.97	13.3	29.8	26.0	40.2	1.34	425	415.1	17.1	6.63	3454	3364	2710
5/27/25 19:00	9.53	309	14.6	8.15	13.4	30.6	27.6	40.2	1.34	424	415.4	17.1	6.61	3483	3401	2710
5/27/25 20:00	9.54	308	14.4	7.45	13.4	28.2	29.0	40.2	1.38	421	410.6	17.1	6.52	3445	3447	2710
5/27/25 21:00	9.55	309	13.0	7.43	13.7	25.4	29.5	40.2	1.41	417	403.7	17.1	6.47	3370	3461	2710
5/27/25 22:00	9.74	309	14.4	7.48	13.4	28.1	28.1	40.2	1.42	416	405.5	17.1	6.44	3318	3433	2710
5/27/25 23:00	9.62	307	14.1	7.53	13.3	27.6	27.3	40.2	1.43	416	401.1	17.1	6.38	3276	3378	2710
5/28/25 0:00	9.54	307	15.4	8.48	13.3	33.2	27.1	40.2	1.44	415	393.8	17.1	6.35	3212	3321	2710
5/28/25 1:00	9.52	306	14.9	8.22	13.3	31.5	29.7	40.2	1.44	413	386.4	17.1	6.41	3170	3269	2710
5/28/25 2:00	9.52	306	14.6	7.28	13.4	28.0	30.8	40.2	1.40	413	386.0	17.1	6.51	3205	3220	2710
5/28/25 3:00	9.53	306	14.5	7.22	13.4	27.7	30.9	40.2	1.42	412	378.9	17.1	6.46	3155	3196	2710
5/28/25 4:00	9.57	306	14.9	7.43	13.4	29.2	29.1	40.2	1.45	411	375.1	17.1	6.45	3077	3177	2711
5/28/25 5:00	9.54	305	16.8	7.61	13.4	33.4	28.3	40.2	1.45	409	369.9	17.1	6.38	3034	3146	2711
5/28/25 6:00	9.51	305	18.0	8.50	13.3	39.0	30.1	40.2	1.41	410	374.2	17.1	6.51	3057	3089	2711
5/28/25 7:00	9.46	305	14.8	7.69	13.4	30.3	33.9	40.2	1.45	409	365.5	17.1	6.44	3036	3056	2711
5/28/25 8:00	9.55	307	12.4	6.87	13.5	23.0	34.2	40.2	1.44	410	371.5	17.1	6.52	3055	3043	2711
5/28/25 9:00	9.56	308	13.2	6.90	13.5	24.5	30.8	40.2	1.44	411	369.8	17.1	6.49	3057	3050	2711
5/28/25 10:00	9.55	308	13.0	7.46	13.5	25.4	25.9	40.2	1.43	410	360.5	17.1	6.47	2987	3049	2711
5/28/25 11:00	9.56	308	12.5	7.42	13.6	24.5	24.3	40.2	1.42	409	362.0	17.1	6.46	3011	3033	2711

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
5/28/25 12:00	9.65	308	14.4	8.87	13.5	32.8	24.8	40.2	1.45	407	358.7	17.1	6.37	2976	3018	2711
5/28/25 13:00	9.60	308	17.8	8.66	13.5	39.3	27.6	40.2	1.45	409	371.9	17.1	6.47	3046	2992	2711
5/28/25 14:00	9.61	307	18.4	8.03	13.5	38.0	32.2	40.2	1.44	408	362.5	17.1	6.43	2983	3011	2711
5/28/25 15:00	9.56	306	18.5	7.98	13.5	38.2	36.7	40.2	1.46	407	357.0	17.1	6.45	2929	3002	2711
5/28/25 16:00	9.49	305	18.4	7.85	13.6	37.5	38.5	40.2	1.43	408	357.1	17.1	6.52	2934	2986	2711
5/28/25 17:00	9.49	306	18.5	7.84	13.7	37.7	37.9	40.2	1.37	409	351.4	17.1	6.54	2912	2948	2711
5/28/25 18:00	9.55	307	19.8	8.69	13.7	44.3	37.8	40.2	1.40	408	349.7	17.1	6.54	2913	2925	2711
5/28/25 19:00	9.57	306	18.7	8.32	13.7	40.0	39.8	40.2	1.39	407	342.7	17.1	6.55	2850	2919	2711
5/28/25 20:00	9.57	306	19.0	7.55	13.6	37.7	40.7	40.2	1.41	407	343.8	17.1	6.54	2855	2892	2711
5/28/25 21:00	9.56	306	18.5	7.67	13.8	37.3	40.7	40.2	1.42	406	344.2	17.1	6.47	2864	2873	2711
5/28/25 22:00	9.72	306	19.7	7.94	13.6	40.5	38.4	40.2	1.42	406	344.7	17.1	6.46	2845	2856	2711
5/28/25 23:00	9.59	305	20.8	7.95	13.4	42.7	38.5	40.2	1.41	406	375.8	17.1	6.55	3081	2855	2711
5/29/25 0:00	9.63	307	20.8	8.68	13.5	46.4	40.2	40.2	1.38	408	354.3	17.1	6.61	2914	2930	2711
5/29/25 1:00	9.81	307	19.5	8.35	13.6	42.0	43.2	40.2	1.37	409	356.9	17.0	6.68	2935	2947	2711
5/29/25 2:00	9.69	307	19.0	7.74	13.5	38.3	43.7	40.2	1.35	411	357.9	17.0	6.69	2922	2977	2711
5/29/25 3:00	9.73	307	18.5	7.78	13.5	37.4	42.2	40.2	1.35	411	358.0	17.1	6.64	2945	2924	2711
5/29/25 4:00	9.68	307	18.3	7.80	13.5	37.0	39.2	40.2	1.35	411	358.6	17.1	6.64	2973	2934	2711
5/29/25 5:00	9.66	305	19.5	7.70	13.6	39.1	37.6	40.2	1.34	412	359.6	17.1	6.64	2993	2947	2711
5/29/25 6:00	9.59	305	18.7	8.52	13.7	41.0	37.9	40.2	1.33	415	358.2	17.1	6.66	2964	2970	2711
5/29/25 7:00	9.55	306	14.8	7.81	13.7	30.8	39.1	40.2	1.35	414	358.3	17.1	6.61	2997	2976	2711
5/29/25 8:00	9.58	308	11.0	7.14	13.9	21.2	37.0	40.2	1.33	411	356.4	17.0	6.64	2888	2984	2711
5/29/25 9:00	9.59	310	11.2	7.16	13.9	21.5	31.0	40.2	1.34	411	368.2	17.0	6.74	2947	2950	2711
5/29/25 10:00	9.69	312	11.0	7.21	13.9	21.2	24.5	40.2	1.37	411	337.1	17.3	6.70	3043	2944	2711
5/29/25 11:00	9.74	312	11.7	7.19	13.9	22.5	21.3	40.2	1.31	381	377.4	17.5	6.25	3597	2959	2712
5/29/25 12:00	9.67	312	12.6	8.42	13.9	27.5	21.7	40.2	1.39	385	621.1	17.0	7.12	5321	3196	2712
5/29/25 13:00	9.62	311	12.8	7.97	13.9	26.7	23.7	40.2	1.39	410	403.8	17.1	6.92	3505	3987	2712
5/29/25 14:00	9.60	314	11.0	7.50	13.8	21.7	25.6	40.2	1.38	413	376.2	17.2	6.84	3352	4141	2712
5/29/25 15:00	10.11	319	10.5	7.43	13.8	20.6	25.3	40.2	1.37	416	371.8	17.2	6.85	3282	4059	2712
5/29/25 16:00	10.30	317	10.5	7.42	13.9	20.7	23.0	40.2	1.36	417	370.6	17.2	6.85	3305	3380	2712
5/29/25 17:00	9.73	311	11.6	7.41	13.9	22.8	21.0	40.2	1.36	418	372.0	17.2	6.85	3274	3313	2712
5/29/25 18:00	9.43	309	10.9	8.23	14.0	23.2	21.4	40.2	1.35	418	380.6	17.2	6.83	3324	3287	2712
5/29/25 19:00	9.40	309	10.6	8.32	14.0	22.8	22.2	40.2	1.37	417	394.7	17.1	6.82	3427	3301	2712
5/29/25 20:00	9.46	306	10.8	7.55	14.0	21.6	22.9	40.2	1.36	417	383.9	17.2	6.91	3397	3342	2713
5/29/25 21:00	9.28	305	10.2	7.52	14.0	20.3	22.5	40.2	1.35	416	358.8	17.2	6.84	3217	3383	2713
5/29/25 22:00	9.30	306	10.1	7.59	14.3	20.4	21.6	40.2	1.35	415	354.5	17.2	6.82	3200	3347	2713
5/29/25 23:00	9.44	307	9.7	7.73	13.9	19.7	20.8	40.2	1.36	415	350.0	17.3	6.78	3176	3271	2713
5/30/25 0:00	9.43	306	10.8	8.52	13.8	23.7	20.1	40.2	1.36	414	356.5	17.3	6.80	3228	3198	2713
5/30/25 1:00	9.45	305	9.8	8.42	13.9	21.3	21.3	40.2	1.37	413	368.6	17.3	6.81	3382	3201	2713
5/30/25 2:00	9.35	304	10.0	7.58	13.9	19.9	21.6	40.2	1.36	413	350.9	17.3	6.75	3231	3262	2713
5/30/25 3:00	9.31	303	10.4	7.50	14.0	20.7	21.6	40.2	1.36	413	346.5	17.3	6.74	3132	3280	2713
5/30/25 4:00	9.25	303	10.5	7.47	14.0	20.9	20.6	40.2	1.36	412	341.9	17.3	6.71	3106	3248	2713
5/30/25 5:00	9.31	304	10.0	7.50	13.9	19.8	20.5	40.2	1.35	411	338.9	17.3	6.63	3059	3156	2713
5/30/25 6:00	9.29	304	9.7	8.35	13.9	20.8	20.5	40.2	1.35	410	339.9	17.3	6.64	3045	3099	2713
5/30/25 7:00	9.30	304	12.0	7.70	13.8	23.9	20.5	40.2	1.35	411	347.0	17.3	6.60	3108	3070	2713
5/30/25 8:00	9.30	306	13.6	7.14	13.8	26.1	21.5	40.2	1.35	411	339.5	17.3	6.56	3041	3070	2713
5/30/25 9:00	9.29	307	13.6	7.19	13.8	26.2	23.6	40.1	1.33	413	349.5	17.3	6.60	3141	3065	2713
5/30/25 10:00	9.29	309	13.2	7.32	13.8	25.7	25.4	40.1	1.33	415	364.7	17.3	6.65	3270	3097	2713
5/30/25 11:00	9.28	309	12.9	7.49	13.7	25.6	26.0	40.1	1.33	418	379.3	17.2	6.75	3412	3151	2713
5/30/25 12:00	9.14	309	13.4	8.38	13.7	29.0	25.8	40.1	1.33	420	389.9	17.3	6.79	3542	3274	2714
5/30/25 13:00	9.24	311	13.3	8.49	13.7	29.0	26.7	40.1	1.32	422	385.7	17.3	6.71	3499	3408	2714
5/30/25 14:00	9.16	312	13.2	7.63	13.7	26.3	27.8	40.1	1.31	424	387.7	17.3	6.64	3523	3485	2714
5/30/25 15:00	9.12	312	13.7	7.58	13.7	27.3	28.1	40.1	1.31	424	387.7	17.3	6.50	3537	3522	2714
5/30/25 16:00	9.14	312	13.9	7.57	13.7	27.7	27.5	40.1	1.31	423	389.5	17.3	6.47	3560	3520	2714
5/30/25 17:00	9.17	312	13.0	7.56	13.8	25.9	27.1	40.1	1.31	420	380.6	17.3	6.48	3435	3540	2714
5/30/25 18:00	9.15	310	14.2	8.23	13.9	30.3	27.0	40.1	1.31	418	376.4	17.3	6.60	3390	3511	2714
5/30/25 19:00	9.17	309	13.3	8.34	13.9	28.6	28.0	40.1	1.30	419	379.7	17.3	6.73	3441	3462	2714
5/30/25 20:00	9.14	308	13.2	7.61	13.9	26.5	28.3	40.1	1.33	419	366.3	17.3	6.62	3346	3422	2714
5/30/25 21:00	9.15	308	13.4	7.49	13.9	26.5	28.5	40.1	1.35	417	358.4	17.3	6.73	3300	3393	2714
5/30/25 22:00	9.21	310	13.0	7.51	14.4	26.1	27.2	40.1	1.35	416	360.8	17.3	6.69	3365	3362	2714
5/30/25 23:00	9.41	308	13.0	7.50	13.8	25.7	26.4	40.1	1.38	415	357.7	17.3	6.75	3299	3337	2715
5/31/25 0:00	9.33	306	13.2	8.29	13.8	28.3	26.1	40.1	1.38	414	356.6	17.3	6.68	3297	3321	2715
5/31/25 1:00	9.26	305	13.1	8.20	13.9	27.7	26.7	40.1	1.38	413	358.4	17.3	6.69	3305	3320	2715
5/31/25 2:00	9.30	304	13.1	7.41	13.8	25.8	27.2	40.1	1.36	412	352.9	17.4	6.58	3278	3300	2715
5/31/25 3:00	9.28	304	13.4	7.41	13.8	26.3	27.3	40.1	1.38	411	350.2	17.3	6.62	3220	3293	2715
5/31/25 4:00	9.26	304	13.5	7.40	13.8	26.4	26.6	40.1	1.46	410	347.4	17.3	6.62	3153	3267	2715
5/31/25 5:00	9.26	304	13.5	7.43	13.7	26.5	26.2	40.1	1.45	406	337.6	17.4	6.41	3085	3217	2715
5/31/25 6:00	9.26	303	13.8	8.41	13.6	29.8	26.4	40.1	1.46	402	336.4	17.4	6.21	3093	3153	2715
5/31/25 7:00	9.21	303	12.4	7.71	13.6	24.9	27.6	40.1	1.48	399	439.7	17.4	6.09	4053	3111	2715
5/31/25 8:00	9.27	303	12.8	7.14	13.6	24.4	27.1	40.1	1.48	398	319.8	17.5	6.07	2956	3411	2715
5/31/25 9:00	9.19	303	13.6	7.15	13.5	25.9	26.4	40.1	1.48	398	317.6	17.4	6.03	2913	3367	2715
5/31/25 10:00	9.21	304	13.3	7.16	13.4	25.4	25.1	40.1	1.48	397	302.1	17.5	5.88	2801	3307	2715
5/31/25 11:00	9.21	305	13.5	7.16	13.4	25.7	25.2	40.1	1.49	397	312.9	17.5	5.83	2913	2890	2715
5/31/25 12:00	9.30	306	13.6	8.62	13.4	30.1	25.7	40.1	1.48	398	300.5	17.5	5.85	2784	2876	2715
5/31/25 13:00	9.28	305	13.2	7.57	13.4	26.1	27.1	40.1	1.48	399	319.7	17.5	5.94	2932	2833	2715
5/31/25 14:00	9.20	307	13.4	7.36	13.4	26.0	27.3	40.1	1.47	401	328.1	17.4	6.02	2995	2876	2715
5/31/25 15:00	9.32	307	13.3	7.37	13.4	25.8	27.4	40.1	1.46	401	314.7	17.5	5.90	2911	2904	2715
5/31/25 16:00	9.28	306	13.8	7.40	13.5	26.8	26.0	40.1	1.45	402	328.6	17.5	5.98	3029	2946	2715
5/31/25 17:00	9.19	305	13.1	7.43	13.5	25.6	26.2	40.1	1.45	403	327.2	17.4	6.02	2985	2979	2715
5/31/25 18:00	9.05	304	14.1	8.50	13.4	30.8	26.1	40.1	1.45	404	321.3	17.4	5.99	2933	2975	2715
5/31/25 19:00	9.04	304	14.3	8.17	13.4	30.1	27.7	40.1	1.44	405	327.4	17.4	6.02	2974	2982	2715
5/31/25 20:00	9.10	304	13.6	7.62	13.5	27.1	28.8	40.1	1.39	406	329.2	17.4	6.05	2977	2964	2715
5/31/25 21:00	9.13	305	13.2	7.72	13.5	26.5	29.3	40.1	1.42	407	339.9	17.4	6.00	3078	2962	2716
5/31/25 22:00	9.22	304	13.3	7.69	13.5	26.7	27.9	40.1	1.36	407	347.6	17.5	6.01	3198	3010	2716
5/31/25 23:00	9.21	304	12.5	7.60	13.9	25.0	26.8	40.1	1.36	404	333.5	17.5	5.93	3091	3084	2716
6/1/25 0:00	9.34	303	12.4	8.68	13.6	27.7	26.1	40.1	1.36	403	324.3	17.5	5.94	3028	3122	2716
6/1/25 1:00	9.21	302	13.0	7.95	13.5	26.9	26.5	40.1	1.37	402	319.3	17.5	5.92	2958	3106	2716
6/1/25 2:00	9.21	302	13.1	7.46	13.5	25.6	26.5	40.1	1.38	403	336.7	17.4	6.04	3083	3026	2716
6/1/25 3:00	9.22	302	13.3	7.47	13.5	26.2	26.7	40.1	1.37	403	322.1	17.5	5.95	2976	3023	2716
6/1/25 4:00	9.21	301	13.2	7.50	13.5	26.0	26.2	40.1	1.37	402	328.8	17.5	5.95	3013	3006	2716
6/1/25 5:00	9.22	301	13.0	7.64	13.4	25.9	25.9	40.1	1.38	401	327.5	17.4	5.95	2977	3024	2716
6/1/25 6:00	9.29	301	12.9	8.86	13.3	29.3	26.0	40.1	1.38	400	324.9	17.4	5.88	2922	2989	2716
6/1/25 7:00	9.37	303	13.3	8.17	13.3	27.8	27.0	40.1	1.38	401	329.2	17.4	5.89	2896	2971	2716

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/1/25 8:00	9.36	305	14.0	7.49	13.3	27.4	27.7	40.1	1.36	403	343.3	17.3	5.98	2975	2932	2716
6/1/25 9:00	9.40	309	13.4	7.54	13.3	26.4	28.2	40.1	1.37	404	330.4	17.4	5.88	2953	2931	2716
6/1/25 10:00	9.54	311	12.9	7.59	13.3	25.5	27.2	40.1	1.39	402	327.5	17.4	5.80	2922	2942	2716
6/1/25 11:00	9.56	312	13.5	7.65	13.2	26.7	26.4	40.1	1.38	403	328.3	17.5	5.81	2962	2950	2716
6/1/25 12:00	9.38	311	13.3	8.57	13.1	28.8	26.2	40.1	1.38	404	324.4	17.4	5.73	2877	2946	2716
6/1/25 13:00	9.40	313	13.3	8.81	13.2	29.8	27.0	40.1	1.42	405	329.4	17.3	6.37	2928	2920	2716
6/1/25 14:00	9.40	312	13.6	8.34	13.3	29.0	28.4	40.1	1.38	410	337.5	17.3	6.29	3040	2922	2716
6/1/25 15:00	9.30	311	13.3	8.09	13.3	27.6	29.2	40.1	1.38	411	343.8	17.4	6.22	3119	2948	2716
6/1/25 16:00	9.30	311	13.6	8.08	13.2	28.2	28.8	40.1	1.42	412	349.0	17.3	6.32	3146	3029	2716
6/1/25 17:00	9.31	311	13.1	8.11	13.3	27.2	28.3	40.1	1.42	413	374.4	17.3	6.35	3360	3102	2716
6/1/25 18:00	9.30	310	13.8	8.61	13.3	30.3	27.7	40.1	1.41	414	372.8	17.3	6.39	3346	3208	2716
6/1/25 19:00	9.34	311	14.1	8.80	13.3	31.4	28.6	40.1	1.43	414	380.8	17.4	6.38	3462	3284	2716
6/1/25 20:00	9.35	310	14.1	8.61	13.2	31.0	29.6	40.1	1.36	414	377.1	17.4	6.29	3432	3389	2717
6/1/25 21:00	9.38	312	12.4	8.24	13.0	26.0	30.9	40.1	1.35	412	351.1	17.4	6.07	3213	3413	2717
6/1/25 22:00	9.73	316	11.4	8.26	12.9	24.0	29.5	40.1	1.36	410	343.3	17.4	6.03	3138	3369	2717
6/1/25 23:00	10.06	316	12.0	8.19	13.3	25.2	27.0	40.0	1.36	408	334.3	17.5	5.94	3100	3261	2717
6/2/25 0:00	9.99	312	13.6	8.94	12.9	30.6	25.1	40.0	1.36	407	337.6	17.5	5.91	3078	3151	2717
6/2/25 1:00	9.66	309	13.2	8.92	13.0	29.6	26.6	40.0	1.36	408	334.0	17.4	5.94	3040	3106	2717
6/2/25 2:00	9.51	308	13.3	8.18	13.0	27.7	28.4	40.0	1.37	408	335.8	17.4	6.05	3074	3073	2717
6/2/25 3:00	9.59	308	13.4	8.09	13.0	27.7	29.3	40.0	1.37	409	347.6	17.4	6.07	3155	3064	2717
6/2/25 4:00	9.59	308	12.9	8.09	13.0	26.7	28.3	40.0	1.36	409	343.8	17.4	6.08	3119	3090	2717
6/2/25 5:00	9.68	311	12.8	8.04	13.0	26.2	27.4	40.0	1.36	409	351.7	17.4	6.08	3214	3116	2717
6/2/25 6:00	9.88	310	12.4	8.88	13.0	27.8	26.9	40.0	1.38	407	347.4	17.5	6.03	3225	3163	2717
6/2/25 7:00	9.75	310	13.1	8.15	13.0	27.1	26.9	40.0	1.38	406	357.2	17.5	6.08	3321	3186	2717
6/2/25 8:00	9.67	310	14.1	7.55	13.1	27.7	27.1	40.0	1.37	408	352.9	17.4	6.21	3215	3254	2717
6/2/25 9:00	9.64	312	13.9	7.58	13.2	27.4	27.6	40.0	1.36	411	360.9	17.3	6.35	3228	3254	2717
6/2/25 10:00	9.61	315	13.8	7.69	13.1	27.4	27.4	40.0	1.35	415	385.8	17.3	6.13	3408	3255	2717
6/2/25 11:00	9.55	316	13.7	7.79	13.1	27.5	27.5	40.0	1.34	417	377.9	17.3	6.18	3345	3284	2717
6/2/25 12:00	9.68	317	14.0	8.85	13.1	31.3	27.4	40.0	1.35	417	371.8	17.4	6.35	3380	3327	2717
6/2/25 13:00	9.79	317	13.0	8.85	13.1	29.1	28.7	40.0	1.36	416	368.8	17.4	6.37	3369	3377	2718
6/2/25 14:00	9.77	317	12.7	8.09	13.1	26.3	29.3	40.0	1.34	416	370.2	17.4	6.33	3383	3364	2718
6/2/25 15:00	9.79	318	12.7	8.08	13.0	26.2	28.9	40.0	1.32	420	377.3	17.4	6.14	3378	3377	2718
6/2/25 16:00	9.69	320	13.2	8.06	13.1	27.2	27.2	40.0	1.32	421	376.3	17.4	6.15	3377	3376	2718
6/2/25 17:00	9.78	321	12.4	8.05	13.2	25.6	26.5	40.0	1.32	422	380.8	17.3	6.29	3416	3379	2718
6/2/25 18:00	9.76	320	12.8	8.72	13.1	28.3	26.3	40.0	1.31	422	374.1	17.4	6.18	3405	3390	2718
6/2/25 19:00	9.73	319	12.9	8.87	13.1	28.9	27.0	40.0	1.31	421	374.9	17.4	6.21	3392	3399	2718
6/2/25 20:00	9.65	318	12.8	8.25	13.1	27.0	27.6	40.0	1.30	422	373.3	17.4	6.31	3398	3404	2718
6/2/25 21:00	9.62	317	12.6	8.12	13.2	26.1	28.1	40.0	1.32	421	381.1	17.4	6.32	3507	3398	2718
6/2/25 22:00	9.73	318	12.8	8.14	13.5	26.8	27.3	40.0	1.32	421	380.1	17.3	6.44	3449	3432	2718
6/2/25 23:00	9.91	315	13.3	8.00	13.2	27.3	26.6	40.0	1.33	419	371.6	17.4	6.20	3368	3451	2718
6/3/25 0:00	9.60	315	13.2	8.77	13.1	29.4	26.7	40.0	1.34	417	365.4	17.4	6.15	3323	3441	2718
6/3/25 1:00	9.63	314	13.2	8.83	13.1	29.5	27.8	40.0	1.33	416	365.7	17.4	6.18	3341	3380	2719
6/3/25 2:00	9.59	313	13.5	7.99	13.2	27.6	28.7	40.0	1.34	414	357.4	17.4	6.14	3251	3344	2719
6/3/25 3:00	9.56	315	12.8	8.21	13.5	27.1	28.8	40.0	1.34	415	353.4	17.4	6.31	3216	3305	2719
6/3/25 4:00	9.75	314	12.4	8.12	13.3	25.8	28.1	40.0	1.32	416	353.4	17.4	6.37	3244	3270	2719
6/3/25 5:00	9.61	313	13.2	8.13	13.4	27.5	26.8	40.0	1.36	414	346.4	17.4	6.41	3231	3237	2719
6/3/25 6:00	9.70	313	13.8	9.01	13.5	31.7	26.8	40.0	1.34	413	331.3	17.4	6.41	3119	3230	2719
6/3/25 7:00	9.68	313	13.3	8.26	13.5	28.3	28.3	40.0	1.33	413	334.4	17.4	6.42	3173	3198	2719
6/3/25 8:00	9.70	315	12.5	7.61	13.5	24.9	29.2	40.0	1.35	414	355.5	17.4	6.46	3310	3174	2719
6/3/25 9:00	9.73	323	10.5	8.22	12.7	21.8	28.3	40.0	1.34	413	341.9	17.4	6.46	3179	3201	2719
6/3/25 10:00	10.29	318	11.8	7.60	13.4	23.3	25.0	40.0	1.34	413	335.2	17.4	6.50	3138	3221	2719
6/3/25 11:00	9.58	315	12.4	7.64	13.4	24.7	23.3	40.0	1.34	415	339.2	17.4	6.57	3177	3209	2719
6/3/25 12:00	9.56	314	12.9	8.95	13.4	29.4	23.3	40.0	1.34	418	346.2	17.3	6.63	3202	3165	2719
6/3/25 13:00	9.46	313	13.3	8.36	13.5	28.6	25.8	40.0	1.34	420	364.4	17.3	6.71	3328	3173	2719
6/3/25 14:00	9.47	315	12.6	7.87	13.5	25.7	27.6	40.0	1.33	420	366.2	17.3	6.78	3343	3236	2719
6/3/25 15:00	9.53	315	13.1	7.86	13.5	26.7	27.9	40.0	1.34	418	360.6	17.3	6.78	3345	3291	2719
6/3/25 16:00	9.52	315	12.7	7.83	13.5	25.9	27.0	40.0	1.36	416	352.3	17.4	6.67	3331	3339	2720
6/3/25 17:00	9.51	316	12.1	8.00	13.2	24.9	26.1	40.0	1.35	413	361.6	17.4	6.53	3410	3340	2720
6/3/25 18:00	9.62	317	12.0	8.95	13.2	27.3	25.8	40.0	1.33	414	360.5	17.4	6.59	3360	3362	2720
6/3/25 19:00	9.58	317	12.7	8.77	13.2	28.1	26.0	40.0	1.31	416	367.8	17.3	6.71	3374	3367	2720
6/3/25 20:00	9.54	316	12.2	8.08	13.3	25.4	26.8	40.0	1.31	419	375.1	17.3	6.76	3453	3381	2720
6/3/25 21:00	9.64	316	12.4	8.09	13.3	25.8	26.9	40.0	1.31	421	375.3	17.3	6.80	3440	3395	2720
6/3/25 22:00	9.71	319	11.6	8.28	13.5	24.5	26.4	40.0	1.32	421	376.2	17.3	6.79	3455	3422	2720
6/3/25 23:00	10.14	317	11.7	8.09	13.3	24.3	25.2	40.0	1.32	422	374.7	17.3	6.85	3413	3449	2720
6/4/25 0:00	9.85	316	12.5	9.04	13.3	28.8	24.9	40.0	1.36	420	385.9	17.3	6.80	3504	3436	2720
6/4/25 1:00	9.86	315	12.4	8.66	13.3	27.4	25.9	40.0	1.42	416	382.1	17.3	6.70	3490	3458	2720
6/4/25 2:00	9.89	315	12.7	8.03	13.3	26.2	26.8	40.0	1.39	415	378.9	17.3	6.72	3462	3469	2720
6/4/25 3:00	9.90	314	13.2	8.01	13.3	27.3	27.4	40.0	1.39	414	372.2	17.3	6.70	3401	3485	2721
6/4/25 4:00	9.84	314	12.5	7.99	13.3	25.7	26.9	40.0	1.33	416	376.1	17.3	6.78	3409	3451	2721
6/4/25 5:00	9.81	315	12.5	7.95	13.4	25.6	26.4	40.0	1.34	420	371.3	17.3	6.74	3385	3424	2721
6/4/25 6:00	9.89	316	12.9	9.01	13.3	29.5	26.2	40.0	1.34	418	378.9	17.3	6.68	3483	3398	2721
6/4/25 7:00	9.93	318	13.8	8.24	13.4	29.3	26.9	40.0	1.34	417	393.8	17.3	6.74	3589	3426	2721
6/4/25 8:00	9.97	319	13.6	7.59	13.4	26.9	28.1	40.0	1.32	417	373.5	17.3	6.78	3382	3486	2721
6/4/25 9:00	9.97	320	12.4	7.47	13.5	24.3	28.6	40.0	1.32	418	357.3	17.3	6.82	3268	3485	2721
6/4/25 10:00	9.83	320	12.0	7.54	13.6	23.8	26.8	40.0	1.33	420	377.0	17.3	6.92	3467	3413	2721
6/4/25 11:00	9.89	320	11.8	7.63	13.7	23.6	25.0	40.0	1.32	421	393.4	17.3	7.00	3664	3372	2721
6/4/25 12:00	9.84	320	11.5	8.62	13.7	25.6	23.9	40.0	1.33	420	389.2	17.3	7.04	3642	3466	2721
6/4/25 13:00	9.88	319	11.6	8.62	13.7	25.6	24.3	39.9	1.33	420	368.5	17.3	7.07	3458	3591	2721
6/4/25 14:00	9.77	322	11.1	7.89	13.6	22.6	24.9	39.9	1.33	418	373.1	17.3	6.93	3518	3588	2722
6/4/25 15:00	10.05	336	13.1	7.75	13.5	26.5	24.6	39.9	1.34	416	362.7	17.3	6.93	3454	3539	2722
6/4/25 16:00	10.87	340	14.6	7.62	13.6	29.1	24.9	39.9	1.35	412	341.2	17.4	6.90	3287	3477	2722
6/4/25 17:00	10.99	340	18.7	7.54	13.5	36.9	26.1	39.9	1.34	411	341.5	17.3	6.87	3246	3420	2722
6/4/25 18:00	10.89	341	18.5	8.57	13.7	40.8	30.8	39.9	1.32	414	358.8	17.2	7.17	3278	3329	2722
6/4/25 19:00	11.13	345	18.9	8.68	13.9	42.1	35.6	39.9	1.33	416	364.3	17.2	7.38	3357	3270	2722
6/4/25 20:00	11.29	343	19.5	7.83	13.8	39.8	39.9	39.9	1.32	420	379.5	17.2	7.44	3499	3294	2722
6/4/25 21:00	11.23	341	19.8	7.79	13.9	40.5	40.9	39.9	1.32	424	409.3	17.1	7.45	3751	3378	2722
6/4/25 22:00	11.21	339	20.7	7.77	13.8	42.2	40.8	39.9	1.33	425	392.2	17.1	7.38	3570	3536	2722
6/4/25 23:00	11.10	336	21.0	7.76	13.8	42.6	40.8	39.9	1.32	424	393.1	17.2	7.26	3580	3607	2722
6/5/25 0:00	11.03	336	21.7	8.65	13.9	48.5	41.7	39.9	1.32	420	379.2	17.2	7.29	3503	3634	2722
6/5/25 1:00	11.20	332	21.7	8.42	14.1	47.5	44.4	39.9	1.33	421	373.6	17.1	7.52	3455	3551	2723
6/5/25 2:00	11.07	331	22.4	7.78	13.8	45.6	46.2	39.9	1.38	422	368.4	17.2	7.33	3414	3512	2723
6/5/25 3:00	11.07	333	22.6	7.77	13.8	46.0	47.2	39.9	1.41	419	364.8	17.1	7.39	3321	3457	2723

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/5/25 4:00	11.16	333	22.1	7.81	13.7	45.1	46.3	39.9	1.41	416	356.8	17.2	7.21	3277	3397	2723
6/5/25 5:00	11.14	333	19.4	7.85	13.7	39.6	45.5	39.9	1.41	415	367.5	17.2	7.18	3368	3338	2723
6/5/25 6:00	11.15	333	20.8	8.88	13.5	47.1	43.5	39.9	1.41	414	360.5	17.2	6.94	3299	3322	2723
6/5/25 7:00	11.12	334	21.5	8.16	13.5	45.6	43.9	39.9	1.41	414	355.8	17.3	6.94	3261	3315	2723
6/5/25 8:00	11.11	331	21.4	7.33	13.6	41.6	44.1	39.9	1.41	415	357.3	17.2	6.96	3263	3309	2723
6/5/25 9:00	10.92	328	20.1	7.13	13.6	38.4	44.8	39.9	1.34	417	393.4	17.3	6.58	3579	3274	2723
6/5/25 10:00	10.83	327	20.2	7.08	13.7	38.4	41.9	39.9	1.34	415	322.8	17.4	6.74	3083	3368	2723
6/5/25 11:00	10.67	327	19.9	7.13	13.7	38.1	39.5	39.9	1.33	414	379.3	17.4	6.48	3569	3308	2723
6/5/25 12:00	10.70	329	20.8	8.51	13.7	45.7	38.3	40.0	1.32	415	290.5	17.4	6.70	2809	3410	2723
6/5/25 13:00	10.75	329	20.5	7.70	13.7	41.5	40.7	40.0	1.31	420	344.6	17.3	7.02	3249	3154	2723
6/5/25 14:00	10.70	327	20.7	7.31	13.8	40.2	41.8	40.0	1.34	419	324.2	17.3	7.12	3040	3209	2723
6/5/25 15:00	10.77	328	21.6	7.43	13.8	42.6	42.5	40.0	1.34	420	329.5	17.2	7.22	3090	3033	2723
6/5/25 16:00	10.82	328	21.7	7.46	13.8	42.9	41.4	40.0	1.34	422	330.1	17.3	7.17	3100	3126	2723
6/5/25 17:00	10.80	331	22.5	7.56	13.7	44.7	41.9	40.0	1.34	422	329.6	17.3	7.07	3086	3077	2724
6/5/25 18:00	10.88	330	23.4	8.66	13.6	52.0	43.4	40.0	1.32	419	324.3	17.3	7.00	3016	3092	2724
6/5/25 19:00	10.89	329	22.8	8.19	13.6	48.2	46.5	40.0	1.33	416	329.5	17.3	6.99	3088	3068	2724
6/5/25 20:00	10.90	329	22.5	7.55	13.7	44.8	48.3	40.0	1.33	417	326.1	17.3	7.14	3056	3063	2724
6/5/25 21:00	10.87	328	22.5	7.57	13.7	44.8	48.3	40.0	1.34	418	330.1	17.3	7.09	3087	3053	2724
6/5/25 22:00	10.82	327	23.7	7.57	13.7	47.1	45.9	40.0	1.33	419	327.8	17.2	7.11	3050	3077	2724
6/5/25 23:00	10.81	327	23.2	7.56	13.7	46.1	45.6	40.0	1.32	419	332.9	17.2	7.14	3095	3064	2724
6/6/25 0:00	10.77	328	22.9	8.57	13.7	50.5	46.0	40.0	1.32	419	342.2	17.3	7.08	3185	3077	2724
6/6/25 1:00	10.80	329	22.7	8.10	13.8	47.7	47.9	40.0	1.35	418	356.7	17.2	7.18	3271	3110	2724
6/6/25 2:00	10.87	330	22.5	7.63	13.7	45.1	48.1	40.0	1.35	418	341.4	17.2	7.08	3106	3183	2724
6/6/25 3:00	10.88	329	22.7	7.65	13.5	45.3	47.8	40.0	1.40	417	340.3	17.2	6.87	3084	3187	2724
6/6/25 4:00	10.83	329	22.9	7.64	13.5	45.7	46.0	40.0	1.41	415	337.9	17.3	6.79	3059	3153	2724
6/6/25 5:00	10.80	328	23.2	7.63	13.4	46.2	45.3	40.0	1.40	413	333.2	17.3	6.76	3021	3083	2724
6/6/25 6:00	10.83	328	22.8	8.60	13.4	50.2	45.7	40.0	1.43	412	330.6	17.3	6.75	2994	3054	2724
6/6/25 7:00	10.82	328	21.6	7.85	13.5	44.4	47.3	40.0	1.43	412	337.0	17.3	6.75	3042	3024	2724
6/6/25 8:00	10.80	329	20.3	7.22	13.5	38.9	46.9	40.0	1.41	413	334.8	17.3	6.77	3032	3019	2724
6/6/25 9:00	10.81	327	22.7	7.34	13.6	44.1	44.5	40.0	1.41	415	340.3	17.2	6.82	3066	3023	2724
6/6/25 10:00	10.43	323	25.0	7.47	13.5	49.1	42.5	40.0	1.32	420	340.0	17.2	6.89	3065	3047	2724
6/6/25 11:00	10.31	323	24.6	7.45	13.6	48.3	44.1	40.0	1.31	424	343.4	17.2	6.93	3106	3054	2724
6/6/25 12:00	10.38	324	24.3	8.55	13.6	53.4	47.2	40.0	1.33	422	346.6	17.2	6.95	3172	3079	2724
6/6/25 13:00	10.44	325	24.2	8.35	13.6	51.9	50.3	40.0	1.32	421	345.0	17.3	6.89	3164	3114	2724
6/6/25 14:00	10.45	325	24.5	7.62	13.6	48.9	51.2	40.0	1.32	423	344.8	17.3	6.97	3181	3147	2724
6/6/25 15:00	10.48	325	23.8	7.58	13.8	47.5	51.4	40.0	1.34	421	353.1	17.2	7.06	3267	3172	2725
6/6/25 16:00	10.52	324	24.1	7.55	13.8	48.0	49.4	40.0	1.33	422	358.8	17.2	7.13	3311	3204	2725
6/6/25 17:00	10.44	322	23.3	7.52	13.8	46.2	48.2	40.0	1.32	423	350.4	17.2	7.19	3241	3253	2725
6/6/25 18:00	10.43	322	22.0	8.44	13.8	48.0	47.2	40.0	1.37	419	354.5	17.2	7.16	3275	3273	2725
6/6/25 19:00	10.35	320	21.5	8.20	13.8	45.7	47.4	40.0	1.32	419	353.8	17.2	7.20	3271	3275	2725
6/6/25 20:00	10.27	319	22.3	7.56	13.8	44.5	46.6	40.0	1.32	420	350.3	17.2	7.19	3253	3262	2725
6/6/25 21:00	10.13	319	22.4	7.64	13.9	45.1	46.0	40.0	1.34	420	349.5	17.2	7.13	3205	3266	2725
6/6/25 22:00	10.32	321	21.7	7.82	13.5	44.0	45.1	40.0	1.34	420	351.9	17.3	6.73	3192	3243	2725
6/6/25 23:00	10.33	319	22.0	7.81	13.0	44.1	44.5	40.0	1.39	417	340.4	17.4	6.39	3129	3217	2725
6/7/25 0:00	10.26	318	23.0	8.69	13.1	50.7	44.4	40.0	1.39	416	344.0	17.4	6.39	3142	3175	2725
6/7/25 1:00	10.17	316	23.7	8.14	13.2	49.6	46.3	40.0	1.39	414	343.4	17.4	6.40	3137	3154	2725
6/7/25 2:00	10.07	318	21.5	7.57	13.3	42.4	48.2	40.0	1.39	414	349.5	17.3	6.46	3191	3136	2725
6/7/25 3:00	10.21	317	21.7	7.59	13.3	42.9	47.6	40.0	1.40	414	339.1	17.3	6.46	3090	3156	2725
6/7/25 4:00	10.18	317	20.9	7.52	13.4	41.1	45.0	40.0	1.42	412	337.0	17.3	6.51	3063	3139	2725
6/7/25 5:00	10.22	318	20.4	7.50	13.4	40.1	42.1	40.0	1.41	412	335.2	17.3	6.51	3045	3115	2725
6/7/25 6:00	10.30	319	21.1	8.58	13.4	46.1	41.4	40.0	1.41	411	335.0	17.3	6.50	3033	3066	2725
6/7/25 7:00	10.28	316	21.0	7.91	13.4	43.4	42.4	40.0	1.42	412	345.1	17.3	6.54	3121	3047	2725
6/7/25 8:00	9.79	314	19.8	7.25	13.5	38.2	43.2	40.0	1.41	413	341.7	17.3	6.57	3034	3067	2725
6/7/25 9:00	9.68	315	19.7	7.29	13.5	38.0	42.6	40.0	1.36	417	347.7	17.2	6.66	3095	3063	2725
6/7/25 10:00	9.61	316	20.2	7.40	13.5	39.6	39.9	40.0	1.30	423	357.7	17.2	6.78	3201	3084	2726
6/7/25 11:00	9.49	314	20.9	7.39	13.5	40.7	38.6	40.0	1.31	424	349.2	17.3	6.77	3183	3110	2726
6/7/25 12:00	9.56	314	21.3	8.47	13.4	46.2	39.4	40.0	1.31	421	342.0	17.3	6.64	3117	3159	2726
6/7/25 13:00	9.63	314	20.6	8.28	13.3	43.7	42.1	40.0	1.30	419	333.5	17.4	6.38	3072	3167	2726
6/7/25 14:00	9.57	314	20.6	7.65	13.3	40.9	43.5	40.0	1.30	420	336.9	17.4	6.45	3098	3124	2726
6/7/25 15:00	9.55	314	20.0	7.67	13.3	39.8	43.6	40.0	1.31	421	338.3	17.4	6.52	3114	3096	2726
6/7/25 16:00	9.55	314	19.9	7.63	13.3	39.6	41.5	40.0	1.29	420	340.4	17.3	6.59	3125	3095	2726
6/7/25 17:00	9.52	313	18.7	7.62	13.3	37.2	40.1	40.0	1.30	420	345.0	17.3	6.64	3167	3112	2726
6/7/25 18:00	9.52	313	19.5	8.57	13.3	42.6	38.9	40.0	1.29	419	349.7	17.3	6.53	3215	3135	2726
6/7/25 19:00	9.49	313	19.6	8.22	13.5	41.5	39.8	40.0	1.32	422	358.0	17.3	6.64	3260	3169	2726
6/7/25 20:00	9.47	314	20.0	7.69	13.4	39.9	40.4	40.0	1.38	420	351.5	17.3	6.43	3211	3214	2726
6/7/25 21:00	9.43	313	18.9	7.63	13.2	37.5	41.3	40.0	1.40	418	347.9	17.4	6.31	3166	3228	2726
6/7/25 22:00	9.41	313	18.7	7.61	13.6	37.3	39.6	40.0	1.40	416	348.2	17.3	6.35	3151	3212	2726
6/7/25 23:00	9.52	313	18.8	7.61	13.3	37.3	38.2	40.0	1.41	415	344.2	17.3	6.38	3110	3176	2726
6/8/25 0:00	9.49	311	19.7	8.64	13.3	43.5	37.4	40.0	1.42	414	339.6	17.3	6.38	3080	3143	2726
6/8/25 1:00	9.43	311	20.5	8.11	13.3	42.9	39.4	40.0	1.40	413	337.9	17.3	6.40	3072	3114	2726
6/8/25 2:00	9.44	310	20.5	7.65	13.3	40.7	41.3	40.0	1.40	412	336.0	17.4	6.40	3062	3087	2726
6/8/25 3:00	9.47	310	21.6	7.90	13.3	44.1	42.4	40.0	1.40	412	335.5	17.3	6.42	3044	3071	2726
6/8/25 4:00	9.46	309	23.8	8.07	13.3	49.3	42.5	40.0	1.39	412	334.4	17.3	6.42	3015	3059	2726
6/8/25 5:00	9.44	309	24.4	8.16	13.3	50.9	44.7	40.0	1.40	411	331.8	17.3	6.39	2986	3040	2726
6/8/25 6:00	9.44	309	25.7	9.33	13.2	60.8	48.1	40.0	1.39	410	329.4	17.3	6.37	2963	3015	2726
6/8/25 7:00	9.44	309	22.0	8.56	13.3	48.8	53.7	40.0	1.40	410	324.7	17.3	6.38	2925	2988	2727
6/8/25 8:00	9.45	310	20.2	7.92	13.3	41.2	53.5	40.0	1.42	409	319.2	17.3	6.37	2881	2958	2727
6/8/25 9:00	9.46	311	20.1	7.95	13.3	41.3	50.3	40.0	1.43	408	313.4	17.3	6.38	2829	2923	2727
6/8/25 10:00	9.47	312	20.5	7.91	13.4	41.9	43.8	40.0	1.42	407	314.2	17.3	6.44	2853	2879	2727
6/8/25 11:00	9.49	311	19.9	7.97	13.4	40.9	41.4	40.0	1.42	406	309.6	17.4	6.39	2821	2855	2727
6/8/25 12:00	9.49	311	24.7	9.31	13.3	58.8	41.3	40.0	1.42	406	310.1	17.3	6.40	2821	2834	2727
6/8/25 13:00	9.49	311	24.4	8.78	13.4	54.6	47.2	40.0	1.43	405	306.3	17.4	6.35	2793	2832	2727
6/8/25 14:00	9.48	312	24.3	8.21	13.4	51.1	51.4	40.0	1.42	405	311.8	17.3	6.46	2810	2811	2727
6/8/25 15:00	9.49	312	24.9	8.18	13.4	52.2	54.8	40.0	1.42	406	307.1	17.3	6.44	2791	2808	2727
6/8/25 16:00	9.50	312	25.8	8.18	13.4	54.2	52.6	40.0	1.42	406	310.2	17.3	6.52	2804	2798	2727
6/8/25 17:00	9.52	311	25.6	8.17	13.4	53.8	52.5	40.0	1.43	405	308.4	17.3	6.47	2794	2801	2727
6/8/25 18:00	9.47	310	30.5	9.20	13.4	71.7	53.4	40.0	1.41	404	349.3	17.3	6.47	3190	2796	2727
6/8/25 19:00	9.46	309	28.8	8.80	13.5	64.8	59.9	40.0	1.40	404	306.1	17.3	6.56	2788	2929	2727
6/8/25 20:00	9.47	309	30.0	8.24	13.5	63.6	63.4	40.0	1.39	405	306.3	17.3	6.62	2761	2924	2727
6/8/25 21:00	9.51	308	28.4	8.13	13.6	59.6	66.7	40.0	1.39	406	312.6	17.3	6.69	2813	2913	2727
6/8/25 22:00	9.49	308	27.7	8.07	13.6	57.8	62.7	40.0	1.39	408	315.4	17.3	6.71	2836	2787	2727
6/8/25 23:00	9.47	308	27.0	7.95	13.6	55.6	60.3	40.0	1.34	409	315.0	17.3	6.72	2851	2803	2727

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/9/25 0:00	9.52	310	28.7	8.76	14.1	65.1	57.7	40.0	1.37	408	316.7	17.3	6.74	2866	2833	2727
6/9/25 1:00	9.62	308	27.7	8.44	13.6	59.9	59.5	40.0	1.40	407	312.3	17.3	6.67	2839	2851	2727
6/9/25 2:00	9.52	308	27.9	8.13	13.5	58.4	60.2	40.0	1.38	405	308.2	17.3	6.64	2823	2852	2727
6/9/25 3:00	9.54	309	28.4	7.93	13.5	58.2	61.2	40.0	1.32	407	311.7	17.3	6.72	2857	2843	2727
6/9/25 4:00	9.56	309	26.0	7.62	13.8	52.1	58.9	40.0	1.30	410	313.9	17.3	6.79	2881	2840	2727
6/9/25 5:00	9.48	308	24.5	7.50	13.8	48.6	56.2	40.0	1.31	411	317.4	17.3	6.82	2933	2854	2727
6/9/25 6:00	9.47	308	25.4	8.49	13.8	55.7	53.0	40.0	1.31	413	316.3	17.3	6.83	2928	2890	2727
6/9/25 7:00	9.47	307	20.4	7.90	13.8	42.9	52.1	40.0	1.33	414	314.9	17.3	6.80	2897	2914	2727
6/9/25 8:00	9.46	308	16.7	7.29	13.7	32.4	49.0	40.0	1.30	415	315.1	17.3	6.78	2877	2919	2727
6/9/25 9:00	9.53	309	16.5	7.30	13.8	32.0	43.7	40.0	1.31	414	317.5	17.3	6.78	2888	2901	2727
6/9/25 10:00	9.49	309	16.0	7.31	13.9	31.2	35.8	40.0	1.32	413	320.1	17.3	6.82	2929	2887	2727
6/9/25 11:00	9.52	309	15.0	7.32	13.9	29.3	31.9	40.0	1.31	414	317.7	17.2	6.87	2882	2898	2727
6/9/25 12:00	9.51	309	14.7	8.44	14.0	32.2	30.9	40.0	1.30	414	315.9	17.2	6.96	2863	2900	2727
6/9/25 13:00	9.52	309	14.6	8.03	14.0	30.7	30.9	40.0	1.31	414	317.0	17.2	7.02	2863	2891	2727
6/9/25 14:00	9.50	309	14.5	7.47	13.9	28.8	30.7	40.0	1.31	417	321.7	17.2	7.04	2926	2869	2727
6/9/25 15:00	9.44	310	14.9	7.48	13.9	29.5	30.6	40.0	1.32	415	317.0	17.3	6.92	2928	2884	2727
6/9/25 16:00	9.47	310	14.6	7.47	13.8	28.8	29.7	40.0	1.31	411	310.9	17.3	6.86	2904	2906	2727
6/9/25 17:00	9.47	309	14.4	7.51	13.8	28.5	29.0	40.0	1.31	410	312.0	17.3	6.83	2905	2919	2727
6/9/25 18:00	9.45	309	13.9	8.40	13.8	30.3	28.9	40.0	1.30	411	316.8	17.3	6.91	2920	2912	2727
6/9/25 19:00	9.44	309	13.6	8.20	13.8	28.9	29.2	40.0	1.32	410	308.5	17.3	6.81	2872	2910	2727
6/9/25 20:00	9.40	307	13.2	7.53	13.8	26.1	29.2	40.0	1.32	407	313.1	17.3	6.81	2912	2899	2727
6/9/25 21:00	9.47	308	12.3	7.51	13.8	24.4	28.4	40.0	1.32	405	314.8	17.3	6.80	2958	2901	2727
6/9/25 22:00	9.54	307	12.5	7.49	13.8	24.7	26.5	40.0	1.32	405	309.5	17.3	6.83	2878	2914	2727
6/9/25 23:00	9.57	310	12.0	7.53	14.3	24.0	25.1	40.0	1.31	406	309.9	17.2	6.84	2772	2916	2727
6/10/25 0:00	9.71	310	12.6	8.58	13.7	27.8	24.4	40.0	1.31	409	321.0	17.2	6.98	2875	2869	2727
6/10/25 1:00	9.59	308	12.1	8.26	13.7	25.9	25.5	40.0	1.31	410	313.6	17.3	6.94	2884	2841	2727
6/10/25 2:00	9.52	307	12.8	7.64	13.7	25.6	25.9	40.0	1.31	409	312.9	17.2	6.93	2850	2844	2727
6/10/25 3:00	9.50	307	12.7	7.63	13.7	25.5	26.4	40.0	1.31	410	315.6	17.2	6.88	2848	2870	2727
6/10/25 4:00	9.51	307	13.2	7.60	13.6	26.3	25.7	40.0	1.31	408	311.9	17.2	6.64	2679	2861	2727
6/10/25 5:00	9.52	307	13.4	7.61	13.6	26.8	25.8	40.0	1.31	407	308.6	17.2	6.61	2696	2792	2727
6/10/25 6:00	9.47	306	13.4	8.51	13.6	29.2	26.2	40.0	1.33	407	311.0	17.3	6.61	2804	2741	2727
6/10/25 7:00	9.42	306	15.6	7.82	13.6	31.9	27.4	40.0	1.31	407	304.1	17.3	6.47	2740	2726	2727
6/10/25 8:00	9.46	308	16.2	7.14	13.5	31.0	29.3	40.0	1.31	408	299.7	17.3	6.40	2662	2747	2727
6/10/25 9:00	9.43	309	15.5	7.19	13.5	29.6	30.7	40.0	1.31	407	301.1	17.4	6.25	2757	2736	2727
6/10/25 10:00	9.42	312	15.3	7.24	13.5	29.4	30.8	40.0	1.29	401	269.5	17.6	5.82	2554	2720	2727
6/10/25 11:00	9.42	311	15.6	7.34	13.5	30.3	30.0	40.0	1.29	400	284.0	17.5	5.91	2631	2658	2727
6/10/25 12:00	9.40	312	16.8	8.41	13.4	36.2	29.8	40.0	1.27	401	278.9	17.5	5.81	2591	2647	2727
6/10/25 13:00	9.43	312	15.8	8.30	13.5	33.7	31.9	40.0	1.29	402	310.9	17.5	5.95	2891	2592	2727
6/10/25 14:00	9.46	312	15.8	7.56	13.5	31.2	33.4	40.0	1.27	403	301.4	17.5	5.94	2790	2704	2727
6/10/25 15:00	9.46	312	15.9	7.57	13.5	31.5	33.7	40.0	1.28	404	324.4	17.5	6.07	3025	2758	2727
6/10/25 16:00	9.46	311	15.7	7.57	13.7	31.3	32.1	40.0	1.30	405	353.9	17.4	6.55	3252	2902	2727
6/10/25 17:00	9.48	311	15.3	7.57	13.7	30.4	31.3	40.0	1.30	409	296.5	17.3	6.63	2711	3023	2727
6/10/25 18:00	9.45	310	16.1	8.40	13.8	34.8	31.1	40.0	1.31	409	295.4	17.3	6.79	2676	2996	2727
6/10/25 19:00	9.49	309	15.5	8.35	13.7	33.3	32.2	40.0	1.32	408	300.3	17.3	6.68	2734	2880	2727
6/10/25 20:00	9.47	309	15.8	7.53	13.8	31.5	32.8	40.0	1.31	409	301.5	17.3	6.67	2714	2707	2727
6/10/25 21:00	9.51	310	15.7	7.48	13.8	31.1	33.2	40.0	1.31	411	300.1	17.2	6.78	2687	2708	2727
6/10/25 22:00	9.49	309	15.7	7.55	13.8	31.3	31.9	40.0	1.30	412	310.9	17.2	6.83	2781	2711	2727
6/10/25 23:00	9.52	311	15.3	7.54	14.2	30.7	31.3	40.0	1.31	412	311.8	17.2	6.78	2798	2727	2727
6/11/25 0:00	9.62	310	16.0	8.49	13.8	34.9	31.0	40.0	1.30	412	313.5	17.2	6.81	2816	2755	2727
6/11/25 1:00	9.43	309	15.3	8.16	13.7	32.4	32.3	40.0	1.30	413	315.2	17.2	6.86	2828	2798	2727
6/11/25 2:00	9.41	308	15.9	7.53	13.8	31.5	32.6	40.0	1.31	413	316.7	17.2	6.79	2835	2814	2727
6/11/25 3:00	9.38	308	14.9	7.54	13.7	29.5	32.9	40.0	1.30	414	317.5	17.2	6.80	2850	2826	2727
6/11/25 4:00	9.41	308	15.7	7.53	13.7	31.1	31.1	40.0	1.31	413	316.6	17.2	6.70	2833	2838	2727
6/11/25 5:00	9.40	307	15.4	7.52	13.7	30.5	30.7	40.0	1.31	410	314.7	17.2	6.69	2818	2839	2727
6/11/25 6:00	9.39	307	15.7	8.50	13.7	34.3	30.3	40.0	1.32	411	343.9	17.2	6.74	3056	2834	2727
6/11/25 7:00	9.41	307	18.1	7.82	13.7	37.3	31.9	40.0	1.32	411	325.6	17.2	6.74	2902	2903	2727
6/11/25 8:00	9.37	308	16.4	7.23	13.6	31.6	34.0	40.0	1.33	412	337.2	17.2	6.85	2984	2925	2728
6/11/25 9:00	9.39	309	16.3	7.29	13.6	31.6	34.4	40.0	1.33	413	340.6	17.2	6.85	3046	2981	2728
6/11/25 10:00	9.43	312	16.6	7.36	13.5	32.2	33.5	40.0	1.33	415	339.5	17.3	6.82	3086	2977	2728
6/11/25 11:00	9.44	310	16.9	7.42	13.5	33.0	31.8	40.0	1.32	416	358.4	17.2	6.90	3242	3039	2728
6/11/25 12:00	9.40	309	17.1	8.54	13.5	37.6	32.3	40.0	1.31	416	329.3	17.3	6.84	3011	3125	2728
6/11/25 13:00	9.36	309	17.3	8.34	13.6	37.0	34.3	40.0	1.31	418	352.1	17.2	6.97	3185	3113	2728
6/11/25 14:00	9.33	308	17.8	7.65	13.6	35.6	35.9	40.0	1.30	419	353.0	17.2	6.99	3167	3146	2728
6/11/25 15:00	9.31	308	17.6	7.61	13.6	35.0	36.8	40.0	1.30	420	360.2	17.2	7.02	3206	3121	2728
6/11/25 16:00	9.29	308	17.8	7.57	13.7	35.3	35.9	40.0	1.30	419	346.3	17.2	6.94	3161	3186	2728
6/11/25 17:00	9.25	309	16.6	7.53	13.5	32.9	35.3	40.0	1.29	418	353.6	17.3	6.65	3206	3178	2728
6/11/25 18:00	9.19	311	16.5	8.53	13.6	36.3	34.4	40.0	1.28	417	342.3	17.3	6.61	3089	3191	2728
6/11/25 19:00	9.21	311	16.5	8.29	13.7	35.4	34.8	40.0	1.27	417	355.4	17.2	6.88	3148	3152	2728
6/11/25 20:00	9.24	310	16.5	7.71	13.6	33.3	34.9	40.0	1.27	419	353.5	17.2	6.86	3197	3148	2728
6/11/25 21:00	9.20	310	17.5	7.85	13.8	35.9	35.0	40.0	1.28	419	360.8	17.2	6.84	3243	3144	2728
6/11/25 22:00	9.22	312	16.1	7.96	14.2	33.6	34.9	40.0	1.28	420	355.2	17.2	6.91	3181	3196	2728
6/11/25 23:00	9.51	312	16.2	7.96	13.7	33.6	34.3	40.0	1.29	419	350.6	17.2	6.95	3131	3207	2728
6/12/25 0:00	9.38	312	15.4	8.67	13.8	34.4	34.3	40.0	1.32	419	361.4	17.2	7.09	3220	3185	2728
6/12/25 1:00	9.30	310	15.5	8.39	13.7	33.4	33.8	40.0	1.32	419	359.2	17.2	6.87	3247	3177	2728
6/12/25 2:00	9.24	309	15.0	7.73	13.3	30.0	33.8	40.0	1.32	417	365.5	17.3	6.49	3325	3199	2728
6/12/25 3:00	9.25	310	14.7	7.70	13.3	29.4	32.6	40.0	1.34	416	384.4	17.3	6.50	3466	3264	2729
6/12/25 4:00	9.41	312	14.8	7.70	13.2	29.5	31.0	40.0	1.37	413	364.0	17.4	6.33	3305	3346	2729
6/12/25 5:00	9.52	311	14.9	7.73	13.2	29.7	29.6	40.0	1.35	413	336.1	17.3	6.39	3033	3365	2729
6/12/25 6:00	9.50	310	15.8	8.73	13.2	34.9	29.5	40.0	1.35	412	338.2	17.4	6.36	3075	3268	2729
6/12/25 7:00	9.39	308	17.4	7.94	13.3	35.7	31.4	40.0	1.32	414	335.3	17.3	6.37	3028	3138	2729
6/12/25 8:00	9.35	310	16.3	7.40	13.1	31.6	33.5	40.0	1.32	414	364.0	17.3	6.47	3280	3045	2729
6/12/25 9:00	9.55	311	15.9	7.47	13.4	31.2	34.1	40.0	1.30	414	343.6	17.3	6.43	3118	3128	2729
6/12/25 10:00	9.45	313	16.2	7.54	13.4	32.0	32.8	40.0	1.31	415	349.5	17.3	6.48	3157	3142	2729
6/12/25 11:00	9.54	316	15.7	7.72	13.2	31.4	31.6	40.0	1.31	414	338.5	17.3	6.53	3096	3185	2729
6/12/25 12:00	9.64	314	17.1	9.26	13.0	40.0	31.5	40.0	1.32	413	342.2	17.3	6.58	3130	3123	2729
6/12/25 13:00	9.54	310	19.8	8.87	12.7	44.0	34.5	40.0	1.30	414	357.7	17.3	6.61	3263	3127	2729
6/12/25 14:00	9.20	310	19.0	8.36	12.7	40.1	38.5	40.0	1.30	416	350.0	17.3	6.55	3213	3163	2729
6/12/25 15:00	9.24	312	17.5	8.41	12.7	37.0	41.4	40.0	1.30	419	365.0	17.3	6.43	3298	3202	2729
6/12/25 16:00	9.21	315	17.3	8.49	12.6	36.8	40.4	40.0	1.29	419	342.2	17.4	6.29	3134	3258	2729
6/12/25 17:00	9.23	316	16.7	8.49	12.6	35.5	37.9	40.0	1.29	419	351.1	17.4	6.36	3188	3215	2729
6/12/25 18:00	9.27	315	17.5	9.54	12.5	41.7	36.4	40.0	1.30	420	354.3	17.4	6.35	3225	3207	2729
6/12/25 19:00	9.19	314	17.6	9.24	12.5	40.7	38.0	40.0	1.30	420	354.3	17.3	6.35	3205	3182	2729

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/12/25 20:00	9.24	315	16.9	8.54	12.6	36.1	39.3	40.0	1.32	420	362.3	17.3	6.37	3266	3206	2729
6/12/25 21:00	9.43	316	16.3	8.50	12.6	34.7	39.5	39.9	1.35	418	356.7	17.3	6.35	3218	3232	2730
6/12/25 22:00	9.45	318	15.3	8.44	13.3	32.7	37.2	39.9	1.39	416	351.9	17.3	6.41	3198	3230	2730
6/12/25 23:00	9.74	319	14.5	8.59	12.9	31.5	34.5	39.9	1.41	414	365.3	17.3	6.45	3258	3227	2730
6/13/25 0:00	10.03	319	15.3	9.64	12.4	36.8	33.0	39.9	1.39	412	332.5	17.4	6.21	3050	3225	2730
6/13/25 1:00	10.03	318	15.2	8.99	12.6	34.4	33.7	39.9	1.39	410	374.6	17.3	6.35	3381	3169	2730
6/13/25 2:00	9.89	316	17.1	8.51	12.7	36.7	34.2	39.9	1.37	410	334.3	17.4	6.32	3069	3230	2730
6/13/25 3:00	9.63	313	18.0	8.59	12.7	38.8	36.0	39.9	1.37	409	324.1	17.4	6.33	2975	3166	2730
6/13/25 4:00	9.49	311	19.3	8.84	12.7	42.6	36.6	39.9	1.40	409	333.4	17.3	6.41	3013	3142	2730
6/13/25 5:00	9.44	312	20.9	8.99	12.8	47.0	39.4	39.9	1.43	406	327.8	17.3	6.40	2960	3019	2730
6/13/25 6:00	9.69	313	21.0	10.08	12.8	54.0	42.8	39.9	1.44	405	348.7	17.3	6.59	3112	2983	2730
6/13/25 7:00	9.64	312	18.9	9.35	12.9	45.2	47.9	39.9	1.43	404	309.8	17.3	6.45	2804	3028	2730
6/13/25 8:00	9.62	313	19.1	8.84	12.8	42.4	48.7	39.9	1.43	401	288.7	17.4	6.25	2630	2959	2730
6/13/25 9:00	9.62	314	21.1	8.91	12.8	47.2	47.2	40.0	1.43	399	283.9	17.5	6.07	2622	2849	2730
6/13/25 10:00	9.70	317	21.5	8.97	12.7	48.3	44.9	40.0	1.43	398	354.9	17.4	6.17	3202	2685	2730
6/13/25 11:00	9.64	316	21.9	8.96	12.7	49.0	46.0	40.0	1.42	399	281.7	17.4	6.18	2553	2818	2730
6/13/25 12:00	9.58	314	23.3	10.14	12.7	60.0	48.2	40.0	1.41	401	279.5	17.4	6.27	2549	2793	2730
6/13/25 13:00	9.54	314	22.2	9.76	12.8	54.5	52.4	40.0	1.43	402	279.2	17.4	6.24	2554	2768	2730
6/13/25 14:00	9.56	314	23.4	9.18	12.8	53.7	54.5	40.0	1.43	401	282.0	17.4	6.24	2569	2552	2730
6/13/25 15:00	9.56	313	23.7	9.17	12.8	54.5	56.1	40.0	1.43	401	277.3	17.4	6.28	2540	2558	2730
6/13/25 16:00	9.55	316	22.4	9.02	12.8	50.7	54.2	40.0	1.42	401	292.9	17.4	6.34	2676	2554	2730
6/13/25 17:00	9.76	315	22.8	9.01	12.9	51.6	53.0	40.0	1.43	401	270.5	17.4	6.33	2483	2595	2730
6/13/25 18:00	9.58	314	25.6	10.23	12.8	67.0	52.2	40.0	1.43	401	288.7	17.4	6.24	2613	2566	2730
6/13/25 19:00	9.75	317	24.1	9.84	12.9	60.4	56.4	40.0	1.42	401	281.1	17.3	6.30	2533	2591	2730
6/13/25 20:00	10.02	318	24.4	9.04	12.9	55.4	59.6	40.0	1.41	402	277.4	17.3	6.38	2488	2543	2730
6/13/25 21:00	10.04	317	25.4	9.08	12.9	57.8	60.9	40.0	1.41	403	282.5	17.3	6.39	2528	2545	2730
6/13/25 22:00	9.80	316	25.5	9.15	13.7	59.6	57.9	40.0	1.40	403	275.1	17.3	6.41	2456	2516	2730
6/13/25 23:00	9.96	314	25.8	9.33	12.9	60.5	57.6	40.0	1.43	401	275.0	17.3	6.46	2456	2490	2730
6/14/25 0:00	9.75	312	29.3	10.25	12.9	77.1	59.3	40.0	1.43	403	294.7	17.3	6.50	2608	2480	2730
6/14/25 1:00	9.71	312	28.9	9.76	13.0	71.6	65.7	40.0	1.41	403	270.3	17.3	6.37	2427	2506	2730
6/14/25 2:00	9.65	311	29.5	9.22	12.9	68.4	69.7	40.0	1.41	402	269.7	17.3	6.34	2429	2497	2730
6/14/25 3:00	9.59	311	30.2	9.15	12.9	69.3	72.4	40.0	1.41	402	271.6	17.3	6.38	2411	2488	2730
6/14/25 4:00	9.55	310	29.7	9.19	12.8	68.5	69.7	40.0	1.41	403	271.5	17.3	6.33	2421	2422	2730
6/14/25 5:00	9.48	311	30.4	9.28	12.7	70.5	68.7	40.0	1.41	402	272.3	17.3	6.33	2440	2420	2729
6/14/25 6:00	9.70	315	32.7	10.50	12.5	87.8	69.4	40.0	1.42	402	280.3	17.3	6.30	2515	2424	2729
6/14/25 7:00	9.84	314	26.0	9.88	12.5	66.5	75.6	40.0	1.44	402	337.1	17.3	6.37	2978	2459	2729
6/14/25 8:00	9.74	329	17.0	10.51	11.0	43.7	74.9	40.0	1.39	398	245.2	17.5	5.94	2293	2644	2729
6/14/25 9:00	11.34	345	23.7	8.93	12.6	52.6	66.0	40.0	1.40	394	229.0	17.6	5.80	2157	2595	2729
6/14/25 10:00	9.36	349	26.0	8.26	13.3	55.0	54.3	40.0	1.40	394	186.2	17.5	5.78	1730	2476	2729
6/14/25 11:00	8.67	347	24.8	8.04	13.4	51.3	50.4	40.0	1.36	395	186.6	17.5	5.87	1749	2060	2729
6/14/25 12:00	8.68	346	24.5	8.83	13.3	55.2	53.0	40.0	1.36	397	189.7	17.5	5.92	1784	1879	2729
6/14/25 13:00	8.79	345	24.2	8.89	13.3	54.6	53.8	40.0	1.30	401	190.8	17.5	5.90	1810	1754	2729
6/14/25 14:00	8.78	342	25.5	8.10	13.2	52.9	53.7	40.0	1.29	402	189.7	17.6	5.86	1831	1781	2729
6/14/25 15:00	8.66	341	25.4	8.04	13.2	52.4	54.2	40.0	1.29	405	237.7	17.5	6.11	2261	1808	2729
6/14/25 16:00	8.70	339	25.2	8.01	13.2	51.7	53.3	40.0	1.31	404	224.9	17.5	6.10	2150	1967	2729
6/14/25 17:00	8.67	341	24.3	7.80	13.3	49.0	52.4	40.0	1.34	400	215.7	17.6	5.94	2070	2081	2729
6/14/25 18:00	8.83	341	24.3	8.62	13.2	53.4	51.0	40.0	1.35	400	280.3	17.5	6.15	2600	2160	2729
6/14/25 19:00	8.71	335	25.3	8.88	13.3	57.0	51.3	40.0	1.38	405	359.5	17.3	6.41	3230	2273	2729
6/14/25 20:00	8.60	331	28.0	8.44	13.2	60.0	53.1	40.0	1.36	407	302.8	17.4	6.30	2743	2633	2729
6/14/25 21:00	8.39	332	28.1	8.34	13.2	59.6	56.8	40.0	1.35	407	297.8	17.4	6.18	2706	2858	2729
6/14/25 22:00	8.63	332	29.1	8.43	13.1	62.2	58.9	40.0	1.34	406	272.7	17.4	6.12	2483	2893	2729
6/14/25 23:00	8.49	332	27.9	8.30	13.1	58.9	60.6	40.0	1.37	407	287.3	17.4	6.22	2590	2644	2729
6/15/25 0:00	8.59	334	28.9	9.21	13.1	67.1	60.2	40.0	1.37	410	340.2	17.3	6.40	2980	2593	2729
6/15/25 1:00	8.66	332	28.5	9.07	13.1	65.2	62.8	40.0	1.38	413	328.4	17.2	6.42	2865	2684	2729
6/15/25 2:00	8.48	331	29.3	8.41	13.1	62.6	63.7	40.0	1.39	414	350.0	17.2	6.46	3021	2812	2729
6/15/25 3:00	8.62	332	29.1	8.38	13.1	62.0	65.0	40.0	1.39	414	333.2	17.2	6.47	2895	2955	2729
6/15/25 4:00	8.59	330	30.0	8.33	13.1	63.7	63.3	40.1	1.37	413	339.0	17.2	6.51	2942	2927	2729
6/15/25 5:00	8.56	334	28.8	8.25	13.2	60.5	62.8	40.1	1.38	413	328.8	17.2	6.49	2889	2952	2729
6/15/25 6:00	8.83	334	30.0	9.25	13.1	70.3	62.1	40.1	1.38	413	337.8	17.2	6.58	2943	2908	2729
6/15/25 7:00	8.68	332	31.0	8.46	13.2	66.9	64.9	40.1	1.36	413	342.4	17.2	6.53	2983	2925	2729
6/15/25 8:00	8.66	341	30.3	7.79	13.1	60.9	65.9	40.1	1.40	416	334.5	17.2	6.57	2863	2939	2729
6/15/25 9:00	8.94	343	29.1	7.78	13.2	58.5	66.1	40.1	1.40	417	343.6	17.1	6.72	2935	2930	2729
6/15/25 10:00	8.98	345	28.0	7.71	13.2	55.8	62.1	40.1	1.40	417	333.3	17.2	6.73	2896	2927	2729
6/15/25 11:00	8.83	337	31.1	7.86	13.3	63.1	58.4	40.1	1.41	415	342.3	17.2	6.76	2981	2898	2729
6/15/25 12:00	8.66	332	32.9	9.03	13.3	75.7	59.1	40.1	1.38	416	364.0	17.2	6.81	3187	2937	2729
6/15/25 13:00	8.56	333	32.3	8.62	13.4	71.2	64.9	40.1	1.40	415	341.4	17.2	6.86	2999	3021	2729
6/15/25 14:00	8.59	331	32.2	8.04	13.5	66.8	70.0	40.1	1.39	415	344.3	17.2	6.93	3022	3055	2729
6/15/25 15:00	8.52	330	31.8	7.91	13.4	65.1	71.2	40.1	1.38	416	373.6	17.2	6.90	3273	3069	2729
6/15/25 16:00	8.47	333	30.9	7.95	13.4	63.4	67.7	40.1	1.41	416	355.8	17.2	6.84	3112	3098	2729
6/15/25 17:00	8.63	334	30.9	7.98	13.4	63.5	65.1	40.1	1.40	417	372.2	17.1	6.93	3222	3136	2729
6/15/25 18:00	8.60	331	33.1	9.25	13.3	78.2	64.0	40.1	1.40	416	360.9	17.1	6.83	3137	3202	2729
6/15/25 19:00	8.45	328	35.1	8.88	13.2	79.1	68.4	40.1	1.39	415	351.6	17.2	6.74	3066	3157	2729
6/15/25 20:00	8.40	328	36.1	8.29	13.1	76.1	73.6	40.1	1.40	416	345.3	17.2	6.71	2994	3141	2729
6/15/25 21:00	8.45	330	35.6	8.28	13.0	74.9	77.8	40.1	1.38	417	346.7	17.2	6.62	2990	3066	2729
6/15/25 22:00	8.61	333	33.1	8.25	13.4	69.9	76.7	40.1	1.39	417	343.9	17.2	6.62	2963	3016	2729
6/15/25 23:00	8.67	322	34.4	8.20	13.0	71.6	73.6	40.1	1.38	417	340.2	17.2	6.58	2929	2982	2729
6/16/25 0:00	8.30	322	37.2	9.36	12.5	86.9	72.1	40.1	1.38	418	347.9	17.2	6.61	2974	2961	2729
6/16/25 1:00	8.48	324	35.2	8.59	13.0	76.5	76.2	40.1	1.37	418	337.1	17.2	6.57	2897	2955	2729
6/16/25 2:00	8.42	326	35.0	8.09	13.2	72.6	78.4	40.1	1.36	419	351.8	17.2	6.65	3017	2933	2729
6/16/25 3:00	8.74	333	33.9	8.13	13.2	70.5	78.7	40.1	1.37	418	348.3	17.2	6.67	2987	2963	2730
6/16/25 4:00	8.83	325	35.2	8.18	13.2	73.6	73.2	40.1	1.36	417	339.6	17.2	6.60	2937	2967	2730
6/16/25 5:00	8.47	322	36.7	8.17	13.1	76.6	72.2	40.1	1.36	417	339.2	17.2	6.58	2948	2980	2730
6/16/25 6:00	8.44	319	39.0	9.38	13.2	93.0	73.5	40.1	1.34	416	329.5	17.2	6.56	2882	2957	2730
6/16/25 7:00	8.27	320	33.8	8.44	13.3	74.1	81.1	40.1	1.35	417	349.5	17.2	6.67	3027	2922	2730
6/16/25 8:00	8.38	323	31.2	7.68	13.4	62.5	81.2	40.2	1.38	417	337.5	17.2	6.63	2933	2952	2730
6/16/25 9:00	8.39	322	30.3	7.95	13.2	62.0	76.5	40.2	1.37	416	338.7	17.2	6.77	2945	2947	2730
6/16/25 10:00	8.58	325	29.7	7.79	13.3	60.0	66.2	40.2	1.34	418	332.9	17.2	6.85	2924	2968	2730
6/16/25 11:00	8.54	328	32.5	6.84	14.3	61.1	61.5	40.2	1.31	421	328.0	17.2	6.87	2918	2934	2730
6/16/25 12:00	7.72	333	33.6	7.60	14.6	68.5	61.0	40.2	1.31	422	335.0	17.2	6.96	2989	2929	2730
6/16/25 13:00	7.55	333	32.4	7.12	14.7	63.2	63.2	40.2	1.30	422	330.3	17.2	6.98	2975	2943	2730
6/16/25 14:00	7.56	332	32.0	6.52	14.8	59.1	64.3	40.2	1.31	421	770.8	17.2	7.06	6923	2960	2730
6/16/25 15:00	7.52	335	32.6	6.51	15.0	60.2	63.6	40.2	1.35	420	838.6	17.2	7.13	7554	4295	2731

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/16/25 16:00	7.63	338	31.6	6.52	15.0	58.7	60.9	40.2	1.35	418	338.7	17.2	7.17	3061	5817	2731
6/16/25 17:00	7.72	339	30.8	6.53	15.0	57.2	59.3	40.2	1.32	418	348.3	17.1	7.29	3114	5846	2731
6/16/25 18:00	7.73	338	31.9	7.59	14.9	65.5	58.7	40.2	1.29	421	348.2	17.1	7.21	3120	4576	2731
6/16/25 19:00	7.85	338	31.4	7.01	15.0	61.0	60.5	40.2	1.30	421	353.7	17.1	7.26	3178	3098	2731
6/16/25 20:00	7.80	338	29.0	6.56	15.1	54.0	61.3	40.2	1.36	417	347.2	17.2	7.23	3129	3137	2731
6/16/25 21:00	7.91	346	27.9	6.81	15.0	53.1	60.2	40.2	1.37	415	338.4	17.2	7.24	3055	3142	2731
6/16/25 22:00	8.16	347	28.7	6.81	14.9	54.6	56.0	40.2	1.33	415	333.1	17.2	7.23	3013	3120	2731
6/16/25 23:00	8.12	341	29.6	6.97	15.3	57.6	53.9	40.2	1.33	415	336.3	17.2	7.24	3052	3065	2731
6/17/25 0:00	8.00	336	32.6	8.23	14.9	71.2	55.1	40.2	1.35	415	335.6	17.2	7.21	3052	3040	2731
6/17/25 1:00	7.84	332	33.4	7.14	15.0	65.7	61.1	40.2	1.31	417	339.9	17.1	7.27	3046	3039	2731
6/17/25 2:00	7.61	326	33.4	6.66	15.0	62.6	64.8	40.2	1.30	419	345.1	17.1	7.28	3120	3050	2731
6/17/25 3:00	7.41	326	33.8	6.60	15.0	63.0	66.5	40.2	1.31	420	334.6	17.2	7.26	3028	3073	2731
6/17/25 4:00	7.53	327	33.4	6.50	15.0	61.8	63.8	40.2	1.31	420	330.4	17.2	7.22	2994	3065	2731
6/17/25 5:00	7.65	327	33.5	6.46	15.0	61.7	62.5	40.2	1.30	419	330.2	17.2	7.21	2984	3048	2731
6/17/25 6:00	7.55	326	34.0	7.79	15.0	71.3	62.2	40.2	1.35	416	333.9	17.2	7.20	3025	3002	2731
6/17/25 7:00	7.50	328	35.8	7.00	15.0	70.2	64.9	40.2	1.30	418	324.9	17.2	7.16	2938	3001	2731
6/17/25 8:00	7.64	332	34.2	6.23	15.0	61.8	67.8	40.2	1.36	417	325.8	17.1	7.16	2888	2982	2731
6/17/25 9:00	7.71	337	34.1	6.30	14.8	61.8	67.8	40.2	1.36	416	323.8	17.1	7.14	2863	2950	2731
6/17/25 10:00	7.86	324	29.5	8.12	12.8	60.8	64.6	40.2	1.33	416	322.9	17.1	7.15	2868	2896	2732
6/17/25 11:00	9.13	316	30.7	8.13	12.7	63.2	61.5	40.2	1.35	416	266.7	17.1	7.13	2365	2873	2731
6/17/25 12:00	9.14	319	31.4	9.76	12.8	78.1	62.0	40.2	1.35	417	329.1	17.1	7.23	2898	2699	2731
6/17/25 13:00	9.40	313	27.2	9.23	11.9	61.7	67.4	40.2	1.31	419	329.4	17.1	7.23	2913	2710	2731
6/17/25 14:00	10.53	323	25.0	8.93	12.3	55.4	67.7	40.2	1.32	419	242.6	17.1	7.19	2151	2725	2731
6/17/25 15:00	10.13	322	26.3	8.78	12.4	57.5	65.1	40.2	1.32	420	320.3	17.2	7.19	2879	2654	2731
6/17/25 16:00	9.74	320	27.5	8.95	12.5	61.3	58.2	40.2	1.36	416	316.8	17.1	7.20	2840	2648	2731
6/17/25 17:00	9.67	322	29.1	8.96	12.5	64.8	58.1	40.2	1.37	415	329.1	17.1	7.22	2938	2623	2731
6/17/25 18:00	9.70	323	30.5	10.26	12.5	79.5	61.2	40.2	1.34	415	332.3	17.1	7.26	2963	2886	2732
6/17/25 19:00	9.63	331	28.9	9.41	12.5	67.9	68.5	40.2	1.38	414	331.2	17.1	7.20	2965	2914	2732
6/17/25 20:00	9.95	335	29.4	8.81	13.0	65.7	70.8	40.2	1.34	413	322.1	17.1	7.23	2875	2956	2732
6/17/25 21:00	10.14	333	33.0	8.70	12.9	72.3	71.0	40.3	1.28	416	320.8	17.1	7.29	2883	2935	2732
6/17/25 22:00	9.57	313	38.6	7.41	14.0	76.0	68.7	40.3	1.27	419	335.9	17.1	7.36	3003	2908	2732
6/17/25 23:00	8.32	279	47.2	6.31	15.2	86.1	71.3	40.3	1.27	420	326.8	17.1	7.36	2930	2921	2732
6/18/25 0:00	7.41	270	48.6	7.32	15.5	98.4	78.1	40.3	1.27	420	313.7	17.1	7.42	2827	2939	2732
6/18/25 1:00	7.27	270	44.1	6.07	15.5	79.5	86.8	40.3	1.27	417	311.8	17.1	7.58	2806	2920	2732
6/18/25 2:00	7.39	272	40.3	5.96	15.6	72.0	88.0	40.3	1.27	417	315.8	17.0	7.67	2790	2854	2732
6/18/25 3:00	7.56	272	40.1	5.88	15.5	71.0	83.3	40.3	1.26	418	309.8	17.1	7.63	2777	2808	2732
6/18/25 4:00	7.45	270	41.8	5.56	15.7	72.3	74.2	40.3	1.31	418	316.9	17.1	7.45	2849	2791	2732
6/18/25 5:00	7.23	270	40.9	5.50	15.7	70.5	71.8	40.3	1.28	419	326.8	17.1	7.53	2945	2805	2732
6/18/25 6:00	7.24	270	39.6	6.79	15.8	76.5	71.3	40.3	1.29	419	321.0	17.1	7.49	2898	2857	2732
6/18/25 7:00	7.23	272	32.8	5.71	16.3	58.8	73.1	40.3	1.27	422	344.1	17.1	7.65	3093	2897	2732
6/18/25 8:00	7.44	275	22.0	4.83	16.7	36.4	68.6	40.3	1.27	422	320.6	17.1	7.58	2870	2979	2732
6/18/25 9:00	7.19	274	24.0	4.88	16.7	39.9	57.2	40.3	1.27	423	325.2	17.1	7.52	2917	2954	2732
6/18/25 10:00	7.20	276	25.1	4.91	16.8	41.9	45.0	40.3	1.27	422	321.5	17.1	7.51	2890	2960	2732
6/18/25 11:00	7.11	278	24.4	4.98	16.7	41.0	39.4	40.3	1.27	422	332.3	17.1	7.58	2983	2893	2732
6/18/25 12:00	7.38	278	25.0	6.22	16.8	46.9	40.9	40.3	1.26	422	312.9	17.1	7.59	2827	2930	2732
6/18/25 13:00	7.25	276	25.4	5.65	16.8	45.1	43.3	40.3	1.27	424	138.4	17.0	7.61	1256	2900	2732
6/18/25 14:00	7.08	270	24.3	5.22	17.0	41.7	44.3	40.3	1.27	420	160.0	17.1	7.67	1460	2355	2732
6/18/25 15:00	7.11	270	22.7	5.22	17.1	39.2	44.6	40.3	1.27	420	310.8	17.1	7.86	2849	1847	2732
6/18/25 16:00	7.23	274	20.2	5.31	17.0	34.9	42.0	40.3	1.34	414	301.2	17.1	7.59	2761	1855	2732
6/18/25 17:00	7.31	272	20.8	5.30	17.0	36.1	38.6	40.3	1.30	416	285.6	17.1	7.53	2637	2357	2732
6/18/25 18:00	7.10	272	22.8	6.43	16.8	43.7	36.7	40.3	1.27	417	279.1	17.2	7.39	2603	2749	2732
6/18/25 19:00	7.15	270	23.5	5.56	16.9	41.7	38.2	40.3	1.28	417	283.6	17.2	7.40	2648	2667	2732
6/18/25 20:00	7.14	270	20.9	5.13	16.9	35.7	40.5	40.3	1.26	415	285.4	17.2	7.43	2680	2629	2732
6/18/25 21:00	7.07	269	23.4	5.19	17.0	40.1	40.4	40.3	1.26	416	282.3	17.2	7.50	2641	2643	2732
6/18/25 22:00	7.03	271	25.0	5.40	17.2	43.9	39.2	40.3	1.26	417	274.4	17.2	7.41	2556	2656	2731
6/18/25 23:00	7.13	268	24.6	5.19	16.8	42.0	39.9	40.3	1.27	419	403.0	17.1	7.44	3633	2626	2732
6/19/25 0:00	6.99	266	26.1	6.31	16.9	49.3	42.0	40.3	1.29	418	294.7	17.2	7.36	2726	2943	2732
6/19/25 1:00	6.95	265	24.2	5.30	16.9	41.9	45.1	40.3	1.27	415	286.5	17.2	7.26	2658	2972	2732
6/19/25 2:00	6.87	264	24.4	5.05	16.9	41.3	44.4	40.3	1.27	417	289.4	17.2	7.35	2656	3005	2732
6/19/25 3:00	6.86	264	24.3	5.05	16.8	41.1	44.2	40.3	1.27	417	287.2	17.2	7.26	2648	2680	2732
6/19/25 4:00	6.92	264	23.3	5.03	16.8	39.4	41.5	40.3	1.28	414	287.7	17.2	7.29	2652	2654	2732
6/19/25 5:00	6.86	266	22.9	5.06	16.7	38.7	40.6	40.3	1.28	412	291.1	17.2	7.18	2707	2652	2732
6/19/25 6:00	7.12	267	22.4	6.33	16.6	42.3	39.8	40.3	1.29	411	307.2	17.2	7.19	2848	2669	2732
6/19/25 7:00	7.04	267	20.1	5.53	16.6	35.2	40.1	40.3	1.29	412	293.4	17.2	7.22	2710	2735	2732
6/19/25 8:00	7.08	268	19.2	4.86	16.5	31.8	38.8	40.3	1.30	410	300.6	17.2	7.21	2771	2755	2732
6/19/25 9:00	7.29	274	20.7	4.92	16.6	34.5	36.5	40.3	1.31	407	296.7	17.2	7.16	2748	2776	2732
6/19/25 10:00	7.45	275	20.0	4.90	16.7	33.4	33.8	40.3	1.30	407	300.1	17.1	7.22	2666	2743	2732
6/19/25 11:00	7.38	275	20.9	4.93	16.7	35.0	33.2	40.3	1.30	407	290.9	17.0	7.15	2471	2729	2732
6/19/25 12:00	7.16	274	21.1	6.38	16.6	40.0	34.3	40.3	1.30	408	327.1	17.1	7.24	2879	2628	2732
6/19/25 13:00	7.20	274	21.7	5.25	16.7	37.3	36.1	40.3	1.29	409	304.8	17.0	7.27	2645	2672	2732
6/19/25 14:00	7.19	274	22.2	5.13	16.5	37.6	37.4	40.3	1.30	409	300.7	17.0	6.87	2486	2665	2732
6/19/25 15:00	7.22	276	21.2	5.24	16.4	36.1	38.3	40.3	1.35	406	310.1	17.1	7.01	2648	2670	2731
6/19/25 16:00	7.23	278	21.8	5.42	16.4	37.6	37.0	40.3	1.35	407	301.5	17.2	6.95	2719	2593	2731
6/19/25 17:00	7.32	277	21.3	5.46	16.4	37.0	37.1	40.3	1.35	406	292.1	17.2	6.86	2656	2618	2731
6/19/25 18:00	7.34	276	22.4	6.53	16.4	42.8	36.9	40.3	1.38	406	284.4	17.3	6.89	2595	2674	2731
6/19/25 19:00	7.28	275	19.7	5.83	16.5	35.4	39.1	40.3	1.35	409	288.2	17.2	6.91	2602	2657	2731
6/19/25 20:00	7.27	274	19.9	5.44	16.6	34.7	38.4	40.3	1.32	410	288.9	17.2	6.89	2619	2618	2731
6/19/25 21:00	7.23	274	19.8	5.55	16.7	34.8	37.6	40.3	1.31	411	293.7	17.2	6.88	2655	2605	2731
6/19/25 22:00	7.39	276	18.3	5.82	16.4	32.8	34.9	40.3	1.30	413	299.0	17.2	6.92	2695	2625	2731
6/19/25 23:00	7.43	272	18.8	5.29	16.6	32.3	34.1	40.3	1.29	413	302.4	17.2	6.86	2721	2656	2731
6/20/25 0:00	7.11	271	19.1	6.47	16.5	36.6	33.3	40.3	1.30	412	316.9	17.2	6.90	2827	2691	2731
6/20/25 1:00	7.31	271	18.4	5.51	16.6	32.2	33.9	40.3	1.30	411	301.5	17.2	6.89	2701	2748	2731
6/20/25 2:00	7.31	272	18.1	5.22	16.6	30.9	33.7	40.3	1.30	410	298.8	17.2	6.96	2663	2750	2731
6/20/25 3:00	7.46	275	16.6	5.21	16.6	28.3	33.2	40.3	1.29	410	295.9	17.2	7.03	2622	2731	2731
6/20/25 4:00	7.57	275	16.2	5.20	16.6	27.6	30.5	40.3	1.30	411	300.7	17.1	7.10	2674	2662	2731
6/20/25 5:00	7.49	270	16.0	5.15	16.7	27.2	29.0	40.3	1.29	412	302.6	17.2	7.06	2693	2653	2731
6/20/25 6:00	7.24	269	17.7	6.37	16.7	33.5	27.7	40.3	1.29	413	309.8	17.2	7.10	2788	2663	2731
6/20/25 7:00	7.12	270	16.7	5.63	16.7	30.0	29.4	40.3	1.31	414	340.8	17.1	7.05	2990	2719	2731
6/20/25 8:00	7.17	272	15.0	4.96	16.7	25.1	30.2	40.3	1.31	418	396.7	17.1	7.24	3450	2824	2732
6/20/25 9:00	7.19	274	14.7	4.98	16.7	24.7	29.5	40.3	1.30	419	327.3	17.2	7.11	2920	3076	2732
6/20/25 10:00	7.15	275	15.3	5.04	16.6	25.8	26.6	40.3	1.29	417	320.8	17.2	6.98	2916	3120	2732
6/20/25 11:00	7.19	274	16.1	5.03	16.6	27.1	25.2	40.3	1.29	416	315.0	17.2	7.04	2844	3095	2732

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/20/25 12:00	7.18	271	15.8	6.04	16.7	29.2	25.9	40.3	1.30	419	447.0	17.1	7.15	3959	2893	2732
6/20/25 13:00	7.12	271	16.0	5.78	16.7	28.7	27.3	40.3	1.29	420	311.4	17.1	7.13	2773	3240	2732
6/20/25 14:00	7.14	272	17.1	5.12	16.7	29.1	28.3	40.3	1.29	421	313.1	17.1	7.09	2778	3192	2732
6/20/25 15:00	7.09	276	17.0	5.18	16.6	29.0	29.0	40.3	1.27	422	333.5	17.2	6.96	2950	3170	2732
6/20/25 16:00	7.13	278	17.9	5.32	16.5	30.8	28.9	40.3	1.25	421	322.3	17.2	6.87	2878	2834	2732
6/20/25 17:00	7.17	277	18.3	5.37	16.5	31.5	29.6	40.3	1.25	420	330.8	17.1	6.98	2905	2868	2732
6/20/25 18:00	7.21	276	18.7	6.27	16.6	34.9	30.4	40.3	1.26	421	334.6	17.1	7.21	2930	2911	2732
6/20/25 19:00	7.20	277	18.1	6.07	16.6	33.2	32.4	40.3	1.26	420	337.4	17.1	7.12	2968	2904	2732
6/20/25 20:00	7.30	276	17.5	5.38	16.7	30.4	33.2	40.3	1.26	419	318.4	17.1	7.18	2830	2934	2732
6/20/25 21:00	7.27	277	16.5	5.52	17.0	29.1	32.8	40.3	1.27	421	331.3	17.1	7.36	2933	2910	2732
6/20/25 22:00	7.44	277	17.8	5.51	16.8	31.2	30.9	40.3	1.26	422	354.8	17.1	7.37	3132	2911	2732
6/20/25 23:00	7.29	275	17.8	5.36	16.8	30.8	30.2	40.3	1.27	424	335.2	17.1	7.46	2963	2965	2732
6/21/25 0:00	7.28	274	18.2	6.32	16.8	34.4	30.4	40.3	1.27	424	352.3	17.1	7.37	3178	3009	2732
6/21/25 1:00	7.30	278	17.1	5.90	16.7	31.1	32.2	40.3	1.27	424	329.8	17.1	7.35	2994	3091	2732
6/21/25 2:00	7.58	278	18.2	5.35	16.8	31.4	32.1	40.3	1.27	423	311.6	17.1	7.39	2826	3045	2732
6/21/25 3:00	7.48	273	17.6	5.31	16.8	30.4	32.3	40.3	1.28	422	312.0	17.1	7.34	2798	2999	2732
6/21/25 4:00	7.22	270	18.5	5.20	16.8	31.6	31.0	40.3	1.28	421	315.3	17.2	7.22	2848	2873	2732
6/21/25 5:00	7.17	268	19.1	5.16	16.7	32.5	31.2	40.3	1.29	421	340.7	17.1	7.27	3021	2824	2732
6/21/25 6:00	7.13	268	19.0	6.22	16.7	35.6	31.5	40.3	1.32	418	331.7	17.2	7.14	2986	2889	2732
6/21/25 7:00	7.12	270	16.6	5.65	16.7	29.8	33.2	40.3	1.33	416	319.6	17.2	7.04	2915	2952	2732
6/21/25 8:00	7.16	272	14.2	4.90	16.7	23.6	32.6	40.2	1.38	414	334.8	17.2	7.03	2995	2974	2732
6/21/25 9:00	7.22	273	14.1	4.93	16.8	23.6	29.7	40.2	1.38	414	308.9	17.2	6.96	2814	2965	2732
6/21/25 10:00	7.18	275	14.1	5.27	16.8	24.3	25.7	40.2	1.39	412	344.2	17.2	6.97	3106	2908	2732
6/21/25 11:00	7.20	276	14.8	5.31	16.8	25.6	23.8	40.2	1.38	412	306.3	17.2	6.97	2766	2971	2732
6/21/25 12:00	7.23	275	15.5	6.65	16.8	30.3	24.5	40.2	1.39	413	309.9	17.2	7.04	2774	2895	2732
6/21/25 13:00	7.21	275	16.7	5.87	16.8	30.3	26.7	40.2	1.37	413	319.1	17.1	7.11	2826	2882	2732
6/21/25 14:00	7.26	274	16.3	5.43	16.7	28.4	28.7	40.2	1.31	416	323.2	17.1	7.16	2869	2788	2732
6/21/25 15:00	7.33	274	16.2	5.27	16.8	27.8	29.6	40.2	1.29	416	302.1	17.2	7.05	2734	2823	2732
6/21/25 16:00	7.32	274	16.6	5.22	16.8	28.4	28.8	40.2	1.28	420	331.1	17.1	7.29	2963	2810	2732
6/21/25 17:00	7.25	276	17.2	5.19	16.7	29.4	28.2	40.2	1.28	423	370.0	17.1	7.30	3275	2856	2732
6/21/25 18:00	7.42	278	19.1	6.44	16.7	36.4	28.5	40.2	1.29	423	340.9	17.1	7.31	3085	2991	2732
6/21/25 19:00	7.50	279	16.9	5.62	16.8	30.0	31.4	40.2	1.29	419	329.1	17.2	7.30	3016	3108	2732
6/21/25 20:00	7.40	276	17.3	5.27	16.8	29.9	31.9	40.2	1.28	418	343.1	17.1	7.34	3075	3125	2732
6/21/25 21:00	7.24	275	17.1	5.26	16.9	29.5	32.1	40.2	1.28	416	330.6	17.2	7.19	3003	3059	2733
6/21/25 22:00	7.21	278	18.3	5.57	17.0	32.4	29.8	40.2	1.29	416	340.8	17.1	7.27	3072	3031	2733
6/21/25 23:00	7.48	277	18.4	5.58	16.6	32.5	30.6	40.2	1.28	414	334.3	17.2	7.22	3010	3050	2733
6/22/25 0:00	7.43	277	19.1	6.71	16.6	37.2	31.4	40.2	1.29	416	333.0	17.1	7.33	2954	3028	2733
6/22/25 1:00	7.41	279	18.7	6.02	16.7	34.2	34.0	40.2	1.26	417	332.0	17.1	7.44	2952	3012	2733
6/22/25 2:00	7.43	277	19.5	5.52	16.7	34.2	34.6	40.2	1.27	418	339.4	17.1	7.31	3037	2972	2733
6/22/25 3:00	7.29	276	19.2	5.40	17.0	33.6	35.2	40.2	1.26	420	349.1	17.0	7.65	3085	2981	2733
6/22/25 4:00	7.25	278	19.2	5.50	17.0	33.8	34.0	40.2	1.27	420	332.9	17.0	7.68	2908	3024	2733
6/22/25 5:00	7.41	279	19.5	5.42	17.1	34.2	33.9	40.2	1.27	420	333.7	17.0	7.78	2911	3010	2733
6/22/25 6:00	7.40	280	19.2	6.50	17.1	37.2	33.8	40.2	1.27	421	345.1	16.9	7.81	2985	2968	2733
6/22/25 7:00	7.44	281	17.1	5.90	17.1	31.4	35.0	40.2	1.27	421	349.7	16.9	7.82	3013	2934	2733
6/22/25 8:00	7.45	283	17.5	5.39	17.2	30.6	34.3	40.2	1.27	421	350.1	16.9	7.95	2966	2969	2733
6/22/25 9:00	7.54	284	15.7	5.43	17.3	27.6	33.1	40.2	1.26	422	360.2	16.9	8.10	3104	2988	2733
6/22/25 10:00	7.43	290	16.8	5.38	17.5	29.6	29.9	40.2	1.26	422	385.2	16.9	8.21	3356	3028	2733
6/22/25 11:00	7.41	289	17.5	5.37	17.6	30.8	29.3	40.2	1.27	424	442.7	16.9	8.29	3912	3142	2733
6/22/25 12:00	7.35	288	20.2	6.33	17.7	38.9	29.3	40.2	1.24	427	429.1	16.9	8.51	3815	3457	2733
6/22/25 13:00	7.33	290	18.4	6.10	17.8	34.8	33.1	40.2	1.25	432	452.0	16.9	8.53	4004	3695	2733
6/22/25 14:00	7.43	290	19.0	5.42	17.7	33.6	34.8	40.2	1.23	431	369.0	17.0	8.30	3377	3910	2733
6/22/25 15:00	7.35	288	19.6	5.43	17.5	34.6	35.8	40.2	1.24	429	372.2	17.0	8.15	3462	3732	2734
6/22/25 16:00	7.28	283	20.1	5.46	17.5	35.7	34.4	40.2	1.24	429	358.0	17.1	7.94	3317	3614	2734
6/22/25 17:00	7.18	284	19.6	5.40	17.8	34.6	34.7	40.2	1.22	430	362.6	17.0	8.09	3356	3385	2734
6/22/25 18:00	7.21	285	20.4	6.39	17.6	39.2	35.0	40.2	1.21	429	331.4	17.1	7.96	3104	3378	2734
6/22/25 19:00	7.29	285	19.1	5.91	17.7	35.4	36.5	40.2	1.23	428	334.5	17.1	8.13	3144	3259	2734
6/22/25 20:00	7.33	283	18.6	5.43	17.8	33.0	36.4	40.2	1.23	427	326.5	17.0	8.32	3101	3201	2734
6/22/25 21:00	7.36	282	17.9	5.42	17.7	31.6	35.9	40.2	1.23	425	359.5	17.1	8.11	3431	3116	2734
6/22/25 22:00	7.32	282	18.0	5.77	17.6	32.8	33.4	40.2	1.23	424	348.8	17.1	8.00	3330	3225	2734
6/22/25 23:00	7.45	278	18.1	5.61	17.3	32.3	32.5	40.2	1.24	423	326.5	17.1	7.78	3092	3288	2734
6/23/25 0:00	7.27	275	19.7	6.49	17.2	38.1	32.2	40.2	1.25	421	331.2	17.2	7.52	3196	3284	2734
6/23/25 1:00	7.17	274	18.4	6.06	17.4	34.4	34.4	40.2	1.25	421	334.6	17.2	7.77	3198	3206	2734
6/23/25 2:00	7.21	275	18.5	5.46	17.3	32.6	34.9	40.2	1.25	419	306.3	17.2	7.73	2953	3162	2734
6/23/25 3:00	7.26	273	19.1	5.40	17.2	33.4	35.0	40.2	1.25	418	299.0	17.2	7.45	2871	3115	2734
6/23/25 4:00	7.11	270	18.8	5.27	17.2	32.5	33.5	40.2	1.26	419	344.7	17.2	7.53	3219	3007	2734
6/23/25 5:00	7.00	271	17.2	5.26	17.3	29.8	32.8	40.2	1.26	418	303.7	17.2	7.55	2890	3014	2734
6/23/25 6:00	7.11	273	18.1	6.35	17.2	34.6	31.9	40.2	1.26	417	320.3	17.2	7.63	3031	2993	2734
6/23/25 7:00	7.30	272	16.8	5.67	17.2	30.1	32.3	40.2	1.26	417	308.2	17.2	7.33	2901	3047	2734
6/23/25 8:00	6.96	273	17.4	5.08	17.1	29.7	31.5	40.2	1.27	420	354.5	17.1	7.54	3209	2941	2734
6/23/25 9:00	7.35	277	16.7	5.11	17.4	28.7	31.5	40.2	1.26	421	306.1	17.1	7.68	2843	3047	2734
6/23/25 10:00	7.30	284	16.9	5.14	17.7	29.3	29.5	40.2	1.24	423	309.2	17.1	7.81	2885	2985	2734
6/23/25 11:00	7.12	282	16.8	5.19	17.6	29.1	29.2	40.2	1.24	424	358.7	17.1	7.82	3308	2979	2734
6/23/25 12:00	6.99	281	18.6	6.33	17.5	35.7	29.0	40.2	1.23	429	358.5	17.0	8.05	3274	3012	2734
6/23/25 13:00	7.07	281	18.7	5.75	17.4	33.8	31.3	40.2	1.22	430	354.9	17.0	7.96	3243	3156	2735
6/23/25 14:00	7.08	281	19.9	5.25	17.3	34.5	32.8	40.2	1.23	431	353.5	17.1	7.82	3221	3275	2735
6/23/25 15:00	6.95	281	19.4	5.18	17.3	33.4	34.7	40.2	1.22	432	340.0	17.1	7.69	3132	3246	2735
6/23/25 16:00	6.93	281	19.8	5.26	17.1	34.3	33.9	40.2	1.22	431	358.2	17.1	7.52	3305	3199	2735
6/23/25 17:00	6.95	281	20.2	5.25	17.2	34.9	34.1	40.2	1.22	431	345.3	17.1	7.64	3208	3219	2735
6/23/25 18:00	6.99	281	16.0	6.11	17.1	29.7	34.2	40.2	1.22	430	342.4	17.1	7.89	3152	3215	2735
6/23/25 19:00	7.05	280	15.0	6.19	17.3	28.1	33.0	40.2	1.23	429	337.1	17.1	7.92	3119	3222	2735
6/23/25 20:00	7.14	280	14.0	5.30	17.2	24.4	30.9	40.2	1.23	429	336.4	17.1	7.93	3099	3160	2735
6/23/25 21:00	7.16	279	12.7	5.28	17.1	22.0	27.4	40.2	1.23	428	347.7	17.1	7.77	3227	3123	2735
6/23/25 22:00	7.09	278	13.9	5.40	17.2	24.4	24.8	40.2	1.23	427	330.8	17.1	7.75	3087	3148	2735
6/23/25 23:00	7.18	279	13.2	5.50	17.2	23.3	23.6	40.2	1.23	426	328.5	17.1	7.83	3044	3137	2735
6/24/25 0:00	7.24	279	13.3	6.28	16.9	25.1	23.2	40.2	1.23	425	321.2	17.1	7.80	2994	3119	2735
6/24/25 1:00	7.23	278	12.7	6.32	17.0	24.0	24.2	40.2	1.25	424	314.5	17.1	7.84	2914	3041	2735
6/24/25 2:00	7.22	278	12.8	5.55	17.0	22.5	24.1	40.2	1.24	423	338.5	17.1	7.71	3138	2984	2735
6/24/25 3:00	7.27	278	12.8	5.52	16.9	22.6	23.8	40.2	1.25	422	330.5	17.1	7.74	3072	3015	2735
6/24/25 4:00	7.24	278	12.8	5.48	17.0	22.5	23.0	40.2	1.26	423	442.9	17.1	7.81	4009	3041	2735
6/24/25 5:00	7.32	278	13.1	5.44	17.0	22.9	22.5	40.2	1.25	423	374.3	17.1	7.70	3474	3406	2735
6/24/25 6:00	7.31	278	14.3	6.29	17.0	27.0	22.7	40.2	1.24	421	352.5	17.2	7.42	3337	3518	2735
6/24/25 7:00	7.21	277	15.8	5.80	17.0	28.3	24.1	40.2	1.24	421	301.0	17.2	7.52	2809	3607	2735

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/24/25 8:00	7.08	278	18.9	5.22	17.3	32.7	26.0	40.2	1.23	424	364.2	17.1	7.73	3320	3207	2736
6/24/25 9:00	7.17	281	18.2	5.22	17.3	31.4	29.3	40.2	1.23	426	336.0	17.1	7.76	3086	3155	2736
6/24/25 10:00	7.20	287	17.5	5.16	17.3	30.1	30.8	40.2	1.23	429	322.2	17.1	7.71	2955	3072	2736
6/24/25 11:00	7.13	286	18.9	5.16	17.2	32.4	31.4	40.2	1.21	430	341.0	17.1	7.81	3166	3120	2736
6/24/25 12:00	7.23	286	19.6	5.11	17.2	33.6	31.3	40.2	1.21	430	329.0	17.1	7.81	3072	3069	2736
6/24/25 13:00	7.22	286	19.6	5.11	17.2	33.6	32.0	40.2	1.21	430	329.0	17.1	7.81	3072	3064	2736
6/24/25 14:00	7.22	286	19.0	5.13	17.2	32.5	33.2	40.2	1.21	430	333.4	17.1	7.76	3090	3103	2736
6/24/25 15:00	7.20	286	16.3	5.18	17.1	27.9	33.2	40.2	1.21	431	336.7	17.1	7.60	3099	3078	2736
6/24/25 16:00	7.18	286	16.4	5.19	17.2	28.2	31.3	40.2	1.24	431	344.8	17.1	7.76	3190	3087	2736
6/24/25 17:00	7.19	285	17.5	5.16	17.1	30.0	29.5	40.2	1.22	431	365.6	17.1	7.73	3384	3127	2736
6/24/25 18:00	7.10	283	17.3	5.89	16.9	31.5	28.7	40.2	1.22	431	341.5	17.1	7.68	3185	3224	2736
6/24/25 19:00	6.94	281	17.1	6.01	16.9	31.4	29.9	40.2	1.22	431	364.9	17.1	7.72	3410	3253	2736
6/24/25 20:00	6.91	280	17.2	5.30	16.8	29.8	31.0	40.2	1.22	430	330.2	17.2	7.55	3139	3326	2736
6/24/25 21:00	6.94	279	17.6	5.25	16.9	30.3	30.9	40.2	1.21	429	442.1	17.2	7.60	4215	3245	2736
6/24/25 22:00	6.97	279	19.0	5.28	16.8	32.7	30.5	40.2	1.22	427	321.8	17.3	7.42	3156	3588	2736
6/24/25 23:00	7.07	279	18.8	5.49	16.6	32.8	30.9	40.2	1.23	422	338.5	17.3	7.34	3344	3503	2736
6/25/25 0:00	7.12	285	20.3	6.36	16.8	38.5	31.9	40.2	1.22	420	308.0	17.4	7.26	3116	3572	2736
6/25/25 1:00	7.60	281	21.2	5.97	16.8	38.6	34.7	40.2	1.22	419	329.2	17.4	7.26	3314	3205	2737
6/25/25 2:00	7.19	279	22.3	5.16	16.7	37.9	36.6	40.2	1.23	421	352.2	17.3	7.44	3451	3258	2737
6/25/25 3:00	7.09	276	24.2	5.13	16.7	41.1	38.4	40.2	1.24	422	323.6	17.3	7.43	3111	3294	2737
6/25/25 4:00	6.99	273	25.3	5.26	16.5	43.4	39.2	40.2	1.24	423	316.8	17.3	7.37	3048	3292	2737
6/25/25 5:00	6.95	274	26.6	5.30	16.6	45.8	40.8	40.2	1.26	424	323.6	17.2	7.46	3062	3204	2737
6/25/25 6:00	7.00	273	26.7	6.14	16.5	49.4	43.5	40.2	1.26	425	318.6	17.2	7.45	3039	3074	2737
6/25/25 7:00	6.97	274	24.4	5.88	16.6	44.3	46.2	40.2	1.31	422	334.4	17.2	7.43	3134	3050	2737
6/25/25 8:00	7.05	276	23.8	5.44	16.5	41.3	46.5	40.2	1.26	421	335.1	17.2	7.35	3135	3078	2737
6/25/25 9:00	7.10	274	24.9	5.34	16.5	42.9	45.0	40.2	1.26	423	365.5	17.2	7.40	3434	3103	2737
6/25/25 10:00	7.09	274	25.4	5.25	16.6	43.5	42.8	40.2	1.26	422	361.2	17.2	7.40	3386	3235	2737
6/25/25 11:00	7.06	275	25.6	5.22	16.6	43.7	42.6	40.2	1.27	421	335.5	17.2	7.40	3147	3319	2737
6/25/25 12:00	7.10	274	25.7	6.02	16.6	46.9	43.3	40.2	1.26	419	316.3	17.2	7.44	2962	3322	2737
6/25/25 13:00	7.10	274	23.2	6.11	16.7	42.8	44.7	40.2	1.26	420	335.9	17.2	7.52	3111	3165	2737
6/25/25 14:00	7.05	274	23.1	5.31	17.0	40.1	44.5	40.2	1.26	421	330.0	17.1	7.57	3063	3073	2737
6/25/25 15:00	7.04	275	24.0	5.37	17.0	41.7	43.2	40.2	1.27	424	348.5	17.1	7.69	3190	3045	2737
6/25/25 16:00	7.17	276	24.5	5.35	16.9	42.5	41.5	40.2	1.25	427	345.6	17.1	7.65	3143	3121	2737
6/25/25 17:00	7.14	275	23.8	5.33	16.9	41.3	41.4	40.2	1.24	428	346.0	17.1	7.58	3175	3132	2737
6/25/25 18:00	7.08	276	24.2	6.05	16.7	44.6	41.9	40.2	1.29	426	373.3	17.2	7.53	3467	3169	2737
6/25/25 19:00	7.14	275	23.8	6.22	16.8	44.6	42.8	40.2	1.29	420	345.9	17.2	7.55	3217	3262	2737
6/25/25 20:00	7.12	274	24.5	5.48	16.8	42.8	43.5	40.2	1.28	422	337.0	17.1	7.62	3132	3286	2738
6/25/25 21:00	7.11	275	23.4	5.34	16.8	40.5	44.0	40.2	1.25	422	329.4	17.2	7.59	3090	3272	2738
6/25/25 22:00	7.07	277	23.7	5.43	16.9	41.3	42.6	40.2	1.27	423	371.2	17.1	7.64	3452	3146	2738
6/25/25 23:00	7.42	282	23.3	5.60	16.7	41.1	41.5	40.2	1.27	425	350.1	17.1	7.58	3236	3225	2738
6/26/25 0:00	7.55	279	23.5	6.13	16.5	43.3	41.0	40.2	1.31	423	329.9	17.2	7.42	3055	3259	2738
6/26/25 1:00	7.22	274	25.0	6.26	16.6	46.6	41.9	40.2	1.34	421	327.8	17.2	7.37	3015	3248	2738
6/26/25 2:00	6.99	272	25.9	5.65	16.5	45.7	43.7	40.2	1.35	416	331.0	17.2	7.15	3061	3102	2738
6/26/25 3:00	7.01	271	24.5	5.57	16.4	42.9	45.2	40.2	1.37	414	329.1	17.2	7.14	2998	3044	2738
6/26/25 4:00	7.13	272	24.3	5.63	16.4	42.9	45.1	40.2	1.40	410	314.2	17.3	6.92	2927	3025	2738
6/26/25 5:00	7.21	271	25.4	5.73	16.3	45.1	43.8	40.2	1.41	404	299.4	17.3	6.93	2760	2995	2738
6/26/25 6:00	7.42	270	25.8	6.64	16.2	49.6	43.6	40.2	1.40	404	295.8	17.3	6.78	2684	2895	2738
6/26/25 7:00	7.36	269	22.9	6.13	16.3	42.4	45.9	40.2	1.38	405	284.2	17.3	6.81	2575	2790	2738
6/26/25 8:00	7.14	269	20.3	6.06	16.3	37.2	45.7	40.2	1.38	409	314.8	17.2	6.88	2835	2673	2738
6/26/25 9:00	7.23	271	18.8	6.30	16.6	35.2	43.1	40.2	1.35	405	295.8	17.4	6.56	2800	2698	2738
6/26/25 10:00	7.18	271	18.4	6.01	16.6	33.5	38.3	40.2	1.36	403	268.8	17.4	6.52	2558	2737	2738
6/26/25 11:00	7.07	272	19.6	5.70	16.6	34.7	35.3	40.2	1.36	400	243.0	17.5	6.41	2335	2731	2738
6/26/25 12:00	7.04	267	19.2	5.71	16.5	34.1	34.5	40.2	1.36	395	282.4	17.4	6.48	2705	2564	2738
6/26/25 13:00	7.23	269	19.1	5.71	16.5	33.9	34.1	40.2	1.37	394	247.4	17.5	6.28	2402	2532	2738
6/26/25 14:00	7.09	271	20.4	6.25	16.1	37.7	34.2	40.2	1.36	393	231.0	17.5	6.27	2198	2480	2738
6/26/25 15:00	7.48	275	17.8	6.49	16.0	33.5	35.2	40.2	1.36	393	238.1	17.5	6.23	2291	2435	2738
6/26/25 16:00	7.78	275	17.8	6.68	15.9	34.1	35.0	40.2	1.36	393	246.6	17.5	6.17	2366	2297	2738
6/26/25 17:00	7.49	272	17.8	6.60	15.8	33.7	35.1	40.2	1.37	394	323.9	17.4	6.27	3031	2285	2738
6/26/25 18:00	7.46	275	22.1	6.59	15.8	41.8	33.8	40.2	1.38	398	332.1	17.4	6.45	3031	2563	2738
6/26/25 19:00	7.56	275	22.0	6.54	15.9	41.5	36.5	40.2	1.37	402	283.4	17.3	6.54	2574	2809	2738
6/26/25 20:00	7.52	272	21.2	6.55	15.9	40.1	39.0	40.2	1.37	403	272.4	17.3	6.49	2487	2878	2738
6/26/25 21:00	7.24	271	21.9	6.53	15.9	41.3	41.1	40.2	1.35	402	250.1	17.4	6.45	2311	2697	2738
6/26/25 22:00	7.24	271	22.2	6.58	15.9	42.0	41.0	40.2	1.37	401	276.1	17.4	6.47	2539	2457	2738
6/26/25 23:00	7.28	271	21.4	6.60	16.2	41.0	41.2	40.2	1.37	404	273.6	17.3	6.69	2455	2446	2738
6/27/25 0:00	7.39	272	24.1	6.61	16.1	46.1	41.5	40.2	1.39	405	274.9	17.2	6.73	2463	2435	2737
6/27/25 1:00	7.33	271	24.4	6.63	16.0	46.5	43.0	40.2	1.38	404	271.6	17.3	6.65	2462	2486	2737
6/27/25 2:00	7.40	271	25.7	6.60	16.0	48.9	44.5	40.2	1.40	403	268.1	17.3	6.67	2454	2460	2737
6/27/25 3:00	7.35	270	25.2	6.61	16.0	48.0	47.1	40.2	1.39	401	297.8	17.3	6.61	2701	2460	2737
6/27/25 4:00	7.27	273	25.5	6.63	15.9	48.6	47.8	40.2	1.38	402	267.2	17.3	6.62	2447	2539	2737
6/27/25 5:00	7.61	271	25.0	6.58	16.0	47.4	48.5	40.2	1.38	404	287.7	17.2	6.77	2574	2534	2737
6/27/25 6:00	7.31	270	26.8	6.63	16.0	51.0	48.0	40.2	1.39	404	280.9	17.2	6.72	2511	2574	2737
6/27/25 7:00	7.25	270	23.7	6.26	16.2	44.1	49.0	40.2	1.38	405	262.4	17.2	6.77	2346	2511	2737
6/27/25 8:00	7.14	271	22.3	5.87	16.2	39.9	47.5	40.2	1.37	402	273.4	17.3	6.68	2504	2477	2737
6/27/25 9:00	7.17	271	22.3	5.86	16.2	40.0	45.0	40.2	1.39	405	315.0	17.2	6.98	2796	2454	2737
6/27/25 10:00	7.16	273	21.5	5.91	16.2	38.6	41.3	40.2	1.39	406	324.8	17.2	6.93	2897	2549	2737
6/27/25 11:00	7.38	279	20.8	5.90	16.2	37.4	39.5	40.2	1.37	405	274.9	17.2	6.82	2487	2732	2737
6/27/25 12:00	7.53	275	23.0	6.28	16.2	42.8	38.7	40.2	1.37	406	312.1	17.2	6.96	2779	2727	2737
6/27/25 13:00	7.34	281	23.0	6.34	16.3	43.0	39.6	40.2	1.37	409	309.7	17.2	7.04	2760	2721	2737
6/27/25 14:00	7.76	278	23.4	6.23	16.3	43.3	41.1	40.2	1.36	410	284.0	17.2	7.03	2576	2675	2737
6/27/25 15:00	7.34	274	22.1	6.13	16.4	40.7	43.0	40.2	1.36	409	278.8	17.2	7.07	2523	2705	2737
6/27/25 16:00	7.13	273	22.2	5.79	16.3	39.7	42.3	40.2	1.35	410	294.0	17.2	7.14	2645	2620	2737
6/27/25 17:00	7.17	272	21.4	5.72	16.4	38.0	41.2	40.2	1.33	412	290.8	17.2	7.15	2637	2582	2737
6/27/25 18:00	7.12	271	22.5	6.00	16.3	40.8	39.4	40.2	1.29	414	285.3	17.2	7.14	2638	2602	2737
6/27/25 19:00	7.11	271	20.8	5.96	16.6	37.9	39.5	40.2	1.32	412	290.1	17.2	7.16	2687	2640	2737
6/27/25 20:00	7.15	270	21.7	5.96	16.9	39.7	38.9	40.2	1.29	412	295.5	17.2	7.19	2722	2654	2737
6/27/25 21:00	7.15	270	21.3	5.95	17.2	39.2	39.4	40.2	1.29	413	294.2	17.2	7.18	2705	2682	2737
6/27/25 22:00	7.24	270	21.0	5.92	17.4	38.6	38.9	40.2	1.27	413	288.7	17.2	7.17	2652	2705	2737
6/27/25 23:00	7.17	273	17.8	5.64	17.7	32.2	39.1	40.2	1.27	412	328.6	17.1	7.59	2991	2693	2737
6/28/25 0:00	7.55	271	19.8	5.82	17.8	36.3	36.6	40.2	1.28	407	318.9	17.0	7.72	2834	2783	2737
6/28/25 1:00	7.47	272	18.0	5.83	17.9	33.2	35.7	40.2	1.28	405	318.1	16.9	7.77	2719	2826	2737
6/28/25 2:00	7.52	270	18.4	5.78	17.8	33.7	33.9	40.2	1.30	408	289.5	17.1	7.75	2634	2848	2737
6/28/25 3:00	7.36	270	19.3	5.89	17.9	35.6	34.4	40.2	1.30	409	287.7	17.1	7.56	2641	2729	2737

Stack CEMS Data

	North Stack					North Stack SO2			South Stack					South Stack SO2		
						1Hr	3Hr	365Day						1 Hr	3Hr	365Day
	Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected			Flow	Temp	Act SO2	O2	H2O	Air, H2O Corrected		
Timestamp	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv	MMSCFH	DEGF	PPMV	V%	V%	ppmv	ppmv	ppmv
6/28/25 4:00	7.30	269	19.2	5.72	17.9	34.9	34.2	40.2	1.27	411	278.3	17.1	7.55	2536	2665	2737
6/28/25 5:00	7.27	271	19.2	5.54	17.9	34.5	34.8	40.2	1.29	413	288.9	17.0	7.75	2611	2604	2737
6/28/25 6:00	7.35	271	20.6	5.78	17.6	37.5	35.0	40.2	1.26	415	326.6	17.1	7.68	2959	2596	2737
6/28/25 7:00	7.26	273	19.7	5.58	17.4	35.2	35.7	40.2	1.27	416	320.1	17.1	7.64	2896	2702	2737
6/28/25 8:00	7.42	277	18.7	5.41	17.3	32.8	35.7	40.2	1.26	416	298.2	17.1	7.50	2738	2822	2737
6/28/25 9:00	7.58	281	18.8	5.42	17.3	33.1	35.2	40.2	1.26	417	315.3	17.0	7.62	2812	2865	2737
6/28/25 10:00	7.59	285	18.6	5.50	17.1	32.8	33.7	40.2	1.26	416	308.8	17.0	7.39	2700	2815	2737
6/28/25 11:00	7.61	286	18.0	5.60	17.0	31.9	32.9	40.2	1.26	416	290.7	17.1	7.22	2564	2750	2737
6/28/25 12:00	7.63	285	19.2	6.07	16.9	35.4	32.6	40.2	1.27	415	285.4	17.1	7.13	2537	2692	2737
6/28/25 13:00	7.59	286	18.7	6.19	16.8	34.9	33.4	40.2	1.28	415	300.4	17.2	7.16	2722	2600	2737
6/28/25 14:00	7.66	286	18.9	6.21	16.8	35.2	34.0	40.2	1.28	414	294.1	17.2	7.00	2702	2608	2737
6/28/25 15:00	7.63	285	18.9	5.97	16.7	34.5	35.2	40.2	1.30	411	288.0	17.3	6.77	2654	2654	2737
6/28/25 16:00	7.66	284	19.2	5.73	16.6	34.3	34.8	40.2	1.29	408	282.0	17.3	6.74	2560	2693	2737
6/28/25 17:00	7.63	284	18.5	5.68	16.6	32.9	34.6	40.2	1.29	409	279.0	17.3	6.80	2567	2639	2737
6/28/25 18:00	7.61	282	21.9	6.09	16.5	40.3	33.9	40.2	1.27	410	276.9	17.3	6.70	2550	2593	2737
6/28/25 19:00	7.55	281	20.7	6.20	16.6	38.3	35.8	40.2	1.27	410	280.0	17.3	6.74	2576	2559	2737
6/28/25 20:00	7.49	279	21.1	6.14	16.5	39.0	37.2	40.2	1.27	410	281.1	17.3	6.68	2600	2564	2737
6/28/25 21:00	7.47	279	20.8	5.75	16.8	37.3	39.2	40.2	1.27	411	294.2	17.3	6.74	2721	2575	2737
6/28/25 22:00	7.57	281	20.1	5.72	16.7	35.8	38.2	40.2	1.27	411	285.2	17.3	6.79	2632	2632	2737
6/28/25 23:00	7.68	279	19.9	5.59	16.6	35.1	37.4	40.2	1.27	412	299.2	17.3	6.82	2740	2651	2737
6/29/25 0:00	7.62	279	20.1	6.07	16.6	36.9	36.1	40.2	1.27	411	343.7	17.3	6.77	3191	2697	2737
6/29/25 1:00	7.67	278	19.6	6.12	16.7	36.1	35.9	40.2	1.28	410	325.9	17.3	6.80	3030	2854	2737
6/29/25 2:00	7.61	280	18.9	5.94	16.6	34.3	36.0	40.2	1.29	410	367.7	17.3	6.87	3404	2987	2737
6/29/25 3:00	7.77	279	18.1	5.47	16.6	31.7	35.8	40.1	1.28	410	357.6	17.3	6.83	3326	3208	2737
6/29/25 4:00	7.67	278	18.4	5.47	16.6	32.1	34.0	40.1	1.30	409	274.7	17.3	6.79	2553	3253	2737
6/29/25 5:00	7.57	276	18.6	5.44	16.6	32.4	32.7	40.1	1.29	409	279.9	17.3	6.78	2595	3095	2737
6/29/25 6:00	7.51	275	20.4	5.93	16.6	37.0	32.1	40.1	1.30	410	286.3	17.3	6.79	2669	2825	2737
6/29/25 7:00	7.52	274	18.0	5.61	16.6	31.9	33.8	40.1	1.30	411	282.9	17.3	6.79	2644	2606	2737
6/29/25 8:00	7.39	273	16.4	5.23	16.6	28.1	33.7	40.1	1.31	413	293.9	17.3	6.87	2746	2636	2737
6/29/25 9:00	7.19	270	17.6	5.18	16.7	30.1	32.3	40.1	1.30	416	294.8	17.3	6.87	2759	2686	2737
6/29/25 10:00	7.02	275	16.9	5.23	16.7	28.9	30.0	40.1	1.29	416	292.2	17.3	6.87	2721	2716	2737
6/29/25 11:00	7.16	273	17.7	5.25	16.7	30.3	29.0	40.1	1.28	417	305.9	17.3	6.94	2858	2742	2737
6/29/25 12:00	7.22	274	19.2	5.91	16.7	34.9	29.8	40.1	1.27	419	334.4	17.2	7.12	3105	2779	2737
6/29/25 13:00	7.30	276	18.4	6.08	16.6	33.8	31.4	40.1	1.27	420	321.0	17.3	7.17	3039	2895	2737
6/29/25 14:00	7.39	278	17.6	5.76	16.7	31.5	33.0	40.1	1.27	420	303.5	17.3	7.18	2858	3001	2737
6/29/25 15:00	7.44	278	18.4	5.55	16.8	32.5	33.4	40.1	1.29	418	307.0	17.2	7.25	2863	3001	2737
6/29/25 16:00	7.44	279	17.9	5.60	16.8	31.6	32.6	40.1	1.27	419	307.6	17.2	7.22	2875	2920	2737
6/29/25 17:00	7.53	279	17.5	5.54	16.9	30.8	31.9	40.1	1.28	419	332.6	17.2	7.25	3099	2865	2737
6/29/25 18:00	7.45	278	18.0	5.97	16.8	32.8	31.6	40.1	1.28	421	466.9	17.2	7.27	4264	2945	2738
6/29/25 19:00	7.43	277	17.4	6.12	16.9	32.2	31.8	40.1	1.25	420	3007.2	17.5	7.00	27660	3413	2740
6/29/25 20:00	7.39	278	16.0	5.73	16.9	28.7	31.9	40.1	1.31	408	284.5	17.6	6.91	3113	11674	2740
6/29/25 21:00	7.41	278	14.6	5.72	16.8	26.2	31.2	40.1	1.33	406	275.0	17.6	6.98	2946	11679	2740
6/29/25 22:00	7.52	279	15.3	5.81	17.1	27.7	29.0	40.1	1.29	406	251.2	17.6	6.97	2703	11240	2740
6/29/25 23:00	7.65	278	15.2	5.73	16.7	27.1	27.5	40.1	1.30	407	264.1	17.6	7.01	2815	2921	2740
6/30/25 0:00	7.55	278	16.1	6.23	16.7	30.0	27.0	40.1	1.32	407	314.4	17.5	7.03	3299	2821	2741
6/30/25 1:00	7.58	277	15.6	6.32	16.9	29.5	28.3	40.1	1.32	407	265.2	17.6	6.95	2800	2939	2741
6/30/25 2:00	7.50	277	16.7	5.78	16.8	30.0	28.9	40.1	1.30	407	298.2	17.5	6.98	3118	2971	2741
6/30/25 3:00	7.47	274	17.9	5.65	17.0	31.9	29.8	40.1	1.31	408	284.9	17.5	7.03	2962	3072	2741
6/30/25 4:00	7.27	272	17.8	5.56	16.9	31.5	30.4	40.1	1.28	409	329.9	17.5	6.99	3442	2960	2741
6/30/25 5:00	7.22	272	18.4	5.71	16.9	32.9	31.1	40.1	1.30	407	343.4	17.5	6.91	3530	3174	2741
6/30/25 6:00	7.20	272	21.4	6.57	16.9	41.3	32.1	40.1	1.32	407	324.6	17.5	6.95	3320	3312	2741
6/30/25 7:00	7.26	273	19.7	5.99	16.9	36.2	35.3	40.1	1.29	407	286.3	17.6	6.76	3030	3431	2741
6/30/25 8:00	7.29	274	18.7	5.46	16.9	32.8	36.8	40.1	1.32	402	220.6	17.7	6.65	2379	3294	2741
6/30/25 9:00	7.26	277	18.6	5.46	16.9	32.7	36.8	40.1	1.31	402	272.0	17.6	6.76	2918	2910	2741
6/30/25 10:00	7.47	281	19.7	5.42	16.9	34.3	33.9	40.1	1.30	406	335.9	17.6	6.97	3546	2776	2741
6/30/25 11:00	7.45	283	19.1	5.42	16.9	33.4	33.3	40.1	1.28	404	317.6	17.7	6.72	3398	2948	2741
6/30/25 12:00	7.53	281	21.3	6.15	16.9	39.7	33.5	40.1	1.29	406	339.6	17.6	6.92	3596	3287	2741
6/30/25 13:00	7.50	278	20.3	6.25	16.9	38.1	35.8	40.1	1.26	409	266.4	17.5	7.05	2806	3513	2741
6/30/25 14:00	7.46	279	21.5	5.75	16.9	38.7	37.1	40.1	1.29	411	258.2	17.5	7.11	2735	3267	2741
6/30/25 15:00	7.50	280	19.8	5.69	17.0	35.4	38.8	40.1	1.35	408	258.0	17.5	7.10	2661	3046	2741
6/30/25 16:00	7.55	279	20.1	5.90	17.0	36.6	37.4	40.1	1.34	406	286.7	17.4	7.16	2891	2734	2741
6/30/25 17:00	7.56	277	19.9	5.83	17.0	36.1	36.9	40.1	1.33	402	265.6	17.4	7.24	2678	2762	2741
6/30/25 18:00	7.59	279	21.8	6.49	17.0	42.0	36.0	40.1	1.31	406	263.4	17.4	7.28	2667	2743	2741
6/30/25 19:00	7.68	279	22.0	6.52	16.9	42.4	38.2	40.1	1.28	413	280.6	17.4	7.37	2843	2745	2741
6/30/25 20:00	7.62	280	21.0	5.93	16.9	38.3	40.1	40.1	1.29	411	275.6	17.4	7.39	2785	2729	2741
6/30/25 21:00	7.71	280	20.5	5.69	17.0	36.6	40.9	40.1	1.30	412	273.1	17.4	7.42	2797	2765	2741
6/30/25 22:00	7.69	281	21.3	5.96	16.9	39.0	39.1	40.1	1.33	411	274.3	17.4	7.39	2757	2809	2741
6/30/25 23:00	7.75	283	20.9	5.95	17.2	38.4	38.0	40.1	1.31	412	281.6	17.4	7.45	2851	2780	2741
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

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/1/2025 0:00	15.1	8.36	278	3.68	174	0.00	-0.06	4.08	0.550	0.941	-9.81	0.010	43.44	41.28	44.8	0.037
4/1/2025 1:00	14.8	8.35	282	3.69	174	0.00	-0.06	3.99	0.550	0.941	-15.97	0.010	37.63	41.52	44.8	0.038
4/1/2025 2:00	14.2	8.36	282	3.66	174	0.00	-0.06	3.82	0.550	0.941	-23.01	0.010	30.84	42.58	44.8	0.039
4/1/2025 3:00	14.7	8.41	285	3.64	174	0.00	-0.06	3.98	0.550	0.941	-12.28	0.010	40.72	37.30	44.8	0.034
4/1/2025 4:00	14.1	8.33	278	3.59	174	0.00	-0.06	3.79	0.550	0.941	-21.12	0.010	32.18	36.39	44.8	0.034
4/1/2025 5:00	14.4	8.30	276	3.62	174	0.00	-0.06	3.86	0.550	0.941	-18.90	0.010	35.06	34.58	44.8	0.032
4/1/2025 6:00	14.4	8.30	278	3.60	174	0.00	-0.05	3.85	0.550	0.941	-17.67	0.010	36.10	35.99	44.8	0.033
4/1/2025 7:00	13.9	8.30	283	3.57	174	0.00	-0.06	3.72	0.550	0.941	-23.43	0.010	29.62	34.45	44.8	0.032
4/1/2025 8:00	14.0	8.28	283	3.60	174	0.00	-0.06	3.73	0.550	0.941	-25.13	0.010	28.86	33.59	44.8	0.030
4/1/2025 9:00	14.4	8.30	283	3.60	174	0.00	-0.06	3.84	0.550	0.941	-18.45	0.010	34.95	31.52	44.8	0.028
4/1/2025 10:00	14.1	8.31	284	3.59	174	0.00	-0.06	3.76	0.550	0.941	-22.02	0.010	31.67	31.14	44.8	0.029
4/1/2025 11:00	13.7	8.30	288	3.56	174	0.00	-0.05	3.67	0.550	0.941	-25.47	0.010	29.28	31.83	44.8	0.029
4/1/2025 12:00	13.2	7.81	260	3.53	172	0.00	-0.05	3.31	0.550	0.941	-47.50	0.010	11.95	31.97	44.8	0.029
4/1/2025 13:00	13.1	7.62	245	3.46	174	0.00	-0.05	3.22	0.550	0.941	-49.11	0.010	9.76	24.30	44.8	0.021
4/1/2025 14:00	13.6	7.58	243	3.43	174	0.00	-0.05	3.32	0.550	0.941	-41.16	0.010	15.64	16.99	44.8	0.014
4/1/2025 15:00	13.3	7.62	240	3.45	174	0.00	-0.03	3.27	0.550	0.941	-45.99	0.010	14.93	12.45	44.8	0.010
4/1/2025 16:00	14.3	7.68	241	3.44	174	0.00	-0.02	3.54	0.550	0.941	-27.86	0.010	28.91	13.44	44.8	0.009
4/1/2025 17:00	15.3	7.53	228	3.43	174	0.00	-0.03	3.70	0.550	0.941	-17.03	0.010	36.15	19.82	44.8	0.014
4/1/2025 18:00	19.1	7.74	240	3.39	174	0.00	-0.03	4.77	0.550	0.941	54.97	0.010	107.74	26.66	44.8	0.019
4/1/2025 19:00	19.0	8.05	257	3.38	174	0.00	-0.05	4.93	0.550	0.941	63.83	0.010	116.60	57.60	44.8	0.041
4/1/2025 20:00	17.9	8.19	261	3.38	174	0.00	-0.05	4.72	0.550	0.941	50.81	0.010	103.58	86.83	44.8	0.064
4/1/2025 21:00	20.1	8.20	255	3.43	174	0.00	-0.06	5.30	0.550	0.941	83.12	0.010	135.89	109.31	44.8	0.084
4/1/2025 22:00	20.1	8.06	258	3.39	174	0.00	-0.06	5.23	0.550	0.941	81.46	0.010	134.23	118.69	44.9	0.094
4/1/2025 23:00	21.4	8.06	258	3.37	174	0.00	-0.05	5.56	0.550	0.941	103.02	0.010	155.79	124.57	44.9	0.100
4/2/2025 0:00	25.4	7.90	249	3.34	174	0.00	-0.05	6.46	0.550	0.941	163.52	0.010	216.29	141.97	44.9	0.111
4/2/2025 1:00	25.9	7.88	247	3.35	174	0.00	-0.05	6.56	0.550	0.941	170.68	0.010	223.45	168.77	44.9	0.131
4/2/2025 2:00	24.1	7.82	243	3.33	174	0.00	-0.05	6.08	0.550	0.941	142.52	0.010	195.29	198.51	45.0	0.154
4/2/2025 3:00	24.9	8.04	257	3.35	174	0.00	-0.05	6.45	0.550	0.941	160.00	0.010	212.77	211.68	45.0	0.165
4/2/2025 4:00	25.5	8.06	257	3.28	174	0.00	-0.05	6.62	0.550	0.941	175.54	0.010	228.31	210.51	45.0	0.166
4/2/2025 5:00	26.0	8.10	261	3.13	174	0.00	-0.05	6.78	0.550	0.941	194.10	0.010	246.87	212.12	45.0	0.169
4/2/2025 6:00	28.2	8.21	269	3.06	174	0.00	-0.06	7.44	0.550	0.941	235.61	0.010	288.38	229.32	45.1	0.183
4/2/2025 7:00	20.0	8.28	274	3.10	174	0.00	-0.06	5.33	0.550	0.941	104.50	0.010	157.27	254.52	45.1	0.204
4/2/2025 8:00	15.1	8.31	278	3.14	174	0.00	-0.06	4.03	0.550	0.941	24.08	0.010	76.85	230.84	45.1	0.185
4/2/2025 9:00	14.7	8.31	277	3.08	174	0.00	-0.05	3.94	0.550	0.941	22.92	0.010	75.69	174.17	45.1	0.140
4/2/2025 10:00	15.0	8.21	271	3.12	174	0.00	-0.06	3.97	0.550	0.941	22.27	0.010	75.04	103.27	45.1	0.083
4/2/2025 11:00	14.8	8.35	280	3.15	174	0.00	-0.06	3.98	0.550	0.941	20.39	0.010	73.16	75.86	45.1	0.061
4/2/2025 12:00	16.4	8.31	276	3.15	174	0.00	-0.06	4.38	0.550	0.941	44.52	0.010	97.29	74.63	45.1	0.060
4/2/2025 13:00	17.4	8.68	297	3.14	176	0.00	-0.06	4.86	0.550	0.941	68.85	0.010	121.62	81.83	45.1	0.065
4/2/2025 14:00	19.8	8.78	303	3.15	179	0.00	-0.05	5.60	0.550	0.941	108.61	0.010	161.38	97.36	45.1	0.078
4/2/2025 15:00	21.3	8.65	293	3.22	179	0.00	-0.05	5.92	0.550	0.941	124.48	0.010	177.25	126.76	45.2	0.102
4/2/2025 16:00	20.4	8.75	301	3.18	179	0.00	-0.05	5.74	0.550	0.941	115.17	0.010	167.94	153.42	45.2	0.123
4/2/2025 17:00	19.9	8.80	311	3.16	179	0.00	-0.05	5.65	0.550	0.941	108.78	0.010	161.55	168.86	45.2	0.135
4/2/2025 18:00	24.3	8.83	313	3.36	179	0.00	-0.05	6.91	0.550	0.941	164.07	0.010	216.84	168.91	45.2	0.135
4/2/2025 19:00	24.4	8.50	290	3.47	179	0.00	-0.06	6.69	0.550	0.941	152.55	0.010	205.32	182.11	45.3	0.146
4/2/2025 20:00	23.9	8.56	289	3.51	183	0.00	-0.06	6.59	0.550	0.941	143.91	0.010	196.68	194.57	45.3	0.156
4/2/2025 21:00	23.3	8.43	269	3.57	188	0.00	-0.06	6.32	0.550	0.941	128.27	0.010	181.04	206.28	45.3	0.166
4/2/2025 22:00	24.1	8.61	270	3.49	188	0.00	-0.06	6.69	0.550	0.941	154.95	0.010	207.72	194.34	45.3	0.157
4/2/2025 23:00	24.6	8.33	254	3.37	188	0.00	-0.06	6.59	0.550	0.941	163.09	0.010	215.86	195.14	45.3	0.159
4/3/2025 0:00	26.2	8.24	256	3.34	188	0.00	-0.06	6.96	0.550	0.941	186.69	0.100	14.79	201.54	45.3	0.165
4/3/2025 1:00	24.6	8.30	258	3.31	188	0.00	-0.06	6.57	0.550	0.941	163.90	0.100	6.21	146.12	45.3	0.120
4/3/2025 2:00	22.2	8.28	259	3.35	186	0.00	-0.06	5.93	0.550	0.941	123.32	0.100	1.00	78.95	45.3	0.065
4/3/2025 3:00	24.7	8.40	282	3.33	179	0.00	-0.06	6.69	0.550	0.941	164.75	0.100	3.64	7.33	45.3	0.006
4/3/2025 4:00	24.8	8.37	280	3.31	179	0.00	-0.06	6.68	0.550	0.941	165.97	0.100	5.10	3.62	45.3	0.003
4/3/2025 5:00	20.8	8.15	263	3.34	179	0.00	-0.06	5.46	0.550	0.941	96.63	0.100	0.09	3.25	45.3	0.003
4/3/2025 6:00	19.0	8.02	254	3.34	179	0.00	-0.06	4.90	0.550	0.941	64.80	0.100	0.00	2.94	45.3	0.002
4/3/2025 7:00	13.5	8.02	256	3.26	179	0.00	-0.06	3.48	0.550	0.941	-17.03	0.100	0.00	1.73	45.3	0.001
4/3/2025 8:00	9.4	8.03	257	3.21	179	0.00	-0.05	2.43	0.550	0.941	-77.44	0.100	0.00	0.03	45.3	0.000
4/3/2025 9:00	7.1	8.08	264	3.11	179	0.00	-0.05	1.85	0.550	0.941	-104.59	0.100	0.00	0.00	45.3	0.000
4/3/2025 10:00	6.5	8.11	266	3.08	179	0.00	-0.04	1.71	0.550	0.941	-110.34	0.100	0.00	0.00	45.3	0.000
4/3/2025 11:00	6.1	8.05	264	3.11	179	0.00	-0.02	1.59	0.550	0.941	-120.06	0.100	0.00	0.00	45.3	0.000
4/3/2025 12:00	7.8	8.13	271	3.20	179	0.00	-0.02	2.03	0.550	0.941	-98.00	0.100	0.00	0.00	45.3	0.000
4/3/2025 13:00	6.9	8.16	274	3.23	179	0.00	-0.02	1.80	0.550	0.941	-113.21	0.100	0.00	0.00	45.3	0.000
4/3/2025 14:00	5.8	8.09	268	3.24	179	0.00	-0.02	1.52	0.550	0.941	-132.53	0.100	0.00	0.00	45.2	0.000
4/3/2025 15:00	5.9	8.13	266	3.25	179	0.00	-0.01	1.54	0.550	0.941	-132.63	0.100	0.00	0.00	45.2	0.000
4/3/2025 16:00	5.4	8.13	266	3.26	179	0.00	0.00	1.42	0.550	0.941	-140.06	0.100	0.00	0.00	45.2	0.000
4/3/2025 17:00	5.6	8.13	264	3.23	179	0.00	-0.01	1.46	0.550	0.941	-136.01	0.100	0.00	0.00	45.2	0.000
4/3/2025 18:00	6.0	8.16	264	3.25	179	0.00	-0.02	1.58	0.550	0.941	-130.02	0.100	0.00	0.00	45.2	0.000
4/3/2025 19:00	5.5	8.19	263	3.23	179	0.00	-0.02	1.45	0.550	0.941	-137.34	0.100	0.00	0.00	45.2	0.000
4/3/2025 20:00	7.2	8.34	268	3.52	179	0.00	-0.03	1.94	0.550	0.941	-126.23	0.100	0.00	0.00	45.2	0.000
4/3/2025 21:00	7.8	8.25	256	3.57	179	0.00	-0.05	2.06	0.550	0.941	-125.95	0.100	0.00	0.00	45.2	0.000
4/3/2025 22:00	7.6	8.20	245	3.59	179	0.00	-0.05	2.00	0.550	0.941	-134.47	0.100	0.00	0.00	45.2	0.000
4/3/2025 23:00	7.6	8.08	243	3.59	179	0.00	-0.06	1.97	0.550	0.941	-136.52	0.100	0.00	0.00	45.2	0.000
4/4/2025 0:00	6.7	8.01	242	3.59	179	0.00	-0.06	1.73	0.550	0.941	-152.97	0.100	0.00	0.00	45.2	0.000
4/4/2025 1:00	6.1	8.02	241	3.58	179	0.00	-0.06	1.56	0.550	0.941	-162.81	0.100	0.00	0.00	45.2	0.000
4/4/2025 2:00	6.3	7.97	239	3.62	179	0.00	-0.06	1.60	0.550	0.941	-163.88	0.100	0.00	0.00	45.2	0.000
4/4/2025 3:00	5.8	7.95	237	3.60	179	0.00	-0.06	1.50	0.550	0.941	-169.95	0.100	0.00	0.00	45.2	0.000
4/4/2025 4:00	4.3	8.16	249	3.56	179	0.00	-0.06	1.13	0.550	0.941	-185.89	0.100	0.00	0.00	45.2	0.000
4/4/2025 5:00	6.7	8.29	258	3.57	179	0.00	-0.06	1.78	0.550	0.941	-142.67	0.100	0.00	0.00	45.1	0.000
4/4/2025 6:00	7.9	8.17	252	3.58	179	0.00	-0.07	2.08	0.550	0.941	-126.56	0.100	0.00	0.00	45.1	0.000
4/4/2025 7:00	10.1	8.44	271	3.60	179	0.00	-0.07	2.76	0.550	0.941	-84.36	0.100	0.00	0.00	45.1	0.000
4/4/2025 8:00	13.0	8.52	276	3.58	179	0.00	-0.07	3.56	0.550	0.941	-33.41	0.100	0.00	0.00	45.1	0.000
4/4/2025 9:00	12.2	8.46	274	3.57	179	0.00	-0.06	3.32	0.550	0.941	-47.39	0.100	0.00	0.00	45.1	0.000
4/4/2025 10:00	12.9	8.13	254	3.55	179	0.00	-0.07	3.37	0.550	0.941	-44.40	0.100	0.00	0.00	45.1	0.000
4/4/2025 11:00	12.5	8.01	248	3.56	179	0.00	-0.06	3.21	0.550	0.941	-55.75	0.100	0.00	0.00	45.1	0.000
4/4/2025 12:00	14.0	8.07	251	3.58	179	0.00	-0.05	3.64	0.550	0.941	-30.12	0.100	0.00	0.00	45.1	0.000
4/4/2025 13:00	13.4	8.05	258	3.53	179	0.00	-0.05	3.47	0.550	0.941	-36.91	0.100	0.00	0.00	45.1	0.000
4/4/2025 14:00	13.2	8.09	258	3.51	179	0.00	-0.04	3.43	0.550	0.941	-37.56	0.100	0.00	0.00	45.1	0.000
4/4/2025 15:00	12.9	8.08	255	3.53	179	0.00	-0.03	3.35	0.550	0.941	-43.94	0.100	0.00	0.00	45.1	0.000
4/4/2025 16:00	13.1	8.08	256	3.53	179	0.00	-0.03	3.42	0.550	0.941	-39.63	0.100	0.00	0.00	45.1	0.000
4/4/2025 17:00	13.1	8.09	256	3.46	179	0.00	-0.05	3.42	0.550	0.941	-35.22	0.100	0.00	0.00	45.1	0.000
4/4/2025 18:00	13.1	8.07	257	3.32	179	0.00	-0.05	3.41	0.550	0.941	-25.50	0.100	0.00	0.00	45.1	0.000
4/4/2025 19:00	10.8	8.02	250	3.33	179	0.00	-0.06	2.78	0.550	0.941	-65.97	0.100	0.00	0.00	45.1	0.000
4/4/2025 20:00	12.1	8.22	266	3.32	179	0.00	-0.06	3.20	0.550	0.941	-37.82	0.100	0.00	0.00	45.0	0.000
4/4/2025 21:00	13.4	8.22	262	3.29	179	0.00	-0.06	3.56	0.550	0.941	-14.03	0.100	0.00	0.00	45.0	0.000
4/4/2025 22:00	12.0	8.07	256	3.24	179	0.00	-0.06	3.12	0.550	0.941	-37.80	0.100	0.00	0.00	45.0	0.000
4/4/2025 23:00	11.0	8.05	253	3.28	179	0.00	-0.06	2.84	0.550	0.941	-58.26	0.100	0.00	0.00	45.0	0.000
4/5/2025 0:00	12.8	8.23	267	3.40	179	0.00	-0.06	3.40	0.550	0.941	-31.17	0.370	34.88	0.00	45.0	0.000
4/5/2025 1:00	15.5	8.21	264	3.39	179	0.00	-0.06	4.11	0.550	0.941	11.60	0.370	75.65	11.63	45.0	0.009
4/5/2025 2:00	16.2	8.30	273	3.35	179	0.00	-0.06	4.32	0.550	0.941	26.71	0.370	90.76	36.84	45.0	0.028
4/5/2025 3:00	18.1	8.58	291	3.40	179	0.00	-0.06	5.00	0.550	0.941	60.87	0.370	124.92	67.10	45.0	0.051
4/5/2025 4:00	17.1	8.50	284	3.41	179	0.00	-0.06	4.67	0.550	0.941	42.32	0.370	106.37	97.11	45.1	0.074
4/5/2025 5:00	20.7	8.28	269	3.47	179	0.00	-0.07	5.51	0.550	0.941	89.69	0.370	153.74	107.35	45.1	0.083
4/5/2025 6:00	24.7	8.30	269	3.48	179	0.00	-0.07	6.60	0.550	0.941	153.80	0.370	217.85	128.34	45.1	0.102
4/5/2025 7:00	19.4	8.23	266	3.38	179	0.00	-0.07	5.15	0.550	0.941	74.54	0.370	138.59	159.32	45.1	0.130
4/5/2025 8:00	15.9	8.23	265	3.38	179	0.00	-0.07	4.21	0.550	0.941	18.59	0.370	82.64	170.06	45.1	0.140
4/5/2025 9:00	17.2	8.21	267	3.45	179	0.00	-0.07	4.54	0.550	0.941	33.71	0.370	97.76	146.36	45.1	0.121
4/5/2025 10:00	16.7	8.20	269	3.47	179	0.00	-0.07	4.40	0.550	0.941	23.62	0.370	87.67	106.33	45.1	0.088
4/5/2025 11:00	16.0	8.14	266	3.44	179	0.00	-0.07	4.18	0.550	0.941	12.83	0.370	76.88	89.35	45.1	0.074
4/5/2025 12:00	17.3	8.15	265	3.43	179	0.00	-0.06	4.54	0.550	0.941	34.85	0.370	98.90	87.43	45.1	0.073
4/5/2025 13:00	14.0	8.15	264	3.44	179	0.00	-0.06	3.68	0.550	0.941	-17.33	0.370	46.82	87.81	45.1	0.073
4/5/2025 14:00	15.0	8.12	263	3.44	179	0.00	-0.06	3.91	0.550	0.941	-2.98	0.370	61.07	74.20	45.1	0.062
4/5/2025 15:00	14.0	8.15	265	3.42	179	0.00	-0.06	3.67	0.550	0.941	-16.10	0.370	48.28	68.93	45.1	0.058
4/5/2025 16:00	11.5	8.15	265	3.35	179	0.00	-0.06	3.03	0.550	0.941	-50.08	0.370	17.36	52.06	45.1	0.044
4/5/2025 17:00	10.9	8.12	267	3.33	179	0.00	-0.06	2.86	0.550	0.941	-58.48	0.370	13.34	42.24	45.1	0.036
4/5/2025 18:00	11.2	8.17	264	3.30	179	0.00	-0.06	2.94	0.550	0.941	-51.81	0.370	25.60	26.33	45.1	0.022
4/5/2025 19:00	10.7	8.35	272	3.31	179	0.00	-0.06	2.88	0.550	0.941	-55.40	0.370	15.62	18.77	45.1	0.016
4/5/2025 20:00	11.3	8.61	291	3.27	179	0.00	-0.06	3.14	0.550	0.941	-36.05	0.370	29.70	18.19	45.1	0.015
4/5/2025 21:00	11.5	8.53	274	3.32	179	0.00	-0.06	3.17	0.550	0.941	-39.24	0.370	26.70	23.64	45.1	0.020
4/5/2025 22:00	11.5	8.57	291	3.34	179	0.00	-0.06	3.19	0.550	0.941	-37.45	0.370	27.55	24.01	45.1	0.021
4/5/2025 23:00	11.1	8.48	284	3.32	179	0.00	-0.06	3.02	0.550	0.941	-46.71	0.370	19.76	27.98	45.1	0.024
4/6/2025 0:00	11.9	8.39	278	3.33	179	0.00	-0.06	3.22	0.550	0.941	-36.73	0.370	30.34	24.67	45.1	0.021
4/6/2025 1:00	11.8	8.18	263	3.37	179	0.00	-0.06	3.12	0.550	0.941	-46.20	0.370	21.47	25.88	45.1	0.022
4/6/2025 2:00	10.7	8.17	261	3.35	179	0.00	-0.06	2.81	0.550	0.941	-64.02	0.370	10.32	23.86	45.1	0.021
4/6/2025 3:00	11.0	8.22	263	3.33	179	0.00	-0.06	2.91	0.550	0.941	-56.16	0.370	14.96	20.71	45.1	0.018
4/6/2025 4:00	10.9	8.15	260	3.29	179	0.00	-0.06	2.87	0.550	0.941	-56.48	0.370	13.58	15.58	45.1	0.014
4/6/2025 5:00	11.0	8.18	263	3.26	179	0.00	-0.07	2.89	0.550	0.941	-52.49	0.370	18.05	12.95	45.1	0.011
4/6/2025 6:00	11.0	8.25	267	3.21	179	0.00	-0.07	2.91	0.550	0.941	-46.83	0.370	20.67	15.53	45.1	0.014

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/6/2025 7:00	11.0	8.15	260	3.20	179	0.00	-0.07	2.89	0.550	0.941	-49.02	0.370	21.37	17.43	45.1	0.015
4/6/2025 8:00	12.1	8.19	265	3.17	179	0.00	-0.07	3.20	0.550	0.941	-27.36	0.370	37.87	20.03	45.1	0.017
4/6/2025 9:00	12.4	8.16	269	3.16	179	0.00	-0.07	3.26	0.550	0.941	-23.11	0.370	41.29	26.64	45.1	0.023
4/6/2025 10:00	12.4	8.08	265	3.12	179	0.00	-0.07	3.21	0.550	0.941	-23.39	0.370	41.48	33.51	45.1	0.029
4/6/2025 11:00	11.7	8.08	266	3.07	179	0.00	-0.06	3.05	0.550	0.941	-29.11	0.370	35.75	40.21	45.1	0.034
4/6/2025 12:00	11.5	8.07	267	3.04	179	0.00	-0.07	2.99	0.550	0.941	-30.75	0.370	33.66	39.51	45.1	0.034
4/6/2025 13:00	10.9	8.04	267	3.03	179	0.00	-0.07	2.81	0.550	0.941	-40.79	0.370	25.56	36.96	45.1	0.031
4/6/2025 14:00	11.5	8.07	269	3.07	179	0.00	-0.05	2.99	0.550	0.941	-32.52	0.370	32.68	31.66	45.1	0.025
4/6/2025 15:00	11.4	8.07	267	3.07	179	0.00	-0.03	2.96	0.550	0.941	-34.68	0.370	31.00	30.63	45.1	0.022
4/6/2025 16:00	11.8	8.08	268	3.00	179	0.00	-0.01	3.06	0.550	0.941	-24.13	0.370	40.56	29.74	45.1	0.020
4/6/2025 17:00	11.7	8.12	271	3.02	179	0.00	-0.02	3.06	0.550	0.941	-24.65	0.370	39.59	34.75	45.1	0.023
4/6/2025 18:00	12.4	8.43	289	3.06	179	0.00	-0.05	3.35	0.550	0.941	-9.64	0.370	54.87	37.05	45.1	0.026
4/6/2025 19:00	11.3	8.39	285	3.09	179	0.00	-0.05	3.04	0.550	0.941	-30.12	0.370	34.58	45.01	45.1	0.034
4/6/2025 20:00	11.5	8.33	282	3.07	179	0.00	-0.06	3.09	0.550	0.941	-26.57	0.370	38.12	43.01	45.1	0.033
4/6/2025 21:00	9.6	8.01	257	3.06	179	0.00	-0.06	2.47	0.550	0.941	-65.06	0.370	12.17	42.52	45.1	0.033
4/6/2025 22:00	12.2	8.23	261	3.06	179	0.00	-0.06	3.23	0.550	0.941	-17.90	0.370	47.85	28.29	45.1	0.021
4/6/2025 23:00	12.6	8.01	257	3.03	179	0.00	-0.07	3.26	0.550	0.941	-14.28	0.370	50.15	32.71	45.1	0.026
4/7/2025 0:00	11.7	8.01	257	3.03	179	0.00	-0.07	3.01	0.545	0.940	-26.88	0.370	38.09	36.72	45.1	0.030
4/7/2025 1:00	11.3	8.01	255	3.08	179	0.00	-0.07	2.92	0.545	0.940	-36.12	0.370	29.67	45.36	45.1	0.037
4/7/2025 2:00	9.8	8.05	257	3.09	179	0.00	-0.07	2.55	0.545	0.940	-59.44	0.370	14.25	39.30	45.1	0.032
4/7/2025 3:00	8.6	8.01	255	3.06	179	0.00	-0.07	2.21	0.545	0.940	-78.48	0.370	3.58	27.34	45.1	0.022
4/7/2025 4:00	9.3	8.00	254	3.05	179	0.00	-0.07	2.41	0.545	0.940	-66.33	0.370	8.95	15.83	45.1	0.013
4/7/2025 5:00	10.5	7.96	252	3.04	179	0.00	-0.07	2.70	0.545	0.940	-47.46	0.370	19.48	8.93	45.0	0.007
4/7/2025 6:00	13.3	8.03	256	2.97	179	0.00	-0.07	3.45	0.545	0.940	3.35	0.370	67.40	10.67	45.1	0.009
4/7/2025 7:00	13.5	8.05	260	2.96	179	0.00	-0.07	3.49	0.545	0.940	7.16	0.370	71.20	31.94	45.1	0.026
4/7/2025 8:00	11.6	8.14	264	2.94	179	0.00	-0.07	3.05	0.545	0.940	-17.94	0.370	46.29	52.69	45.1	0.043
4/7/2025 9:00	10.1	8.15	266	2.93	179	0.00	-0.07	2.64	0.545	0.940	-41.97	0.370	24.98	61.63	45.1	0.050
4/7/2025 10:00	8.8	8.02	260	2.91	179	0.00	-0.07	2.27	0.545	0.940	-64.14	0.370	9.23	47.49	45.0	0.040
4/7/2025 11:00	8.2	8.01	260	2.96	179	0.00	-0.07	2.11	0.545	0.940	-76.79	0.370	3.87	26.84	45.0	0.023
4/7/2025 12:00	9.1	8.06	264	2.87	179	0.00	-0.06	2.35	0.545	0.940	-55.81	0.370	13.80	12.69	45.0	0.011
4/7/2025 13:00	9.6	8.12	268	2.84	179	0.00	-0.05	2.51	0.545	0.940	-43.67	0.370	23.10	8.97	45.0	0.007
4/7/2025 14:00	9.8	8.29	280	2.86	179	0.00	-0.05	2.62	0.545	0.940	-37.47	0.370	29.04	13.59	45.0	0.011
4/7/2025 15:00	8.6	8.20	276	2.87	179	0.00	-0.05	2.28	0.545	0.940	-58.75	0.370	11.67	21.98	45.0	0.018
4/7/2025 16:00	8.0	8.13	274	2.85	179	0.00	-0.05	2.10	0.545	0.940	-67.73	0.370	8.51	21.27	45.0	0.018
4/7/2025 17:00	8.2	8.06	281	2.86	179	0.00	-0.05	2.13	0.545	0.940	-65.41	0.370	7.85	16.41	45.0	0.014
4/7/2025 18:00	8.4	8.12	284	2.80	179	0.00	-0.05	2.18	0.545	0.940	-58.08	0.370	11.14	9.35	45.0	0.008
4/7/2025 19:00	8.0	8.30	288	2.79	179	0.00	-0.06	2.15	0.545	0.940	-59.25	0.370	13.27	9.17	45.0	0.008
4/7/2025 20:00	10.2	8.52	305	2.90	179	0.00	-0.06	2.80	0.545	0.940	-28.78	0.370	36.00	10.75	45.0	0.009
4/7/2025 21:00	11.5	8.52	296	2.69	179	0.00	-0.07	3.15	0.545	0.940	4.50	0.370	68.61	20.14	45.0	0.017
4/7/2025 22:00	10.6	8.64	316	2.53	179	0.00	-0.07	2.94	0.545	0.940	2.96	0.370	67.01	39.29	45.0	0.033
4/7/2025 23:00	9.6	8.36	322	2.52	179	0.00	-0.07	2.58	0.545	0.940	-15.31	0.370	48.84	57.20	45.0	0.048
4/8/2025 0:00	10.7	8.16	305	2.57	179	0.00	-0.09	2.82	0.545	0.940	-5.92	1.100	32.20	61.49	45.0	0.051
4/8/2025 1:00	11.0	8.29	307	2.64	179	0.00	-0.10	2.95	0.545	0.940	-3.81	1.100	32.63	49.35	45.0	0.041
4/8/2025 2:00	11.9	8.27	302	2.69	179	0.00	-0.10	3.18	0.545	0.940	5.68	1.100	41.83	37.89	45.0	0.032
4/8/2025 3:00	12.6	8.31	303	2.85	179	0.00	0.15	3.37	0.545	0.940	6.42	1.100	42.80	35.55	45.0	0.028
4/8/2025 4:00	12.9	8.40	307	2.86	179	0.00	0.15	3.49	0.545	0.940	12.63	1.100	49.03	39.09	45.0	0.027
4/8/2025 5:00	13.7	8.45	310	2.92	179	0.00	0.13	3.72	0.545	0.940	20.73	1.100	56.87	44.55	45.0	0.028
4/8/2025 6:00	16.7	8.51	310	2.87	179	0.00	0.12	4.57	0.545	0.940	70.08	1.100	106.22	49.57	45.0	0.031
4/8/2025 7:00	15.0	8.51	309	2.90	179	0.00	0.13	4.10	0.545	0.940	42.98	1.100	79.69	70.71	45.0	0.045
4/8/2025 8:00	12.2	8.48	304	3.00	179	0.00	0.18	3.35	0.545	0.940	-4.57	1.100	33.05	80.93	45.0	0.053
4/8/2025 9:00	12.6	8.67	317	2.93	179	0.00	0.41	3.52	0.545	0.940	9.69	1.100	45.83	72.99	45.0	0.051
4/8/2025 10:00	13.4	8.46	302	2.94	179	0.00	1.59	3.65	0.545	0.940	16.46	1.100	52.60	52.86	45.0	0.041
4/8/2025 11:00	13.4	8.45	296	2.93	179	0.00	-0.06	3.64	0.545	0.940	16.71	1.100	52.85	43.83	45.0	0.034
4/8/2025 12:00	15.7	8.08	269	2.92	179	0.00	-0.06	4.07	0.545	0.940	44.19	1.100	80.33	50.43	45.0	0.039
4/8/2025 13:00	14.9	8.06	268	2.94	179	0.00	-0.06	3.87	0.545	0.940	31.19	1.100	67.34	61.93	45.0	0.046
4/8/2025 14:00	15.5	8.07	268	2.93	179	0.00	-0.06	4.03	0.545	0.940	40.76	1.100	76.90	66.84	45.0	0.053
4/8/2025 15:00	15.1	8.06	267	2.97	179	0.00	-0.05	3.91	0.545	0.940	31.20	1.100	67.34	74.86	45.0	0.070
4/8/2025 16:00	15.5	8.08	269	2.96	179	0.00	-0.03	4.03	0.545	0.940	38.81	1.100	74.95	70.53	45.0	0.071
4/8/2025 17:00	16.2	8.19	277	2.92	179	0.00	-0.04	4.27	0.545	0.940	54.91	1.100	91.05	73.07	45.1	0.076
4/8/2025 18:00	18.0	8.20	278	2.87	179	0.00	-0.05	4.75	0.545	0.940	86.06	1.100	122.20	77.78	45.1	0.075
4/8/2025 19:00	17.6	8.24	279	2.84	179	0.00	-0.05	4.66	0.545	0.940	82.38	1.100	118.52	96.07	45.1	0.094
4/8/2025 20:00	17.4	8.34	286	2.81	179	0.00	-0.06	4.66	0.545	0.940	83.58	1.100	119.72	110.59	45.1	0.110
4/8/2025 21:00	17.1	8.41	276	2.81	179	0.00	-0.07	4.63	0.545	0.940	82.88	1.100	119.02	120.15	45.1	0.119
4/8/2025 22:00	17.1	8.35	276	2.82	179	0.00	-0.07	4.59	0.545	0.940	80.35	1.100	116.49	119.09	45.1	0.116
4/8/2025 23:00	15.8	8.29	284	2.82	179	0.00	-0.08	4.22	0.545	0.940	57.91	1.100	94.06	118.41	45.1	0.113
4/9/2025 0:00	16.8	8.17	275	2.80	179	0.00	-0.08	4.43	0.545	0.940	72.18	1.100	108.32	109.86	45.1	0.102
4/9/2025 1:00	15.7	8.42	295	2.76	179	0.00	-0.07	4.25	0.545	0.940	61.44	1.100	97.59	106.29	45.1	0.097
4/9/2025 2:00	15.5	8.44	296	2.75	179	0.00	0.15	4.22	0.545	0.940	60.36	1.100	96.50	99.99	45.1	0.087
4/9/2025 3:00	15.3	8.44	297	2.73	179	0.00	0.13	4.16	0.545	0.940	58.26	1.100	94.40	100.80	45.1	0.078
4/9/2025 4:00	14.3	8.09	272	2.71	179	0.00	0.13	3.73	0.545	0.940	37.57	1.100	73.74	96.16	45.1	0.066
4/9/2025 5:00	13.9	8.05	266	2.73	179	0.00	0.12	3.61	0.545	0.940	29.80	1.100	65.94	88.21	45.2	0.056
4/9/2025 6:00	13.8	8.03	271	2.69	179	0.00	0.10	3.57	0.545	0.940	30.02	1.100	66.16	78.03	45.2	0.050
4/9/2025 7:00	12.0	8.03	271	2.67	179	0.00	0.15	3.10	0.545	0.940	3.80	1.100	45.86	68.61	45.2	0.044
4/9/2025 8:00	8.0	7.99	274	2.64	179	0.00	0.76	2.05	0.545	0.940	-56.33	1.100	1.31	59.32	45.1	0.038
4/9/2025 9:00	7.8	8.00	277	2.65	179	0.00	-0.08	2.01	0.545	0.940	-59.31	1.100	0.89	37.78	45.1	0.025
4/9/2025 10:00	7.7	8.04	286	2.61	179	0.00	-0.07	2.00	0.545	0.940	-56.25	1.100	1.31	16.02	45.1	0.011
4/9/2025 11:00	7.0	8.01	285	2.60	179	0.00	-0.06	1.80	0.545	0.940	-66.67	1.100	0.83	1.17	45.1	0.001
4/9/2025 12:00	7.5	8.07	292	2.59	179	0.00	-0.06	1.95	0.545	0.940	-56.65	1.100	2.40	1.01	45.1	0.001
4/9/2025 13:00	12.5	8.06	292	2.56	179	0.00	-0.07	3.25	0.545	0.940	18.67	1.100	66.83	1.51	45.1	0.002
4/9/2025 14:00	32.1	8.04	287	2.58	179	0.00	-0.06	8.30	0.545	0.940	306.82	1.100	342.97	23.35	45.2	0.024
4/9/2025 15:00	27.4	8.08	290	2.62	179	0.00	-0.04	7.13	0.545	0.940	235.24	1.100	271.38	137.40	45.2	0.131
4/9/2025 16:00	33.7	8.03	294	2.58	179	0.00	-0.05	8.71	0.545	0.940	325.09	1.100	361.24	227.06	45.3	0.207
4/9/2025 17:00	39.1	8.03	296	2.56	179	0.00	-0.06	10.10	0.545	0.940	403.18	1.100	439.32	325.19	45.3	0.297
4/9/2025 18:00	48.6	8.06	299	2.56	179	0.00	-0.07	12.60	0.545	0.940	540.48	1.100	576.62	357.31	45.4	0.330
4/9/2025 19:00	59.7	8.04	298	2.57	179	0.00	-0.06	15.45	0.545	0.940	699.60	1.100	735.74	459.06	45.5	0.429
4/9/2025 20:00	49.2	8.04	297	2.56	179	0.00	-0.06	12.72	0.545	0.940	547.59	1.100	583.74	583.90	45.6	0.552
4/9/2025 21:00	10.8	8.26	288	2.63	179	0.00	-0.07	2.87	0.545	0.940	-7.60	1.100	31.46	632.03	45.6	0.609
4/9/2025 22:00	9.1	8.16	276	2.64	179	0.00	-0.07	2.40	0.545	0.940	-35.96	1.100	10.63	450.31	45.6	0.438
4/9/2025 23:00	7.6	8.24	280	2.60	179	0.00	-0.07	2.03	0.545	0.940	-54.75	1.100	4.25	208.61	45.6	0.202
4/10/2025 0:00	8.2	8.27	292	2.60	179	0.00	-0.07	2.19	0.545	0.940	-44.62	1.100	8.95	15.44	45.5	0.015
4/10/2025 1:00	7.5	8.37	302	2.65	179	0.00	-0.07	2.02	0.545	0.940	-55.52	1.100	3.83	7.94	45.5	0.008
4/10/2025 2:00	7.4	8.43	301	2.66	179	0.00	-0.07	2.01	0.545	0.940	-56.42	1.100	1.58	5.68	45.5	0.005
4/10/2025 3:00	7.0	8.35	293	2.63	179	0.00	-0.07	1.88	0.545	0.940	-63.42	1.100	1.32	4.79	45.5	0.005
4/10/2025 4:00	10.6	9.24	360	2.49	175	0.00	-0.07	3.20	0.545	0.940	12.74	1.100	57.31	2.25	45.5	0.002
4/10/2025 5:00	11.3	9.77	411	2.34	161	0.00	-0.07	3.57	0.545	0.940	41.58	1.100	77.73	20.07	45.5	0.019
4/10/2025 6:00	12.5	8.99	348	2.33	171	0.00	-0.07	3.60	0.545	0.940	48.46	1.100	84.60	45.45	45.5	0.042
4/10/2025 7:00	12.7	8.01	291	2.31	183	0.00	-0.07	3.27	0.545	0.940	35.92	1.100	72.06	73.21	45.5	0.068
4/10/2025 8:00	13.1	8.13	304	2.32	185	0.00	-0.07	3.43	0.545	0.940	42.61	1.100	78.75	78.13	45.6	0.072
4/10/2025 9:00	12.8	8.41	326	2.38	188	0.00	-0.07	3.47	0.545	0.940	38.99	1.100	75.13	78.47	45.6	0.073
4/10/2025 10:00	12.4	8.30	306	2.37	188	0.00	-0.08	3.30	0.545	0.940	31.95	1.100	68.10	75.31	45.6	0.070
4/10/2025 11:00	11.7	8.20	294	2.31	188	0.00	-0.07	3.10	0.545	0.940	25.70	1.100	61.84	73.99	45.6	0.069
4/10/2025 12:00	11.2	8.32	301	2.28	188	0.00	-0.06	3.00	0.545	0.940	21.64	1.100	57.78	68.36	45.6	0.064
4/10/2025 13:00	11.2	8.53	314	2.25	188	0.00	-0.06	3.08	0.545	0.940	27.42	1.100	63.57	62.57	45.6	0.059
4/10/2025 14:00	11.2	8.68	310	2.23	188	0.00	-0.06	3.14	0.545	0.940	31.88	1.100	68.03	61.06	45.6	0.058
4/10/2025 15:00	10.7	8.85	320	2.19	188	0.00	-0.06	3.05	0.545	0.940	29.14	1.100	65.28	63.12	45.6	0.060
4/10/2025 16:00	10.6	9.07	333	2.18	190	0.00	-0.07	3.09	0.545	0.940	31.04	1.100	67.18	65.62	45.6	0.062
4/10/2025 17:00	11.2	8.87	304	2.21	197	0.00	-0.07	3.21	0.545	0.940	36.64	1.100	72.78	66.83	45.6	0.063
4/10/2025 18:00	10.5	8.87	307	2.16	197	0.00	-0.07	3.01	0.545	0.940	28.89	1.100	65.03	68.41	45.6	0.064
4/10/2025 19:00	8.8	8.64	291	2.02	197	0.00	-0.07	2.44	0.545	0.940	7.50	1.100	43.64	68.33	45.6	0.064
4/10/2025 20:00	5.6	8.58	288	1.98	197	0.00	-0.07	1.55	0.545	0.940	-39.12	1.100	9.98	60.48	45.6	0.057
4/10/2025 21:00	6.3	8.33	262	2.07	197	0.00	-0.07	1.70	0.545	0.940	-39.05	1.100	10.60	39.55	45.6	0.037
4/10/2025 22:00	6.3	8.82	293	2.19	197	0.00	-0.07	1.78	0.545	0.940	-39.15	1.100	10.86	21.41	45.6	0.020
4/10/2025 23:00	6.2	8.79	296	2.20	197	0.00	-0.07	1.77	0.545	0.940	-40.04	1.100	10.06	10.48	45.6	0.010
4/11/2025 0:00	6.8	8.25	263	2.15	197	0.00	-0.07	1.80	0.545	0.940	-37.87	1.100	11.71	10.51	45.6	0.010
4/11/2025 1:00	6.9	8.02	253	2.13	197	0.00	-0.07	1.79	0.545	0.940	-37.85	1.100	10.68	10.88	45.6	0.010
4/11/2025 2:00	7.2	8.01	250	2.15	197	0.00	-0.07	1.85	0.545	0.940	-36.33	1.100	13.34	10.82	45.5	0.010
4/11/2025 3:00	7.3	7.99	249	2.13	197	0.00	-0.07	1.88	0.545	0.940	-32.79	1.100	13.48	11.91	45.5	0.011
4/11/2025 4:00	7.1	8.11	256	2.12	197	0.00	-0.07	1.86	0.545	0.940	-33.04	1.100	12.78	12.50	45.5	0.012
4/11/2025 5:00	7.5	8.16	259	2.15	197	0.00	-0.07	1.98	0.545	0.940	-27.40	1.100	17.06	13.20	45.5	0.013
4/11/2025 6:00	6.9	8.18	259	2.14	197	0.00	-0.07	1.82	0.545	0.940	-36.14	1.100	12.28	14.44	45.5	0.014
4/11/2025 7:00	7.0	8.15	257	2.12	197	0.00	-0.07	1.83	0.545	0.940	-34.54	1.100	11.54	14.04	45.5	0.013
4/11/2025 8:00	7.8	8.17	259	2.12	197	0.00	-0.07	2.05	0.545	0.940	-22.25	1.100	22.68	13.63	45.5	0.013
4/11/2025 9:00	7.1	8.44	273	2.10	197	0.00	-0.07	1.92	0.545	0.940	-26.59	1.100	16.82	15.50	45.5	0.015
4/11/2025 10:00	2.8	8.36	270	2.10	197	0.00	-0.07	0.76	0.545	0.940	-93.41	1.100	0.56	17.01	45.5	0.016
4/11/2025 11:00	3.3	8.10	256	2.09	197	0.00	-0.07	0.87	0.545	0.940	-89.13	1.100	0.35	13.35	45.5	0.013
4/11/2025 12:00	7.8	8.34	270	2.08	197	0.00	-0.08	2.11	0.545	0.940	-15.67	1.100	37.58	5.91	45.5	0.006
4/11/2025 13:00	7.0	8.48	279	2.05	197	0.00	-0.07	1.90	0.545	0.940	-24.65	1.100	17.75	12.83	45.5	0.012

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/11/2025 14:00	9.2	8.46	279	2.04	197	0.00	-0.06	2.51	0.545	0.940	10.51	1.100	46.78	18.56	45.5	0.018
4/11/2025 15:00	9.8	8.25	271	2.03	197	0.00	-0.06	2.60	0.545	0.940	16.19	1.100	52.54	34.04	45.5	0.034
4/11/2025 16:00	9.6	7.94	254	2.01	197	0.00	-0.06	2.46	0.545	0.940	9.89	1.100	46.43	39.02	45.5	0.040
4/11/2025 17:00	9.7	7.91	251	2.00	197	0.00	-0.06	2.48	0.545	0.940	11.56	1.100	47.95	48.58	45.5	0.050
4/11/2025 18:00	12.8	8.01	260	1.99	197	0.00	-0.06	3.31	0.545	0.940	60.13	1.100	96.28	48.97	45.5	0.050
4/11/2025 19:00	11.1	7.91	253	1.99	197	0.00	-0.07	2.82	0.545	0.940	32.09	1.100	68.24	63.55	45.5	0.065
4/11/2025 20:00	10.1	8.16	266	1.99	197	0.00	-0.07	2.65	0.545	0.940	21.67	1.100	58.00	70.82	45.5	0.072
4/11/2025 21:00	8.5	7.87	249	2.01	197	0.00	-0.07	2.14	0.545	0.940	-9.02	1.100	29.51	74.17	45.5	0.075
4/11/2025 22:00	8.1	8.10	253	1.99	197	0.00	-0.07	2.13	0.545	0.940	-8.64	1.100	28.73	51.91	45.5	0.052
4/11/2025 23:00	8.5	8.07	253	1.95	197	0.00	-0.07	2.19	0.545	0.940	-1.54	1.100	35.40	38.75	45.5	0.039
4/12/2025 0:00	11.2	7.90	250	1.94	197	0.00	-0.07	2.85	0.545	0.940	38.15	170.000	178.73	31.21	45.5	0.031
4/12/2025 1:00	10.5	7.97	254	1.96	197	0.00	-0.07	2.70	0.545	0.940	27.00	170.000	167.58	80.95	45.5	0.081
4/12/2025 2:00	11.1	8.08	259	2.00	197	0.00	-0.07	2.90	0.545	0.940	35.49	170.000	176.07	127.24	45.6	0.128
4/12/2025 3:00	12.4	7.97	251	2.40	197	0.00	-0.07	3.20	0.545	0.940	26.88	170.000	167.46	174.12	45.6	0.175
4/12/2025 4:00	14.2	8.01	249	2.83	197	0.00	-0.07	3.66	0.545	0.940	25.52	170.000	166.10	170.37	45.6	0.171
4/12/2025 5:00	14.5	8.17	259	2.91	197	0.00	-0.07	3.82	0.545	0.940	29.12	170.000	169.70	169.87	45.6	0.171
4/12/2025 6:00	15.1	8.46	274	2.94	197	0.00	-0.07	4.12	0.545	0.940	42.95	170.000	183.53	167.75	45.6	0.169
4/12/2025 7:00	13.7	8.43	273	2.90	197	0.00	-0.07	3.71	0.545	0.940	22.73	170.000	163.31	173.11	45.7	0.175
4/12/2025 8:00	11.2	8.18	259	2.86	197	0.00	-0.07	2.95	0.545	0.940	-18.30	170.000	122.28	172.18	45.7	0.173
4/12/2025 9:00	10.9	7.93	247	2.84	197	0.00	-0.08	2.77	0.545	0.940	-27.93	170.000	112.64	156.37	45.7	0.156
4/12/2025 10:00	12.8	7.97	249	2.95	197	0.00	-0.07	3.29	0.545	0.940	-4.89	170.000	135.69	132.75	45.7	0.132
4/12/2025 11:00	13.3	7.97	250	3.01	197	0.00	-0.07	3.41	0.545	0.940	-1.39	170.000	139.19	123.54	45.7	0.123
4/12/2025 12:00	15.5	7.95	249	2.99	197	0.00	-0.07	3.97	0.545	0.940	33.45	170.000	174.03	129.17	45.7	0.128
4/12/2025 13:00	13.6	7.98	251	2.92	197	0.00	-0.05	3.51	0.545	0.940	10.45	170.000	151.02	149.63	45.7	0.147
4/12/2025 14:00	12.7	7.96	251	2.88	197	0.00	-0.05	3.25	0.545	0.940	-2.04	170.000	138.54	154.75	45.7	0.147
4/12/2025 15:00	11.2	8.00	253	2.85	197	0.00	-0.04	2.87	0.545	0.940	-22.58	170.000	118.00	154.53	45.8	0.142
4/12/2025 16:00	10.7	7.97	251	2.92	197	0.00	-0.03	2.75	0.545	0.940	-34.19	170.000	106.39	135.85	45.8	0.123
4/12/2025 17:00	10.6	7.87	247	2.95	197	0.00	-0.03	2.69	0.545	0.940	-40.35	170.000	100.23	120.98	45.8	0.109
4/12/2025 18:00	11.2	7.93	249	2.92	197	0.00	-0.04	2.86	0.545	0.940	-27.83	170.000	112.75	108.21	45.8	0.098
4/12/2025 19:00	11.1	8.10	257	2.90	197	0.00	-0.06	2.91	0.545	0.940	-23.41	170.000	117.17	106.46	45.8	0.098
4/12/2025 20:00	11.4	8.04	253	2.90	197	0.00	-0.06	2.94	0.545	0.940	-22.16	170.000	118.42	110.05	45.8	0.102
4/12/2025 21:00	11.5	7.91	245	2.94	197	0.00	-0.06	2.92	0.545	0.940	-25.95	170.000	114.63	116.11	45.8	0.107
4/12/2025 22:00	10.2	8.37	257	2.92	197	0.00	-0.07	2.74	0.545	0.940	-34.56	170.000	106.02	116.74	45.8	0.107
4/12/2025 23:00	8.3	8.05	243	2.99	197	0.00	-0.07	2.16	0.545	0.940	-75.88	170.000	64.75	113.02	45.8	0.103
4/13/2025 0:00	9.5	8.47	264	3.00	197	0.00	-0.07	2.58	0.545	0.940	-48.09	170.000	92.49	95.13	45.8	0.088
4/13/2025 1:00	7.9	8.25	259	2.98	197	0.00	-0.07	2.11	0.545	0.940	-75.47	170.000	65.11	87.75	45.8	0.083
4/13/2025 2:00	7.2	8.17	257	2.95	197	0.00	-0.07	1.91	0.545	0.940	-86.08	170.000	54.50	74.12	45.8	0.072
4/13/2025 3:00	6.9	7.80	236	2.94	197	0.00	-0.07	1.73	0.545	0.940	-100.27	170.000	40.78	70.70	45.8	0.070
4/13/2025 4:00	6.9	7.79	236	2.94	197	0.00	-0.07	1.73	0.545	0.940	-99.94	170.000	40.87	53.46	45.8	0.054
4/13/2025 5:00	7.2	7.76	234	3.03	197	0.00	-0.07	1.79	0.545	0.940	-102.97	170.000	37.84	45.39	45.8	0.046
4/13/2025 6:00	8.2	7.80	238	3.11	195	0.00	-0.07	2.07	0.545	0.940	-90.85	170.000	50.02	39.83	45.8	0.040
4/13/2025 7:00	9.8	7.85	246	3.10	189	0.00	-0.07	2.49	0.545	0.940	-64.22	170.000	76.36	42.91	45.8	0.043
4/13/2025 8:00	12.4	7.81	245	3.12	188	0.00	-0.08	3.11	0.545	0.940	-27.34	170.000	113.24	54.74	45.8	0.054
4/13/2025 9:00	11.7	7.86	250	3.11	188	0.00	-0.06	2.97	0.545	0.940	-34.88	170.000	105.70	79.87	45.9	0.078
4/13/2025 10:00	11.2	7.88	251	3.06	188	0.00	-0.06	2.84	0.545	0.940	-39.66	170.000	100.92	98.43	45.9	0.096
4/13/2025 11:00	11.2	7.88	251	3.04	188	0.00	-0.06	2.83	0.545	0.940	-38.21	170.000	102.37	106.62	45.9	0.103
4/13/2025 12:00	11.7	7.94	255	3.00	188	0.00	-0.06	2.98	0.545	0.940	-26.28	170.000	114.30	102.99	45.9	0.097
4/13/2025 13:00	10.8	7.93	256	2.98	188	0.00	-0.05	2.77	0.545	0.940	-37.78	170.000	102.80	105.86	45.9	0.098
4/13/2025 14:00	11.8	7.93	256	2.98	188	0.00	-0.05	3.02	0.545	0.940	-22.92	170.000	117.66	106.49	45.9	0.094
4/13/2025 15:00	13.0	7.84	247	3.41	188	0.00	-0.04	3.28	0.545	0.940	-37.21	170.000	103.37	111.59	45.9	0.095
4/13/2025 16:00	13.4	7.82	244	3.55	188	0.00	-0.02	3.38	0.545	0.940	-41.23	170.000	99.35	107.94	45.9	0.088
4/13/2025 17:00	14.5	7.77	242	3.54	188	0.00	-0.03	3.63	0.545	0.940	-25.80	170.000	114.78	106.79	45.9	0.086
4/13/2025 18:00	14.0	7.79	242	3.55	188	0.00	-0.04	3.51	0.545	0.940	-33.47	170.000	107.11	105.83	45.9	0.086
4/13/2025 19:00	12.2	8.23	266	3.62	188	0.00	-0.05	3.24	0.545	0.940	-51.95	170.000	88.63	107.08	45.9	0.090
4/13/2025 20:00	11.4	8.24	265	3.64	188	0.00	-0.07	3.02	0.545	0.940	-66.83	170.000	73.75	103.51	45.9	0.089
4/13/2025 21:00	10.5	8.27	260	3.61	188	0.00	-0.06	2.81	0.545	0.940	-78.13	170.000	62.45	89.83	46.0	0.079
4/13/2025 22:00	10.6	8.04	242	3.63	188	0.00	-0.06	2.75	0.545	0.940	-86.53	170.000	54.05	74.94	46.0	0.066
4/13/2025 23:00	11.1	7.78	236	3.64	188	0.00	-0.07	2.77	0.545	0.940	-86.70	170.000	53.88	63.41	46.0	0.055
4/14/2025 0:00	11.5	7.66	232	3.67	188	0.00	-0.08	2.84	0.545	0.940	-85.33	170.000	55.25	56.79	46.0	0.048
4/14/2025 1:00	10.8	7.69	233	3.65	188	0.00	-0.08	2.68	0.545	0.940	-94.00	170.000	46.58	54.39	46.0	0.045
4/14/2025 2:00	10.3	7.65	231	3.65	188	0.00	-0.08	2.54	0.545	0.940	-102.88	170.000	39.01	51.90	46.0	0.043
4/14/2025 3:00	10.2	7.67	232	3.66	188	0.00	-0.08	2.52	0.545	0.940	-104.76	170.000	36.72	46.95	46.0	0.039
4/14/2025 4:00	11.2	7.73	235	3.72	188	0.00	-0.08	2.79	0.545	0.940	-91.67	170.000	48.91	40.77	46.0	0.034
4/14/2025 5:00	10.3	7.68	233	3.71	187	0.00	-0.08	2.55	0.545	0.940	-106.56	170.000	35.40	41.54	46.0	0.035
4/14/2025 6:00	11.7	7.72	236	3.70	184	0.00	-0.07	2.90	0.545	0.940	-83.52	170.000	57.27	40.34	46.0	0.034
4/14/2025 7:00	14.1	7.75	237	3.72	183	0.00	-0.07	3.52	0.545	0.940	-45.83	170.000	94.75	47.19	46.0	0.039
4/14/2025 8:00	16.3	7.80	241	3.75	183	0.00	-0.07	4.09	0.545	0.940	-12.30	170.000	128.28	62.47	46.0	0.052
4/14/2025 9:00	16.4	7.79	241	3.77	183	0.00	-0.08	4.12	0.545	0.940	-11.25	170.000	129.33	93.43	46.0	0.079
4/14/2025 10:00	16.5	7.78	242	3.77	184	0.00	-0.08	4.13	0.545	0.940	-10.07	170.000	130.51	117.45	46.0	0.099
4/14/2025 11:00	16.6	7.82	244	3.73	183	0.00	-0.07	4.18	0.545	0.940	-4.80	170.000	135.78	129.37	46.0	0.108
4/14/2025 12:00	19.2	7.84	246	3.75	183	0.00	-0.07	4.85	0.545	0.940	34.92	170.000	175.50	131.87	46.0	0.109
4/14/2025 13:00	19.8	7.83	246	3.78	184	0.00	-0.07	4.99	0.545	0.940	41.63	170.000	182.21	147.26	46.0	0.123
4/14/2025 14:00	21.1	7.81	244	3.80	183	0.00	-0.07	5.31	0.545	0.940	60.69	170.000	201.27	164.50	46.1	0.141
4/14/2025 15:00	20.5	7.82	244	3.83	183	0.00	-0.05	5.16	0.545	0.940	49.26	170.000	189.84	186.33	46.1	0.162
4/14/2025 16:00	19.7	8.01	255	3.78	183	0.00	-0.04	5.07	0.545	0.940	45.67	170.000	186.25	191.11	46.1	0.164
4/14/2025 17:00	20.9	8.06	258	3.79	183	0.00	-0.06	5.41	0.545	0.940	66.04	170.000	206.62	192.45	46.1	0.164
4/14/2025 18:00	23.0	7.94	250	3.94	183	0.00	-0.07	5.89	0.545	0.940	86.27	170.000	226.85	194.23	46.2	0.165
4/14/2025 19:00	21.9	7.71	237	3.99	184	0.00	-0.07	5.44	0.545	0.940	56.65	170.000	197.23	206.57	46.2	0.173
4/14/2025 20:00	21.4	7.80	242	4.00	183	0.00	-0.07	5.37	0.545	0.940	50.72	170.000	191.30	210.23	46.2	0.172
4/14/2025 21:00	20.2	7.76	241	4.03	184	0.00	-0.06	5.05	0.545	0.940	28.74	170.000	169.32	205.13	46.2	0.166
4/14/2025 22:00	18.8	8.16	256	3.98	183	0.00	-0.07	4.95	0.545	0.940	24.93	170.000	165.51	185.95	46.2	0.149
4/14/2025 23:00	18.9	7.80	242	3.99	183	0.00	-0.07	4.74	0.545	0.940	11.63	170.000	152.21	175.38	46.3	0.142
4/15/2025 0:00	21.2	7.79	242	3.98	184	0.00	-0.07	5.33	0.545	0.940	49.69	0.070	49.68	162.35	46.3	0.135
4/15/2025 1:00	20.6	7.77	245	4.00	179	0.00	-0.07	5.15	0.545	0.940	37.06	0.070	36.98	122.46	46.3	0.106
4/15/2025 2:00	20.3	7.81	245	3.99	179	0.00	-0.07	5.10	0.545	0.940	33.99	0.070	35.16	79.62	46.3	0.071
4/15/2025 3:00	19.5	7.78	241	3.98	179	0.00	-0.06	4.89	0.545	0.940	22.03	0.070	23.95	40.61	46.2	0.036
4/15/2025 4:00	19.0	7.95	254	3.97	179	0.00	-0.06	4.87	0.545	0.940	21.25	0.070	23.17	32.03	46.2	0.027
4/15/2025 5:00	18.9	7.84	245	3.96	179	0.00	-0.06	4.77	0.545	0.940	15.99	0.070	22.43	27.43	46.2	0.023
4/15/2025 6:00	18.8	7.91	251	3.95	179	0.00	-0.06	4.79	0.545	0.940	17.59	0.070	18.90	23.18	46.2	0.019
4/15/2025 7:00	17.5	8.18	267	3.96	179	0.00	-0.06	4.63	0.545	0.940	6.57	0.070	18.70	21.50	46.2	0.018
4/15/2025 8:00	15.4	7.98	256	3.97	179	0.00	-0.07	3.96	0.545	0.940	-34.88	0.070	1.08	20.01	46.2	0.016
4/15/2025 9:00	14.7	8.32	282	3.97	179	0.00	-0.07	3.94	0.545	0.940	-34.14	0.070	1.87	12.90	46.2	0.011
4/15/2025 10:00	14.1	8.37	277	3.94	179	0.00	-0.07	3.79	0.545	0.940	-41.14	0.070	1.61	7.22	46.2	0.006
4/15/2025 11:00	13.6	8.40	285	3.91	179	0.00	-0.07	3.69	0.545	0.940	-44.38	0.070	0.67	1.52	46.2	0.001
4/15/2025 12:00	14.6	8.25	272	3.90	179	0.00	-0.07	3.89	0.545	0.940	-33.44	0.070	1.84	1.38	46.2	0.001
4/15/2025 13:00	14.5	7.99	255	3.88	179	0.00	-0.06	3.74	0.545	0.940	-41.86	0.070	0.36	1.37	46.2	0.001
4/15/2025 14:00	14.3	8.00	255	3.87	179	0.00	-0.05	3.69	0.545	0.940	-44.31	0.070	1.55	0.96	46.2	0.001
4/15/2025 15:00	14.2	8.11	261	3.85	179	0.00	-0.06	3.72	0.545	0.940	-40.66	0.070	0.34	1.25	46.2	0.001
4/15/2025 16:00	14.4	8.23	271	3.84	179	0.00	-0.07	3.82	0.545	0.940	-33.23	0.070	1.98	0.75	46.2	0.001
4/15/2025 17:00	14.5	8.34	280	3.83	179	0.00	-0.07	3.90	0.545	0.940	-27.10	0.070	2.18	1.29	46.2	0.001
4/15/2025 18:00	15.9	8.40	283	3.83	179	0.00	-0.07	4.30	0.545	0.940	-4.00	0.070	8.61	1.50	46.2	0.001
4/15/2025 19:00	17.4	8.42	284	3.86	179	0.00	-0.08	4.72	0.545	0.940	18.04	0.070	22.78	4.26	46.2	0.004
4/15/2025 20:00	18.0	8.40	282	3.88	179	0.00	-0.07	4.86	0.545	0.940	25.36	0.070	26.84	11.19	46.2	0.009
4/15/2025 21:00	18.1	8.39	281	3.92	179	0.00	-0.07	4.90	0.545	0.940	24.97	0.070	26.87	19.41	46.2	0.016
4/15/2025 22:00	18.7	8.67	286	3.94	179	0.00	-0.07	5.21	0.545	0.940	41.25	0.070	42.94	25.50	46.2	0.021
4/15/2025 23:00	18.5	8.42	278	3.95	179	0.00	-0.07	5.01	0.545	0.940	29.56	0.070	30.91	32.22	46.2	0.027
4/16/2025 0:00	21.9	8.31	275	3.95	179	0.00	-0.07	5.86	0.545	0.940	79.77	0.070	79.35	33.58	46.2	0.028
4/16/2025 1:00	20.5	8.36	277	3.93	179	0.00	-0.07	5.53	0.545	0.940	61.18	0.070	60.78	51.07	46.2	0.043
4/16/2025 2:00	20.7	8.17	263	3.96	179	0.00	-0.07	5.45	0.545	0.940	56.34	0.070	55.91	57.01	46.2	0.048
4/16/2025 3:00	20.1	8.43	283	3.96	179	0.00	-0.07	5.45	0.545	0.940	53.95	0.070	53.52	65.35	46.2	0.055
4/16/2025 4:00	19.2	8.51	289	3.98	179	0.00	-0.07	5.26	0.545	0.940	41.08	0.070	40.65	56.74	46.2	0.048
4/16/2025 5:00	19.3	8.44	283	4.02	179	0.00	-0.07	5.24	0.545	0.940	38.17	0.070	37.74	50.03	46.2	0.043
4/16/2025 6:00	21.5	8.18	263	4.00	179	0.00	-0.07	5.67	0.545	0.940	66.51	0.070	66.18	43.97	46.2	0.038
4/16/2025 7:00	17.9	8.19	264	4.00	179	0.00	-0.07	4.72	0.545	0.940	9.21	0.070	20.36	48.19	46.2	0.042
4/16/2025 8:00	15.5	8.27	268	4.01	179	0.00	-0.07	4.13	0.545	0.940	-26.86	0.070	1.89	41.43	46.2	0.036
4/16/2025 9:00	15.5	8.13	258	4.01	179	0.00	-0.07	4.05	0.545	0.940	-31.82	0.070	2.18	29.48	46.1	0.026
4/16/2025 10:00	16.1	8.08	256	4.01	179	0.00	-0.07	4.20	0.545	0.940	-23.01	0.070	2.74	8.14	46.1	0.007
4/16/2025 11:00	15.9	8.18	262	3.98	179	0.00	-0.07	4.18	0.545	0.940	-21.18	0.070	3.05	2.27	46.1	0.002
4/16/2025 12:00	18.5	8.24	267	3.98	179	0.00	-0.08	4.90	0.545	0.940	21.88	0.070	24.56	2.66	46.1	0.002
4/16/2025 13:00	18.2	8.08	256	3.97	179	0.00	-0.08	4.74	0.545	0.940	12.99	0.070	18.43	10.12	46.1	0.009
4/16/2025 14:00	18.3	8.06	264	3.99	179	0.00	-0.08	4.76	0.545	0.940	12.71	0.070	18.39	15.35	46.1	0.014
4/16/2025 15:00	19.2	8.08	272	4.00	179	0.00	-0.07	5.00	0.545	0.940	26.14	0.070	26.79	20.46	46.1	0.018
4/16/2025 16:00	18.8	8.13	278	4.02	179	0.00	-0.06	4.92	0.545	0.940	19.71	0.070	23.13	21.20	46.1	0.019
4/16/2025 17:00	18.2	8.56	307	3.99	179	0.00	-0.05	5.02	0.545	0.940	25.75	0.070	27.45	22.77	46.1	0.020
4/16/2025 18:00	19.3	8.23	282	3.97	179	0.00	-0.07	5.11	0.545	0.940	34.14	0.070	36.30	25.79	46.1	0.024
4/16/2025 19:00	18.2	8.38	290	3.96	179	0.00	-0.06	4.90	0.545	0.940	21.76	0.070	24.62	28.96	46.1	0.027
4/16/2025 20:00	18.7	8.40	293	3.97	179	0.00	-0.07	5.05	0.545	0.940	29.53	0.070	30.58	29.46	46.1	0.028

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/16/2025 21:00	18.1	8.51	299	3.98	179	0.00	-0.07	4.96	0.545	0.940	23.76	0.070	24.79	30.50	46.1	0.028
4/16/2025 22:00	17.6	8.71	296	3.95	179	0.00	-0.07	4.94	0.545	0.940	24.37	0.070	26.82	26.66	46.1	0.024
4/16/2025 23:00	17.9	8.52	285	3.96	179	0.00	-0.07	4.89	0.545	0.940	21.57	0.070	25.19	27.40	46.1	0.025
4/17/2025 0:00	18.9	8.15	268	4.03	179	0.00	-0.07	4.96	0.545	0.940	21.74	0.070	29.45	25.60	46.1	0.023
4/17/2025 1:00	18.3	7.94	252	4.05	179	0.00	-0.07	4.68	0.545	0.940	3.73	0.070	11.65	27.15	46.1	0.025
4/17/2025 2:00	18.2	8.10	262	4.07	179	0.00	-0.07	4.75	0.545	0.940	6.65	0.070	14.80	22.09	46.1	0.021
4/17/2025 3:00	17.9	8.10	263	4.05	179	0.00	-0.08	4.68	0.545	0.940	3.33	0.070	13.34	18.63	46.1	0.018
4/17/2025 4:00	17.8	8.10	262	4.08	179	0.00	-0.08	4.63	0.545	0.940	-1.04	0.070	10.53	13.26	46.1	0.013
4/17/2025 5:00	17.5	8.25	272	4.09	179	0.00	-0.08	4.65	0.545	0.940	-0.78	0.070	10.57	12.89	46.1	0.012
4/17/2025 6:00	18.2	8.15	264	4.10	179	0.00	-0.08	4.77	0.545	0.940	5.01	0.070	12.55	11.48	46.1	0.011
4/17/2025 7:00	18.2	7.98	255	4.14	179	0.00	-0.08	4.69	0.545	0.940	-2.13	0.070	8.87	11.22	46.1	0.011
4/17/2025 8:00	17.8	7.95	255	4.15	179	0.00	-0.08	4.55	0.545	0.940	-11.41	0.070	5.38	10.67	46.1	0.010
4/17/2025 9:00	16.8	7.98	261	4.13	179	0.00	-0.08	4.33	0.545	0.940	-23.47	0.070	2.27	8.93	46.0	0.009
4/17/2025 10:00	16.0	7.95	251	4.10	179	0.00	-0.07	4.11	0.545	0.940	-35.07	0.070	1.11	5.51	46.0	0.005
4/17/2025 11:00	15.5	7.81	249	4.07	179	0.00	-0.06	3.91	0.545	0.940	-45.68	0.070	0.00	2.92	46.0	0.003
4/17/2025 12:00	16.0	7.81	252	4.07	179	0.00	-0.06	4.02	0.545	0.940	-37.93	0.070	0.26	1.13	46.0	0.001
4/17/2025 13:00	16.3	8.72	306	4.63	182	0.00	-0.06	4.57	0.545	0.940	-38.46	0.070	0.32	0.46	46.0	0.000
4/17/2025 14:00	14.6	8.74	306	4.58	183	0.00	-0.05	4.10	0.545	0.940	-60.80	0.070	0.15	0.19	46.0	0.000
4/17/2025 15:00	15.4	8.77	307	4.56	183	0.00	-0.04	4.36	0.545	0.940	-46.02	0.070	0.40	0.24	46.0	0.000
4/17/2025 16:00	15.3	8.78	306	4.54	183	0.00	-0.02	4.31	0.545	0.940	-47.05	0.070	0.33	0.29	46.0	0.000
4/17/2025 17:00	16.0	8.81	306	4.54	183	0.00	-0.02	4.52	0.545	0.940	-35.63	0.070	1.09	0.29	46.0	0.000
4/17/2025 18:00	15.6	8.83	307	4.55	183	0.00	-0.04	4.43	0.545	0.940	-41.09	0.070	0.67	0.60	46.0	0.001
4/17/2025 19:00	12.6	8.80	302	4.59	183	0.00	-0.05	3.58	0.545	0.940	-90.47	0.070	0.00	0.70	46.0	0.001
4/17/2025 20:00	11.7	8.79	299	4.62	184	0.00	-0.07	3.32	0.545	0.940	-107.50	0.070	0.00	0.59	46.0	0.001
4/17/2025 21:00	11.3	8.94	299	4.60	184	0.00	-0.06	3.24	0.545	0.940	-111.13	0.070	0.00	0.22	46.0	0.000
4/17/2025 22:00	11.1	8.86	296	4.60	183	0.00	-0.06	3.16	0.545	0.940	-115.67	0.070	0.00	0.00	46.0	0.000
4/17/2025 23:00	12.3	8.69	293	4.59	183	0.00	-0.07	3.46	0.545	0.940	-99.57	0.070	0.00	0.00	46.0	0.000
4/18/2025 0:00	12.3	8.64	289	4.57	183	0.00	-0.08	3.41	0.545	0.940	-101.89	0.070	0.00	0.00	46.0	0.000
4/18/2025 1:00	11.8	8.65	291	4.57	183	0.00	-0.08	3.28	0.545	0.940	-108.45	0.070	0.00	0.00	45.9	0.000
4/18/2025 2:00	12.4	8.61	286	4.66	183	0.00	-0.07	3.44	0.545	0.940	-106.50	0.070	0.00	0.00	45.9	0.000
4/18/2025 3:00	12.5	8.61	287	4.73	183	0.00	-0.07	3.48	0.545	0.940	-108.91	0.070	0.00	0.00	45.9	0.000
4/18/2025 4:00	13.8	8.61	298	4.76	184	0.00	-0.07	3.83	0.545	0.940	-88.14	0.070	0.00	0.00	45.9	0.000
4/18/2025 5:00	13.4	8.58	297	4.75	183	0.00	-0.07	3.72	0.545	0.940	-94.59	0.070	0.00	0.00	45.9	0.000
4/18/2025 6:00	13.6	8.63	301	4.72	183	0.00	-0.07	3.77	0.545	0.940	-89.03	0.070	0.00	0.00	45.9	0.000
4/18/2025 7:00	17.3	8.64	302	4.67	184	0.00	-0.07	4.80	0.545	0.940	-28.56	0.070	6.99	0.00	45.9	0.000
4/18/2025 8:00	19.7	8.61	301	4.65	183	0.00	-0.08	5.46	0.545	0.940	8.63	0.070	16.80	2.33	45.9	0.002
4/18/2025 9:00	20.6	8.65	305	4.63	183	0.00	-0.08	5.73	0.545	0.940	24.12	0.070	27.01	7.93	45.9	0.007
4/18/2025 10:00	20.1	8.64	305	4.64	183	0.00	-0.08	5.59	0.545	0.940	16.63	0.070	20.30	16.93	45.9	0.015
4/18/2025 11:00	22.2	8.59	305	4.65	183	0.00	-0.08	6.13	0.545	0.940	44.97	0.070	45.14	21.37	45.9	0.019
4/18/2025 12:00	24.4	8.75	318	4.61	183	0.00	-0.07	6.88	0.545	0.940	85.67	0.070	85.24	30.81	45.9	0.028
4/18/2025 13:00	23.7	8.32	282	4.56	183	0.00	-0.07	6.35	0.545	0.940	65.58	0.070	65.58	50.23	45.9	0.045
4/18/2025 14:00	23.8	8.10	260	4.53	183	0.00	-0.07	6.21	0.545	0.940	63.14	0.070	62.72	65.32	45.9	0.058
4/18/2025 15:00	22.6	7.84	236	4.52	183	0.00	-0.05	5.72	0.545	0.940	35.52	0.070	37.29	71.18	45.9	0.062
4/18/2025 16:00	22.4	7.69	234	4.50	183	0.00	-0.04	5.53	0.545	0.940	25.88	0.070	26.68	55.20	45.9	0.049
4/18/2025 17:00	20.7	7.73	240	4.48	183	0.00	-0.04	5.16	0.545	0.940	3.16	0.070	12.90	42.23	45.9	0.037
4/18/2025 18:00	20.6	7.62	230	4.51	183	0.00	-0.04	5.07	0.545	0.940	-5.20	0.070	9.93	25.62	45.9	0.022
4/18/2025 19:00	19.9	7.81	240	4.45	183	0.00	-0.03	4.99	0.545	0.940	-5.38	0.070	7.30	16.50	45.9	0.014
4/18/2025 20:00	18.4	7.87	244	4.41	184	0.00	-0.04	4.67	0.545	0.940	-22.68	0.070	3.79	10.04	45.9	0.008
4/18/2025 21:00	17.7	7.88	241	4.39	183	0.00	-0.05	4.48	0.545	0.940	-33.21	0.070	0.91	7.01	45.9	0.006
4/18/2025 22:00	17.9	7.87	239	4.39	183	0.00	-0.07	4.53	0.545	0.940	-30.13	0.070	1.40	4.00	45.9	0.004
4/18/2025 23:00	17.8	8.08	246	4.41	184	0.00	-0.07	4.63	0.545	0.940	-24.66	0.070	4.05	2.03	45.9	0.002
4/19/2025 0:00	19.5	7.94	242	4.41	183	0.00	-0.06	4.98	0.545	0.940	-3.18	1.540	4.10	2.12	45.9	0.002
4/19/2025 1:00	19.2	7.51	225	4.45	184	0.00	-0.06	4.65	0.545	0.940	-27.58	1.540	0.98	3.18	45.8	0.003
4/19/2025 2:00	18.8	7.56	231	4.45	183	0.00	-0.07	4.58	0.545	0.940	-32.04	1.540	0.19	3.04	45.8	0.003
4/19/2025 3:00	18.1	7.70	237	4.49	183	0.00	-0.06	4.49	0.545	0.940	-39.92	1.540	0.14	1.76	45.8	0.002
4/19/2025 4:00	16.6	7.80	239	4.53	183	0.00	-0.05	4.18	0.545	0.940	-62.46	1.540	0.00	0.44	45.8	0.000
4/19/2025 5:00	16.4	7.73	231	4.50	183	0.00	-0.04	4.09	0.545	0.940	-66.90	1.540	0.00	0.11	45.8	0.000
4/19/2025 6:00	16.8	7.91	239	4.50	183	0.00	-0.04	4.27	0.545	0.940	-54.70	1.540	0.28	0.05	45.8	0.000
4/19/2025 7:00	18.7	8.06	245	4.51	183	0.00	-0.04	4.87	0.545	0.940	-18.16	1.540	7.94	0.09	45.8	0.000
4/19/2025 8:00	19.0	8.36	268	4.52	183	0.00	-0.04	5.12	0.545	0.940	-2.54	1.540	2.48	2.74	45.8	0.002
4/19/2025 9:00	19.4	8.22	258	4.52	183	0.00	-0.03	5.12	0.545	0.940	-2.22	1.540	3.18	3.57	45.8	0.003
4/19/2025 10:00	19.0	8.01	245	4.58	183	0.00	-0.04	4.89	0.545	0.940	-20.33	1.540	1.55	4.54	45.8	0.004
4/19/2025 11:00	18.4	8.03	242	4.59	183	-0.01	-0.03	4.75	0.545	0.940	-30.39	1.540	0.05	2.40	45.8	0.002
4/19/2025 12:00	19.5	7.96	239	4.55	183	0.00	-0.02	5.01	0.545	0.940	-11.52	1.540	1.97	1.59	45.8	0.001
4/19/2025 13:00	19.4	7.81	233	4.52	183	0.00	-0.02	4.87	0.545	0.940	-18.60	1.540	0.65	1.19	45.8	0.001
4/19/2025 14:00	19.5	7.74	230	4.51	183	0.00	-0.03	4.85	0.545	0.940	-18.94	1.540	2.23	0.89	45.8	0.001
4/19/2025 15:00	19.1	7.83	235	4.52	183	0.00	-0.03	4.82	0.545	0.940	-21.89	1.540	0.84	1.61	45.8	0.001
4/19/2025 16:00	19.0	8.04	245	4.52	184	0.00	-0.03	4.91	0.545	0.940	-15.07	1.540	1.11	1.24	45.8	0.001
4/19/2025 17:00	19.8	7.82	232	4.52	184	0.00	-0.04	4.98	0.545	0.940	-11.38	1.540	2.29	1.39	45.7	0.001
4/19/2025 18:00	19.8	7.97	244	4.54	183	0.00	-0.04	5.08	0.545	0.940	-6.03	1.540	4.30	1.41	45.7	0.001
4/19/2025 19:00	20.3	8.15	250	4.61	184	0.00	-0.05	5.32	0.545	0.940	4.04	1.540	4.48	2.57	45.7	0.002
4/19/2025 20:00	21.1	8.23	255	4.68	183	0.00	-0.07	5.59	0.545	0.940	15.01	1.540	8.30	3.69	45.7	0.003
4/19/2025 21:00	20.5	8.32	260	4.78	184	0.00	-0.07	5.50	0.545	0.940	2.98	1.540	5.46	5.70	45.7	0.005
4/19/2025 22:00	20.7	8.09	240	4.81	183	0.00	-0.06	5.39	0.545	0.940	-6.02	1.540	3.26	6.08	45.7	0.005
4/19/2025 23:00	20.8	8.16	243	4.81	183	0.00	-0.07	5.47	0.545	0.940	-0.89	1.540	3.95	5.68	45.7	0.005
4/20/2025 0:00	20.8	8.18	251	4.83	183	0.00	-0.08	5.47	0.545	0.940	-2.61	1.540	3.34	4.23	45.7	0.004
4/20/2025 1:00	20.3	8.07	244	4.82	183	0.00	-0.08	5.27	0.545	0.940	-14.29	1.540	2.85	3.52	45.7	0.003
4/20/2025 2:00	20.2	8.31	260	4.78	183	0.00	-0.07	5.41	0.545	0.940	-2.83	1.540	4.13	3.38	45.7	0.003
4/20/2025 3:00	19.8	8.32	259	4.86	183	0.00	-0.07	5.30	0.545	0.940	-14.64	1.540	0.70	3.44	45.7	0.003
4/20/2025 4:00	19.6	8.37	260	4.89	183	0.00	-0.07	5.28	0.545	0.940	-18.12	1.540	0.92	2.56	45.7	0.002
4/20/2025 5:00	20.0	7.96	236	4.93	183	0.00	-0.07	5.12	0.545	0.940	-31.34	1.540	0.17	1.92	45.7	0.002
4/20/2025 6:00	20.5	7.77	225	4.99	184	0.00	-0.07	5.13	0.545	0.940	-36.74	1.540	0.61	0.60	45.7	0.001
4/20/2025 7:00	19.9	7.86	236	4.33	184	0.00	-0.07	5.04	0.545	0.940	6.13	1.540	7.44	0.57	45.7	0.001
4/20/2025 8:00	19.4	7.89	238	4.35	183	0.00	-0.08	4.92	0.545	0.940	-2.96	1.540	3.58	2.74	45.7	0.003
4/20/2025 9:00	19.1	7.74	230	4.35	183	0.00	-0.08	4.75	0.545	0.940	-13.68	1.540	3.01	3.88	45.7	0.004
4/20/2025 10:00	20.7	7.80	238	4.32	183	0.00	-0.08	5.20	0.545	0.940	16.56	1.540	10.86	4.68	45.6	0.004
4/20/2025 11:00	23.2	7.73	234	4.30	184	0.00	-0.07	5.77	0.545	0.940	55.40	1.540	40.05	5.82	45.6	0.005
4/20/2025 12:00	24.6	7.51	222	4.28	183	0.00	-0.07	5.95	0.545	0.940	70.22	1.540	53.13	17.97	45.6	0.016
4/20/2025 13:00	24.1	7.73	235	4.33	184	0.00	-0.06	5.99	0.545	0.940	67.39	1.540	51.37	34.68	45.6	0.031
4/20/2025 14:00	23.0	7.71	234	4.31	184	0.00	-0.05	5.70	0.545	0.940	49.85	1.540	34.08	48.19	45.6	0.042
4/20/2025 15:00	22.3	7.65	232	4.32	184	0.00	-0.04	5.50	0.545	0.940	36.63	1.540	22.88	46.19	45.6	0.039
4/20/2025 16:00	21.4	7.70	235	4.29	183	0.00	-0.02	5.31	0.545	0.940	26.55	1.540	14.77	36.11	45.6	0.029
4/20/2025 17:00	21.1	7.57	228	4.29	183	0.00	-0.03	5.14	0.545	0.940	16.53	1.540	9.80	23.91	45.6	0.020
4/20/2025 18:00	21.5	7.82	239	4.29	184	0.00	-0.04	5.41	0.545	0.940	32.53	1.540	18.86	15.82	45.6	0.014
4/20/2025 19:00	20.8	8.07	253	4.29	184	0.00	-0.06	5.41	0.545	0.940	31.71	1.540	18.06	14.48	45.6	0.013
4/20/2025 20:00	19.8	8.00	246	4.29	183	0.00	-0.07	5.09	0.545	0.940	12.10	1.540	8.07	15.57	45.6	0.014
4/20/2025 21:00	20.1	8.30	267	4.28	183	0.00	-0.07	5.38	0.545	0.940	29.57	1.540	17.74	15.00	45.6	0.013
4/20/2025 22:00	23.1	8.34	262	4.24	184	0.00	-0.08	6.21	0.545	0.940	81.65	1.540	65.16	14.62	45.6	0.013
4/20/2025 23:00	25.0	8.32	258	4.30	183	0.00	-0.08	6.71	0.545	0.940	109.33	1.540	92.24	30.32	45.6	0.026
4/21/2025 0:00	26.6	8.07	245	4.29	183	0.00	-0.07	6.91	0.545	0.940	125.70	1.540	108.61	58.38	45.6	0.051
4/21/2025 1:00	26.7	7.91	236	4.31	183	0.00	-0.07	6.81	0.545	0.940	119.89	1.540	102.80	88.67	45.6	0.078
4/21/2025 2:00	28.0	8.02	243	4.29	183	0.00	-0.07	7.22	0.545	0.940	145.07	1.540	127.98	101.22	45.7	0.090
4/21/2025 3:00	28.6	8.16	250	4.34	184	0.00	-0.07	7.50	0.545	0.940	157.02	1.540	139.93	113.13	45.7	0.101
4/21/2025 4:00	30.5	8.25	255	4.33	183	0.00	-0.07	8.11	0.545	0.940	192.84	1.540	175.75	123.57	45.7	0.111
4/21/2025 5:00	30.8	8.09	251	4.31	183	0.00	-0.07	8.03	0.545	0.940	191.08	1.540	173.99	147.88	45.7	0.133
4/21/2025 6:00	32.4	8.05	248	4.30	184	0.00	-0.07	8.41	0.545	0.940	216.27	1.540	199.18	163.22	45.7	0.148
4/21/2025 7:00	24.1	8.00	248	4.28	183	0.00	-0.07	6.20	0.545	0.940	81.44	1.540	72.56	182.97	45.7	0.166
4/21/2025 8:00	19.1	8.20	259	4.26	183	0.00	-0.07	5.04	0.545	0.940	10.47	1.540	6.98	148.58	45.7	0.136
4/21/2025 9:00	19.8	7.91	243	4.25	183	0.00	-0.08	5.03	0.545	0.940	11.54	1.540	8.14	92.91	45.7	0.085
4/21/2025 10:00	21.0	7.95	247	4.22	183	0.00	-0.08	5.36	0.545	0.940	33.88	1.540	20.96	29.23	45.7	0.027
4/21/2025 11:00	19.6	7.90	244	4.22	183	0.00	-0.08	4.99	0.545	0.940	10.42	1.540	8.48	12.03	45.7	0.011
4/21/2025 12:00	22.1	7.66	232	4.19	184	0.00	-0.07	5.44	0.545	0.940	42.21	1.540	29.58	12.53	45.7	0.011
4/21/2025 13:00	20.7	7.84	243	4.18	183	0.00	-0.07	5.22	0.545	0.940	27.95	1.540	18.39	19.68	45.7	0.018
4/21/2025 14:00	20.7	7.94	246	4.18	184	0.00	-0.06	5.30	0.545	0.940	33.33	1.540	19.97	18.82	45.7	0.017
4/21/2025 15:00	21.1	7.94	248	4.18	183	0.00	-0.06	5.40	0.545	0.940	39.09	1.540	24.76	22.65	45.7	0.021
4/21/2025 16:00	22.1	8.11	258	4.15	184	0.00	-0.06	5.77	0.545	0.940	62.51	1.540	45.65	21.04	45.7	0.019
4/21/2025 17:00	21.6	7.79	240	4.10	183	0.00	-0.06	5.41	0.545	0.940	46.07	1.540	31.32	30.13	45.7	0.028
4/21/2025 18:00	24.3	8.07	258	4.11	183	0.00	-0.06	6.31	0.545	0.940	97.78	1.540	80.93	33.91	45.7	0.031
4/21/2025 19:00	20.7	7.92	248	4.13	183	0.00	-0.06	5.28	0.545	0.940	35.44	1.540	20.37	52.63	45.7	0.049
4/21/2025 20:00	19.0	8.15	260	4.12	183	0.00	-0.08	4.97	0.545	0.940	16.25	1.540	10.97	44.21	45.7	0.041
4/21/2025 21:00	19.3	8.03	248	4.11	184	0.00	-0.08	5.00	0.545	0.940	19.41	1.540	13.29	37.43	45.7	0.035
4/21/2025 22:00	18.3	7.94	236	4.09	183	0.00	-0.08	4.69	0.545	0.940	0.50	1.540	7.79	14.88	45.7	0.014
4/21/2025 23:00	18.5	7.72	234	4.11	183	0.00	-0.07	4.60	0.545	0.940	-6.00	1.540	2.34	10.68	45.7	0.010
4/22/2025 0:00	18.6	7.65	233	4.11	183	0.00	-0.06	4.58	0.545	0.940	-6.77	0.640	11.04	7.81	45.7	0.007
4/22/2025 1:00	16.8	7.54	229	4.08	183	0.00	-0.06	4.07	0.545	0.940	-37.34	0.640	0.61	7.06	45.7	0.007
4/22/2025 2:00	15.5	7.66	235	4.05	183	0.00	-0.07	3.82	0.545	0.940	-50.49	0.640	0.00	4.67	45.7	0.005
4/22/2025 3:00	15.2	7.85	247	4.02	183	0.00	-0.07	3.84	0.545	0.940	-46.49	0.640	0.71	3.89	45.7	0.004

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/22/2025 4:00	14.6	7.76	240	4.04	183	0.00	-0.07	3.64	0.545	0.940	-60.86	0.640	0.00	0.44	45.6	0.000
4/22/2025 5:00	14.5	7.72	238	4.07	184	0.00	-0.07	3.61	0.545	0.940	-65.44	0.640	0.10	0.24	45.6	0.000
4/22/2025 6:00	15.8	7.74	238	4.07	184	0.00	-0.06	3.94	0.545	0.940	-44.11	0.640	0.00	0.27	45.6	0.000
4/22/2025 7:00	16.9	7.71	239	4.06	183	0.00	-0.06	4.19	0.545	0.940	-27.38	0.640	6.14	0.03	45.6	0.000
4/22/2025 8:00	17.9	8.05	254	4.11	184	0.00	-0.07	4.63	0.545	0.940	-3.66	0.640	5.85	2.08	45.6	0.002
4/22/2025 9:00	17.7	8.18	265	4.06	183	0.00	-0.07	4.66	0.545	0.940	1.82	0.640	9.10	4.00	45.6	0.004
4/22/2025 10:00	16.9	8.02	254	4.00	183	0.00	-0.06	4.37	0.545	0.940	-12.02	0.640	6.01	7.03	45.6	0.007
4/22/2025 11:00	17.1	8.03	257	4.00	184	0.00	-0.06	4.42	0.545	0.940	-8.21	0.640	5.93	6.99	45.6	0.007
4/22/2025 12:00	17.3	8.06	261	3.94	183	0.00	-0.06	4.50	0.545	0.940	0.19	0.640	7.62	7.01	45.6	0.006
4/22/2025 13:00	16.8	8.14	268	3.92	184	0.00	-0.05	4.41	0.545	0.940	-3.10	0.640	7.61	6.52	45.6	0.006
4/22/2025 14:00	15.9	8.21	274	3.86	183	0.00	-0.05	4.20	0.545	0.940	-12.09	0.640	2.89	7.05	45.6	0.006
4/22/2025 15:00	15.3	8.18	272	3.85	183	0.00	-0.03	4.04	0.545	0.940	-19.91	0.640	1.50	6.04	45.6	0.005
4/22/2025 16:00	15.2	8.20	271	3.84	183	0.00	-0.01	4.01	0.545	0.940	-21.18	0.640	3.06	4.00	45.6	0.003
4/22/2025 17:00	15.0	8.21	273	3.82	183	0.00	-0.02	3.96	0.545	0.940	-23.31	0.640	2.10	2.48	45.6	0.002
4/22/2025 18:00	15.5	8.18	269	3.84	183	0.00	-0.03	4.07	0.545	0.940	-18.13	0.640	3.21	2.22	45.6	0.002
4/22/2025 19:00	15.3	8.14	267	3.84	184	0.00	-0.04	4.00	0.545	0.940	-22.37	0.640	0.97	2.79	45.6	0.002
4/22/2025 20:00	14.8	8.17	267	3.85	183	0.00	-0.04	3.90	0.545	0.940	-29.08	0.640	2.34	2.09	45.6	0.002
4/22/2025 21:00	14.9	8.13	264	3.85	183	0.00	-0.07	3.90	0.545	0.940	-29.66	0.640	2.13	2.17	45.5	0.002
4/22/2025 22:00	14.7	8.30	270	3.88	183	0.00	-0.07	3.92	0.545	0.940	-29.55	0.640	1.41	1.81	45.5	0.001
4/22/2025 23:00	14.9	8.25	263	3.91	184	0.00	-0.07	3.96	0.545	0.940	-30.39	0.640	1.07	1.96	45.5	0.002
4/23/2025 0:00	14.8	8.30	264	3.91	183	0.00	-0.07	3.96	0.545	0.940	-30.21	0.640	1.26	1.54	45.5	0.001
4/23/2025 1:00	16.4	8.27	264	3.92	184	0.00	-0.08	4.38	0.545	0.940	-5.66	0.640	7.94	1.25	45.5	0.001
4/23/2025 2:00	16.1	8.25	264	3.93	183	0.00	-0.08	4.27	0.545	0.940	-12.40	0.640	5.67	3.42	45.5	0.003
4/23/2025 3:00	16.2	8.21	265	3.98	183	0.00	-0.08	4.28	0.545	0.940	-15.82	0.640	4.05	4.96	45.5	0.005
4/23/2025 4:00	15.8	8.16	268	4.01	183	0.00	-0.08	4.16	0.545	0.940	-24.02	0.640	1.05	5.89	45.5	0.006
4/23/2025 5:00	16.5	8.06	261	4.00	183	0.00	-0.08	4.27	0.545	0.940	-17.33	0.640	3.78	3.59	45.5	0.003
4/23/2025 6:00	15.2	8.07	262	4.02	183	0.00	-0.07	3.95	0.545	0.940	-38.12	0.640	0.16	2.96	45.5	0.003
4/23/2025 7:00	16.4	8.13	273	4.01	176	0.00	-0.07	4.30	0.545	0.940	-17.30	0.640	11.07	1.66	45.5	0.002
4/23/2025 8:00	19.1	8.17	281	4.04	173	0.00	-0.08	5.03	0.545	0.940	24.51	0.640	23.76	5.00	45.5	0.005
4/23/2025 9:00	20.3	8.10	284	4.06	170	0.00	-0.08	5.28	0.545	0.940	38.71	0.640	35.06	11.66	45.5	0.011
4/23/2025 10:00	21.0	8.00	274	4.10	170	0.00	-0.07	5.41	0.545	0.940	44.30	0.640	41.04	23.30	45.5	0.022
4/23/2025 11:00	21.0	7.95	270	4.10	170	0.00	-0.06	5.38	0.545	0.940	42.10	0.640	38.06	33.29	45.5	0.030
4/23/2025 12:00	21.8	7.95	271	4.11	170	0.00	-0.06	5.58	0.545	0.940	54.05	0.640	49.79	38.05	45.5	0.033
4/23/2025 13:00	20.9	7.97	274	4.13	170	0.00	-0.06	5.37	0.545	0.940	39.68	0.640	36.30	42.96	45.5	0.037
4/23/2025 14:00	20.2	8.00	274	4.12	170	0.00	-0.05	5.21	0.545	0.940	30.77	0.640	27.93	41.38	45.5	0.035
4/23/2025 15:00	20.6	7.84	241	4.11	170	0.00	-0.04	5.19	0.545	0.940	32.48	0.640	29.48	38.01	45.5	0.031
4/23/2025 16:00	21.7	7.58	239	4.10	168	0.00	-0.03	5.29	0.545	0.940	40.01	0.640	36.91	31.24	45.5	0.025
4/23/2025 17:00	22.0	7.69	246	4.06	165	0.00	-0.03	5.46	0.545	0.940	53.42	0.640	49.19	31.44	45.5	0.025
4/23/2025 18:00	22.5	7.68	245	4.00	165	0.00	-0.04	5.56	0.545	0.940	64.44	0.640	60.17	38.53	45.5	0.032
4/23/2025 19:00	20.7	7.65	242	3.98	165	0.00	-0.06	5.10	0.545	0.940	36.97	0.640	33.72	48.76	45.5	0.042
4/23/2025 20:00	19.9	7.97	266	4.01	165	0.00	-0.07	5.10	0.545	0.940	32.21	0.640	29.21	47.69	45.5	0.043
4/23/2025 21:00	21.7	7.87	257	4.03	165	0.00	-0.07	5.51	0.545	0.940	57.05	0.640	53.23	41.03	45.5	0.038
4/23/2025 22:00	23.1	7.74	248	4.02	165	0.00	-0.08	5.77	0.545	0.940	75.82	0.640	71.55	38.72	45.5	0.036
4/23/2025 23:00	24.8	7.78	245	3.98	165	0.00	-0.08	6.21	0.545	0.940	108.41	0.640	104.14	51.33	45.5	0.049
4/24/2025 0:00	24.6	7.89	252	3.99	165	0.00	-0.08	6.26	0.545	0.940	108.47	0.120	2.34	76.31	45.5	0.073
4/24/2025 1:00	23.5	7.77	246	3.98	165	0.00	-0.08	5.87	0.545	0.940	86.50	0.120	0.52	59.34	45.5	0.057
4/24/2025 2:00	24.4	7.70	245	3.97	165	0.00	-0.08	6.06	0.545	0.940	99.62	0.120	1.51	35.66	45.5	0.034
4/24/2025 3:00	23.1	8.03	268	3.93	165	0.00	-0.08	5.98	0.545	0.940	91.97	0.120	0.22	1.45	45.5	0.001
4/24/2025 4:00	23.1	8.02	269	3.92	165	0.00	-0.08	5.96	0.545	0.940	91.62	0.120	0.02	0.75	45.5	0.001
4/24/2025 5:00	22.4	8.02	269	3.92	165	0.00	-0.08	5.78	0.545	0.940	80.76	0.120	0.00	0.58	45.4	0.001
4/24/2025 6:00	24.5	7.90	262	3.93	165	0.00	-0.08	6.24	0.545	0.940	109.43	0.120	5.76	0.08	45.4	0.000
4/24/2025 7:00	18.5	7.75	251	3.89	165	0.00	-0.08	4.60	0.545	0.940	10.65	0.120	0.00	1.92	45.4	0.002
4/24/2025 8:00	17.0	7.72	254	3.87	165	0.00	-0.08	4.23	0.545	0.940	-11.77	0.120	0.00	1.92	45.4	0.002
4/24/2025 9:00	16.5	7.68	255	3.85	165	0.00	-0.07	4.07	0.545	0.940	-20.48	0.120	0.00	1.92	45.4	0.002
4/24/2025 10:00	16.1	7.65	252	3.80	165	0.00	-0.07	3.97	0.545	0.940	-23.54	0.120	0.00	0.00	45.4	0.000
4/24/2025 11:00	15.6	7.68	255	3.80	165	0.00	-0.06	3.86	0.545	0.940	-29.99	0.120	0.00	0.00	45.4	0.000
4/24/2025 12:00	16.4	7.62	254	3.76	165	0.00	-0.06	4.03	0.545	0.940	-16.62	0.120	0.00	0.00	45.4	0.000
4/24/2025 13:00	15.6	7.66	256	3.74	165	0.00	-0.06	3.84	0.545	0.940	-26.71	0.120	0.00	0.00	45.4	0.000
4/24/2025 14:00	15.6	7.71	259	3.74	165	0.00	-0.05	3.88	0.545	0.940	-24.55	0.120	0.00	0.00	45.4	0.000
4/24/2025 15:00	16.1	7.67	254	3.72	165	0.00	-0.04	3.98	0.545	0.940	-16.92	0.120	0.00	0.00	45.4	0.000
4/24/2025 16:00	14.4	7.62	253	3.72	165	0.00	-0.03	3.54	0.545	0.940	-44.79	0.120	0.00	0.00	45.4	0.000
4/24/2025 17:00	13.3	7.65	251	3.67	165	0.00	-0.02	3.28	0.545	0.940	-58.30	0.120	0.00	0.00	45.4	0.000
4/24/2025 18:00	14.2	7.78	261	3.65	165	0.00	-0.04	3.56	0.545	0.940	-37.57	0.120	0.00	0.00	45.4	0.000
4/24/2025 19:00	13.4	7.70	252	3.70	165	0.00	-0.04	3.31	0.545	0.940	-57.85	0.120	0.00	0.00	45.4	0.000
4/24/2025 20:00	15.1	7.77	259	3.70	165	0.00	-0.04	3.79	0.545	0.940	-27.49	0.120	0.00	0.00	45.4	0.000
4/24/2025 21:00	16.1	7.73	254	3.71	165	0.00	-0.05	4.00	0.545	0.940	-14.19	0.120	0.00	0.00	45.3	0.000
4/24/2025 22:00	15.7	7.86	260	3.68	165	0.00	-0.07	3.95	0.545	0.940	-15.13	0.120	0.00	0.00	45.3	0.000
4/24/2025 23:00	14.1	7.86	258	3.75	165	0.00	-0.07	3.56	0.545	0.940	-45.27	0.120	0.00	0.00	45.3	0.000
4/25/2025 0:00	16.5	7.75	255	3.74	165	0.00	-0.07	4.11	0.545	0.940	-10.15	0.120	0.00	0.00	45.3	0.000
4/25/2025 1:00	16.8	7.83	260	3.78	165	0.00	-0.07	4.23	0.545	0.940	-5.02	0.120	0.00	0.00	45.3	0.000
4/25/2025 2:00	17.9	7.85	261	3.78	165	0.00	-0.07	4.52	0.545	0.940	13.31	0.120	0.00	0.00	45.3	0.000
4/25/2025 3:00	18.3	7.72	251	3.78	165	0.00	-0.07	4.55	0.545	0.940	15.29	0.120	0.00	0.00	45.3	0.000
4/25/2025 4:00	17.7	7.65	247	3.81	165	0.00	-0.07	4.36	0.545	0.940	1.29	0.120	0.00	0.00	45.3	0.000
4/25/2025 5:00	16.5	7.74	247	3.79	170	0.00	-0.07	4.12	0.545	0.940	-12.61	0.120	0.00	0.00	45.3	0.000
4/25/2025 6:00	17.3	8.02	265	3.78	170	0.00	-0.07	4.47	0.545	0.940	9.69	0.120	0.00	0.00	45.3	0.000
4/25/2025 7:00	14.7	8.12	273	3.74	170	0.00	-0.07	3.84	0.545	0.940	-25.10	0.120	0.00	0.00	45.3	0.000
4/25/2025 8:00	14.2	8.09	269	3.74	171	0.00	-0.07	3.70	0.545	0.940	-34.21	0.120	0.00	0.00	45.3	0.000
4/25/2025 9:00	14.9	7.98	255	3.75	174	0.00	-0.07	3.83	0.545	0.940	-27.62	0.120	0.00	0.00	45.3	0.000
4/25/2025 10:00	18.3	7.89	250	3.78	174	0.00	-0.07	4.66	0.545	0.940	21.36	0.120	0.00	0.00	45.3	0.000
4/25/2025 11:00	18.7	7.67	237	3.78	174	0.00	-0.07	4.61	0.545	0.940	19.25	0.120	0.00	0.00	45.3	0.000
4/25/2025 12:00	21.2	7.59	234	3.82	174	0.00	0.04	5.18	0.545	0.940	53.99	0.120	0.00	0.00	45.3	0.000
4/25/2025 13:00	20.9	7.79	247	3.78	174	0.00	2.23	5.25	0.545	0.940	59.09	0.120	0.00	0.00	45.2	0.000
4/25/2025 14:00	21.1	7.58	235	3.76	174	0.00	5.74	5.14	0.545	0.940	56.68	0.120	0.00	0.00	45.2	0.000
4/25/2025 15:00	21.0	7.63	239	3.70	174	0.00	8.26	5.16	0.545	0.940	61.44	0.120	0.00	0.00	45.2	0.000
4/25/2025 16:00	21.6	7.78	249	3.73	174	0.00	8.88	5.42	0.545	0.940	74.69	0.120	0.00	0.00	45.2	0.000
4/25/2025 17:00	22.4	7.67	242	3.81	174	0.00	9.10	5.55	0.545	0.940	78.64	0.120	0.00	0.00	45.2	0.000
4/25/2025 18:00	24.7	7.92	257	3.86	174	0.00	9.21	6.29	0.545	0.940	119.01	0.120	5.03	0.00	45.2	0.000
4/25/2025 19:00	23.4	7.76	250	3.86	174	0.00	9.25	5.83	0.545	0.940	91.45	0.120	0.02	1.68	45.2	0.001
4/25/2025 20:00	24.0	7.97	267	3.83	174	0.00	9.22	6.15	0.545	0.940	109.99	0.120	2.83	1.68	45.2	0.001
4/25/2025 21:00	23.1	8.02	265	3.82	174	0.00	9.29	5.97	0.545	0.940	99.96	0.120	0.47	2.62	45.2	0.002
4/25/2025 22:00	22.0	7.93	257	3.85	174	0.00	9.31	5.62	0.545	0.940	78.20	0.120	0.00	1.10	45.2	0.001
4/25/2025 23:00	21.8	7.77	249	3.85	174	0.00	9.21	5.44	0.545	0.940	67.71	0.120	0.16	1.10	45.2	0.001
4/26/2025 0:00	25.4	7.34	227	3.83	174	0.00	9.32	6.01	0.545	0.940	112.15	0.010	89.34	0.21	45.2	0.000
4/26/2025 1:00	24.1	7.25	221	3.89	174	0.00	9.42	5.62	0.545	0.940	81.57	0.010	58.76	29.83	45.2	0.028
4/26/2025 2:00	23.6	7.38	227	3.97	174	0.00	9.22	5.61	0.545	0.940	73.97	0.010	51.39	49.42	45.2	0.047
4/26/2025 3:00	23.3	7.41	227	4.08	174	0.00	8.88	5.56	0.545	0.940	61.57	0.010	40.49	66.50	45.2	0.063
4/26/2025 4:00	24.2	7.42	226	4.18	174	0.00	9.01	5.78	0.545	0.940	69.26	0.010	46.44	50.21	45.2	0.048
4/26/2025 5:00	23.8	7.41	226	4.17	174	0.00	9.06	5.67	0.545	0.940	62.45	0.010	40.08	46.11	45.2	0.045
4/26/2025 6:00	24.1	7.15	211	4.12	172	0.00	7.88	5.55	0.545	0.940	60.14	0.010	39.95	42.34	45.2	0.041
4/26/2025 7:00	19.9	7.41	233	4.09	165	0.00	-0.05	4.73	0.545	0.940	4.65	0.010	3.47	42.16	45.2	0.041
4/26/2025 8:00	17.2	7.77	256	4.06	163	0.00	-0.05	4.31	0.545	0.940	-20.12	0.010	1.19	27.83	45.2	0.026
4/26/2025 9:00	18.3	7.75	252	4.04	165	0.00	-0.06	4.56	0.545	0.940	-2.99	0.010	1.60	14.87	45.2	0.014
4/26/2025 10:00	18.4	7.80	258	4.00	165	0.00	-0.07	4.63	0.545	0.940	4.26	0.010	3.13	2.09	45.2	0.002
4/26/2025 11:00	18.8	7.73	253	3.97	165	0.00	-0.07	4.68	0.545	0.940	10.23	0.010	6.69	1.97	45.2	0.002
4/26/2025 12:00	21.1	7.62	247	3.94	165	0.00	-0.06	5.19	0.545	0.940	44.89	0.010	26.61	3.81	45.2	0.003
4/26/2025 13:00	20.4	7.72	253	3.91	165	0.00	-0.06	5.07	0.545	0.940	39.02	0.010	21.09	12.14	45.2	0.011
4/26/2025 14:00	20.1	7.97	269	3.89	165	0.00	-0.06	5.15	0.545	0.940	43.49	0.010	24.13	18.13	45.2	0.015
4/26/2025 15:00	20.1	7.86	261	3.91	165	0.00	-0.05	5.08	0.545	0.940	39.19	0.010	20.24	23.94	45.2	0.020
4/26/2025 16:00	20.2	8.16	281	3.91	165	0.00	-0.05	5.30	0.545	0.940	49.93	0.010	28.46	21.82	45.1	0.018
4/26/2025 17:00	19.9	8.18	284	3.90	165	0.00	-0.07	5.24	0.545	0.940	47.13	0.010	25.34	24.28	45.1	0.020
4/26/2025 18:00	19.7	8.31	289	3.88	165	0.00	-0.07	5.27	0.545	0.940	49.30	0.010	27.93	24.68	45.1	0.021
4/26/2025 19:00	19.5	8.06	271	3.87	165	0.00	-0.07	5.06	0.545	0.940	39.41	0.010	19.87	27.24	45.1	0.024
4/26/2025 20:00	19.1	7.96	265	3.89	165	0.00	-0.07	4.90	0.545	0.940	28.25	0.010	12.56	24.38	45.1	0.022
4/26/2025 21:00	19.8	7.90	261	3.87	165	0.00	-0.08	5.03	0.545	0.940	37.98	0.010	19.52	20.12	45.1	0.019
4/26/2025 22:00	19.3	7.83	256	3.87	165	0.00	-0.08	4.87	0.545	0.940	29.46	0.010	13.89	17.32	45.1	0.016
4/26/2025 23:00	19.1	7.83	251	3.90	165	0.00	-0.08	4.81	0.545	0.940	22.77	0.010	11.54	15.33	45.1	0.015
4/27/2025 0:00	19.5	7.70	248	3.92	165	0.00	-0.08	4.84	0.545	0.940	24.00	0.010	9.28	14.99	45.1	0.015
4/27/2025 1:00	18.7	7.74	248	3.91	165	0.00	-0.08	4.65	0.545	0.940	12.39	0.010	6.48	11.57	45.1	0.011
4/27/2025 2:00	19.4	7.72	247	3.93	165	0.00	-0.08	4.81	0.545	0.940	21.72	0.010	10.65	9.10	45.1	0.009
4/27/2025 3:00	18.2	7.80	253	3.88	165	0.00	-0.08	4.56	0.545	0.940	8.68	0.010	5.30	8.80	45.1	0.009
4/27/2025 4:00	17.7	7.78	253	3.92	165	0.00	-0.08	4.42	0.545	0.940	-3.11	0.010	1.80	7.47	45.1	0.007
4/27/2025 5:00	17.4	7.83	254	3.92	165	0.00	-0.07	4.40	0.545	0.940	-4.93	0.010	2.81	5.91	45.1	0.006
4/27/2025 6:00	18.2	7.76	250	3.95	165	0.00	-0.07	4.54	0.545	0.940	1.81	0.010	2.38	3.30	45.1	0.003
4/27/2025 7:00	17.6	7.65	242	3.91	165	0.00	-0.08	4.33	0.545	0.940	-8.18	0.010	2.69	2.33	45.1	0.002
4/27/2025 8:00	16.9	7.80	253	3.96	165	0.00	-0.08	4.23	0.545	0.940	-17.89	0.010	1.78	2.63	45.1	0.003
4/27/2025 9:00	16.5	7.87	261	3.98	165	0.00	-0.07	4.17	0.545	0.940	-22.69	0.010	0.89	2.28	45.1	0.002
4/27/2025 10:00	16.1	7.64	247	3.98	165	0.00	-0.06	3.97	0.545	0.940	-36.53	0.010	0.00	1.79	45.1	0.002

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
4/27/2025 11:00	15.0	7.71	253	3.94	165	0.00	-0.06	3.71	0.545	0.940	-49.36	0.010	0.00	0.89	45.1	0.001
4/27/2025 12:00	15.2	7.58	246	3.89	165	0.00	-0.06	3.70	0.545	0.940	-47.29	0.010	0.00	0.30	45.0	0.000
4/27/2025 13:00	14.5	7.53	242	3.86	165	0.00	-0.06	3.51	0.545	0.940	-58.69	0.010	0.12	0.00	45.0	0.000
4/27/2025 14:00	13.8	7.57	246	3.81	165	0.00	-0.05	3.36	0.545	0.940	-63.93	0.010	0.00	0.04	45.0	0.000
4/27/2025 15:00	13.9	7.59	247	3.78	165	0.00	-0.04	3.40	0.545	0.940	-58.79	0.010	0.45	0.04	45.0	0.000
4/27/2025 16:00	13.2	7.69	253	3.75	165	0.00	-0.03	3.27	0.545	0.940	-64.75	0.010	0.11	0.19	45.0	0.000
4/27/2025 17:00	12.9	7.73	256	3.72	165	0.00	-0.03	3.22	0.545	0.940	-64.74	0.010	0.00	0.19	45.0	0.000
4/27/2025 18:00	13.2	7.65	248	3.74	165	0.00	-0.04	3.24	0.545	0.940	-65.66	0.010	0.00	0.19	45.0	0.000
4/27/2025 19:00	13.0	7.68	251	3.73	165	0.00	-0.04	3.22	0.545	0.940	-66.12	0.010	0.00	0.04	45.0	0.000
4/27/2025 20:00	12.4	7.95	267	3.71	165	0.00	-0.05	3.16	0.545	0.940	-66.05	0.010	0.00	0.00	45.0	0.000
4/27/2025 21:00	13.0	7.94	267	3.68	165	0.00	-0.05	3.31	0.545	0.940	-54.72	0.010	0.00	0.00	45.0	0.000
4/27/2025 22:00	12.8	7.92	277	3.61	165	0.00	-0.07	3.27	0.545	0.940	-51.47	0.010	0.00	0.00	45.0	0.000
4/27/2025 23:00	12.8	7.64	265	3.58	165	0.00	-0.07	3.16	0.545	0.940	-57.50	0.010	0.00	0.00	45.0	0.000
4/28/2025 0:00	13.5	7.66	266	3.63	165	0.00	-0.07	3.34	0.545	0.940	-50.12	0.010	0.00	0.00	45.0	0.000
4/28/2025 1:00	13.0	7.55	255	3.63	165	0.00	-0.08	3.17	0.545	0.940	-61.80	0.010	0.00	0.00	45.0	0.000
4/28/2025 2:00	12.7	7.81	269	3.73	165	0.00	-0.08	3.20	0.545	0.940	-64.86	0.010	0.00	0.00	45.0	0.000
4/28/2025 3:00	12.2	7.90	269	3.85	165	0.00	-0.08	3.11	0.545	0.940	-78.94	0.010	0.00	0.00	45.0	0.000
4/28/2025 4:00	12.8	7.89	265	3.90	165	0.00	-0.08	3.24	0.545	0.940	-74.52	0.010	0.00	0.00	44.9	0.000
4/28/2025 5:00	13.1	7.70	250	3.91	165	0.00	-0.08	3.26	0.545	0.940	-77.47	0.010	0.00	0.00	44.9	0.000
4/28/2025 6:00	13.8	7.55	236	3.92	165	0.00	-0.07	3.35	0.545	0.940	-74.20	0.010	0.00	0.00	44.9	0.000
4/28/2025 7:00	16.0	7.38	226	4.00	165	0.00	-0.08	3.79	0.545	0.940	-52.19	0.010	0.01	0.00	44.9	0.000
4/28/2025 8:00	17.1	7.60	242	4.02	165	0.00	-0.08	4.19	0.545	0.940	-25.58	0.010	0.12	0.00	44.9	0.000
4/28/2025 9:00	17.7	7.47	240	4.04	165	0.00	-0.08	4.27	0.545	0.940	-22.49	0.010	0.73	0.04	44.9	0.000
4/28/2025 10:00	17.9	7.52	247	4.02	165	0.00	-0.06	4.33	0.545	0.940	-16.43	0.010	0.81	0.29	44.9	0.000
4/28/2025 11:00	18.9	7.45	238	4.06	165	0.00	-0.06	4.52	0.545	0.940	-7.31	0.010	1.46	0.56	44.9	0.000
4/28/2025 12:00	18.0	7.46	240	4.09	165	0.00	-0.06	4.33	0.545	0.940	-22.04	0.010	0.95	1.00	44.9	0.001
4/28/2025 13:00	17.3	7.35	239	4.13	165	0.00	-0.06	4.08	0.545	0.940	-41.28	0.010	0.00	1.07	44.9	0.001
4/28/2025 14:00	16.9	7.44	245	4.13	165	0.00	-0.06	4.04	0.545	0.940	-43.12	0.010	0.00	0.80	44.9	0.001
4/28/2025 15:00	17.1	7.42	239	4.12	165	0.00	-0.05	4.08	0.545	0.940	-40.89	0.010	0.00	0.32	44.9	0.000
4/28/2025 16:00	17.5	7.33	231	4.11	165	0.00	-0.03	4.13	0.545	0.940	-37.66	0.010	0.00	0.00	44.9	0.000
4/28/2025 17:00	18.0	7.38	236	4.13	165	0.00	-0.04	4.29	0.545	0.940	-27.96	0.010	0.35	0.00	44.9	0.000
4/28/2025 18:00	19.0	7.50	244	4.16	165	0.00	-0.05	4.59	0.545	0.940	-9.84	0.010	2.22	0.12	44.9	0.000
4/28/2025 19:00	19.0	7.61	248	4.14	165	0.00	-0.05	4.66	0.545	0.940	-4.24	0.010	3.02	0.86	44.9	0.001
4/28/2025 20:00	18.9	7.69	244	4.14	169	0.00	-0.07	4.67	0.545	0.940	-3.51	0.010	1.00	1.87	44.8	0.001
4/28/2025 21:00	19.8	7.89	251	4.15	171	0.00	-0.07	5.03	0.545	0.940	18.71	0.010	11.83	2.08	44.8	0.002
4/28/2025 22:00	18.9	8.05	256	4.22	174	0.00	-0.08	4.89	0.545	0.940	4.88	0.010	4.19	5.28	44.8	0.004
4/28/2025 23:00	19.4	7.95	249	4.24	174	0.00	-0.08	4.97	0.545	0.940	8.70	0.010	4.71	5.67	44.8	0.005
4/29/2025 0:00	22.3	7.97	250	4.34	174	0.00	-0.08	5.73	0.545	0.940	48.87	0.100	93.07	6.91	44.8	0.006
4/29/2025 1:00	21.4	7.78	239	4.39	174	0.00	-0.08	5.36	0.545	0.940	22.69	0.100	67.41	33.99	44.8	0.030
4/29/2025 2:00	22.6	7.81	247	4.44	170	0.00	-0.08	5.69	0.545	0.940	40.02	0.100	84.22	55.06	44.8	0.049
4/29/2025 3:00	21.6	7.70	240	4.46	170	0.00	-0.08	5.36	0.545	0.940	17.62	0.100	61.87	81.57	44.9	0.073
4/29/2025 4:00	22.0	7.78	247	4.44	170	0.00	-0.08	5.50	0.545	0.940	27.70	0.100	71.90	71.17	44.9	0.064
4/29/2025 5:00	21.9	7.53	227	4.45	174	0.00	-0.08	5.31	0.545	0.940	15.04	0.100	59.55	72.66	44.9	0.065
4/29/2025 6:00	22.2	7.61	233	4.49	174	0.00	-0.08	5.43	0.545	0.940	20.02	0.100	64.22	64.44	44.9	0.058
4/29/2025 7:00	19.2	7.68	238	4.44	174	0.00	-0.08	4.74	0.545	0.940	-20.65	0.100	25.63	65.22	44.9	0.059
4/29/2025 8:00	17.2	7.72	242	4.36	174	0.00	-0.08	4.28	0.545	0.940	-44.64	0.100	9.85	49.80	44.9	0.044
4/29/2025 9:00	17.1	7.46	227	4.35	174	0.00	-0.06	4.11	0.545	0.940	-56.37	0.100	5.60	33.23	44.8	0.029
4/29/2025 10:00	16.8	7.62	235	4.39	174	0.00	-0.06	4.12	0.545	0.940	-57.33	0.100	4.69	13.69	44.8	0.011
4/29/2025 11:00	16.6	7.63	235	4.49	174	0.00	-0.05	4.08	0.545	0.940	-67.53	0.100	3.91	6.71	44.8	0.005
4/29/2025 12:00	16.9	7.73	242	4.51	174	-0.01	-0.05	4.20	0.545	0.940	-60.84	0.100	6.89	4.74	44.8	0.004
4/29/2025 13:00	15.9	7.73	243	4.53	174	-0.01	-0.03	3.96	0.545	0.940	-76.61	0.100	2.09	5.17	44.8	0.004
4/29/2025 14:00	14.4	7.68	241	4.43	174	-0.01	-0.03	3.56	0.545	0.940	-95.88	0.100	0.45	4.30	44.8	0.003
4/29/2025 15:00	14.3	7.81	248	4.33	174	-0.01	-0.03	3.59	0.545	0.940	-84.78	0.100	1.45	3.15	44.8	0.002
4/29/2025 16:00	14.2	7.83	250	4.29	174	-0.01	-0.01	3.57	0.545	0.940	-82.87	0.100	1.95	1.33	44.8	0.001
4/29/2025 17:00	13.1	7.92	253	4.30	174	-0.01	-0.01	3.35	0.545	0.940	-96.72	0.100	0.54	1.29	44.8	0.001
4/29/2025 18:00	14.4	8.00	269	4.31	174	-0.01	-0.03	3.70	0.545	0.940	-73.05	0.100	0.98	1.32	44.8	0.001
4/29/2025 19:00	14.0	7.97	264	4.30	174	-0.01	-0.04	3.61	0.545	0.940	-78.70	0.100	1.19	1.16	44.8	0.001
4/29/2025 20:00	15.5	7.83	249	4.31	174	0.00	-0.05	3.90	0.545	0.940	-63.95	0.100	3.44	0.91	44.8	0.001
4/29/2025 21:00	16.9	7.88	248	4.33	174	0.00	-0.05	4.30	0.545	0.940	-40.36	0.100	12.93	1.87	44.8	0.001
4/29/2025 22:00	17.2	7.92	245	4.29	174	0.00	-0.07	4.38	0.545	0.940	-33.15	0.100	17.79	5.85	44.8	0.005
4/29/2025 23:00	16.8	8.01	248	4.34	174	0.00	-0.08	4.34	0.545	0.940	-38.35	0.100	14.26	11.38	44.8	0.011
4/30/2025 0:00	17.4	7.91	242	4.38	174	0.00	-0.08	4.43	0.545	0.940	-36.14	0.100	14.45	14.99	44.8	0.014
4/30/2025 1:00	17.6	7.81	236	4.41	174	0.00	-0.08	4.43	0.545	0.940	-38.91	0.100	11.38	15.50	44.8	0.015
4/30/2025 2:00	17.4	7.95	244	4.43	174	0.00	-0.07	4.46	0.545	0.940	-37.92	0.100	13.28	13.36	44.8	0.013
4/30/2025 3:00	16.4	7.92	240	4.42	174	0.00	-0.07	4.19	0.545	0.940	-54.96	0.100	5.66	13.03	44.8	0.013
4/30/2025 4:00	15.9	7.73	229	4.43	174	0.00	-0.08	3.97	0.545	0.940	-71.42	0.100	1.80	10.10	44.7	0.010
4/30/2025 5:00	17.0	7.77	233	4.52	174	0.00	-0.09	4.24	0.545	0.940	-59.86	0.100	4.42	6.91	44.7	0.007
4/30/2025 6:00	17.2	7.72	234	4.50	170	0.00	-0.09	4.29	0.545	0.940	-56.06	0.100	6.83	3.96	44.7	0.004
4/30/2025 7:00	18.3	7.90	251	4.44	165	0.00	-0.09	4.65	0.545	0.940	-26.81	0.100	19.72	4.35	44.7	0.005
4/30/2025 8:00	17.1	7.93	254	4.30	165	0.00	-0.09	4.37	0.545	0.940	-33.58	0.100	14.63	10.32	44.7	0.011
4/30/2025 9:00	16.7	7.70	238	4.19	165	0.00	-0.09	4.13	0.545	0.940	-42.84	0.100	10.94	13.73	44.7	0.015
4/30/2025 10:00	16.1	7.55	232	4.08	165	0.00	-0.08	3.92	0.545	0.940	-49.23	0.100	9.87	15.10	44.7	0.016
4/30/2025 11:00	17.9	7.84	253	4.00	165	0.00	-0.08	4.51	0.545	0.940	-3.54	0.100	41.75	11.82	44.7	0.012
4/30/2025 12:00	18.1	7.55	232	3.97	165	0.00	-0.08	4.41	0.545	0.940	-8.04	0.100	39.58	20.86	44.7	0.019
4/30/2025 13:00	16.4	8.04	269	3.95	165	0.00	-0.07	4.25	0.545	0.940	-15.36	0.100	30.85	30.40	44.7	0.026
4/30/2025 14:00	15.5	8.20	282	3.96	165	0.00	-0.06	4.08	0.545	0.940	-25.93	0.100	22.16	37.39	44.7	0.032
4/30/2025 15:00	15.2	8.27	287	3.91	165	0.00	-0.06	4.06	0.545	0.940	-23.53	0.100	24.41	30.86	44.7	0.026
4/30/2025 16:00	15.7	7.87	259	3.90	165	0.00	-0.04	3.97	0.545	0.940	-29.89	0.100	17.50	25.81	44.7	0.021
4/30/2025 17:00	15.6	7.68	246	3.86	165	0.00	-0.05	3.86	0.545	0.940	-35.59	0.100	15.47	21.36	44.7	0.017
4/30/2025 18:00	16.3	7.80	253	3.87	165	0.00	-0.05	4.08	0.545	0.940	-20.43	0.100	29.75	19.12	44.7	0.016
4/30/2025 19:00	14.0	7.99	266	3.85	165	0.00	-0.07	3.60	0.545	0.940	-48.83	0.100	8.67	20.90	44.7	0.018
4/30/2025 20:00	13.7	7.99	279	3.85	165	0.00	-0.08	3.52	0.545	0.940	-52.40	0.100	8.14	17.96	44.7	0.016
4/30/2025 21:00	12.7	8.03	279	3.76	165	0.00	-0.08	3.29	0.545	0.940	-60.15	0.100	4.72	15.52	44.7	0.014
4/30/2025 22:00	12.8	8.47	292	3.70	165	0.00	-0.08	3.48	0.545	0.940	-43.21	0.100	11.30	7.18	44.7	0.007
4/30/2025 23:00	15.3	8.15	282	3.70	165	0.00	-0.08	4.01	0.545	0.940	-11.94	0.100	33.54	8.05	44.7	0.007
5/1/2025 0:00	17.3	7.89	264	3.72	165	0.00	-0.08	4.40	0.545	0.940	9.82	1.740	17.26	16.52	44.7	0.015
5/1/2025 1:00	16.1	8.09	274	3.72	165	0.00	-0.08	4.19	0.545	0.940	-3.31	1.740	13.15	20.70	44.7	0.019
5/1/2025 2:00	16.8	8.28	280	3.78	165	0.00	-0.08	4.48	0.545	0.940	10.21	1.740	20.04	21.32	44.7	0.020
5/1/2025 3:00	17.9	8.26	279	3.76	165	0.00	-0.08	4.76	0.545	0.940	28.54	1.740	35.25	16.82	44.7	0.016
5/1/2025 4:00	17.5	8.31	288	3.80	165	0.00	-0.08	4.69	0.545	0.940	20.67	1.740	27.20	22.81	44.7	0.022
5/1/2025 5:00	18.7	8.18	277	3.89	165	0.00	-0.08	4.93	0.545	0.940	30.24	1.740	35.41	27.50	44.7	0.026
5/1/2025 6:00	22.2	8.27	285	3.92	165	0.00	-0.08	5.91	0.545	0.940	85.30	1.740	90.20	32.62	44.7	0.031
5/1/2025 7:00	19.0	8.24	284	3.94	165	0.00	-0.08	5.05	0.545	0.940	33.39	1.740	43.65	50.94	44.7	0.048
5/1/2025 8:00	15.1	8.58	307	3.89	165	0.00	-0.08	4.16	0.545	0.940	-15.64	1.740	5.40	56.42	44.7	0.053
5/1/2025 9:00	15.8	8.67	314	3.87	165	0.00	-0.08	4.41	0.545	0.940	-0.05	1.740	12.81	46.42	44.7	0.044
5/1/2025 10:00	17.7	8.24	288	3.84	165	0.00	-0.08	4.70	0.545	0.940	19.06	1.740	25.21	20.62	44.7	0.020
5/1/2025 11:00	19.5	8.17	286	3.90	165	0.00	-0.08	5.12	0.545	0.940	39.66	1.740	44.61	14.47	44.7	0.014
5/1/2025 12:00	23.0	7.99	273	3.89	165	0.00	-0.08	5.91	0.545	0.940	89.71	1.740	94.61	27.54	44.7	0.026
5/1/2025 13:00	21.7	8.09	289	3.91	165	0.00	-0.08	5.65	0.545	0.940	70.14	1.740	75.04	54.81	44.7	0.052
5/1/2025 14:00	20.3	7.99	285	3.92	165	0.00	-0.07	5.23	0.545	0.940	44.86	1.740	49.83	71.42	44.7	0.068
5/1/2025 15:00	21.4	8.15	297	3.90	165	0.00	-0.07	5.61	0.545	0.940	66.99	1.740	71.89	73.16	44.7	0.069
5/1/2025 16:00	23.1	8.20	305	3.91	165	0.00	-0.07	6.11	0.545	0.940	93.42	1.740	98.32	65.59	44.7	0.062
5/1/2025 17:00	21.1	8.19	303	3.87	165	0.00	-0.07	5.58	0.545	0.940	65.97	1.740	70.88	73.35	44.7	0.069
5/1/2025 18:00	25.8	8.17	308	3.84	165	0.00	-0.08	6.80	0.545	0.940	135.96	1.740	140.86	80.36	44.7	0.077
5/1/2025 19:00	20.3	8.05	307	3.91	165	0.00	-0.08	5.27	0.545	0.940	45.97	1.740	50.92	103.35	44.7	0.099
5/1/2025 20:00	20.6	8.03	301	3.98	165	0.00	-0.08	5.31	0.545	0.940	44.01	1.740	48.93	87.55	44.7	0.084
5/1/2025 21:00	21.0	8.04	304	3.97	165	0.00	-0.08	5.42	0.545	0.940	50.59	1.740	56.09	80.24	44.7	0.077
5/1/2025 22:00	19.5	8.45	316	3.96	165	0.00	-0.08	5.30	0.545	0.940	43.41	1.740	48.66	51.98	44.7	0.050
5/1/2025 23:00	21.9	8.24	310	3.94	165	0.00	-0.08	5.81	0.545	0.940	73.77	1.740	78.67	51.23	44.7	0.049
5/2/2025 0:00	25.1	7.96	284	3.92	165	0.00	-0.09	6.43	0.545	0.940	115.79	1.740	120.69	61.14	44.7	0.059
5/2/2025 1:00	23.7	8.10	304	3.90	165	0.00	-0.09	6.17	0.545	0.940	98.18	1.740	103.08	82.68	44.7	0.080
5/2/2025 2:00	22.4	8.05	301	3.89	165	0.00	-0.09	5.80	0.545	0.940	77.81	1.740	82.72	100.82	44.7	0.098
5/2/2025 3:00	22.2	8.04	299	3.89	165	0.00	-0.09	5.74	0.545	0.940	74.98	1.740	79.88	102.16	44.7	0.099
5/2/2025 4:00	20.4	8.31	321	3.87	165	0.00	-0.10	5.46	0.545	0.940	57.59	1.740	62.49	88.56	44.7	0.086
5/2/2025 5:00	19.2	8.23	319	3.84	165	0.00	-0.11	5.10	0.545	0.940	39.54	1.740	45.02	75.03	44.7	0.073
5/2/2025 6:00	21.4	7.85	295	3.84	165	0.00	-0.11	5.41	0.545	0.940	59.66	1.740	64.56	62.46	44.7	0.061
5/2/2025 7:00	16.8	7.74	287	3.78	165	0.00	-0.09	4.18	0.545	0.940	-7.04	1.740	11.56	57.36	44.7	0.056
5/2/2025 8:00	15.0	7.62	278	3.68	165	0.00	-0.06	3.67	0.545	0.940	-31.26	1.740	2.67	40.38	44.7	0.039
5/2/2025 9:00	13.9	7.67	287	3.59	165	0.00	-0.06	3.44	0.545	0.940	-38.99	1.740	2.71	26.26	44.7	0.024
5/2/2025 10:00	13.0	7.84	300	3.53	165	0.00	-0.04	3.27	0.545	0.940	-43.36	1.740	0.72	5.65	44.7	0.005
5/2/2025 11:00	11.2	7.90	302	3.47	165	0.00	-0.03	2.85	0.545	0.940	-62.71	1.740	0.00	2.03	44.7	0.002
5/2/2025 12:00	11.7	7.93	300	3.46	165	0.00	-0.03	2.98	0.545	0.940	-55.26	1.740	0.32	1.14	44.7	0.001
5/2/2025 13:00	10.7	7.93	300	3.45	165	0.00	-0.03	2.74	0.545	0.940	-68.67	1.740	0.00	0.35	44.7	0.000
5/2/2025 14:00	9.2	7.95	294	3.43	165	0.00	-0.03	2.37	0.545	0.940	-90.06	1.740	0.00	0.11	44.7	0.000
5/2/2025 15:00	9.0	7.96	290	3.44	165	0.00	-0.02	2.31	0.545	0.940	-94.72	1.740	0.00	0.11	44.7	0.000
5/2/2025 16:00	8.7	8.01	292	3.42	165	0.00	-0.02	2.24	0.545	0.940	-97.12	1.740	0.00	0.00	44.7	0.000
5/2/2025 17:00	8.6	8.00	289	3.41	165	0.00	-0.02	2.22	0.545	0.940	-97.62	1.740	0.00	0.00	44.7	0.000

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/2/2025 18:00	9.5	8.24	297	3.38	170	0.00	-0.02	2.51	0.545	0.940	-76.73	1.740	0.00	0.00	44.7	0.000
5/2/2025 19:00	9.2	8.06	274	3.36	174	0.00	-0.03	2.38	0.545	0.940	-86.62	1.740	0.00	0.00	44.7	0.000
5/2/2025 20:00	9.4	8.14	277	3.35	174	0.00	-0.04	2.46	0.545	0.940	-80.44	1.740	0.00	0.00	44.7	0.000
5/2/2025 21:00	9.2	8.40	298	3.31	174	0.00	-0.05	2.49	0.545	0.940	-72.28	1.740	0.01	0.00	44.6	0.000
5/2/2025 22:00	10.1	8.35	292	3.30	177	0.00	-0.06	2.73	0.545	0.940	-58.85	1.740	0.25	0.00	44.6	0.000
5/2/2025 23:00	9.7	8.82	304	3.36	179	0.00	-0.06	2.75	0.545	0.940	-59.30	0.010	12.49	0.09	44.6	0.000
5/3/2025 0:00	12.4	8.42	292	3.36	179	0.00	-0.06	3.36	0.545	0.940	-27.00	0.010	35.84	4.25	44.6	0.003
5/3/2025 1:00	13.1	8.22	278	3.35	179	0.00	-0.06	3.48	0.545	0.940	-20.26	0.010	42.15	16.19	44.6	0.014
5/3/2025 2:00	13.5	8.09	268	3.37	179	0.00	-0.06	3.50	0.545	0.940	-20.24	0.010	43.03	30.16	44.6	0.026
5/3/2025 3:00	13.6	7.99	260	3.37	179	0.00	-0.06	3.49	0.545	0.940	-21.59	0.010	41.63	40.34	44.6	0.036
5/3/2025 4:00	14.4	8.09	267	3.34	179	0.00	-0.06	3.75	0.545	0.940	-3.74	0.010	59.34	42.27	44.6	0.038
5/3/2025 5:00	13.9	8.08	264	3.32	179	0.00	-0.07	3.62	0.545	0.940	-10.13	0.010	52.45	48.00	44.6	0.044
5/3/2025 6:00	14.6	8.05	262	3.29	179	0.00	-0.07	3.79	0.545	0.940	2.62	0.010	65.00	51.14	44.6	0.047
5/3/2025 7:00	15.0	8.13	268	3.29	179	0.00	-0.06	3.93	0.545	0.940	10.68	0.010	73.07	58.93	44.6	0.054
5/3/2025 8:00	15.3	8.18	273	3.30	179	0.00	-0.06	4.02	0.545	0.940	14.81	0.010	77.20	63.51	44.6	0.058
5/3/2025 9:00	15.6	8.00	261	3.32	179	0.00	-0.06	4.03	0.545	0.940	14.68	0.010	77.09	71.76	44.7	0.065
5/3/2025 10:00	16.5	7.96	260	3.29	179	0.00	-0.06	4.24	0.545	0.940	29.15	0.010	91.54	75.79	44.7	0.069
5/3/2025 11:00	16.1	7.97	260	3.29	179	0.00	-0.06	4.12	0.545	0.940	22.38	0.010	84.77	81.94	44.7	0.074
5/3/2025 12:00	18.9	7.97	260	3.33	179	0.00	-0.07	4.86	0.545	0.940	64.29	0.010	126.68	84.47	44.7	0.078
5/3/2025 13:00	19.5	7.99	264	3.31	179	0.00	-0.07	5.01	0.545	0.940	74.56	0.010	136.94	100.99	44.7	0.096
5/3/2025 14:00	19.3	8.00	263	3.30	179	0.00	-0.06	4.97	0.545	0.940	72.79	0.010	135.18	116.13	44.7	0.115
5/3/2025 15:00	18.3	8.21	279	3.29	179	0.00	-0.06	4.84	0.545	0.940	63.36	0.010	125.75	132.93	44.7	0.134
5/3/2025 16:00	16.9	8.14	271	3.26	179	0.00	-0.05	4.42	0.545	0.940	41.63	0.010	104.02	132.62	44.7	0.134
5/3/2025 17:00	16.2	8.09	268	3.22	179	0.00	-0.05	4.21	0.545	0.940	32.34	0.010	94.73	121.65	44.7	0.124
5/3/2025 18:00	16.7	8.31	283	3.21	179	0.00	-0.06	4.46	0.545	0.940	45.50	0.010	107.89	108.16	44.7	0.112
5/3/2025 19:00	15.5	8.30	280	3.21	179	0.00	-0.07	4.15	0.545	0.940	28.38	0.010	90.76	102.21	44.7	0.109
5/3/2025 20:00	13.0	8.44	292	3.18	179	0.00	-0.07	3.54	0.545	0.940	-5.35	0.010	57.13	97.79	44.7	0.108
5/3/2025 21:00	12.0	8.27	275	3.12	179	0.00	-0.06	3.19	0.545	0.940	-21.62	0.010	41.81	85.26	44.7	0.098
5/3/2025 22:00	12.4	8.36	275	3.08	179	0.00	-0.06	3.35	0.545	0.940	-9.79	0.010	52.59	63.23	44.7	0.074
5/3/2025 23:00	13.4	8.20	280	3.08	179	0.00	-0.06	3.53	0.545	0.940	0.75	0.010	63.13	50.51	44.7	0.063
5/4/2025 0:00	14.1	8.37	287	3.13	179	0.00	-0.06	3.80	0.545	0.940	12.92	0.010	75.31	52.51	44.8	0.067
5/4/2025 1:00	13.4	8.28	283	3.17	179	0.00	-0.06	3.57	0.545	0.940	-2.69	0.010	59.70	63.68	44.8	0.083
5/4/2025 2:00	13.2	8.33	286	3.20	179	0.00	-0.06	3.53	0.545	0.940	-6.76	0.010	55.78	66.05	44.8	0.083
5/4/2025 3:00	13.0	8.35	288	3.23	179	0.00	-0.06	3.49	0.545	0.940	-10.74	0.010	51.72	63.60	44.8	0.078
5/4/2025 4:00	12.5	8.15	273	3.21	179	0.00	-0.06	3.27	0.545	0.940	-22.75	0.010	39.74	55.74	44.8	0.067
5/4/2025 5:00	12.1	8.23	274	3.24	181	0.00	-0.06	3.21	0.545	0.940	-28.45	0.010	34.31	49.08	44.8	0.059
5/4/2025 6:00	13.6	8.31	278	3.20	183	0.00	-0.06	3.64	0.545	0.940	-0.26	0.010	62.43	41.92	44.8	0.051
5/4/2025 7:00	12.8	8.37	281	3.19	184	0.00	-0.06	3.44	0.545	0.940	-11.35	0.010	51.54	45.49	44.8	0.057
5/4/2025 8:00	14.1	8.34	280	3.22	184	0.00	-0.06	3.78	0.545	0.940	6.40	0.010	68.78	49.42	44.8	0.063
5/4/2025 9:00	15.6	8.28	278	3.25	183	0.00	-0.06	4.16	0.545	0.940	26.51	0.010	88.90	60.92	44.8	0.078
5/4/2025 10:00	16.6	8.50	291	3.22	187	0.00	-0.06	4.55	0.545	0.940	49.01	0.010	111.39	69.74	44.8	0.090
5/4/2025 11:00	16.0	8.60	295	3.19	188	0.00	-0.07	4.44	0.545	0.940	43.75	0.010	106.13	89.69	44.8	0.116
5/4/2025 12:00	17.4	8.65	302	3.15	188	0.00	-0.07	4.84	0.545	0.940	67.77	0.010	130.16	102.14	44.8	0.133
5/4/2025 13:00	16.0	8.39	282	3.15	188	0.00	-0.07	4.32	0.545	0.940	41.36	0.010	103.74	115.90	44.8	0.152
5/4/2025 14:00	16.7	8.40	284	3.16	188	0.00	-0.06	4.51	0.545	0.940	50.91	0.010	113.30	113.35	44.8	0.150
5/4/2025 15:00	17.3	8.45	289	3.23	188	0.00	-0.05	4.70	0.545	0.940	56.99	0.010	119.38	115.73	44.8	0.155
5/4/2025 16:00	18.5	8.38	281	3.21	188	0.00	-0.05	5.00	0.545	0.940	76.15	0.010	138.54	112.14	44.8	0.153
5/4/2025 17:00	19.8	8.39	282	3.18	188	0.00	-0.06	5.36	0.545	0.940	98.19	0.010	160.57	123.74	44.9	0.171
5/4/2025 18:00	21.0	8.37	281	3.17	188	0.00	-0.06	5.67	0.545	0.940	116.38	0.010	178.76	139.50	44.9	0.194
5/4/2025 19:00	20.4	8.39	281	3.13	188	0.00	-0.06	5.52	0.545	0.940	110.59	0.010	172.98	159.29	44.9	0.222
5/4/2025 20:00	21.1	8.45	288	3.12	188	0.00	-0.06	5.74	0.545	0.940	122.35	0.010	184.74	170.77	44.9	0.238
5/4/2025 21:00	21.6	8.57	297	3.12	188	0.00	-0.06	5.96	0.545	0.940	131.97	0.010	194.35	178.83	44.9	0.250
5/4/2025 22:00	21.8	8.42	286	3.15	188	0.00	-0.06	5.90	0.545	0.940	130.01	0.010	192.39	184.02	44.9	0.258
5/4/2025 23:00	21.5	8.57	285	3.15	188	0.00	-0.06	5.94	0.545	0.940	131.97	0.010	194.35	190.49	45.0	0.268
5/5/2025 0:00	27.8	8.53	271	3.16	188	0.00	-0.06	7.63	0.534	0.944	237.60	0.010	299.98	193.70	45.0	0.272
5/5/2025 1:00	25.7	8.45	275	3.19	188	0.00	-0.06	7.00	0.534	0.944	197.07	0.010	259.45	228.91	45.0	0.316
5/5/2025 2:00	26.0	8.31	274	3.19	188	0.00	-0.06	6.97	0.534	0.944	195.82	0.010	258.20	251.26	45.1	0.341
5/5/2025 3:00	26.4	8.37	278	3.15	188	0.00	-0.06	7.11	0.534	0.944	204.68	0.010	267.07	272.55	45.1	0.365
5/5/2025 4:00	24.8	8.31	275	3.14	188	0.00	-0.07	6.63	0.534	0.944	178.75	0.010	241.13	261.58	45.1	0.350
5/5/2025 5:00	24.6	8.42	282	3.18	188	0.00	-0.06	6.66	0.534	0.944	175.65	0.010	238.04	255.47	45.1	0.342
5/5/2025 6:00	27.0	8.38	280	3.13	188	0.00	-0.06	7.27	0.534	0.944	213.89	0.010	276.28	248.75	45.2	0.334
5/5/2025 7:00	18.9	8.45	285	3.13	188	0.00	-0.06	5.13	0.534	0.944	93.06	0.010	155.54	251.82	45.2	0.338
5/5/2025 8:00	11.6	8.86	317	3.11	188	0.00	-0.06	3.30	0.534	0.944	-10.05	0.010	52.76	223.29	45.2	0.299
5/5/2025 9:00	10.4	8.91	321	3.13	188	0.00	-0.06	2.98	0.534	0.944	-27.67	0.010	34.99	161.53	45.2	0.216
5/5/2025 10:00	12.1	8.93	321	3.18	188	0.00	-0.06	3.47	0.534	0.944	-4.74	0.010	57.65	81.10	45.2	0.109
5/5/2025 11:00	13.0	8.89	320	3.19	188	0.00	-0.06	3.72	0.534	0.944	7.51	0.010	69.90	48.46	45.2	0.066
5/5/2025 12:00	14.8	8.93	324	3.15	188	0.00	-0.06	4.26	0.534	0.944	38.43	0.010	100.82	54.18	45.2	0.074
5/5/2025 13:00	16.0	8.90	319	3.15	188	0.00	-0.06	4.59	0.534	0.944	55.78	0.010	118.16	76.12	45.2	0.104
5/5/2025 14:00	17.2	8.90	318	3.21	188	0.00	-0.06	4.93	0.534	0.944	70.21	0.010	132.60	96.29	45.2	0.130
5/5/2025 15:00	17.0	8.87	319	3.22	188	0.00	-0.06	4.87	0.534	0.944	65.97	0.010	128.35	117.19	45.2	0.159
5/5/2025 16:00	16.3	8.94	323	3.23	188	0.00	-0.06	4.69	0.534	0.944	55.88	0.010	118.27	126.37	45.2	0.172
5/5/2025 17:00	16.7	9.00	326	3.21	188	0.00	-0.06	4.83	0.534	0.944	63.67	0.010	126.05	126.41	45.3	0.171
5/5/2025 18:00	18.7	9.09	333	3.21	188	0.00	-0.06	5.48	0.534	0.944	96.24	0.010	158.62	124.22	45.3	0.181
5/5/2025 19:00	16.6	9.19	344	3.21	188	0.00	-0.06	4.90	0.534	0.944	65.35	0.010	127.74	134.31	45.3	0.219
5/5/2025 20:00	16.4	9.10	350	3.17	189	0.00	-0.06	4.80	0.534	0.944	61.78	0.010	124.17	137.47	45.3	0.250
5/5/2025 21:00	16.9	9.31	348	3.14	193	0.00	-0.06	5.05	0.534	0.944	75.37	0.010	137.76	136.84	45.3	0.260
5/5/2025 22:00	16.5	9.13	342	3.12	193	0.00	-0.06	4.85	0.534	0.944	67.03	0.010	129.42	129.89	45.3	0.252
5/5/2025 23:00	18.7	9.07	342	3.13	195	0.00	-0.06	5.46	0.534	0.944	97.19	0.010	159.57	130.45	45.3	0.274
5/6/2025 0:00	23.3	9.04	337	3.13	197	0.00	-0.06	6.78	0.534	0.944	162.78	0.010	225.17	142.25	45.4	0.333
5/6/2025 1:00	22.0	8.95	331	3.13	197	0.00	-0.06	6.33	0.534	0.944	142.63	0.010	205.02	171.39	45.4	0.461
5/6/2025 2:00	22.8	8.88	325	3.10	197	0.00	-0.06	6.53	0.534	0.944	155.67	0.010	218.06	196.59	45.4	0.587
5/6/2025 3:00	22.3	9.15	345	3.09	197	0.00	-0.06	6.57	0.534	0.944	152.80	0.010	215.18	216.08	45.4	0.697
5/6/2025 4:00	21.2	9.13	341	3.09	197	0.00	-0.06	6.24	0.534	0.944	137.42	0.010	199.81	212.75	45.4	0.709
5/6/2025 5:00	20.7	9.04	336	3.05	197	0.00	-0.06	6.01	0.534	0.944	129.35	0.010	191.74	211.02	45.5	0.718
5/6/2025 6:00	21.2	8.95	325	3.06	201	0.00	-0.06	6.11	0.534	0.944	135.27	0.010	197.66	202.24	45.5	0.701
5/6/2025 7:00	14.0	8.90	315	3.09	206	0.00	-0.06	4.03	0.534	0.944	28.53	0.010	90.91	196.40	45.5	0.691
5/6/2025 8:00	10.4	8.79	309	3.13	206	0.00	-0.06	2.95	0.534	0.944	-29.15	0.010	34.98	160.10	45.5	0.568
5/6/2025 9:00	7.7	8.86	322	3.15	206	0.00	-0.06	2.20	0.534	0.944	-66.82	0.010	8.10	107.85	45.5	0.381
5/6/2025 10:00	6.3	8.99	330	3.16	206	0.00	-0.06	1.82	0.534	0.944	-85.64	0.010	4.03	44.66	45.5	0.153
5/6/2025 11:00	4.1	9.11	339	3.15	206	0.00	-0.05	1.19	0.534	0.944	-113.97	0.010	0.17	15.70	45.5	0.051
5/6/2025 12:00	5.9	9.15	343	3.15	206	0.00	-0.04	1.75	0.534	0.944	-86.30	0.010	12.72	4.10	45.5	0.013
5/6/2025 13:00	4.1	9.19	348	3.15	206	0.00	-0.03	1.22	0.534	0.944	-111.14	0.010	1.22	5.64	45.5	0.017
5/6/2025 14:00	4.3	9.00	343	3.15	206	0.00	-0.03	1.24	0.534	0.944	-110.87	0.010	0.45	4.70	45.5	0.014
5/6/2025 15:00	4.1	8.86	343	3.53	206	0.00	-0.03	1.16	0.534	0.944	-135.35	0.010	0.00	4.80	45.4	0.016
5/6/2025 16:00	3.2	8.75	342	3.56	206	0.00	-0.02	0.91	0.534	0.944	-149.89	0.010	0.00	0.56	45.4	0.002
5/6/2025 17:00	2.6	8.70	341	3.51	210	0.00	-0.02	0.72	0.534	0.944	-155.30	0.010	0.00	0.15	45.4	0.001
5/6/2025 18:00	4.0	8.67	340	3.52	211	0.00	-0.02	1.13	0.534	0.944	-136.34	0.010	0.00	0.00	45.4	0.000
5/6/2025 19:00	3.7	8.68	339	3.54	211	0.00	-0.03	1.03	0.534	0.944	-141.98	0.010	0.00	0.00	45.4	0.000
5/6/2025 20:00	3.3	8.66	336	3.51	211	0.00	-0.04	0.91	0.534	0.944	-147.47	0.010	0.00	0.00	45.4	0.000
5/6/2025 21:00	2.8	8.68	333	3.48	211	0.00	-0.05	0.79	0.534	0.944	-152.15	0.010	0.00	0.00	45.4	0.000
5/6/2025 22:00	1.9	8.85	342	3.53	211	0.00	-0.05	0.55	0.534	0.944	-164.52	0.010	0.00	0.00	45.4	0.000
5/6/2025 23:00	1.2	8.71	336	3.51	211	0.00	-0.05	0.33	0.534	0.944	-175.51	0.010	0.00	0.00	45.4	0.000
5/7/2025 0:00	1.8	8.74	343	3.55	211	0.00	-0.06	0.52	0.534	0.944	-166.73	0.010	0.00	0.00	45.4	0.000
5/7/2025 1:00	2.4	8.71	341	3.62	211	0.00	-0.06	0.67	0.534	0.944	-163.48	0.010	0.00	0.00	45.4	0.000
5/7/2025 2:00	2.7	8.46	319	3.71	209	0.00	-0.06	0.75	0.534	0.944	-174.51	0.010	0.00	0.00	45.4	0.000
5/7/2025 3:00	4.4	7.55	270	3.75	201	0.00	-0.06	1.07	0.534	0.944	-177.14	0.010	0.00	0.00	45.4	0.000
5/7/2025 4:00	4.0	7.87	270	3.74	197	0.00	-0.05	1.01	0.534	0.944	-181.53	0.010	0.00	0.00	45.4	0.000
5/7/2025 5:00	2.6	8.06	290	3.75	197	0.00	-0.05	0.67	0.534	0.944	-193.86	0.010	0.00	0.00	45.4	0.000
5/7/2025 6:00	4.6	7.80	278	3.77	197	0.00	-0.05	1.16	0.534	0.944	-172.15	0.010	0.00	0.00	45.4	0.000
5/7/2025 7:00	13.3	7.62	273	3.75	197	0.00	-0.05	3.25	0.534	0.944	-53.29	0.010	53.21	0.00	45.4	0.000
5/7/2025 8:00	20.1	7.50	275	3.75	197	0.00	-0.05	4.87	0.534	0.944	37.19	0.010	99.58	17.74	45.4	0.071
5/7/2025 9:00	19.3	7.72	284	3.79	197	0.00	-0.03	4.79	0.534	0.944	29.94	0.010	92.33	50.93	45.4	0.297
5/7/2025 10:00	16.4	7.77	278	3.76	197	0.00	-0.03	4.10	0.534	0.944	-6.68	0.010	56.15	81.70	45.4	0.626
5/7/2025 11:00	15.8	7.69	270	3.78	197	0.00	-0.03	3.91	0.534	0.944	-18.70	0.010	43.70	82.68	45.4	0.763
5/7/2025 12:00	16.8	8.01	300	3.80	197	0.00	-0.02	4.34	0.534	0.944	4.46	0.010	66.96	64.06	45.4	0.583
5/7/2025 13:00	19.1	7.96	298	3.80	197	0.00	-0.02	4.89	0.534	0.944	34.25	0.010	96.64	55.60	45.4	0.501
5/7/2025 14:00	17.5	7.91	296	3.79	197	0.00	-0.03	4.47	0.534	0.944	11.95	0.010	74.33	69.10	45.4	0.631
5/7/2025 15:00	18.2	7.67	281	3.81	197	0.00	-0.03	4.50	0.534	0.944	13.05	0.010	75.43	79.31	45.4	0.730
5/7/2025 16:00	17.6	7.60	274	3.79	197	0.00	-0.02	4.32	0.534	0.944	3.64	0.010	66.10	82.14	45.4	0.762
5/7/2025 17:00	16.8	7.77	278	3.71	197	0.00	-0.02	4.19	0.534	0.944	1.75	0.010	64.14	71.96	45.4	0.665
5/7/2025 18:00	16.0	7.87	283	3.65	197	0.00	-0.03	4.04	0.534	0.944	-2.99	0.010	59.39	68.56	45.4	0.635
5/7/2025 19:00	15.1	7.93	286	3.61	197	0.00	-0.03	3.86	0.534	0.944	-10.54	0.010	52.00	63.21	45.4	0.583
5/7/2025 20:00	14.4	7.90	281	3.58	197	0.00	-0.05	3.67	0.534	0.944	-19.19	0.010	43.34	58.51	45.4	0.540
5/7/2025 21:00	14.2	8.25	300	3.63	197	0.00	-0.05	3.78	0.534	0.944	-15.80	0.010	46.76	51.58	45.4	0.479
5/7/2025 22:00	14.5	7.98	283	3.76	201	0.00	-0.05	3.72	0.534	0.944	-26.93	0.010	35.86	47.37	45.4	0.442
5/7/2025 23:00	14.8	7.84	273	3.79	202	0.00	-0.06	3.75	0.534	0.944	-28.15	0.010	10.08	41.99	45.4	0.393
5/8/2025 0:00	14.8	7.91	279	3.80	202	0.00	-0.06	3.78	0.534	0.944	-26.49	0.010	12.89	30.90	45.4	0.289

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/8/2025 1:00	15.0	7.99	281	3.78	205	0.00	-0.06	3.85	0.534	0.944	-21.33	0.010	14.34	19.61	45.4	0.185
5/8/2025 2:00	15.1	8.07	284	3.84	206	0.00	-0.06	3.93	0.534	0.944	-20.89	0.010	14.86	12.44	45.4	0.118
5/8/2025 3:00	16.7	8.08	285	3.90	206	0.00	-0.06	4.33	0.534	0.944	-1.99	0.010	29.89	14.03	45.4	0.134
5/8/2025 4:00	16.1	8.01	266	3.94	206	0.00	-0.06	4.15	0.534	0.944	-15.26	0.010	19.02	19.70	45.4	0.188
5/8/2025 5:00	17.2	7.95	259	3.93	206	0.00	-0.06	4.40	0.534	0.944	-0.54	0.010	31.82	21.26	45.4	0.201
5/8/2025 6:00	19.6	8.15	269	3.94	206	0.00	-0.06	5.14	0.534	0.944	40.61	0.010	71.12	26.91	45.4	0.252
5/8/2025 7:00	18.7	8.05	267	3.92	206	0.00	-0.06	4.84	0.534	0.944	24.55	0.010	55.60	40.65	45.4	0.374
5/8/2025 8:00	18.9	7.87	261	3.93	206	0.00	-0.06	4.80	0.534	0.944	21.87	0.010	52.38	52.84	45.4	0.484
5/8/2025 9:00	20.3	8.01	273	3.97	206	0.00	-0.06	5.24	0.534	0.944	43.16	0.010	73.66	59.70	45.4	0.539
5/8/2025 10:00	19.1	8.08	271	3.95	206	0.00	-0.06	4.96	0.534	0.944	28.99	0.010	59.50	60.55	45.4	0.539
5/8/2025 11:00	20.1	8.17	270	3.93	206	0.00	-0.06	5.29	0.534	0.944	49.26	0.010	79.77	61.85	45.4	0.545
5/8/2025 12:00	21.8	8.12	264	3.91	206	0.00	-0.06	5.71	0.534	0.944	74.85	0.010	105.36	70.98	45.4	0.625
5/8/2025 13:00	21.6	7.80	251	3.93	206	0.00	-0.05	5.42	0.534	0.944	58.71	0.010	89.22	81.54	45.4	0.718
5/8/2025 14:00	22.0	7.68	248	3.94	206	0.00	-0.05	5.43	0.534	0.944	59.02	0.010	89.53	91.45	45.4	0.798
5/8/2025 15:00	21.0	7.94	259	3.92	206	0.00	-0.04	5.37	0.534	0.944	55.90	0.010	86.41	94.70	45.4	0.817
5/8/2025 16:00	19.6	7.81	250	3.93	206	0.00	-0.03	4.92	0.534	0.944	30.13	0.010	60.64	88.39	45.4	0.754
5/8/2025 17:00	18.4	7.85	254	3.83	206	0.00	-0.02	4.65	0.534	0.944	20.46	0.010	51.58	78.86	45.4	0.672
5/8/2025 18:00	19.4	8.02	263	3.92	206	0.00	-0.02	5.02	0.534	0.944	35.83	0.010	66.34	66.21	45.4	0.565
5/8/2025 19:00	18.4	8.01	263	3.90	206	0.00	-0.03	4.75	0.534	0.944	21.81	0.010	52.31	59.52	45.4	0.508
5/8/2025 20:00	17.6	8.47	296	3.90	206	0.00	-0.05	4.80	0.534	0.944	22.53	0.010	53.07	56.74	45.4	0.481
5/8/2025 21:00	17.4	8.06	264	3.91	206	0.00	-0.05	4.51	0.534	0.944	7.14	0.010	38.46	57.24	45.4	0.482
5/8/2025 22:00	17.0	7.94	253	3.95	206	0.00	-0.05	4.34	0.534	0.944	-5.47	0.010	27.51	47.95	45.4	0.403
5/8/2025 23:00	17.2	8.17	270	3.98	206	0.00	-0.06	4.54	0.534	0.944	4.23	0.010	35.99	39.68	45.4	0.333
5/9/2025 0:00	16.9	8.04	262	4.00	206	0.00	-0.06	4.39	0.534	0.944	-5.37	0.010	27.00	33.99	45.4	0.285
5/9/2025 1:00	18.0	7.99	260	4.05	206	0.00	-0.06	4.63	0.534	0.944	5.39	0.010	35.98	30.16	45.4	0.253
5/9/2025 2:00	17.3	8.36	291	4.06	206	0.00	-0.06	4.65	0.534	0.944	4.69	0.010	36.53	32.99	45.4	0.278
5/9/2025 3:00	17.0	8.41	294	4.12	206	0.00	-0.06	4.60	0.534	0.944	-0.91	0.010	31.34	33.17	45.4	0.281
5/9/2025 4:00	17.0	8.31	273	4.12	206	0.00	-0.06	4.55	0.534	0.944	-3.84	0.010	27.87	34.62	45.4	0.296
5/9/2025 5:00	16.8	8.19	269	4.10	206	0.00	-0.06	4.44	0.534	0.944	-8.42	0.010	23.66	31.91	45.4	0.273
5/9/2025 6:00	16.9	7.88	253	4.07	206	0.00	-0.06	4.29	0.534	0.944	-16.26	0.010	17.30	27.62	45.4	0.237
5/9/2025 7:00	17.9	7.75	249	4.05	206	0.00	-0.06	4.48	0.534	0.944	-3.37	0.010	27.43	22.94	45.4	0.194
5/9/2025 8:00	18.1	7.76	251	4.08	206	0.00	-0.06	4.52	0.534	0.944	-3.39	0.010	28.27	22.80	45.4	0.195
5/9/2025 9:00	16.6	7.93	255	4.10	206	0.00	-0.05	4.23	0.534	0.944	-21.51	0.010	14.33	24.33	45.4	0.211
5/9/2025 10:00	19.0	7.99	274	4.08	206	0.00	-0.04	4.90	0.534	0.944	17.96	0.010	48.86	23.34	45.4	0.207
5/9/2025 11:00	20.0	7.96	275	4.04	206	0.00	-0.04	5.12	0.534	0.944	32.80	0.010	63.31	30.49	45.4	0.275
5/9/2025 12:00	19.8	7.61	254	4.01	206	0.00	-0.05	4.85	0.534	0.944	20.80	0.010	51.31	42.17	45.4	0.386
5/9/2025 13:00	18.2	7.74	264	3.96	206	0.00	-0.03	4.54	0.534	0.944	5.80	0.010	36.99	54.49	45.4	0.506
5/9/2025 14:00	16.5	7.79	266	3.94	206	0.00	-0.03	4.14	0.534	0.944	-15.93	0.010	18.40	50.54	45.4	0.469
5/9/2025 15:00	16.1	7.65	256	3.93	206	0.00	-0.03	3.96	0.534	0.944	-25.37	0.010	12.21	35.57	45.4	0.330
5/9/2025 16:00	16.1	7.84	269	3.88	206	0.00	-0.02	4.08	0.534	0.944	-15.74	0.010	18.45	22.53	45.4	0.205
5/9/2025 17:00	15.2	7.90	274	3.89	206	0.00	-0.01	3.86	0.534	0.944	-27.68	0.010	10.84	16.35	45.4	0.148
5/9/2025 18:00	15.8	7.86	272	3.92	206	0.00	-0.02	4.01	0.534	0.944	-21.33	0.010	14.42	13.83	45.4	0.125
5/9/2025 19:00	14.9	7.83	269	3.92	206	0.00	-0.03	3.76	0.534	0.944	-36.03	0.010	7.93	14.57	45.4	0.135
5/9/2025 20:00	15.2	7.88	271	3.90	206	0.00	-0.04	3.87	0.534	0.944	-28.52	0.010	7.02	11.06	45.4	0.104
5/9/2025 21:00	15.4	8.15	281	3.92	206	0.00	-0.05	4.04	0.534	0.944	-19.30	0.010	15.57	9.79	45.4	0.092
5/9/2025 22:00	15.3	8.09	275	3.94	206	0.00	-0.05	3.99	0.534	0.944	-23.54	0.010	14.64	10.17	45.4	0.094
5/9/2025 23:00	14.6	8.20	277	3.94	206	0.00	-0.05	3.86	0.534	0.944	-30.88	0.010	11.44	12.41	45.4	0.114
5/10/2025 0:00	15.2	7.96	269	3.90	206	0.00	-0.05	3.91	0.534	0.944	-26.32	0.010	12.34	13.88	45.3	0.127
5/10/2025 1:00	15.1	7.67	254	3.94	206	0.00	-0.05	3.72	0.534	0.944	-40.18	0.010	7.85	12.80	45.3	0.118
5/10/2025 2:00	15.8	7.90	265	3.98	206	0.00	-0.06	4.01	0.534	0.944	-25.77	0.010	12.63	10.54	45.3	0.097
5/10/2025 3:00	15.0	7.90	267	4.01	206	0.00	-0.06	3.81	0.534	0.944	-38.53	0.010	5.58	10.94	45.3	0.102
5/10/2025 4:00	14.9	7.82	261	4.02	206	0.00	-0.06	3.75	0.534	0.944	-42.76	0.010	4.38	8.68	45.3	0.081
5/10/2025 5:00	14.7	7.94	264	3.98	206	0.00	-0.06	3.75	0.534	0.944	-40.08	0.010	6.27	7.53	45.3	0.070
5/10/2025 6:00	13.4	7.98	266	3.89	206	0.00	-0.06	3.44	0.534	0.944	-51.64	0.010	2.81	5.41	45.3	0.051
5/10/2025 7:00	15.1	7.46	235	3.85	206	0.00	-0.06	3.61	0.534	0.944	-42.52	0.010	8.16	4.49	45.3	0.042
5/10/2025 8:00	16.6	7.41	233	3.90	206	0.00	-0.06	3.97	0.534	0.944	-24.44	0.010	13.75	5.75	45.3	0.054
5/10/2025 9:00	16.4	7.50	241	3.92	206	0.00	-0.05	3.96	0.534	0.944	-25.91	0.010	12.17	8.24	45.3	0.077
5/10/2025 10:00	16.7	7.61	246	3.90	206	0.00	-0.04	4.10	0.534	0.944	-16.22	0.010	17.99	11.36	45.3	0.107
5/10/2025 11:00	16.2	7.65	251	3.88	206	0.00	-0.03	3.99	0.534	0.944	-21.07	0.010	14.95	14.64	45.3	0.137
5/10/2025 12:00	15.9	7.92	266	3.90	206	0.00	-0.03	4.05	0.534	0.944	-17.96	0.010	16.65	15.04	45.3	0.141
5/10/2025 13:00	16.0	7.59	246	3.90	206	0.00	-0.03	3.90	0.534	0.944	-27.56	0.010	12.54	16.53	45.3	0.154
5/10/2025 14:00	16.7	7.76	256	3.91	206	0.00	-0.02	4.17	0.534	0.944	-12.14	0.010	22.54	14.71	45.3	0.137
5/10/2025 15:00	15.9	7.73	257	3.90	206	0.00	-0.02	3.97	0.534	0.944	-23.04	0.010	13.27	17.24	45.3	0.159
5/10/2025 16:00	16.4	7.99	270	3.86	211	0.00	-0.01	4.22	0.534	0.944	-5.86	0.010	26.77	16.12	45.3	0.149
5/10/2025 17:00	15.0	8.25	282	3.83	216	0.00	-0.01	3.99	0.534	0.944	-16.45	0.010	17.95	20.86	45.3	0.193
5/10/2025 18:00	14.2	8.10	274	3.85	216	0.00	-0.02	3.71	0.534	0.944	-33.55	0.010	8.35	19.33	45.3	0.181
5/10/2025 19:00	13.1	8.11	273	3.85	216	0.00	-0.03	3.42	0.534	0.944	-49.46	0.010	3.31	17.69	45.3	0.164
5/10/2025 20:00	14.5	8.00	265	3.82	216	0.00	-0.03	3.72	0.534	0.944	-31.51	0.010	9.94	9.87	45.3	0.092
5/10/2025 21:00	14.0	8.28	270	3.80	216	0.00	-0.05	3.73	0.534	0.944	-29.00	0.010	11.46	7.20	45.3	0.068
5/10/2025 22:00	13.9	8.14	270	3.89	216	0.00	-0.05	3.64	0.534	0.944	-39.35	0.010	5.52	8.24	45.2	0.080
5/10/2025 23:00	13.8	8.00	264	3.88	216	0.00	-0.05	3.55	0.534	0.944	-44.61	0.010	4.75	8.97	45.2	0.089
5/11/2025 0:00	14.0	8.04	263	3.87	216	0.00	-0.05	3.62	0.534	0.944	-39.83	0.010	6.40	7.24	45.2	0.073
5/11/2025 1:00	14.0	8.09	271	3.90	216	0.00	-0.05	3.65	0.534	0.944	-39.88	0.010	4.90	5.56	45.2	0.055
5/11/2025 2:00	14.4	8.04	267	3.90	216	0.00	-0.06	3.72	0.534	0.944	-35.79	0.010	6.24	5.35	45.2	0.054
5/11/2025 3:00	14.9	7.87	254	3.92	216	0.00	-0.06	3.77	0.534	0.944	-35.08	0.010	8.93	5.85	45.2	0.059
5/11/2025 4:00	16.4	8.08	267	4.00	216	0.00	-0.06	4.26	0.534	0.944	-12.20	0.010	21.89	6.69	45.2	0.067
5/11/2025 5:00	15.7	8.02	262	4.01	216	0.00	-0.06	4.05	0.534	0.944	-25.01	0.010	11.33	12.35	45.2	0.120
5/11/2025 6:00	16.7	8.04	263	4.01	216	0.00	-0.06	4.33	0.534	0.944	-9.30	0.010	22.20	14.05	45.2	0.135
5/11/2025 7:00	19.9	8.21	271	4.08	216	0.00	-0.06	5.26	0.534	0.944	37.46	0.010	67.97	18.47	45.2	0.182
5/11/2025 8:00	18.8	8.02	262	4.09	216	0.00	-0.06	4.87	0.534	0.944	15.89	0.010	46.75	33.83	45.2	0.334
5/11/2025 9:00	18.4	7.76	246	4.14	216	0.00	-0.05	4.61	0.534	0.944	-2.01	0.010	30.90	45.64	45.2	0.452
5/11/2025 10:00	18.8	8.03	262	4.18	216	0.00	-0.05	4.87	0.534	0.944	9.71	0.010	41.77	48.54	45.2	0.482
5/11/2025 11:00	19.8	7.96	258	4.18	216	0.00	-0.06	5.07	0.534	0.944	21.96	0.010	52.47	39.81	45.2	0.396
5/11/2025 12:00	23.5	8.18	273	4.11	216	0.00	-0.05	6.18	0.534	0.944	85.74	0.010	116.25	41.71	45.2	0.416
5/11/2025 13:00	22.8	8.30	283	4.06	216	0.00	-0.04	6.10	0.534	0.944	83.03	0.010	113.53	70.16	45.2	0.699
5/11/2025 14:00	22.3	8.22	279	4.05	216	0.00	-0.03	5.89	0.534	0.944	72.74	0.010	103.25	94.09	45.2	0.936
5/11/2025 15:00	22.3	7.87	258	4.04	216	0.00	-0.03	5.64	0.534	0.944	62.49	0.010	93.00	111.01	45.2	1.102
5/11/2025 16:00	20.4	7.86	260	4.06	216	0.00	-0.02	5.15	0.534	0.944	34.08	0.010	64.59	103.26	45.2	1.022
5/11/2025 17:00	19.2	7.88	258	4.05	216	0.00	-0.01	4.86	0.534	0.944	17.80	0.010	48.39	86.94	45.2	0.860
5/11/2025 18:00	20.5	7.86	257	4.07	216	0.00	-0.03	5.18	0.534	0.944	35.03	0.010	65.54	68.66	45.3	0.680
5/11/2025 19:00	20.8	7.91	258	4.07	216	0.00	-0.04	5.30	0.534	0.944	41.62	0.010	72.13	59.51	45.3	0.588
5/11/2025 20:00	22.1	7.93	259	4.06	215	0.00	-0.05	5.66	0.534	0.944	61.88	0.010	92.39	62.02	45.3	0.611
5/11/2025 21:00	23.3	8.33	271	4.06	216	0.00	-0.05	6.24	0.534	0.944	92.67	0.010	123.17	76.69	45.3	0.751
5/11/2025 22:00	22.0	8.19	263	4.00	216	0.00	-0.06	5.81	0.534	0.944	73.77	0.010	104.28	95.90	45.3	0.937
5/11/2025 23:00	22.5	8.05	256	4.00	216	0.00	-0.06	5.83	0.534	0.944	75.91	0.010	106.42	106.62	45.3	1.042
5/12/2025 0:00	25.6	8.15	262	4.00	216	0.00	-0.06	6.71	0.534	0.944	124.12	0.010	154.63	111.29	45.3	1.089
5/12/2025 1:00	25.9	8.16	261	4.02	216	0.00	-0.06	6.80	0.534	0.944	127.87	0.010	158.38	121.77	45.3	1.192
5/12/2025 2:00	26.3	8.03	254	4.01	216	0.00	-0.06	6.79	0.534	0.944	129.61	0.010	160.12	139.81	45.3	1.368
5/12/2025 3:00	26.3	8.33	271	3.99	216	0.00	-0.06	7.05	0.534	0.944	140.69	0.010	171.20	157.71	45.3	1.545
5/12/2025 4:00	24.3	8.13	260	3.97	216	0.00	-0.06	6.37	0.534	0.944	107.16	0.010	137.66	163.23	45.4	1.601
5/12/2025 5:00	23.9	8.05	265	3.96	216	0.00	-0.06	6.20	0.534	0.944	97.41	0.010	127.92	156.33	45.4	1.545
5/12/2025 6:00	24.8	8.10	266	3.96	216	0.00	-0.06	6.47	0.534	0.944	111.44	0.010	141.95	145.59	45.4	1.451
5/12/2025 7:00	20.2	8.12	272	3.97	215	0.00	-0.06	5.27	0.534	0.944	45.30	0.010	76.71	135.84	45.4	1.357
5/12/2025 8:00	15.8	8.31	281	4.03	216	0.00	-0.06	4.22	0.534	0.944	-16.19	0.010	16.81	115.53	45.4	1.169
5/12/2025 9:00	16.8	8.20	276	4.08	216	0.00	-0.05	4.43	0.534	0.944	-7.93	0.010	23.80	78.49	45.4	0.798
5/12/2025 10:00	16.5	7.95	264	4.07	216	0.00	-0.05	4.22	0.534	0.944	-19.20	0.010	16.04	39.11	45.4	0.401
5/12/2025 11:00	15.8	7.97	265	4.02	216	0.00	-0.03	4.06	0.534	0.944	-24.51	0.010	10.36	18.89	45.4	0.192
5/12/2025 12:00	17.3	8.05	267	4.01	216	0.00	-0.03	4.47	0.534	0.944	-1.31	0.010	30.13	16.73	45.4	0.169
5/12/2025 13:00	16.3	8.07	281	4.01	215	0.00	-0.03	4.23	0.534	0.944	-14.20	0.010	19.66	18.84	45.4	0.191
5/12/2025 14:00	16.3	8.12	290	4.05	216	0.00	-0.02	4.27	0.534	0.944	-14.08	0.010	19.85	20.05	45.4	0.204
5/12/2025 15:00	15.5	8.14	291	4.04	216	0.00	-0.02	4.06	0.534	0.944	-24.69	0.010	12.45	23.21	45.4	0.239
5/12/2025 16:00	15.7	8.05	289	4.03	216	0.00	-0.02	4.07	0.534	0.944	-23.93	0.010	13.11	17.32	45.4	0.180
5/12/2025 17:00	15.4	8.09	290	4.04	216	0.00	-0.01	4.01	0.534	0.944	-27.22	0.010	10.67	15.14	45.4	0.159
5/12/2025 18:00	16.4	8.03	287	4.06	216	0.00	-0.02	4.23	0.534	0.944	-16.94	0.010	17.44	12.08	45.3	0.126
5/12/2025 19:00	15.1	8.05	283	4.03	216	0.00	-0.02	3.93	0.534	0.944	-31.65	0.010	10.24	13.74	45.3	0.143
5/12/2025 20:00	14.1	8.11	283	3.98	216	0.00	-0.04	3.69	0.534	0.944	-40.99	0.010	4.87	12.78	45.3	0.131
5/12/2025 21:00	14.0	8.36	301	3.96	216	0.00	-0.05	3.77	0.534	0.944	-35.21	0.010	8.42	10.85	45.3	0.108
5/12/2025 22:00	16.1	8.24	283	3.97	216	0.00	-0.05	4.28	0.534	0.944	-9.42	0.010	26.02	7.84	45.3	0.075
5/12/2025 23:00	14.5	8.25	280	3.99	216	0.00	-0.05	3.84	0.534	0.944	-33.90	1.120	0.13	13.10	45.3	0.123
5/13/2025 0:00	16.3	8.14	283	3.93	216	0.00	-0.05	4.27	0.534	0.944	-7.18	1.120	0.74	11.52	45.3	0.106
5/13/2025 1:00	17.5	8.12	283	3.88	216	0.00	-0.05	4.58	0.534	0.944	12.25	1.120	4.53	8.96	45.3	0.082
5/13/2025 2:00	17.2	8.09	283	3.85	216	0.00	-0.05	4.48	0.534	0.944	9.04	1.120	2.86	1.80	45.3	0.016
5/13/2025 3:00	15.6	8.08	282	3.82	216	0.00	-0.05	4.06	0.534	0.944	-12.00	1.120	0.47	2.71	45.3	0.025
5/13/2025 4:00	15.9	8.18	289	3.80	216	0.00	-0.05	4.18	0.534	0.944	-4.35	1.120	1.12	2.62	45.3	0.024
5/13/2025 5:00	14.9	8.25	294	3.82	216	0.00	-0.05	3.97	0.534	0.944	-16.26	1.120	0.65	1.48	45.3	0.014
5/13/2025 6:00	17.6	8.21	290	3.86	216	0.00	-0.05	4.64	0.534	0.944	16.93	1.120	6.08	0.75	45.3	0.007
5/13/2025 7:00	19.0	8.16	291	3.88	215	0.00	-0.05	4.99	0.534	0.944	33.50	1.120	12.20	2.62	45.3	0.024

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/13/2025 8:00	18.3	8.22	274	3.85	216	0.00	-0.05	4.83	0.534	0.944	27.92	1.120	9.90	6.31	45.3	0.058
5/13/2025 9:00	18.2	8.15	287	3.75	216	0.00	-0.05	4.76	0.534	0.944	29.52	1.120	10.37	9.39	45.3	0.086
5/13/2025 10:00	16.7	8.19	287	3.64	216	0.00	-0.05	4.42	0.534	0.944	17.63	1.120	7.66	10.82	45.3	0.100
5/13/2025 11:00	16.0	8.14	288	3.57	216	0.00	-0.05	4.20	0.534	0.944	10.73	1.120	2.29	9.31	45.3	0.085
5/13/2025 12:00	19.3	8.18	288	3.57	216	0.00	-0.05	5.08	0.534	0.944	57.42	1.120	31.70	6.78	45.3	0.063
5/13/2025 13:00	13.7	8.13	286	3.58	216	0.00	-0.05	3.59	0.534	0.944	-22.20	1.120	9.54	13.89	45.3	0.127
5/13/2025 14:00	9.8	8.21	292	3.62	216	0.00	-0.05	2.58	0.534	0.944	-77.38	1.120	0.00	14.51	45.2	0.133
5/13/2025 15:00	10.7	8.29	295	3.60	216	0.00	-0.05	2.86	0.534	0.944	-61.04	1.120	0.00	13.75	45.2	0.126
5/13/2025 16:00	13.2	8.32	294	3.61	216	0.00	-0.05	3.53	0.534	0.944	-26.55	1.120	0.39	3.18	45.2	0.029
5/13/2025 17:00	14.8	8.24	289	3.58	216	0.00	-0.05	3.92	0.534	0.944	-4.99	1.120	0.85	0.13	45.2	0.001
5/13/2025 18:00	15.4	8.49	308	3.60	216	0.00	-0.05	4.21	0.534	0.944	9.45	1.120	6.04	0.41	45.2	0.004
5/13/2025 19:00	13.6	8.57	316	3.62	216	0.00	-0.05	3.74	0.534	0.944	-15.93	1.120	1.44	2.42	45.2	0.022
5/13/2025 20:00	16.0	8.57	314	3.67	217	0.00	-0.05	4.43	0.534	0.944	15.39	1.120	3.97	2.77	45.2	0.026
5/13/2025 21:00	15.2	8.43	292	3.77	220	0.00	-0.06	4.12	0.534	0.944	-5.37	1.120	0.76	3.81	45.2	0.035
5/13/2025 22:00	15.6	8.56	295	3.81	220	0.00	-0.06	4.30	0.534	0.944	1.20	1.120	2.58	2.06	45.2	0.019
5/13/2025 23:00	15.6	8.90	325	3.83	220	0.00	-0.05	4.47	0.534	0.944	8.91	1.120	3.98	2.44	45.2	0.023
5/14/2025 0:00	20.9	8.71	313	3.84	220	0.00	-0.05	5.86	0.534	0.944	78.00	1.120	50.72	2.44	45.2	0.023
5/14/2025 1:00	20.7	8.72	313	3.82	220	0.00	-0.06	5.83	0.534	0.944	77.12	1.120	50.09	19.09	45.2	0.178
5/14/2025 2:00	22.0	8.37	286	3.86	220	0.00	-0.06	5.94	0.534	0.944	84.53	1.120	57.26	34.93	45.2	0.325
5/14/2025 3:00	22.9	8.41	289	3.87	220	0.00	-0.06	6.21	0.534	0.944	97.82	1.120	70.70	52.69	45.2	0.490
5/14/2025 4:00	22.6	8.47	289	3.86	220	0.00	-0.06	6.17	0.534	0.944	96.17	1.120	69.07	59.35	45.2	0.554
5/14/2025 5:00	24.3	8.50	300	3.83	220	0.00	-0.06	6.66	0.534	0.944	120.73	1.120	93.42	65.68	45.2	0.613
5/14/2025 6:00	26.2	8.12	278	3.86	217	0.00	-0.06	6.84	0.534	0.944	135.70	1.120	108.38	77.73	45.2	0.727
5/14/2025 7:00	22.4	8.40	301	3.79	216	0.00	-0.06	6.07	0.534	0.944	93.69	1.120	68.93	90.29	45.2	0.840
5/14/2025 8:00	19.0	8.43	303	3.82	215	0.00	-0.06	5.15	0.534	0.944	43.74	1.120	20.03	90.25	45.2	0.840
5/14/2025 9:00	15.0	8.32	295	3.86	216	0.00	-0.06	4.03	0.534	0.944	-15.81	1.120	10.50	65.78	45.2	0.613
5/14/2025 10:00	8.5	8.07	278	3.88	216	0.00	-0.06	2.21	0.534	0.944	-115.21	1.120	0.02	33.15	45.2	0.308
5/14/2025 11:00	17.7	8.14	284	3.88	216	0.00	-0.05	4.65	0.534	0.944	15.42	1.120	12.48	10.18	45.2	0.094
5/14/2025 12:00	21.5	7.90	268	3.88	216	0.00	-0.05	5.47	0.534	0.944	61.38	1.120	37.86	7.67	45.2	0.071
5/14/2025 13:00	20.3	7.92	270	3.93	216	0.00	-0.05	5.17	0.534	0.944	41.94	1.120	21.62	16.79	45.2	0.156
5/14/2025 14:00	21.0	7.93	270	3.91	216	0.00	-0.05	5.36	0.534	0.944	53.91	1.120	29.19	23.99	45.2	0.222
5/14/2025 15:00	21.7	8.13	282	3.88	216	0.00	-0.05	5.67	0.534	0.944	70.38	1.120	43.08	29.56	45.2	0.274
5/14/2025 16:00	21.8	7.92	270	3.89	216	0.00	-0.05	5.57	0.534	0.944	66.05	1.120	39.10	31.30	45.2	0.288
5/14/2025 17:00	21.2	8.24	291	3.99	216	0.00	-0.05	5.64	0.534	0.944	60.55	1.120	35.18	37.13	45.2	0.340
5/14/2025 18:00	23.3	8.15	284	4.00	216	0.00	-0.05	6.10	0.534	0.944	86.49	1.120	59.41	39.12	45.2	0.360
5/14/2025 19:00	20.9	8.11	281	3.98	216	0.00	-0.05	5.46	0.534	0.944	53.74	1.120	29.82	44.56	45.2	0.410
5/14/2025 20:00	21.4	8.47	310	3.95	216	0.00	-0.05	5.85	0.534	0.944	72.36	1.120	45.20	41.47	45.2	0.382
5/14/2025 21:00	22.3	8.46	309	3.95	216	0.00	-0.05	6.08	0.534	0.944	84.36	1.120	57.05	44.81	45.2	0.411
5/14/2025 22:00	21.5	8.45	306	3.85	216	0.00	-0.05	5.85	0.534	0.944	78.25	1.120	51.41	44.02	45.2	0.403
5/14/2025 23:00	21.7	8.64	311	3.89	216	0.00	-0.05	6.03	0.534	0.944	84.11	0.020	37.96	51.22	45.2	0.472
5/15/2025 0:00	24.1	8.46	304	3.90	216	0.00	-0.05	6.58	0.534	0.944	113.25	0.020	67.18	48.81	45.2	0.452
5/15/2025 1:00	22.8	8.47	307	3.97	216	0.00	-0.05	6.22	0.534	0.944	90.22	0.020	44.28	52.18	45.2	0.485
5/15/2025 2:00	23.7	8.42	302	3.98	216	0.00	-0.05	6.42	0.534	0.944	100.66	0.020	54.24	49.81	45.2	0.462
5/15/2025 3:00	21.7	8.33	295	3.98	216	0.00	-0.05	5.82	0.534	0.944	71.10	0.020	25.87	55.23	45.2	0.511
5/15/2025 4:00	21.3	8.16	285	3.93	216	0.00	-0.05	5.60	0.534	0.944	63.96	0.020	20.89	41.46	45.2	0.384
5/15/2025 5:00	20.4	8.17	286	3.93	216	0.00	-0.05	5.36	0.534	0.944	50.78	0.020	10.81	33.66	45.2	0.312
5/15/2025 6:00	21.0	8.15	283	3.94	216	0.00	-0.05	5.51	0.534	0.944	58.81	0.020	21.21	19.19	45.2	0.178
5/15/2025 7:00	18.5	8.05	277	3.92	216	0.00	-0.05	4.80	0.534	0.944	21.79	0.020	4.68	17.64	45.2	0.164
5/15/2025 8:00	16.4	7.86	266	3.91	216	0.00	-0.05	4.16	0.534	0.944	-12.74	0.020	0.54	12.23	45.2	0.114
5/15/2025 9:00	18.2	7.77	261	3.91	216	0.00	-0.05	4.56	0.534	0.944	9.50	0.020	3.59	8.81	45.2	0.082
5/15/2025 10:00	20.9	7.88	268	3.91	216	0.00	-0.05	5.31	0.534	0.944	50.96	0.020	12.39	2.94	45.2	0.027
5/15/2025 11:00	20.9	7.77	262	3.91	215	0.00	-0.05	5.22	0.534	0.944	46.99	0.020	9.87	5.50	45.2	0.051
5/15/2025 12:00	22.6	7.77	262	3.89	216	0.00	-0.03	5.66	0.534	0.944	72.45	0.020	30.77	8.62	45.2	0.080
5/15/2025 13:00	45.8	7.84	267	3.87	216	0.00	-0.03	11.61	0.534	0.944	399.07	0.020	352.64	17.68	45.2	0.164
5/15/2025 14:00	35.5	7.83	267	3.87	216	0.00	-0.03	8.96	0.534	0.944	254.87	0.020	208.44	131.09	45.2	1.216
5/15/2025 15:00	28.6	7.93	273	3.85	216	0.00	-0.02	7.29	0.534	0.944	162.50	0.020	116.08	197.28	45.2	1.822
5/15/2025 16:00	27.4	7.99	278	3.85	216	0.00	-0.02	7.06	0.534	0.944	148.08	0.020	101.66	225.72	45.2	2.081
5/15/2025 17:00	26.8	8.25	295	3.82	214	0.00	-0.02	7.11	0.534	0.944	147.74	0.020	101.32	142.06	45.2	1.308
5/15/2025 18:00	26.2	8.42	303	3.80	216	0.00	-0.02	7.11	0.534	0.944	146.39	0.020	99.97	106.35	45.3	0.981
5/15/2025 19:00	26.0	8.41	306	3.79	216	0.00	-0.04	7.04	0.534	0.944	142.77	0.020	96.34	100.98	45.3	0.931
5/15/2025 20:00	29.7	8.35	304	3.78	216	0.00	-0.04	8.00	0.534	0.944	192.75	0.020	146.33	99.21	45.3	0.907
5/15/2025 21:00	27.5	8.35	327	3.79	187	0.00	-0.05	7.41	0.534	0.944	163.54	0.020	117.11	114.21	45.3	1.036
5/15/2025 22:00	25.2	9.66	331	4.25	185	0.00	-0.05	7.74	0.534	0.944	152.98	0.020	106.56	119.93	45.3	1.068
5/15/2025 23:00	23.7	11.07	314	5.01	202	0.00	-0.05	8.44	0.534	0.944	145.89	0.020	99.47	123.33	45.3	1.080
5/16/2025 0:00	24.4	11.02	308	5.24	202	0.00	-0.05	8.65	0.534	0.944	145.12	0.020	98.70	107.71	45.3	0.921
5/16/2025 1:00	23.8	11.06	309	5.26	202	0.00	-0.05	8.47	0.534	0.944	133.91	0.020	87.48	101.58	45.3	0.862
5/16/2025 2:00	22.4	11.11	310	5.31	202	0.00	-0.05	8.02	0.534	0.944	108.07	0.020	61.89	95.22	45.3	0.807
5/16/2025 3:00	22.7	11.19	315	5.33	202	0.00	-0.05	8.17	0.534	0.944	113.46	0.020	67.44	82.69	45.3	0.701
5/16/2025 4:00	23.3	11.03	304	5.32	202	0.00	-0.05	8.28	0.534	0.944	121.96	0.020	75.80	72.27	45.3	0.613
5/16/2025 5:00	20.9	11.04	307	5.25	201	0.00	-0.06	7.43	0.534	0.944	81.28	0.020	37.36	68.38	45.3	0.578
5/16/2025 6:00	22.5	10.99	304	5.23	202	0.00	-0.06	7.96	0.534	0.944	110.62	0.020	71.21	60.20	45.3	0.511
5/16/2025 7:00	18.2	10.91	298	5.24	202	0.00	-0.05	6.39	0.534	0.944	27.63	0.020	16.32	61.46	45.3	0.522
5/16/2025 8:00	14.0	11.15	313	5.28	202	0.00	-0.05	5.04	0.534	0.944	-45.58	0.020	0.10	41.63	45.3	0.343
5/16/2025 9:00	13.9	11.20	318	5.28	202	0.00	-0.04	5.02	0.534	0.944	-45.84	0.020	0.00	29.21	45.3	0.241
5/16/2025 10:00	14.1	11.26	329	5.28	202	0.00	-0.03	5.12	0.534	0.944	-40.39	0.020	0.00	5.47	45.3	0.044
5/16/2025 11:00	13.4	11.18	313	5.31	206	0.00	-0.03	4.82	0.534	0.944	-57.88	0.020	0.00	0.03	45.3	0.000
5/16/2025 12:00	13.1	11.18	327	5.33	206	0.00	-0.03	4.70	0.534	0.944	-63.69	0.020	0.00	0.00	45.3	0.000
5/16/2025 13:00	13.2	11.28	333	5.33	207	-0.01	-0.02	4.80	0.534	0.944	-58.39	0.020	0.00	0.00	45.3	0.000
5/16/2025 14:00	13.1	11.21	330	5.35	207	-0.01	-0.01	4.74	0.534	0.944	-62.40	0.020	0.00	0.00	45.3	0.000
5/16/2025 15:00	13.1	11.19	336	5.37	207	-0.01	-0.01	4.72	0.534	0.944	-63.97	0.020	0.00	0.00	45.3	0.000
5/16/2025 16:00	12.9	11.15	334	5.36	207	-0.01	0.01	4.64	0.534	0.944	-67.27	0.020	0.00	0.00	45.3	0.000
5/16/2025 17:00	13.1	11.08	333	5.33	207	-0.01	0.01	4.68	0.534	0.944	-64.42	0.020	0.00	0.00	45.3	0.000
5/16/2025 18:00	15.2	10.97	322	5.33	211	-0.01	0.01	5.38	0.534	0.944	-29.76	0.020	0.56	0.00	45.3	0.000
5/16/2025 19:00	14.5	10.96	320	5.35	211	-0.01	-0.01	5.13	0.534	0.944	-43.58	0.020	0.00	0.19	45.2	0.002
5/16/2025 20:00	14.7	10.97	317	5.36	211	-0.01	-0.02	5.21	0.534	0.944	-40.54	0.020	0.00	0.19	45.2	0.001
5/16/2025 21:00	15.1	11.01	311	5.33	213	-0.01	-0.03	5.36	0.534	0.944	-31.18	0.020	0.00	0.19	45.2	0.001
5/16/2025 22:00	14.5	11.14	311	5.21	216	-0.01	-0.03	5.19	0.534	0.944	-33.00	0.020	0.00	0.00	45.2	0.000
5/16/2025 23:00	14.6	11.17	313	5.33	216	-0.01	-0.04	5.24	0.534	0.944	-36.78	0.050	11.02	0.00	45.2	0.000
5/17/2025 0:00	16.7	11.11	309	5.49	216	0.00	-0.04	5.99	0.534	0.944	-8.46	0.050	28.02	3.67	45.2	0.029
5/17/2025 1:00	15.4	11.07	308	5.43	216	0.00	-0.04	5.47	0.534	0.944	-31.30	0.050	14.02	13.01	45.2	0.106
5/17/2025 2:00	15.0	11.02	306	5.35	216	0.00	-0.05	5.33	0.534	0.944	-33.78	0.050	13.73	17.69	45.2	0.144
5/17/2025 3:00	13.8	11.03	305	5.29	216	0.00	-0.05	4.91	0.534	0.944	-51.96	0.050	5.47	18.59	45.2	0.152
5/17/2025 4:00	15.2	11.08	308	5.27	216	0.00	-0.05	5.41	0.534	0.944	-25.05	0.050	22.22	11.07	45.2	0.090
5/17/2025 5:00	16.2	11.09	309	5.25	216	0.00	-0.05	5.78	0.534	0.944	-5.04	0.050	32.54	13.81	45.2	0.113
5/17/2025 6:00	16.2	11.14	312	5.17	216	0.00	-0.05	5.79	0.534	0.944	-0.20	0.050	36.39	20.08	45.2	0.164
5/17/2025 7:00	17.9	11.12	311	5.17	216	0.00	-0.05	6.42	0.534	0.944	31.66	0.050	66.61	30.39	45.2	0.250
5/17/2025 8:00	17.5	11.12	312	5.27	216	0.00	-0.05	6.27	0.534	0.944	18.12	0.050	53.50	45.18	45.2	0.372
5/17/2025 9:00	16.6	11.05	310	5.37	216	0.00	-0.04	5.92	0.534	0.944	-5.10	0.050	32.68	52.17	45.2	0.430
5/17/2025 10:00	16.8	11.09	316	5.34	216	0.00	-0.04	5.98	0.534	0.944	-0.11	0.050	39.17	50.93	45.2	0.418
5/17/2025 11:00	16.3	11.07	314	5.30	216	0.00	-0.03	5.80	0.534	0.944	-6.89	0.050	31.22	41.79	45.2	0.342
5/17/2025 12:00	17.3	11.09	317	5.27	216	0.00	-0.03	6.17	0.534	0.944	12.90	0.050	48.48	34.36	45.2	0.281
5/17/2025 13:00	15.8	11.18	322	5.21	216	0.00	-0.03	5.68	0.534	0.944	-7.79	0.050	30.87	39.62	45.2	0.324
5/17/2025 14:00	16.4	11.10	316	5.16	216	0.00	-0.03	5.85	0.534	0.944	3.16	0.050	39.81	36.86	45.2	0.303
5/17/2025 15:00	15.9	11.12	317	5.15	216	0.00	-0.03	5.68	0.534	0.944	-4.15	0.050	32.02	39.72	45.2	0.328
5/17/2025 16:00	16.4	11.10	316	5.14	216	0.00	-0.03	5.86	0.534	0.944	5.25	0.050	41.60	34.23	45.2	0.284
5/17/2025 17:00	16.1	11.11	317	5.16	216	0.00	-0.03	5.76	0.534	0.944	-1.18	0.050	34.96	37.81	45.2	0.313
5/17/2025 18:00	16.1	11.09	314	5.16	216	0.00	-0.03	5.74	0.534	0.944	-2.38	0.050	33.25	36.20	45.2	0.301
5/17/2025 19:00	15.9	11.13	318	5.15	216	0.00	-0.04	5.69	0.534	0.944	-4.07	0.050	32.32	36.60	45.2	0.304
5/17/2025 20:00	16.4	11.08	314	5.14	216	0.00	-0.06	5.86	0.534	0.944	5.10	0.050	40.77	33.51	45.2	0.278
5/17/2025 21:00	16.3	11.06	311	5.13	216	0.00	-0.05	5.81	0.534	0.944	2.95	0.050	39.52	35.45	45.2	0.294
5/17/2025 22:00	17.0	10.96	305	5.10	216	0.00	-0.05	6.01	0.534	0.944	15.08	0.050	50.00	37.54	45.2	0.311
5/17/2025 23:00	16.3	11.17	306	5.09	216	0.00	-0.05	5.85	0.534	0.944	7.35	0.050	43.77	43.43	45.2	0.360
5/18/2025 0:00	17.3	11.01	305	5.08	216	0.00	-0.05	6.14	0.534	0.944	22.90	0.050	57.79	44.43	45.2	0.368
5/18/2025 1:00	16.8	10.89	298	5.08	216	0.00	-0.05	5.88	0.534	0.944	9.73	0.050	45.32	50.52	45.2	0.419
5/18/2025 2:00	16.3	10.90	300	5.07	216	0.00	-0.05	5.73	0.534	0.944	2.53	0.050	38.76	48.96	45.2	0.406
5/18/2025 3:00	16.5	10.92	302	5.05	216	0.00	-0.05	5.80	0.534	0.944	7.50	0.050	44.29	47.29	45.2	0.392
5/18/2025 4:00	16.2	10.93	302	4.99	216	0.00	-0.05	5.71	0.534	0.944	5.79	0.050	41.05	42.79	45.2	0.355
5/18/2025 5:00	16.4	10.91	299	5.04	216	0.00	-0.05	5.76	0.534	0.944	5.81	0.050	41.78	41.37	45.2	0.343
5/18/2025 6:00	15.0	10.99	304	4.98	216	0.00	-0.05	5.32	0.534	0.944	-13.66	0.050	23.16	42.38	45.2	0.352
5/18/2025 7:00	16.0	11.03	307	5.00	216	0.00	-0.05	5.68	0.534	0.944	4.27	0.050	39.16	35.33	45.2	0.293
5/18/2025 8:00	16.8	11.09	310	5.02	216	0.00	-0.05	6.00	0.534	0.944	19.02	0.050	53.91	34.70	45.2	0.289
5/18/2025 9:00	16.3	11.13	312	5.03	216	0.00	-0.05	5.85	0.534	0.944	10.64	0.050	45.65	38.75	45.2	0.323
5/18/2025 10:00	17.3	11.06	308	5.06	216	0.00	-0.06	6.15	0.534	0.944	24.56	0.050	60.80	46.24	45.2	0.386
5/18/2025 11:00	17.1	11.08	309	5.09	216	0.00	-0.05	6.10	0.534	0.944	20.08	0.050	55.40	53.46	45.2	0.444
5/18/2025 12:00	16.8	11.11	312	5.10	216	0.00	-0.03	6.01	0.534	0.944	14.74	0.050	50.44	53.95	45.2	0.449
5/18/2025 13:00	16.3	11.10	311	5.07	216	0.00	-0.03	5.82	0.534	0.944	7.31	0.050	43.22	55.55	45.2	0.461
5/18/2025 14:00	16.7	11.06	308	5.06	216	0.00	-0.03	5.94	0.534	0.944	13.72	0.050	49.47	49.69	45.2	0.413

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/18/2025 15:00	16.8	11.05	307	5.06	216	0.00	-0.03	5.96	0.534	0.944	15.25	0.050	50.59	47.71	45.2	0.397
5/18/2025 16:00	17.0	11.02	306	5.04	216	0.00	-0.02	6.04	0.534	0.944	20.01	0.050	55.06	47.76	45.2	0.399
5/18/2025 17:00	17.2	10.88	297	5.00	216	0.00	3.58	6.04	0.534	0.944	22.50	0.050	58.35	51.71	45.2	0.433
5/18/2025 18:00	18.4	10.79	289	4.99	216	0.00	10.08	6.38	0.534	0.944	42.06	0.050	76.95	54.66	45.2	0.455
5/18/2025 19:00	17.0	10.73	284	5.01	216	0.00	8.20	5.87	0.534	0.944	14.03	0.050	49.43	63.45	45.2	0.527
5/18/2025 20:00	17.7	10.54	263	5.03	216	0.00	14.29	6.01	0.534	0.944	21.62	0.050	57.00	61.57	45.2	0.511
5/18/2025 21:00	17.8	10.60	268	5.12	216	0.00	15.26	6.09	0.534	0.944	20.19	0.050	55.25	61.12	45.2	0.507
5/18/2025 22:00	17.1	10.79	283	5.06	216	0.00	11.13	5.93	0.534	0.944	14.13	0.050	49.57	53.89	45.2	0.449
5/18/2025 23:00	17.1	10.97	282	5.16	216	0.00	12.08	6.03	0.534	0.944	13.99	0.050	49.50	53.94	45.2	0.451
5/19/2025 0:00	17.5	10.67	272	5.24	216	0.00	16.48	6.03	0.535	0.942	8.23	0.050	44.05	51.44	45.2	0.433
5/19/2025 1:00	17.6	10.59	263	5.24	216	0.00	24.84	6.01	0.535	0.942	7.72	0.050	44.06	47.71	45.2	0.400
5/19/2025 2:00	18.3	10.53	250	5.22	216	0.00	22.02	6.19	0.535	0.942	19.85	0.050	55.20	45.87	45.2	0.383
5/19/2025 3:00	16.5	10.74	267	4.74	210	0.00	18.50	5.70	0.535	0.942	22.56	0.050	57.45	47.77	45.2	0.397
5/19/2025 4:00	13.9	10.82	278	4.50	206	0.00	14.45	4.84	0.535	0.942	-12.04	0.050	28.47	52.24	45.2	0.434
5/19/2025 5:00	13.7	10.89	284	4.52	206	0.00	12.79	4.79	0.535	0.942	-16.06	0.050	22.51	47.04	45.2	0.391
5/19/2025 6:00	14.1	10.98	289	4.50	206	0.00	12.27	4.98	0.535	0.942	-3.99	0.050	33.75	36.14	45.2	0.300
5/19/2025 7:00	14.3	11.21	302	4.49	207	0.00	11.97	5.17	0.535	0.942	6.79	0.050	42.51	28.24	45.2	0.236
5/19/2025 8:00	14.5	11.32	314	4.36	206	0.00	10.21	5.29	0.535	0.942	20.90	0.050	55.92	32.92	45.2	0.276
5/19/2025 9:00	13.2	11.28	319	4.04	206	0.00	10.20	4.79	0.535	0.942	12.92	0.050	48.85	44.06	45.2	0.371
5/19/2025 10:00	13.5	11.34	324	4.00	207	0.00	7.39	4.91	0.535	0.942	21.31	0.050	57.27	49.09	45.2	0.413
5/19/2025 11:00	13.9	11.24	319	4.00	206	0.00	10.89	5.02	0.535	0.942	27.62	0.050	63.00	54.01	45.2	0.455
5/19/2025 12:00	13.6	11.26	323	4.00	206	0.00	7.24	4.91	0.535	0.942	21.57	0.050	57.05	56.37	45.2	0.474
5/19/2025 13:00	13.8	11.20	321	4.03	210	0.00	6.70	4.96	0.535	0.942	22.29	0.050	57.18	59.11	45.2	0.496
5/19/2025 14:00	13.1	11.17	320	4.07	211	0.00	8.88	4.72	0.535	0.942	7.68	0.050	43.27	59.08	45.2	0.494
5/19/2025 15:00	13.7	11.11	315	4.05	211	0.00	11.82	4.89	0.535	0.942	17.85	0.050	52.77	52.50	45.2	0.439
5/19/2025 16:00	13.7	11.10	316	4.02	211	0.00	12.58	4.90	0.535	0.942	20.35	0.050	57.02	51.07	45.2	0.426
5/19/2025 17:00	13.5	11.14	319	4.03	211	0.00	10.87	4.85	0.535	0.942	17.10	0.050	52.83	51.02	45.2	0.426
5/19/2025 18:00	13.4	11.20	323	4.01	211	0.00	9.00	4.82	0.535	0.942	16.21	0.050	51.34	54.20	45.2	0.454
5/19/2025 19:00	13.2	11.20	323	3.98	211	0.00	6.73	4.77	0.535	0.942	15.48	0.050	50.60	53.73	45.2	0.452
5/19/2025 20:00	12.6	11.20	322	3.99	211	0.00	6.22	4.56	0.535	0.942	3.92	0.050	40.37	51.59	45.2	0.435
5/19/2025 21:00	12.5	11.30	325	4.00	211	0.00	5.80	4.55	0.535	0.942	2.92	0.050	39.68	47.44	45.2	0.400
5/19/2025 22:00	12.7	11.33	323	4.05	211	0.00	5.82	4.64	0.535	0.942	5.28	0.050	43.46	43.55	45.2	0.367
5/19/2025 23:00	12.8	11.29	322	4.05	211	0.00	5.70	4.65	0.535	0.942	5.53	0.050	41.06	41.17	45.2	0.348
5/20/2025 0:00	12.4	11.07	310	4.07	211	0.00	5.82	4.43	0.535	0.942	-6.95	0.050	30.90	41.40	45.2	0.350
5/20/2025 1:00	13.3	10.89	301	4.03	211	0.00	5.81	4.65	0.535	0.942	6.93	0.050	42.81	38.47	45.2	0.326
5/20/2025 2:00	13.1	10.88	300	4.03	211	0.00	5.80	4.59	0.535	0.942	3.71	0.050	39.56	38.26	45.2	0.325
5/20/2025 3:00	14.6	10.89	299	4.06	211	0.00	5.78	5.13	0.535	0.942	30.43	0.050	65.46	37.75	45.2	0.321
5/20/2025 4:00	17.5	10.90	300	4.11	211	0.00	5.93	6.14	0.535	0.942	80.90	0.050	115.79	49.28	45.2	0.417
5/20/2025 5:00	16.0	10.91	299	4.12	211	0.00	7.50	5.63	0.535	0.942	53.65	0.050	88.59	73.60	45.2	0.622
5/20/2025 6:00	14.8	11.00	304	4.12	211	0.00	7.50	5.24	0.535	0.942	32.21	0.050	67.12	89.95	45.2	0.758
5/20/2025 7:00	14.7	10.95	305	4.15	211	0.00	7.40	5.17	0.535	0.942	27.22	0.050	62.54	90.50	45.2	0.764
5/20/2025 8:00	15.4	11.00	307	4.18	211	0.00	7.45	5.46	0.535	0.942	39.87	0.050	74.75	72.75	45.2	0.614
5/20/2025 9:00	15.8	11.05	311	4.21	211	0.00	7.40	5.60	0.535	0.942	45.87	0.050	80.76	68.14	45.2	0.573
5/20/2025 10:00	15.4	10.96	307	4.22	211	0.00	7.50	5.44	0.535	0.942	36.45	0.050	71.41	72.69	45.2	0.608
5/20/2025 11:00	14.5	10.96	306	4.20	211	0.00	7.48	5.10	0.535	0.942	20.32	0.050	55.51	75.64	45.2	0.629
5/20/2025 12:00	13.0	11.13	315	4.18	211	0.00	7.38	4.66	0.535	0.942	-1.85	0.050	35.32	69.23	45.2	0.575
5/20/2025 13:00	13.6	11.28	325	4.20	211	0.00	7.52	4.92	0.535	0.942	10.80	0.050	46.30	54.08	45.2	0.450
5/20/2025 14:00	11.9	11.38	329	4.16	211	0.00	7.50	4.36	0.535	0.942	-15.79	0.050	24.33	45.71	45.2	0.381
5/20/2025 15:00	12.7	11.27	326	4.14	211	0.00	7.50	4.60	0.535	0.942	-2.15	0.050	34.91	35.31	45.2	0.294
5/20/2025 16:00	13.4	10.95	309	4.18	211	0.00	7.46	4.72	0.535	0.942	1.99	0.050	38.19	35.18	45.2	0.293
5/20/2025 17:00	13.6	10.92	309	4.16	211	0.00	7.43	4.78	0.535	0.942	5.52	0.050	40.93	32.47	45.2	0.270
5/20/2025 18:00	13.3	10.88	308	4.15	211	0.00	7.48	4.67	0.535	0.942	0.37	0.050	37.25	38.01	45.2	0.317
5/20/2025 19:00	13.4	10.98	313	4.16	211	0.00	7.51	4.75	0.535	0.942	4.24	0.050	39.24	38.79	45.2	0.324
5/20/2025 20:00	14.0	11.02	316	4.10	211	0.00	7.51	4.96	0.535	0.942	18.35	0.050	54.34	39.14	45.2	0.329
5/20/2025 21:00	13.9	11.30	327	4.14	211	0.00	7.47	5.05	0.535	0.942	20.50	0.050	55.97	43.61	45.2	0.370
5/20/2025 22:00	14.4	11.46	334	4.24	211	0.00	7.51	5.30	0.535	0.942	26.81	0.050	61.73	49.85	45.2	0.428
5/20/2025 23:00	15.2	11.38	335	4.28	211	0.00	7.52	5.55	0.535	0.942	37.05	0.050	71.94	57.34	45.2	0.498
5/21/2025 0:00	15.9	11.43	339	4.28	211	0.00	7.46	5.86	0.535	0.942	52.16	0.050	87.09	63.21	45.3	0.549
5/21/2025 1:00	16.8	11.44	339	4.24	211	0.00	6.36	6.18	0.535	0.942	70.05	0.050	104.94	73.59	45.3	0.637
5/21/2025 2:00	16.5	11.39	335	4.26	211	0.00	5.72	6.06	0.535	0.942	63.12	0.050	98.01	87.99	45.3	0.759
5/21/2025 3:00	17.1	11.33	332	4.29	211	0.00	5.84	6.25	0.535	0.942	71.35	0.050	106.24	96.68	45.3	0.833
5/21/2025 4:00	17.4	11.33	332	4.27	211	0.00	5.86	6.34	0.535	0.942	77.22	0.050	112.11	103.07	45.3	0.889
5/21/2025 5:00	17.3	11.35	332	4.26	211	0.00	5.86	6.33	0.535	0.942	76.66	0.050	111.55	105.45	45.3	0.911
5/21/2025 6:00	19.8	11.45	336	4.28	211	0.00	5.76	7.30	0.535	0.942	122.65	0.050	157.54	109.97	45.3	0.951
5/21/2025 7:00	15.8	11.46	338	4.28	211	0.00	5.79	5.82	0.535	0.942	50.41	0.050	85.71	127.07	45.3	1.102
5/21/2025 8:00	14.1	11.52	343	4.27	211	0.00	5.86	5.24	0.535	0.942	21.91	0.050	56.99	118.27	45.3	1.027
5/21/2025 9:00	15.0	11.39	332	4.28	223	0.00	5.84	5.48	0.535	0.942	32.76	0.050	67.65	100.08	45.3	0.868
5/21/2025 10:00	17.5	10.75	296	4.24	249	0.61	5.71	6.04	0.535	0.942	26.22	0.050	76.11	70.12	45.3	0.605
5/21/2025 11:00	30.8	10.49	284	4.27	222	3.15	5.76	10.39	0.535	0.942	92.11	0.050	128.97	66.92	45.3	0.574
5/21/2025 12:00	34.0	10.57	289	4.29	216	3.30	5.88	11.56	0.535	0.942	142.91	0.050	177.80	90.91	45.3	0.773
5/21/2025 13:00	34.2	10.54	289	4.29	215	3.24	5.93	11.59	0.535	0.942	149.27	0.050	184.16	127.63	45.4	1.082
5/21/2025 14:00	33.9	10.57	291	4.34	208	3.21	5.90	11.54	0.535	0.942	146.13	0.050	181.02	163.64	45.4	1.386
5/21/2025 15:00	34.2	10.56	291	4.33	208	3.18	5.90	11.62	0.535	0.942	153.55	0.050	188.44	180.99	45.4	1.536
5/21/2025 16:00	33.8	10.72	300	4.32	201	3.12	6.33	11.66	0.535	0.942	159.83	0.050	194.72	184.54	45.4	1.573
5/21/2025 17:00	34.2	10.74	303	4.27	200	3.11	7.49	11.82	0.535	0.942	171.03	0.050	205.92	188.06	45.4	1.599
5/21/2025 18:00	36.6	10.57	294	4.24	200	3.11	7.54	12.44	0.535	0.942	210.61	0.050	245.50	196.36	45.5	1.668
5/21/2025 19:00	34.5	10.63	298	4.20	200	3.10	7.60	11.81	0.535	0.942	177.64	0.050	212.53	215.38	45.5	1.824
5/21/2025 20:00	33.5	10.79	305	4.19	200	3.08	7.39	11.63	0.535	0.942	167.32	0.050	202.21	221.32	45.5	1.880
5/21/2025 21:00	33.3	10.87	308	4.17	200	3.07	7.44	11.64	0.535	0.942	168.82	0.050	203.70	220.08	45.5	1.872
5/21/2025 22:00	32.9	10.97	305	4.16	200	3.12	7.45	11.60	0.535	0.942	165.35	0.050	200.24	206.15	45.5	1.752
5/21/2025 23:00	34.3	10.74	302	4.14	200	3.10	7.51	11.85	0.535	0.942	182.43	0.050	217.32	202.05	45.6	1.715
5/22/2025 0:00	38.6	10.71	301	4.13	200	3.10	7.37	13.32	0.535	0.942	262.69	0.050	297.58	207.09	45.6	1.764
5/22/2025 1:00	36.9	10.65	299	4.12	200	3.12	7.44	12.64	0.535	0.942	226.44	0.050	261.33	238.38	45.6	2.041
5/22/2025 2:00	35.1	11.15	327	4.11	200	3.10	7.64	12.59	0.535	0.942	213.54	0.050	248.43	258.74	45.7	2.204
5/22/2025 3:00	36.4	10.97	316	4.09	200	3.08	7.51	12.85	0.535	0.942	234.18	0.050	269.07	269.11	45.7	2.282
5/22/2025 4:00	38.3	10.95	315	4.08	200	3.07	7.46	13.51	0.535	0.942	269.67	0.050	304.56	259.61	45.7	2.186
5/22/2025 5:00	37.6	11.01	317	4.07	200	3.05	10.85	13.33	0.535	0.942	262.64	0.050	297.53	274.02	45.8	2.315
5/22/2025 6:00	40.2	11.06	321	4.04	201	3.02	13.14	14.32	0.535	0.942	318.12	0.050	353.01	290.39	45.8	2.452
5/22/2025 7:00	29.5	10.97	316	4.04	201	2.99	12.83	10.43	0.535	0.942	114.75	0.050	150.57	318.37	45.8	2.703
5/22/2025 8:00	25.0	10.61	296	4.04	201	2.96	12.83	8.53	0.535	0.942	19.72	0.050	55.94	267.04	45.8	2.270
5/22/2025 9:00	23.2	10.62	298	4.04	201	2.93	12.84	7.91	0.535	0.942	-13.14	0.050	25.12	186.50	45.8	1.577
5/22/2025 10:00	22.2	10.57	295	4.03	202	2.88	12.83	7.56	0.535	0.942	-28.06	0.050	14.65	77.21	45.8	0.648
5/22/2025 11:00	21.0	10.60	297	4.00	202	2.86	12.83	7.17	0.535	0.942	-47.00	0.050	7.85	31.90	45.8	0.266
5/22/2025 12:00	22.9	10.79	303	3.96	203	2.80	12.81	7.95	0.535	0.942	1.59	0.050	44.30	15.87	45.8	0.133
5/22/2025 13:00	20.8	10.71	299	3.91	203	2.75	12.84	7.16	0.535	0.942	-34.38	0.050	14.59	22.27	45.8	0.185
5/22/2025 14:00	22.0	10.58	293	3.86	211	2.72	12.83	7.50	0.535	0.942	-9.88	0.050	28.69	22.25	45.8	0.187
5/22/2025 15:00	21.4	10.57	293	3.83	213	2.71	12.83	7.27	0.535	0.942	-20.10	0.050	21.43	29.19	45.8	0.246
5/22/2025 16:00	21.4	10.53	291	3.89	213	2.69	12.83	7.25	0.535	0.942	-23.13	0.050	18.50	21.57	45.8	0.184
5/22/2025 17:00	21.4	10.42	286	3.90	211	2.85	12.83	7.17	0.535	0.942	-40.06	0.050	9.89	22.87	45.8	0.193
5/22/2025 18:00	23.7	10.46	288	3.90	208	3.20	12.83	7.98	0.535	0.942	-19.07	0.050	22.57	16.60	45.8	0.140
5/22/2025 19:00	26.0	10.56	292	3.90	209	3.09	12.83	8.83	0.535	0.942	34.76	0.050	70.14	16.98	45.8	0.143
5/22/2025 20:00	28.3	10.42	284	3.90	210	3.02	12.83	9.51	0.535	0.942	77.78	0.050	112.67	34.20	45.8	0.288
5/22/2025 21:00	29.1	10.32	275	3.80	209	3.05	12.83	9.68	0.535	0.942	93.34	0.050	128.23	68.46	45.8	0.576
5/22/2025 22:00	26.7	10.32	275	3.65	209	3.07	12.84	8.85	0.535	0.942	55.20	0.050	90.21	103.68	45.8	0.868
5/22/2025 23:00	25.0	10.36	272	3.78	209	3.08	12.84	8.34	0.535	0.942	16.81	0.050	53.21	110.37	45.8	0.921
5/23/2025 0:00	26.3	10.16	267	3.73	210	3.03	12.84	8.61	0.535	0.942	38.98	0.050	74.15	90.55	45.8	0.751
5/23/2025 1:00	24.3	10.15	268	3.71	210	3.00	12.83	7.94	0.535	0.942	4.83	0.050	42.17	72.52	45.8	0.602
5/23/2025 2:00	23.0	10.18	270	3.68	210	3.02	12.83	7.53	0.535	0.942	-19.15	0.050	24.66	56.51	45.8	0.470
5/23/2025 3:00	22.2	10.18	271	3.65	210	3.03	12.84	7.28	0.535	0.942	-31.69	0.050	16.77	46.99	45.8	0.392
5/23/2025 4:00	21.7	10.25	277	3.59	210	2.99	12.83	7.15	0.535	0.942	-32.34	0.050	14.62	27.87	45.8	0.233
5/23/2025 5:00	20.9	10.36	284	3.57	210	2.99	12.84	6.97	0.535	0.942	-40.30	0.050	9.95	18.68	45.8	0.157
5/23/2025 6:00	21.2	10.35	282	3.55	210	2.97	12.83	7.07	0.535	0.942	-31.88	0.050	15.90	13.78	45.8	0.116
5/23/2025 7:00	22.1	10.34	284	3.52	210	2.95	12.83	7.35	0.535	0.942	-13.44	0.050	23.57	13.49	45.8	0.113
5/23/2025 8:00	22.3	10.37	282	3.50	210	2.95	12.83	7.44	0.535	0.942	-7.45	0.050	32.06	16.47	45.8	0.139
5/23/2025 9:00	22.6	10.05	254	3.50	210	2.95	12.82	7.30	0.535	0.942	-15.76	0.050	24.77	23.84	45.8	0.201
5/23/2025 10:00	22.8	9.95	246	3.46	211	2.93	12.83	7.31	0.535	0.942	-11.71	0.050	28.64	26.80	45.8	0.225
5/23/2025 11:00	22.5	9.95	248	3.47	211	2.92	12.86	7.20	0.535	0.942	-17.42	0.050	22.99	28.49	45.8	0.238
5/23/2025 12:00	22.6	9.89	242	3.45	211	2.90	12.83	7.21	0.535	0.942	-14.53	0.050	22.51	25.46	45.8	0.212
5/23/2025 13:00	21.9	9.94	245	3.42	211	2.91	12.83	7.01	0.535	0.942	-24.41	0.050	17.08	24.71	45.8	0.205
5/23/2025 14:00	22.0	10.03	256	3.38	211	2.90	12.83	7.10	0.535	0.942	-16.16	0.050	24.58	20.86	45.8	0.173
5/23/2025 15:00	21.2	10.03	254	3.36	211	2.88	12.84	6.83	0.535	0.942	-29.48	0.050	15.88	21.39	45.8	0.177
5/23/2025 16:00	21.4	10.06	256	3.33	211	2.87	12.83	6.92	0.535	0.942	-20.37	0.050	21.49	19.18	45.8	0.159
5/23/2025 17:00	20.6	10.21	271	3.34	211	2.87	12.84	6.77	0.535	0.942	-29.27	0.050	15.87	20.65	45.8	0.171
5/23/2025 18:00	21.6	10.20	272	3.34	211	2.88	12.83	7.10	0.535	0.942	-11.30	0.050	29.34	17.75	45.8	0.147
5/23/2025 19:00	20.5	10.17	269	3.31	211	2.84	12.83	6.71	0.535	0.942	-29.41	0.050	16.63	22.23	45.7	0.183
5/23/2025 20:00	21.1	10.01	254	3.29	212	2.85	12.16	6.79	0.535	0.942	-24.53	0.050	19.97	20.61	45.7	0.169
5/23/2025 21:00	20.3	10.04	260	3.27	211	2.87	5.77	6.57	0.535	0.942	-37.44	0.050	12.34	21.98	45.7	0.180

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/23/2025 22:00	20.6	10.04	259	3.28	211	2.86	5.85	6.66	0.535	0.942	-31.31	0.050	12.99	16.31	45.7	0.134
5/23/2025 23:00	20.7	10.05	262	3.27	211	2.92	5.80	6.68	0.535	0.942	-33.47	0.010	5.63	15.10	45.7	0.124
5/24/2025 0:00	20.6	10.18	267	3.30	211	2.89	5.86	6.76	0.535	0.942	-28.79	0.010	3.73	10.32	45.7	0.084
5/24/2025 1:00	19.6	10.17	260	3.23	211	2.87	5.76	6.41	0.535	0.942	-43.86	0.010	1.76	7.45	45.7	0.061
5/24/2025 2:00	20.1	10.11	263	3.21	211	2.86	5.67	6.55	0.535	0.942	-33.10	0.010	3.23	3.71	45.7	0.030
5/24/2025 3:00	19.6	10.08	261	3.15	211	2.86	5.78	6.37	0.535	0.942	-39.37	0.010	0.77	2.90	45.7	0.024
5/24/2025 4:00	20.1	10.07	259	3.14	211	2.93	5.81	6.51	0.535	0.942	-36.46	0.010	2.98	1.92	45.7	0.016
5/24/2025 5:00	19.8	10.10	264	3.19	205	2.98	5.80	6.43	0.535	0.942	-47.71	0.010	2.82	2.33	45.7	0.019
5/24/2025 6:00	19.3	10.13	269	3.20	201	2.94	5.71	6.28	0.535	0.942	-53.69	0.010	2.66	2.19	45.7	0.018
5/24/2025 7:00	21.3	10.12	269	3.19	201	2.92	5.85	6.95	0.535	0.942	-13.32	0.010	25.84	2.82	45.7	0.023
5/24/2025 8:00	23.0	10.20	276	3.17	202	2.91	5.81	7.54	0.535	0.942	22.09	0.010	33.44	10.44	45.7	0.086
5/24/2025 9:00	22.8	10.14	272	3.17	202	2.90	5.82	7.43	0.535	0.942	16.54	0.010	30.25	20.65	45.7	0.169
5/24/2025 10:00	23.2	10.12	271	3.19	202	2.89	5.77	7.55	0.535	0.942	22.96	0.010	35.40	29.84	45.7	0.245
5/24/2025 11:00	22.4	10.09	269	3.18	202	2.87	5.87	7.29	0.535	0.942	10.17	0.010	23.98	33.03	45.7	0.271
5/24/2025 12:00	21.8	10.29	285	3.20	202	2.86	5.82	7.24	0.535	0.942	6.45	0.010	20.37	29.88	45.7	0.246
5/24/2025 13:00	20.7	10.37	291	3.17	202	2.82	5.87	6.90	0.535	0.942	-6.91	0.010	14.35	26.58	45.7	0.217
5/24/2025 14:00	21.2	10.37	292	3.16	203	2.77	5.81	7.09	0.535	0.942	6.94	0.010	22.49	19.57	45.7	0.159
5/24/2025 15:00	21.8	10.18	281	3.13	203	2.77	6.10	7.15	0.535	0.942	11.81	0.010	25.58	19.07	45.7	0.155
5/24/2025 16:00	21.6	10.15	279	3.08	199	2.83	5.24	7.07	0.535	0.942	6.78	0.010	22.01	20.81	45.7	0.169
5/24/2025 17:00	21.5	10.14	277	3.07	202	2.83	4.91	7.01	0.535	0.942	4.11	0.010	21.28	23.36	45.7	0.191
5/24/2025 18:00	21.1	10.12	274	3.06	202	2.86	4.47	6.86	0.535	0.942	-5.78	0.010	20.12	22.96	45.7	0.187
5/24/2025 19:00	21.6	10.12	269	3.09	202	2.86	4.07	7.04	0.535	0.942	2.32	0.010	20.20	21.14	45.7	0.173
5/24/2025 20:00	22.0	10.15	271	3.10	202	2.87	4.03	7.18	0.535	0.942	9.15	0.010	23.34	20.53	45.7	0.168
5/24/2025 21:00	21.7	10.12	268	3.12	202	2.85	3.76	7.08	0.535	0.942	4.12	0.010	20.46	21.22	45.7	0.174
5/24/2025 22:00	21.8	10.15	264	3.11	203	2.79	3.25	7.12	0.535	0.942	10.34	0.010	24.90	21.33	45.6	0.174
5/24/2025 23:00	21.3	10.13	258	3.09	202	2.82	3.26	6.95	0.535	0.942	0.09	0.010	19.47	22.90	45.6	0.187
5/25/2025 0:00	21.5	10.16	257	3.19	203	2.79	3.16	7.04	0.535	0.942	0.51	0.010	21.31	21.61	45.6	0.176
5/25/2025 1:00	21.9	10.08	257	3.15	203	2.81	3.18	7.12	0.535	0.942	6.95	0.010	23.48	21.89	45.6	0.179
5/25/2025 2:00	21.7	10.11	259	3.15	202	2.90	3.18	7.06	0.535	0.942	-2.60	0.010	15.30	21.42	45.6	0.176
5/25/2025 3:00	21.1	10.28	277	3.14	202	2.91	3.19	6.99	0.535	0.942	-6.86	0.010	14.75	20.03	45.6	0.165
5/25/2025 4:00	21.5	10.16	264	3.15	201	2.95	3.32	7.05	0.535	0.942	-7.54	0.010	14.55	17.84	45.6	0.148
5/25/2025 5:00	21.8	10.20	266	3.17	201	2.95	3.21	7.17	0.535	0.942	-2.00	0.010	16.48	14.87	45.6	0.123
5/25/2025 6:00	21.4	10.32	278	3.16	201	2.95	3.30	7.10	0.535	0.942	-4.72	0.010	20.45	15.26	45.6	0.126
5/25/2025 7:00	23.5	10.10	257	3.15	201	2.97	3.25	7.63	0.535	0.942	25.90	0.010	41.66	17.16	45.6	0.141
5/25/2025 8:00	24.4	10.03	254	3.12	201	2.96	3.26	7.88	0.535	0.942	43.16	0.010	53.88	26.19	45.6	0.214
5/25/2025 9:00	24.5	9.93	247	3.13	201	2.92	3.34	7.82	0.535	0.942	41.62	0.010	51.67	38.66	45.6	0.316
5/25/2025 10:00	23.9	9.92	250	3.15	202	2.87	3.52	7.64	0.535	0.942	33.09	0.010	43.79	49.07	45.6	0.398
5/25/2025 11:00	23.5	9.94	253	3.12	202	2.86	3.78	7.53	0.535	0.942	29.35	0.010	41.83	49.78	45.6	0.403
5/25/2025 12:00	23.0	9.92	256	3.14	203	2.72	4.55	7.34	0.535	0.942	27.63	0.010	38.28	45.77	45.6	0.368
5/25/2025 13:00	22.4	9.92	257	3.13	204	2.68	4.65	7.14	0.535	0.942	19.40	0.010	30.65	41.30	45.6	0.332
5/25/2025 14:00	22.2	10.00	256	3.10	203	2.75	3.59	7.14	0.535	0.942	15.29	0.010	29.86	36.92	45.6	0.296
5/25/2025 15:00	22.9	10.05	257	3.05	202	2.84	3.23	7.40	0.535	0.942	26.86	0.010	39.32	32.93	45.6	0.265
5/25/2025 16:00	22.1	10.07	255	3.04	202	2.87	3.25	7.17	0.535	0.942	12.83	0.010	26.98	33.28	45.6	0.269
5/25/2025 17:00	21.5	10.01	254	3.03	202	2.82	3.21	6.93	0.535	0.942	2.85	0.010	19.29	32.05	45.6	0.260
5/25/2025 18:00	21.9	10.00	258	3.03	202	2.82	3.21	7.04	0.535	0.942	9.41	0.010	26.51	28.53	45.6	0.230
5/25/2025 19:00	21.4	10.04	259	3.01	203	2.81	3.16	6.92	0.535	0.942	3.89	0.010	20.54	24.26	45.6	0.196
5/25/2025 20:00	20.9	10.03	257	3.02	203	2.80	3.01	6.74	0.535	0.942	-6.64	0.010	13.25	22.11	45.6	0.178
5/25/2025 21:00	21.0	10.06	259	3.03	203	2.81	1.67	6.79	0.535	0.942	-3.93	0.010	13.58	20.10	45.6	0.162
5/25/2025 22:00	19.6	10.29	276	3.06	202	2.85	1.58	6.49	0.535	0.942	-25.65	0.010	7.83	15.79	45.6	0.127
5/25/2025 23:00	21.4	10.10	259	3.03	202	2.84	1.43	6.97	0.535	0.942	3.62	0.010	22.80	11.56	45.6	0.093
5/26/2025 0:00	21.0	10.19	263	3.06	202	2.84	1.35	6.89	0.535	0.942	-2.58	0.010	16.81	14.74	45.6	0.119
5/26/2025 1:00	20.1	10.33	280	3.09	202	2.83	1.39	6.70	0.535	0.942	-14.33	0.010	9.51	15.81	45.6	0.128
5/26/2025 2:00	20.4	10.33	277	3.08	202	2.86	1.32	6.79	0.535	0.942	-10.64	0.010	14.15	16.37	45.6	0.132
5/26/2025 3:00	20.6	10.30	273	3.10	202	2.87	1.30	6.84	0.535	0.942	-10.07	0.010	12.39	13.49	45.6	0.109
5/26/2025 4:00	20.9	10.02	247	3.10	202	2.90	1.30	6.75	0.535	0.942	-19.03	0.010	8.58	12.02	45.6	0.097
5/26/2025 5:00	22.1	10.04	248	3.12	202	2.88	1.32	7.16	0.535	0.942	6.44	0.010	22.56	11.70	45.6	0.094
5/26/2025 6:00	21.3	10.02	246	3.10	202	2.91	1.24	6.86	0.535	0.942	-13.38	0.010	9.70	14.51	45.6	0.117
5/26/2025 7:00	24.0	10.08	258	3.11	194	2.88	1.29	7.78	0.535	0.942	42.53	0.010	54.55	13.61	45.6	0.110
5/26/2025 8:00	24.3	10.28	285	3.13	184	2.83	2.27	8.06	0.535	0.942	60.32	0.010	70.37	28.94	45.6	0.235
5/26/2025 9:00	23.1	10.32	289	3.13	184	2.80	2.98	7.67	0.535	0.942	39.33	0.010	50.29	44.87	45.6	0.363
5/26/2025 10:00	23.1	10.32	289	3.13	185	2.77	3.56	7.67	0.535	0.942	41.97	0.010	52.81	58.40	45.6	0.474
5/26/2025 11:00	22.5	10.31	290	3.13	185	2.76	3.55	7.47	0.535	0.942	31.81	0.010	44.36	57.82	45.6	0.469
5/26/2025 12:00	23.1	10.33	290	3.15	185	2.75	4.04	7.70	0.535	0.942	43.69	0.010	54.36	49.16	45.6	0.399
5/26/2025 13:00	22.6	10.51	303	3.21	185	2.72	2.32	7.64	0.535	0.942	37.26	0.010	48.26	50.51	45.6	0.410
5/26/2025 14:00	22.8	10.28	291	3.21	185	2.71	4.91	7.54	0.535	0.942	33.68	0.010	44.27	49.00	45.6	0.397
5/26/2025 15:00	21.3	10.44	301	3.23	178	2.71	5.56	7.17	0.535	0.942	11.50	0.010	27.77	48.97	45.6	0.398
5/26/2025 16:00	20.2	10.60	310	3.22	169	2.72	4.13	6.91	0.535	0.942	-3.24	0.010	14.53	40.10	45.6	0.323
5/26/2025 17:00	20.7	10.63	314	3.17	167	2.69	1.80	7.07	0.535	0.942	11.05	0.010	25.18	28.86	45.6	0.233
5/26/2025 18:00	20.3	10.59	314	3.15	167	2.67	1.55	6.93	0.535	0.942	5.77	0.010	22.04	22.49	45.6	0.180
5/26/2025 19:00	19.4	10.55	312	3.09	167	2.63	1.85	6.59	0.535	0.942	-7.11	0.010	15.23	20.58	45.6	0.165
5/26/2025 20:00	19.8	10.56	312	3.12	168	2.62	3.96	6.72	0.535	0.942	-0.50	0.010	20.33	20.81	45.5	0.166
5/26/2025 21:00	16.7	10.65	314	3.12	179	1.83	3.90	5.74	0.535	0.942	-1.24	0.010	21.53	19.20	45.5	0.152
5/26/2025 22:00	9.2	11.04	315	3.09	206	0.00	3.12	3.27	0.535	0.942	-10.09	0.010	11.63	19.03	45.5	0.151
5/26/2025 23:00	9.6	10.70	306	3.10	206	0.00	2.23	3.31	0.535	0.942	-8.64	0.220	13.33	17.83	45.5	0.141
5/27/2025 0:00	9.8	10.50	301	3.13	207	0.00	2.19	3.33	0.535	0.942	-9.67	0.220	18.80	15.49	45.5	0.123
5/27/2025 1:00	10.6	10.50	301	3.13	206	0.00	2.31	3.59	0.535	0.942	4.30	0.220	21.53	14.58	45.5	0.116
5/27/2025 2:00	9.8	10.53	300	3.13	207	0.00	2.20	3.33	0.535	0.942	-9.91	0.220	12.68	17.88	45.5	0.142
5/27/2025 3:00	10.0	10.49	298	3.12	207	0.00	1.98	3.39	0.535	0.942	-6.14	0.220	14.19	17.67	45.5	0.141
5/27/2025 4:00	9.6	10.55	300	3.16	206	0.00	2.10	3.26	0.535	0.942	-15.00	0.220	9.48	16.13	45.5	0.129
5/27/2025 5:00	10.3	10.53	297	3.19	206	0.00	1.81	3.50	0.535	0.942	-3.99	0.220	14.26	12.12	45.5	0.097
5/27/2025 6:00	10.9	10.44	293	3.18	208	0.00	1.68	3.65	0.535	0.942	4.48	0.220	21.22	12.64	45.5	0.101
5/27/2025 7:00	13.0	10.36	290	3.19	217	0.00	2.74	4.33	0.535	0.942	39.79	0.220	51.33	14.98	45.5	0.120
5/27/2025 8:00	13.5	10.25	284	3.21	223	0.00	4.05	4.45	0.535	0.942	44.94	0.220	56.58	28.94	45.5	0.232
5/27/2025 9:00	14.2	10.12	278	3.28	227	0.00	5.05	4.63	0.535	0.942	50.68	0.220	62.33	43.05	45.5	0.346
5/27/2025 10:00	13.8	9.96	276	3.29	229	0.00	5.52	4.42	0.535	0.942	39.03	0.220	50.58	56.75	45.5	0.456
5/27/2025 11:00	14.2	10.12	275	3.25	229	0.00	4.58	4.64	0.535	0.942	52.62	0.220	64.16	56.50	45.5	0.452
5/27/2025 12:00	14.4	10.14	277	3.22	231	0.00	4.07	4.71	0.535	0.942	58.35	0.220	69.89	59.02	45.5	0.473
5/27/2025 13:00	13.6	10.15	274	3.19	234	0.00	4.04	4.83	0.535	0.942	65.77	0.220	77.31	61.54	45.5	0.494
5/27/2025 14:00	13.5	10.09	268	3.16	238	0.00	4.08	4.74	0.535	0.942	63.74	0.220	75.28	70.45	45.5	0.568
5/27/2025 15:00	13.1	10.11	267	3.12	239	0.00	4.20	4.64	0.535	0.942	60.35	0.220	71.89	74.16	45.5	0.597
5/27/2025 16:00	13.8	10.10	267	3.12	239	0.00	3.98	4.88	0.535	0.942	73.33	0.220	84.87	74.83	45.5	0.601
5/27/2025 17:00	13.9	10.11	268	3.12	239	0.00	4.05	4.90	0.535	0.942	73.87	0.220	85.61	77.35	45.5	0.620
5/27/2025 18:00	14.5	10.12	270	3.12	239	0.00	4.00	5.12	0.535	0.942	85.16	0.220	96.74	80.79	45.5	0.649
5/27/2025 19:00	14.6	10.13	275	3.08	239	0.00	4.08	5.18	0.535	0.942	89.64	0.220	101.18	89.07	45.6	0.719
5/27/2025 20:00	14.4	10.15	275	3.04	239	0.00	3.99	5.11	0.535	0.942	88.72	0.220	100.26	94.51	45.6	0.767
5/27/2025 21:00	13.0	10.35	278	2.99	239	0.00	4.05	4.68	0.535	0.942	68.70	0.220	80.24	99.39	45.6	0.809
5/27/2025 22:00	14.4	10.22	272	2.95	239	0.00	4.04	5.12	0.535	0.942	95.20	0.220	106.75	93.89	45.6	0.767
5/27/2025 23:00	14.1	10.14	268	2.85	239	0.00	4.09	4.97	0.535	0.942	94.19	0.220	105.73	95.75	45.6	0.780
5/28/2025 0:00	15.4	10.12	268	2.81	239	0.00	4.06	5.43	0.535	0.942	120.46	0.220	132.00	97.57	45.6	0.791
5/28/2025 1:00	14.9	10.12	267	2.80	239	0.00	4.04	5.27	0.535	0.942	113.46	0.220	125.00	114.82	45.6	0.931
5/28/2025 2:00	14.6	10.12	265	2.86	239	0.00	3.95	5.14	0.535	0.942	102.82	0.220	114.36	120.91	45.6	0.983
5/28/2025 3:00	14.5	10.17	266	2.87	239	0.00	4.09	5.13	0.535	0.942	101.88	0.220	113.42	123.79	45.6	1.011
5/28/2025 4:00	14.9	10.14	262	2.92	239	0.00	4.11	5.29	0.535	0.942	107.98	0.220	119.52	117.60	45.6	0.961
5/28/2025 5:00	16.8	10.11	259	3.00	239	0.00	4.12	5.94	0.535	0.942	139.36	0.220	150.90	115.77	45.6	0.944
5/28/2025 6:00	18.0	10.05	253	3.11	239	0.00	3.97	6.31	0.535	0.942	153.86	0.220	165.40	127.95	45.7	1.042
5/28/2025 7:00	14.8	10.15	261	3.14	239	0.00	3.97	5.26	0.535	0.942	93.46	0.220	105.00	145.27	45.7	1.179
5/28/2025 8:00	12.4	10.16	261	3.22	239	0.00	4.02	4.39	0.535	0.942	41.42	0.220	52.96	140.43	45.7	1.142
5/28/2025 9:00	13.2	10.15	262	3.25	239	0.00	3.99	4.66	0.535	0.942	54.47	0.220	66.01	107.79	45.7	0.876
5/28/2025 10:00	13.0	10.16	262	3.28	239	0.00	4.01	4.59	0.535	0.942	48.91	0.220	60.45	74.66	45.7	0.605
5/28/2025 11:00	12.5	10.25	268	3.29	239	0.00	4.00	4.48	0.535	0.942	41.46	0.220	53.09	59.81	45.7	0.484
5/28/2025 12:00	14.4	10.20	263	3.29	239	0.00	4.16	5.12	0.535	0.942	76.56	0.220	88.10	59.85	45.7	0.482
5/28/2025 13:00	17.8	10.21	265	3.32	239	0.00	3.93	6.34	0.535	0.942	139.41	0.220	150.96	67.21	45.7	0.540
5/28/2025 14:00	18.4	10.16	259	3.35	239	0.00	4.09	6.51	0.535	0.942	148.63	0.220	160.17	97.38	45.7	0.781
5/28/2025 15:00	18.5	10.08	251	3.34	239	0.00	4.09	6.51	0.535	0.942	151.87	0.220	163.41	133.07	45.7	1.069
5/28/2025 16:00	18.4	10.08	253	3.34	239	0.00	4.09	6.46	0.535	0.942	148.77	0.220	160.31	158.18	45.7	1.272
5/28/2025 17:00	18.5	10.15	267	3.35	239	0.00	4.07	6.54	0.535	0.942	147.75	0.220	159.29	161.30	45.7	1.288
5/28/2025 18:00	19.8	10.17	269	3.39	239	0.00	4.13	7.04	0.535	0.942	171.20	0.220	182.74	161.01	45.8	1.285
5/28/2025 19:00	18.7	10.17	264	3.40	239	0.00	4.02	6.62	0.535	0.942	150.18	0.220	161.72	167.45	45.8	1.333
5/28/2025 20:00	19.0	10.16	262	3.39	239	0.00	4.08	6.74	0.535	0.942	157.77	0.220	169.31	167.92	45.8	1.330
5/28/2025 21:00	18.5	10.33	264	3.42	239	0.00	4.10	6.68	0.535	0.942	152.27	0.220	163.81	171.26	45.8	1.351
5/28/2025 22:00	19.7	10.19	250	3.48	239	0.00	4.06	7.00	0.535	0.942	170.47	0.220	182.02	164.95	45.8	1.294
5/28/2025 23:00	20.8	10.24	257	3.50	239	0.00	4.07	7.42	0.535	0.942	189.62	0.220	201.16	171.71	45.8	1.353
5/29/2025 0:00	20.8	10.42	274	3.53	239	0.00	4.02	7.58	0.535	0.942	190.07	0.220	201.61	182.33	45.9	1.442
5/29/2025 1:00	19.5	10.30	268	3.51	239	0.00	4.17	7.02	0.535	0.942	163.45	0.220	174.99	194.93	45.9	1.541
5/29/2025 2:00	19.0	10.34	270	3.49	239	0.00	4.10	6.84	0.535	0.942	154.63	0.220	166.17	192.59	45.9	1.523
5/29/2025 3:00	18.5	10.28	266	3.47	239	0.00	4.09	6.64	0.535	0.942	145.94	0.220	157.48	180.92	45.9	1.422
5/29/2025 4:00	18.3	10.27	264	3.53	239	0.00	4.07	6.55	0.535	0.942	138.35	0.220	149.89	166.21	45.9	1.315

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
5/29/2025 5:00	19.5	10.20	263	3.52	239	0.00	4.06	6.92	0.535	0.942	159.21	0.220	170.75	157.85	45.9	1.252
5/29/2025 6:00	18.7	10.15	264	3.51	239	0.00	4.00	6.63	0.535	0.942	144.02	0.220	155.56	159.38	46.0	1.265
5/29/2025 7:00	14.8	10.18	268	3.51	239	0.00	4.90	5.26	0.535	0.942	70.23	0.220	83.23	158.74	46.0	1.252
5/29/2025 8:00	11.0	10.19	273	3.44	239	0.00	5.73	3.93	0.535	0.942	3.71	0.220	19.07	136.52	46.0	1.069
5/29/2025 9:00	11.2	10.30	281	3.41	239	0.00	5.72	4.01	0.535	0.942	9.98	0.220	26.53	85.95	46.0	0.669
5/29/2025 10:00	11.0	10.35	285	3.38	239	0.00	5.71	3.96	0.535	0.942	8.55	0.220	25.08	42.94	46.0	0.333
5/29/2025 11:00	11.7	10.28	280	3.36	243	0.00	5.78	4.19	0.535	0.942	21.85	0.220	37.26	23.56	45.9	0.183
5/29/2025 12:00	12.6	10.22	279	3.33	243	0.00	5.69	4.50	0.535	0.942	39.21	0.220	51.35	29.62	45.9	0.229
5/29/2025 13:00	12.8	10.20	277	3.29	241	0.00	6.03	4.55	0.535	0.942	44.78	0.220	56.32	37.89	46.0	0.294
5/29/2025 14:00	11.0	10.74	311	3.29	239	0.00	6.12	4.12	0.535	0.942	20.79	0.220	34.51	48.31	45.9	0.375
5/29/2025 15:00	10.5	10.95	325	3.31	242	0.00	5.77	4.00	0.535	0.942	13.70	0.220	27.63	47.39	45.9	0.370
5/29/2025 16:00	10.5	10.34	286	3.33	243	0.00	5.77	3.78	0.535	0.942	2.50	0.220	18.27	39.49	45.9	0.308
5/29/2025 17:00	11.6	10.02	267	3.32	243	0.00	5.72	4.05	0.535	0.942	17.21	0.220	31.47	26.80	45.9	0.209
5/29/2025 18:00	10.9	9.99	264	3.38	243	0.00	5.66	3.78	0.535	0.942	-0.26	0.220	15.53	25.79	45.9	0.201
5/29/2025 19:00	10.6	10.05	264	3.36	243	0.00	5.73	3.71	0.535	0.942	-3.19	0.220	16.09	21.76	45.9	0.168
5/29/2025 20:00	10.8	9.87	249	3.35	243	0.00	5.78	3.71	0.535	0.942	-2.47	0.220	17.58	21.03	45.9	0.162
5/29/2025 21:00	10.2	9.89	251	3.36	243	0.00	5.79	3.51	0.535	0.942	-13.81	0.220	10.86	16.40	45.9	0.126
5/29/2025 22:00	10.1	10.03	254	3.36	243	0.00	5.74	3.54	0.535	0.942	-11.88	0.220	9.97	14.84	45.9	0.114
5/29/2025 23:00	9.7	10.02	253	3.36	243	0.00	5.84	3.40	0.535	0.942	-20.39	0.220	9.98	12.80	45.9	0.098
5/30/2025 0:00	10.8	10.04	257	3.38	243	0.00	5.82	3.79	0.535	0.942	-0.35	0.220	18.39	10.27	45.9	0.079
5/30/2025 1:00	9.8	9.94	249	3.40	243	0.00	5.76	3.41	0.535	0.942	-22.09	0.220	7.53	12.78	45.9	0.099
5/30/2025 2:00	10.0	9.90	246	3.39	243	0.00	5.81	3.44	0.535	0.942	-20.12	0.220	7.80	11.97	45.9	0.093
5/30/2025 3:00	10.4	9.83	244	3.38	243	0.00	5.78	3.57	0.535	0.942	-12.49	0.220	12.13	11.24	45.9	0.087
5/30/2025 4:00	10.5	9.89	250	3.37	243	0.00	5.81	3.64	0.535	0.942	-7.42	0.220	14.22	9.15	45.9	0.071
5/30/2025 5:00	10.0	9.88	249	3.35	243	0.00	5.81	3.44	0.535	0.942	-17.73	0.220	6.79	11.38	45.9	0.088
5/30/2025 6:00	9.7	9.88	251	3.33	243	0.00	5.80	3.33	0.535	0.942	-22.13	0.220	5.47	11.04	45.9	0.085
5/30/2025 7:00	12.0	9.89	254	3.31	243	0.00	5.74	4.12	0.535	0.942	21.97	0.220	42.35	8.83	45.9	0.068
5/30/2025 8:00	13.6	9.87	256	3.28	243	0.00	5.70	4.69	0.535	0.942	54.50	0.220	66.56	18.20	45.9	0.142
5/30/2025 9:00	13.6	9.87	258	3.29	243	0.00	5.72	4.69	0.535	0.942	53.38	0.220	64.92	38.13	45.9	0.298
5/30/2025 10:00	13.2	9.86	257	3.33	243	0.00	5.83	4.54	0.535	0.942	43.26	0.220	55.29	57.94	45.9	0.455
5/30/2025 11:00	12.9	9.71	243	3.35	243	-0.01	6.42	4.38	0.535	0.942	34.67	0.220	47.03	62.26	45.9	0.487
5/30/2025 12:00	13.4	9.82	254	3.35	243	-0.01	6.35	4.60	0.535	0.942	45.33	0.220	57.76	55.75	45.9	0.441
5/30/2025 13:00	13.3	9.74	257	3.37	243	-0.01	6.34	4.51	0.535	0.942	39.43	0.220	51.31	53.36	45.9	0.406
5/30/2025 14:00	13.2	9.69	254	3.40	245	-0.01	5.95	4.46	0.535	0.942	34.41	0.220	46.14	52.03	45.9	0.406
5/30/2025 15:00	13.7	9.71	258	3.42	248	-0.01	5.74	4.64	0.535	0.942	42.57	0.220	54.58	51.74	45.9	0.393
5/30/2025 16:00	13.9	9.75	261	3.41	248	-0.01	5.69	4.74	0.535	0.942	48.50	0.220	60.05	50.68	45.9	0.401
5/30/2025 17:00	13.0	9.72	257	3.40	248	-0.01	5.65	4.42	0.535	0.942	32.14	0.220	44.92	53.59	45.9	0.413
5/30/2025 18:00	14.2	9.74	255	3.38	248	-0.01	5.68	4.84	0.535	0.942	55.85	0.220	67.45	53.18	45.9	0.417
5/30/2025 19:00	13.3	9.71	251	3.38	248	-0.01	5.69	4.50	0.535	0.942	38.08	0.220	49.98	57.47	45.9	0.452
5/30/2025 20:00	13.2	9.73	253	3.38	248	-0.01	5.71	4.49	0.535	0.942	37.26	0.220	48.87	54.11	45.9	0.419
5/30/2025 21:00	13.4	9.79	253	3.36	248	0.00	5.71	4.57	0.535	0.942	43.37	0.220	54.91	55.43	45.9	0.433
5/30/2025 22:00	13.0	10.00	261	3.34	248	0.00	5.75	4.54	0.535	0.942	42.61	0.220	54.45	51.25	45.9	0.399
5/30/2025 23:00	13.0	9.92	258	3.31	248	0.00	5.76	4.48	0.535	0.942	41.06	0.220	53.63	52.74	45.9	0.421
5/31/2025 0:00	13.2	9.84	251	3.28	248	0.00	5.80	4.53	0.535	0.942	45.62	0.220	57.21	54.33	45.9	0.435
5/31/2025 1:00	13.1	9.88	254	3.26	248	0.00	5.78	4.50	0.535	0.942	45.26	0.220	56.80	55.10	45.9	0.443
5/31/2025 2:00	13.1	9.86	249	3.27	248	0.00	5.73	4.52	0.535	0.942	45.72	0.220	57.30	55.88	45.9	0.447
5/31/2025 3:00	13.4	9.84	245	3.27	248	0.00	5.78	4.60	0.535	0.942	50.58	0.220	62.41	57.11	45.9	0.452
5/31/2025 4:00	13.5	9.84	245	3.27	248	0.00	5.84	4.62	0.535	0.942	52.46	0.220	64.34	58.84	45.9	0.467
5/31/2025 5:00	13.5	9.84	240	3.31	248	0.00	5.80	4.63	0.535	0.942	50.73	0.220	62.29	61.35	45.9	0.491
5/31/2025 6:00	13.8	9.79	234	3.31	248	0.00	5.85	4.73	0.535	0.942	56.73	0.220	68.91	63.01	45.9	0.512
5/31/2025 7:00	12.4	9.85	239	3.38	248	0.00	5.88	4.27	0.535	0.942	26.85	0.220	38.60	65.18	45.9	0.532
5/31/2025 8:00	12.8	9.76	230	3.41	248	0.00	5.81	4.35	0.535	0.942	29.70	0.220	43.44	56.60	45.9	0.460
5/31/2025 9:00	13.6	9.79	231	3.48	248	0.00	5.82	4.64	0.535	0.942	41.61	0.220	54.16	50.32	45.9	0.413
5/31/2025 10:00	13.3	9.79	231	3.52	248	0.00	5.79	4.55	0.535	0.942	33.83	0.220	46.65	45.40	45.9	0.377
5/31/2025 11:00	13.5	9.88	242	3.52	248	0.00	5.84	4.65	0.535	0.942	38.50	0.220	50.32	48.08	45.9	0.402
5/31/2025 12:00	13.6	9.87	242	3.52	248	0.00	5.84	4.70	0.535	0.942	40.81	0.220	52.49	50.37	45.9	0.419
5/31/2025 13:00	13.2	9.78	235	3.56	248	0.00	5.81	4.50	0.535	0.942	28.00	0.220	41.77	49.82	45.9	0.413
5/31/2025 14:00	13.4	9.90	245	3.62	248	0.00	5.83	4.62	0.535	0.942	30.66	0.220	43.53	48.19	45.9	0.401
5/31/2025 15:00	13.3	9.86	242	3.61	248	0.00	5.80	4.57	0.535	0.942	28.67	0.220	40.79	45.93	45.9	0.382
5/31/2025 16:00	13.8	9.77	235	3.63	248	0.00	5.76	4.69	0.535	0.942	34.30	0.220	46.83	42.03	45.9	0.348
5/31/2025 17:00	13.1	9.62	222	3.68	248	0.00	4.75	4.40	0.535	0.942	15.54	0.220	31.64	43.71	45.9	0.362
5/31/2025 18:00	14.1	9.60	222	3.75	248	0.00	4.08	4.74	0.535	0.942	30.12	0.220	43.06	39.75	45.9	0.329
5/31/2025 19:00	14.3	9.67	230	3.73	248	0.00	4.03	4.84	0.535	0.942	36.56	0.220	48.13	40.51	45.9	0.336
5/31/2025 20:00	13.6	9.71	233	3.72	248	0.00	4.00	4.60	0.535	0.942	24.16	0.220	38.44	40.94	45.9	0.340
5/31/2025 21:00	13.2	9.80	244	3.74	248	0.00	3.98	4.51	0.535	0.942	17.32	0.220	30.73	43.21	45.9	0.360
5/31/2025 22:00	13.3	9.79	241	3.72	248	0.00	4.02	4.55	0.535	0.942	20.28	0.220	35.30	39.10	45.9	0.327
5/31/2025 23:00	12.5	9.93	243	3.69	248	0.00	4.08	4.32	0.535	0.942	9.74	0.220	26.10	34.82	45.9	0.293
6/1/2025 0:00	12.4	9.79	230	3.67	248	0.00	4.01	4.22	0.535	0.942	5.77	0.220	28.43	30.71	45.9	0.259
6/1/2025 1:00	13.0	9.79	232	3.66	248	0.00	4.06	4.46	0.535	0.942	19.71	0.220	34.47	29.94	45.9	0.249
6/1/2025 2:00	13.1	9.80	232	3.67	248	0.00	4.00	4.46	0.535	0.942	19.51	0.220	33.80	29.67	45.9	0.245
6/1/2025 3:00	13.3	9.79	232	3.63	248	0.00	3.95	4.56	0.535	0.942	27.15	0.220	41.44	32.24	45.9	0.264
6/1/2025 4:00	13.2	9.80	234	3.64	248	0.00	4.05	4.51	0.535	0.942	23.49	0.220	36.42	36.57	45.9	0.299
6/1/2025 5:00	13.0	9.87	241	3.65	241	0.00	4.11	4.48	0.535	0.942	21.12	0.220	34.76	37.22	45.9	0.304
6/1/2025 6:00	12.9	9.96	250	3.63	239	0.00	4.10	4.50	0.535	0.942	23.24	0.220	35.88	37.54	45.9	0.311
6/1/2025 7:00	13.3	9.94	251	3.64	239	0.00	4.04	4.60	0.535	0.942	28.42	0.220	40.78	35.69	45.9	0.298
6/1/2025 8:00	14.0	9.99	257	3.65	239	0.00	4.07	4.87	0.535	0.942	41.77	0.220	53.42	37.14	45.9	0.310
6/1/2025 9:00	13.4	10.14	277	3.64	239	0.00	4.35	4.74	0.535	0.942	34.17	0.220	46.54	43.36	45.9	0.357
6/1/2025 10:00	12.9	10.16	280	3.60	239	0.00	4.41	4.57	0.535	0.942	27.58	0.220	40.20	46.91	45.9	0.387
6/1/2025 11:00	13.5	9.97	264	3.61	239	0.00	4.05	4.68	0.535	0.942	33.69	0.220	45.97	46.72	45.9	0.385
6/1/2025 12:00	13.3	9.99	269	3.61	235	0.00	4.56	4.63	0.535	0.942	30.43	0.220	42.52	44.24	45.9	0.364
6/1/2025 13:00	13.3	9.98	270	3.59	229	0.00	4.41	4.65	0.535	0.942	33.61	0.220	45.49	42.89	45.9	0.351
6/1/2025 14:00	13.6	9.88	259	3.57	229	0.00	3.98	4.70	0.535	0.942	37.96	0.220	50.16	44.66	45.9	0.365
6/1/2025 15:00	13.3	9.88	260	3.59	229	0.00	4.09	4.59	0.535	0.942	30.73	0.220	42.90	46.06	45.9	0.376
6/1/2025 16:00	13.6	9.89	259	3.62	229	0.00	3.99	4.70	0.535	0.942	35.05	0.220	47.48	46.18	45.9	0.378
6/1/2025 17:00	13.1	9.89	257	3.65	229	0.00	4.01	4.51	0.535	0.942	23.12	0.220	36.94	46.84	45.9	0.381
6/1/2025 18:00	13.8	9.92	261	3.66	229	0.00	4.06	4.79	0.535	0.942	37.95	0.220	49.72	42.44	45.9	0.347
6/1/2025 19:00	14.1	9.93	263	3.66	229	0.00	4.02	4.88	0.535	0.942	42.15	0.220	54.29	44.71	45.9	0.364
6/1/2025 20:00	14.1	9.97	267	3.65	229	0.00	4.08	4.92	0.535	0.942	44.66	0.220	56.79	46.99	45.9	0.385
6/1/2025 21:00	12.4	10.34	285	3.71	229	0.00	4.07	4.48	0.535	0.942	16.51	0.220	30.09	53.60	45.9	0.437
6/1/2025 22:00	11.4	10.69	304	3.70	229	0.00	4.07	4.27	0.535	0.942	5.72	0.220	20.12	47.06	45.9	0.383
6/1/2025 23:00	12.0	10.62	293	3.67	229	0.00	4.16	4.45	0.535	0.942	17.15	0.220	29.56	35.67	45.9	0.290
6/2/2025 0:00	13.6	10.26	277	3.65	229	0.00	4.04	4.87	0.545	0.941	36.97	0.220	49.02	26.59	45.9	0.216
6/2/2025 1:00	13.2	10.11	272	3.64	229	0.00	4.08	4.64	0.545	0.941	25.71	0.220	37.67	32.90	45.9	0.267
6/2/2025 2:00	13.3	10.20	277	3.62	229	0.00	4.08	4.74	0.545	0.941	32.15	0.220	44.62	38.75	45.9	0.314
6/2/2025 3:00	13.4	10.20	275	3.61	229	0.00	4.09	4.77	0.545	0.941	34.79	0.220	46.47	43.77	45.9	0.354
6/2/2025 4:00	12.9	10.29	281	3.61	229	0.00	4.10	4.64	0.545	0.941	27.01	0.220	40.15	42.92	45.9	0.348
6/2/2025 5:00	12.8	10.50	296	3.59	229	0.00	2.32	4.68	0.545	0.941	30.04	0.220	41.96	43.75	45.9	0.358
6/2/2025 6:00	12.4	10.37	288	3.60	229	0.00	2.20	4.50	0.545	0.941	20.38	0.220	34.12	42.86	45.9	0.348
6/2/2025 7:00	13.1	10.28	280	3.60	229	0.00	2.48	4.70	0.545	0.941	31.30	0.220	42.86	38.75	45.9	0.315
6/2/2025 8:00	14.1	10.24	281	3.61	229	0.00	2.77	5.05	0.545	0.941	48.76	0.220	60.81	39.65	45.9	0.320
6/2/2025 9:00	13.9	10.21	283	3.61	229	0.00	3.15	4.95	0.545	0.941	43.47	0.220	55.38	45.93	45.9	0.374
6/2/2025 10:00	13.8	10.15	283	3.62	229	0.00	3.74	4.87	0.545	0.941	38.98	0.220	51.05	53.02	45.9	0.432
6/2/2025 11:00	13.7	10.29	294	3.57	229	0.00	4.67	4.91	0.545	0.941	43.33	0.220	55.65	55.75	45.9	0.454
6/2/2025 12:00	14.0	10.41	299	3.54	229	0.00	6.47	5.08	0.545	0.941	52.98	0.220	64.52	54.03	45.9	0.442
6/2/2025 13:00	13.0	10.39	298	3.51	229	0.00	6.67	4.71	0.545	0.941	35.96	0.220	47.69	57.07	45.9	0.467
6/2/2025 14:00	12.7	10.40	300	3.52	229	0.00	5.13	4.62	0.545	0.941	30.67	0.220	43.34	55.95	45.9	0.455
6/2/2025 15:00	12.7	10.29	297	3.54	229	-0.01	3.41	4.56	0.545	0.941	25.94	0.220	38.79	51.85	45.9	0.418
6/2/2025 16:00	13.2	10.39	302	3.53	229	-0.01	3.32	4.78	0.545	0.941	37.95	0.220	49.71	43.27	45.9	0.345
6/2/2025 17:00	12.4	10.38	301	3.48	229	-0.01	5.22	4.49	0.545	0.941	26.08	0.220	39.10	43.95	45.9	0.348
6/2/2025 18:00	12.8	10.33	298	3.46	229	-0.01	4.47	4.62	0.545	0.941	33.66	0.220	46.06	42.53	45.9	0.335
6/2/2025 19:00	12.9	10.26	293	3.46	229	-0.01	3.78	4.62	0.545	0.941	34.75	0.220	46.46	44.96	45.9	0.350
6/2/2025 20:00	12.8	10.22	291	3.46	229	-0.01	3.76	4.58	0.545	0.941	32.36	0.220	44.18	43.87	45.9	0.341
6/2/2025 21:00	12.6	10.34	291	3.41	229	-0.01	3.28	4.54	0.545	0.941	32.98	0.220	45.48	45.57	45.9	0.353
6/2/2025 22:00	12.8	10.54	292	3.47	229	0.00	2.86	4.69	0.545	0.941	37.20	0.220	49.76	45.37	45.9	0.350
6/2/2025 23:00	13.3	10.20	286	3.45	230	0.00	3.05	4.73	0.545	0.941	41.08	0.010	0.78	46.47	45.9	0.358
6/3/2025 0:00	13.2	10.23	289	3.43	229	0.00	2.91	4.71	0.545	0.941	41.40	0.010	0.84	32.00	45.9	0.246
6/3/2025 1:00	13.2	10.20	287	3.37	229	0.00	2.44	4.70	0.545	0.941	44.20	0.010	3.80	17.13	45.9	0.132
6/3/2025 2:00	13.5	10.16	283	3.38	229	0.00	2.69	4.77	0.545	0.941	47.82	0.010	3.60	1.81	45.9	0.014
6/3/2025 3:00	12.8	10.36	309	3.37	229	0.00	3.50	4.64	0.545	0.941	39.36	0.010	1.84	2.75	45.9	0.021
6/3/2025 4:00	12.4	10.21	292	3.36	229	0.00	2.55	4.42	0.545	0.941	29.82	0.010	1.27	3.08	45.9	0.024
6/3/2025 5:00	13.2	10.30	296	3.36	229	0.00	2.07	4.73	0.545	0.941	45.74	0.010	1.35	2.24	45.9	0.018
6/3/2025 6:00	13.8	10.29	294	3.41	229	0.00	1.85	4.95	0.545	0.941	53.94	0.010	2.80	1.49	45.9	0.012
6/3/2025 7:00	13.3	10.31	296	3.43	229	0.00	2.28	4.78	0.545	0.941	44.20	0.010	2.21	1.81	45.8	0.014
6/3/2025 8:00	12.5	10.34	298	3.44	229	0.00	2.98	4.52	0.545	0.941	30.12	0.010	1.32	2.12	45.8	0.017
6/3/2025 9:00	10.5	10.94	288	3.44	229	0.00	3.37	3.97	0.545	0.941	1.90	0.010	0.89	2.11	45.8	0.017
6/3/2025 10:00	11.8	10.18	285	3.48	229	0.00	3.82	4.18	0.545	0.941	10.65	0.010	0.00	1.47	45.8	0.012
6/3/2025 11:00	12.4	10.16	283	3.47	229	0.00	4.60	4.39	0.545	0.941	22.63	0.010	0.42	0.74	45.8	0.006

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/3/2025 12:00	12.9	10.05	274	3.47	229	0.00	4.04	4.52	0.545	0.941	29.76	0.010	0.13	0.44	45.8	0.003
6/3/2025 13:00	13.3	10.06	276	3.47	229	0.00	3.99	4.68	0.545	0.941	37.84	0.010	2.47	0.18	45.8	0.001
6/3/2025 14:00	12.6	10.13	281	3.45	229	0.00	4.92	4.44	0.545	0.941	26.36	0.010	0.80	1.01	45.8	0.008
6/3/2025 15:00	13.1	10.12	282	3.45	229	0.00	4.83	4.62	0.545	0.941	36.23	0.010	2.63	1.14	45.8	0.009
6/3/2025 16:00	12.7	10.11	281	3.42	229	0.00	4.63	4.49	0.545	0.941	31.14	0.010	0.86	1.97	45.8	0.015
6/3/2025 17:00	12.1	10.23	290	3.40	221	-0.01	3.69	4.33	0.545	0.941	23.53	0.010	0.50	1.43	45.8	0.011
6/3/2025 18:00	12.0	10.18	290	3.41	220	-0.01	3.25	4.28	0.545	0.941	19.97	0.010	0.00	1.33	45.8	0.010
6/3/2025 19:00	12.7	10.14	287	3.45	220	-0.01	3.83	4.48	0.545	0.941	28.75	0.010	1.23	0.46	45.8	0.003
6/3/2025 20:00	12.2	10.25	291	3.45	220	-0.01	4.13	4.37	0.545	0.941	22.82	0.010	0.32	0.58	45.8	0.004
6/3/2025 21:00	12.4	10.32	295	3.42	220	-0.01	3.53	4.48	0.545	0.941	29.69	0.010	0.69	0.52	45.8	0.004
6/3/2025 22:00	11.6	10.77	302	3.40	220	0.00	2.75	4.34	0.545	0.941	23.46	0.010	0.59	0.75	45.8	0.006
6/3/2025 23:00	11.7	10.47	298	3.39	220	0.00	2.81	4.28	0.545	0.941	21.08	0.010	0.69	0.54	45.8	0.004
6/4/2025 0:00	12.5	10.48	299	3.37	220	0.00	2.80	4.58	0.545	0.941	37.62	0.010	1.49	0.66	45.8	0.005
6/4/2025 1:00	12.4	10.51	301	3.35	220	0.00	1.98	4.54	0.545	0.941	36.86	0.010	1.00	0.92	45.7	0.007
6/4/2025 2:00	12.7	10.52	300	3.37	220	0.00	1.84	4.66	0.545	0.941	41.73	0.010	2.63	1.06	45.7	0.008
6/4/2025 3:00	13.2	10.46	298	3.37	220	0.00	1.94	4.83	0.545	0.941	50.92	0.010	4.49	1.71	45.7	0.013
6/4/2025 4:00	12.5	10.43	297	3.37	221	0.00	1.92	4.54	0.545	0.941	35.49	0.010	0.30	2.70	45.7	0.021
6/4/2025 5:00	12.5	10.50	302	3.41	220	0.00	1.90	4.59	0.545	0.941	35.72	0.010	1.20	2.47	45.7	0.019
6/4/2025 6:00	12.9	10.56	305	3.42	220	0.00	2.10	4.74	0.545	0.941	42.49	0.010	2.00	2.00	45.7	0.016
6/4/2025 7:00	13.8	10.60	308	3.42	220	0.00	2.92	5.11	0.545	0.941	61.37	0.010	5.95	1.17	45.7	0.009
6/4/2025 8:00	13.6	10.60	311	3.42	220	0.00	4.76	5.01	0.545	0.941	56.02	0.010	5.99	3.05	45.7	0.024
6/4/2025 9:00	12.4	10.45	288	3.41	220	-0.01	5.70	4.51	0.545	0.941	32.38	0.010	1.45	4.65	45.7	0.036
6/4/2025 10:00	12.0	10.51	291	3.40	220	-0.01	5.92	4.41	0.545	0.941	27.58	0.010	1.14	4.46	45.7	0.034
6/4/2025 11:00	11.8	10.46	290	3.40	220	-0.01	5.67	4.31	0.545	0.941	23.09	0.010	0.41	2.86	45.7	0.021
6/4/2025 12:00	11.5	10.50	292	3.40	220	-0.01	6.02	4.23	0.545	0.941	18.09	0.010	1.50	1.00	45.7	0.007
6/4/2025 13:00	11.6	10.38	285	3.39	220	-0.01	6.31	4.20	0.545	0.941	17.28	0.010	0.61	1.01	45.7	0.007
6/4/2025 14:00	11.1	10.68	309	3.38	220	-0.01	6.35	4.12	0.545	0.941	13.36	0.010	0.24	0.84	45.7	0.006
6/4/2025 15:00	13.1	11.55	348	5.12	224	-0.01	5.93	5.29	0.545	0.941	-26.51	0.010	0.00	0.78	45.7	0.006
6/4/2025 16:00	14.6	11.68	351	5.79	227	-0.01	7.08	5.94	0.545	0.941	-31.46	0.010	0.00	0.28	45.7	0.002
6/4/2025 17:00	18.7	11.57	332	7.17	229	-0.01	5.96	7.54	0.545	0.941	-31.46	0.010	0.00	0.08	45.7	0.001
6/4/2025 18:00	18.5	11.82	357	7.20	229	-0.01	5.35	7.62	0.545	0.941	-28.37	0.010	0.19	0.00	45.7	0.000
6/4/2025 19:00	18.9	12.00	371	7.30	229	-0.01	5.55	7.90	0.545	0.941	-19.61	0.010	0.00	0.06	45.6	0.000
6/4/2025 20:00	19.5	11.93	368	7.33	229	-0.01	5.52	8.10	0.545	0.941	-12.21	0.010	0.00	0.06	45.6	0.000
6/4/2025 21:00	19.8	11.91	368	7.36	229	-0.01	5.43	8.25	0.545	0.941	-7.27	0.010	0.35	0.06	45.6	0.000
6/4/2025 22:00	20.7	11.80	357	7.44	229	-0.01	4.99	8.53	0.545	0.941	1.60	0.010	0.57	0.12	45.6	0.001
6/4/2025 23:00	21.0	11.72	351	7.48	229	-0.01	4.99	8.58	0.545	0.941	1.67	0.010	0.22	0.31	45.6	0.002
6/5/2025 0:00	21.7	11.90	351	7.52	230	-0.01	4.72	8.99	0.545	0.941	18.85	0.010	0.88	0.38	45.6	0.003
6/5/2025 1:00	21.7	11.76	347	7.55	229	0.00	4.29	8.91	0.545	0.941	13.55	0.010	0.93	0.56	45.6	0.004
6/5/2025 2:00	22.4	11.76	345	7.67	229	0.00	4.38	9.18	0.545	0.941	19.49	0.010	0.30	0.68	45.6	0.005
6/5/2025 3:00	22.6	11.86	349	7.68	229	0.00	4.68	9.37	0.545	0.941	28.01	0.010	2.10	0.70	45.6	0.005
6/5/2025 4:00	22.1	11.83	350	7.63	230	0.00	4.65	9.14	0.545	0.941	20.12	0.010	0.38	1.11	45.6	0.009
6/5/2025 5:00	19.4	11.85	361	6.44	229	0.00	4.44	8.01	0.545	0.941	29.71	0.010	1.38	0.93	45.6	0.007
6/5/2025 6:00	20.8	11.81	358	6.49	229	0.00	3.89	8.57	0.545	0.941	52.68	0.010	2.85	1.29	45.6	0.010
6/5/2025 7:00	21.5	11.81	359	6.52	229	0.00	4.30	8.86	0.545	0.941	64.20	0.010	11.03	1.54	45.6	0.012
6/5/2025 8:00	21.4	11.61	351	6.53	230	0.00	4.63	8.66	0.545	0.941	55.97	0.010	4.12	5.09	45.6	0.040
6/5/2025 9:00	20.1	11.51	330	6.53	229	0.00	4.83	8.08	0.545	0.941	29.57	0.010	1.05	6.00	45.6	0.047
6/5/2025 10:00	20.2	11.34	317	6.45	229	0.00	4.79	7.99	0.545	0.941	30.74	0.010	1.62	5.40	45.6	0.042
6/5/2025 11:00	19.9	11.37	321	6.43	229	0.00	5.20	7.91	0.545	0.941	27.63	0.010	0.22	2.26	45.6	0.017
6/5/2025 12:00	20.8	11.42	326	6.42	229	0.00	5.58	8.28	0.545	0.941	45.87	0.010	4.87	0.96	45.6	0.007
6/5/2025 13:00	20.5	11.37	324	6.40	229	-0.01	5.97	8.14	0.545	0.941	40.63	0.010	4.71	2.24	45.6	0.016
6/5/2025 14:00	20.7	11.44	328	6.30	229	0.00	5.82	8.26	0.545	0.941	51.50	0.010	6.42	3.27	45.5	0.024
6/5/2025 15:00	21.6	11.50	332	6.91	229	0.00	4.25	8.67	0.545	0.941	37.06	0.010	1.61	5.34	45.5	0.039
6/5/2025 16:00	21.7	11.48	332	7.05	229	0.00	4.05	8.71	0.545	0.941	31.52	0.010	1.02	4.25	45.5	0.031
6/5/2025 17:00	22.5	11.56	342	7.06	229	0.00	5.14	9.07	0.545	0.941	47.22	0.010	3.80	3.02	45.5	0.022
6/5/2025 18:00	23.4	11.57	342	7.13	229	0.00	5.82	9.44	0.545	0.941	61.50	0.010	6.86	2.14	45.5	0.016
6/5/2025 19:00	22.8	11.58	341	7.07	229	0.00	5.76	9.21	0.545	0.941	53.88	0.010	6.22	3.89	45.5	0.029
6/5/2025 20:00	22.5	11.55	339	6.99	229	0.00	4.54	9.08	0.545	0.941	51.79	0.010	2.19	5.63	45.5	0.043
6/5/2025 21:00	22.5	11.50	336	7.04	229	0.00	3.80	9.03	0.545	0.941	47.49	0.010	3.19	5.09	45.5	0.038
6/5/2025 22:00	23.7	11.49	334	7.06	229	0.00	3.96	9.49	0.545	0.941	68.04	0.010	12.39	3.86	45.5	0.029
6/5/2025 23:00	23.2	11.45	334	6.97	229	0.00	4.77	9.25	0.545	0.941	61.59	0.010	8.48	5.92	45.5	0.045
6/6/2025 0:00	22.9	11.48	338	6.87	229	0.00	4.87	9.18	0.545	0.941	63.28	0.010	6.18	8.02	45.5	0.061
6/6/2025 1:00	22.7	11.55	341	6.86	229	0.00	4.74	9.15	0.545	0.941	62.08	0.010	5.26	9.02	45.5	0.068
6/6/2025 2:00	22.5	11.56	342	6.82	230	0.00	4.17	9.09	0.545	0.941	61.35	0.010	6.94	6.64	45.5	0.050
6/6/2025 3:00	22.7	11.51	339	6.82	229	0.00	3.81	9.11	0.545	0.941	62.14	0.010	5.19	6.13	45.5	0.047
6/6/2025 4:00	22.9	11.48	338	6.86	229	0.00	4.21	9.17	0.545	0.941	63.15	0.010	7.50	5.80	45.5	0.044
6/6/2025 5:00	23.2	11.51	337	6.87	229	0.00	4.24	9.31	0.545	0.941	69.78	0.010	10.18	6.54	45.5	0.050
6/6/2025 6:00	22.8	11.50	333	6.88	231	0.00	3.83	9.17	0.545	0.941	62.46	0.010	5.62	7.62	45.5	0.059
6/6/2025 7:00	21.6	11.48	333	6.88	234	0.00	3.92	8.65	0.545	0.941	37.66	0.010	1.12	7.76	45.5	0.060
6/6/2025 8:00	20.3	11.49	337	6.92	234	0.00	4.40	8.13	0.545	0.941	10.75	0.010	0.59	5.64	45.5	0.044
6/6/2025 9:00	22.7	11.08	308	6.98	234	0.00	5.02	8.77	0.545	0.941	40.24	0.010	3.81	2.44	45.5	0.019
6/6/2025 10:00	25.0	10.96	299	7.09	234	0.00	5.80	9.57	0.545	0.941	74.02	0.010	10.79	1.84	45.5	0.014
6/6/2025 11:00	24.6	11.03	304	7.11	234	-0.01	6.00	9.47	0.545	0.941	67.41	0.010	8.12	5.06	45.4	0.039
6/6/2025 12:00	24.3	11.10	309	7.08	234	-0.01	5.63	9.42	0.545	0.941	66.34	0.010	9.69	7.57	45.4	0.058
6/6/2025 13:00	24.2	11.10	311	7.07	234	0.00	4.89	9.37	0.545	0.941	64.24	0.010	7.37	9.53	45.4	0.073
6/6/2025 14:00	24.5	11.14	314	7.11	234	-0.01	5.62	9.53	0.545	0.941	69.55	0.010	10.49	8.39	45.4	0.065
6/6/2025 15:00	23.8	11.18	317	7.11	234	-0.01	6.27	9.30	0.545	0.941	57.72	0.010	6.63	9.18	45.4	0.071
6/6/2025 16:00	24.1	11.09	311	6.96	234	-0.01	5.48	9.34	0.545	0.941	68.79	0.010	12.93	8.16	45.4	0.063
6/6/2025 17:00	23.3	11.08	314	6.40	234	-0.01	4.42	8.99	0.545	0.941	82.57	0.010	18.98	10.02	45.4	0.077
6/6/2025 18:00	22.0	11.00	307	6.28	234	0.00	4.16	8.45	0.545	0.941	63.33	0.010	5.73	12.85	45.4	0.099
6/6/2025 19:00	21.5	10.91	300	6.23	234	0.00	4.27	8.18	0.545	0.941	53.86	0.010	4.75	12.55	45.4	0.096
6/6/2025 20:00	22.3	10.77	288	6.20	234	0.00	4.72	8.38	0.545	0.941	67.06	0.010	6.38	9.82	45.4	0.075
6/6/2025 21:00	22.4	10.96	296	6.17	234	0.00	4.76	8.57	0.545	0.941	77.57	0.010	15.52	5.62	45.4	0.043
6/6/2025 22:00	21.7	10.98	293	6.18	234	-0.01	3.96	8.31	0.545	0.941	63.45	0.010	7.99	8.89	45.4	0.067
6/6/2025 23:00	22.0	10.90	293	6.15	234	0.00	3.85	8.35	0.545	0.941	67.72	0.010	7.48	9.97	45.4	0.075
6/7/2025 0:00	23.0	10.80	293	6.11	234	0.00	3.82	8.67	0.545	0.941	86.29	0.010	17.79	10.33	45.4	0.078
6/7/2025 1:00	23.7	10.71	288	6.11	234	0.00	3.85	8.86	0.545	0.941	96.94	0.010	28.05	11.09	45.4	0.084
6/7/2025 2:00	21.5	10.85	302	5.63	234	0.00	4.26	8.14	0.545	0.941	85.74	0.010	19.01	17.77	45.4	0.136
6/7/2025 3:00	21.7	10.81	299	5.41	234	0.00	4.30	8.18	0.545	0.941	101.18	0.010	29.59	21.62	45.4	0.165
6/7/2025 4:00	20.9	10.86	302	5.37	234	0.00	3.96	7.91	0.545	0.941	89.30	0.010	19.84	25.55	45.4	0.196
6/7/2025 5:00	20.4	10.94	307	5.37	234	0.00	3.59	7.80	0.545	0.941	82.53	0.010	16.74	22.81	45.4	0.175
6/7/2025 6:00	21.1	10.92	305	5.30	234	0.00	3.29	8.04	0.545	0.941	98.90	0.010	30.45	22.05	45.4	0.170
6/7/2025 7:00	21.0	10.40	274	5.27	234	0.00	3.05	7.63	0.545	0.941	84.00	0.010	26.17	22.34	45.4	0.173
6/7/2025 8:00	19.8	10.28	270	5.26	234	0.00	3.84	7.12	0.545	0.941	59.50	0.010	8.15	24.45	45.4	0.189
6/7/2025 9:00	19.7	10.21	269	5.27	234	0.00	5.57	7.01	0.545	0.941	53.25	0.010	5.68	21.59	45.4	0.167
6/7/2025 10:00	20.2	10.09	263	5.29	234	-0.01	6.14	7.13	0.545	0.941	58.78	0.010	6.46	13.33	45.4	0.102
6/7/2025 11:00	20.9	10.16	265	5.30	234	-0.01	6.07	7.40	0.545	0.941	73.10	0.010	14.94	6.77	45.4	0.052
6/7/2025 12:00	21.3	10.23	268	5.29	234	-0.01	6.40	7.61	0.545	0.941	84.05	0.010	17.29	9.03	45.4	0.068
6/7/2025 13:00	20.6	10.17	267	5.23	234	-0.01	6.21	7.32	0.545	0.941	72.16	0.010	11.53	12.90	45.3	0.097
6/7/2025 14:00	20.6	10.15	268	5.19	234	-0.01	6.22	7.28	0.545	0.941	72.62	0.010	12.96	14.59	45.3	0.110
6/7/2025 15:00	20.0	10.15	267	5.15	234	-0.01	6.45	7.08	0.545	0.941	64.79	0.010	6.55	13.93	45.3	0.104
6/7/2025 16:00	19.9	10.11	266	5.15	234	-0.01	5.97	7.04	0.545	0.941	62.20	0.010	7.71	10.35	45.3	0.077
6/7/2025 17:00	18.7	10.12	267	5.16	234	-0.01	4.22	6.61	0.545	0.941	38.86	0.010	1.74	9.08	45.3	0.068
6/7/2025 18:00	19.5	10.09	265	5.15	234	-0.01	3.75	6.86	0.545	0.941	52.63	0.010	6.20	5.33	45.3	0.040
6/7/2025 19:00	19.6	10.07	266	5.16	234	-0.01	5.11	6.89	0.545	0.941	54.14	0.010	5.55	5.22	45.3	0.039
6/7/2025 20:00	20.0	10.03	265	5.14	234	-0.01	5.58	6.99	0.545	0.941	60.33	0.010	7.75	4.50	45.3	0.034
6/7/2025 21:00	18.9	10.01	261	5.06	234	-0.01	5.16	6.60	0.545	0.941	44.78	0.010	2.26	6.50	45.3	0.049
6/7/2025 22:00	18.7	10.12	260	5.06	234	-0.01	3.81	6.60	0.545	0.941	44.32	0.010	3.46	5.19	45.3	0.039
6/7/2025 23:00	18.8	10.08	257	5.09	234	0.00	2.75	6.63	0.545	0.941	44.10	0.010	2.84	4.49	45.3	0.034
6/8/2025 0:00	19.7	10.02	255	5.09	234	0.00	2.92	6.90	0.545	0.941	59.45	0.010	7.32	2.85	45.3	0.022
6/8/2025 1:00	20.5	10.03	255	5.13	234	0.00	3.47	7.19	0.545	0.941	73.17	0.010	11.61	4.54	45.3	0.035
6/8/2025 2:00	20.5	10.06	256	5.11	234	0.00	3.73	7.18	0.545	0.941	73.81	0.010	13.78	7.26	45.3	0.056
6/8/2025 3:00	21.6	10.05	255	5.14	234	0.00	3.29	7.58	0.545	0.941	94.10	0.010	24.28	10.90	45.3	0.084
6/8/2025 4:00	23.8	10.03	250	5.22	234	0.00	3.10	8.33	0.545	0.941	131.31	0.010	57.66	16.56	45.3	0.127
6/8/2025 5:00	24.4	10.03	250	5.23	234	0.00	2.94	8.53	0.545	0.941	141.67	0.010	67.53	31.91	45.3	0.244
6/8/2025 6:00	25.7	10.03	250	5.21	234	0.00	2.96	8.98	0.545	0.941	168.14	0.010	93.90	49.82	45.3	0.382
6/8/2025 7:00	22.0	10.05	252	5.19	234	0.00	3.24	7.71	0.545	0.941	98.82	0.010	43.31	73.03	45.3	0.560
6/8/2025 8:00	20.2	10.06	254	5.20	234	0.00	3.80	7.09	0.545	0.941	63.39	0.010	11.51	68.25	45.3	0.523
6/8/2025 9:00	20.1	10.06	255	5.20	234	0.00	3.99	7.08	0.545	0.941	62.34	0.010	9.46	49.57	45.3	0.379
6/8/2025 10:00	20.5	10.08	256	5.18	234	0.00	4.95	7.21	0.545	0.941	71.45	0.010	10.19	21.43	45.3	0.163
6/8/2025 11:00	19.9	10.09	255	5.15	234	0.00	4.56	7.00	0.545	0.941	61.65	0.010	6.14	10.39	45.3	0.079
6/8/2025 12:00	24.7	10.08	254	5.16	234	0.00	2.97	8.71	0.545	0.941	154.38	0.010	80.15	8.60	45.3	0.066
6/8/2025 13:00	24.4	10.07	253	5.18	234	0.00	2.32	8.56	0.545	0.941	145.40	0.010	71.16	32.16	45.3	0.247
6/8/2025 14:00	24.3	10.08	255	5.17	234	0.00	2.64	8.54	0.545	0.941	144.60	0.010	70.37	52.48	45.3	0.403
6/8/2025 15:00	24.9	10.09	256	5.19	234	0.00	3.47	8.75	0.545	0.941	154.95	0.010	80.72	73.89	45.3	0.566
6/8/2025 16:00	25.8	10.11	255	5.21	234	0.00	4.29	9.11	0.545	0.941	173.55	0.010	99.31	74.08	45.3	0.565
6/8/2025 17:00	25.6	10.06	251	5.21	234	0.00	4.19	9.00	0.545	0.941	169.57	0.010	95.33	83.47	45.3	0.636
6/8/2025 18:00	30.5	10.06	251	5.22	234	0.00	3.36	10.70	0.545	0.941	262.28	0.010	188.05	91.79	45.3	0.697

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/8/2025 19:00	28.8	10.06	248	5.21	234	0.00	3.26	10.12	0.545	0.941	231.55	0.010	157.31	127.56	45.3	0.970
6/8/2025 20:00	30.0	10.11	255	5.17	234	0.00	3.17	10.58	0.545	0.941	257.00	0.010	182.76	146.90	45.4	1.119
6/8/2025 21:00	28.4	10.09	255	5.16	234	0.00	3.15	9.99	0.545	0.941	224.15	0.010	149.91	176.04	45.4	1.346
6/8/2025 22:00	27.7	10.06	255	5.17	234	0.00	3.13	9.74	0.545	0.941	210.74	0.010	136.51	163.33	45.4	1.258
6/8/2025 23:00	27.0	10.12	257	5.06	234	0.00	3.27	9.53	0.545	0.941	204.62	0.010	130.38	156.39	45.4	1.209
6/9/2025 0:00	28.7	10.22	258	5.05	234	0.00	3.16	10.22	0.545	0.941	242.71	0.010	168.47	138.93	45.4	1.081
6/9/2025 1:00	27.7	10.12	254	5.01	234	0.00	3.12	9.78	0.545	0.941	223.10	0.010	148.86	145.12	45.4	1.129
6/9/2025 2:00	27.9	10.14	255	5.01	234	0.00	3.15	9.87	0.545	0.941	227.54	0.010	153.30	149.24	45.4	1.162
6/9/2025 3:00	28.4	10.15	257	5.00	234	0.00	3.11	10.05	0.545	0.941	236.68	0.010	162.44	156.88	45.4	1.222
6/9/2025 4:00	26.0	10.07	259	4.96	234	0.00	3.19	9.15	0.545	0.941	189.48	0.010	115.24	154.87	45.4	1.197
6/9/2025 5:00	24.5	10.07	260	4.93	234	0.00	3.25	8.61	0.545	0.941	161.66	0.010	87.42	143.66	45.5	1.105
6/9/2025 6:00	25.4	10.06	260	4.90	234	0.00	3.14	8.90	0.545	0.941	179.52	0.010	105.29	121.70	45.5	0.929
6/9/2025 7:00	20.4	10.05	260	4.86	234	0.00	4.56	7.15	0.545	0.941	87.66	0.010	39.65	102.65	45.5	0.782
6/9/2025 8:00	16.7	10.13	263	4.90	234	0.00	4.99	5.90	0.545	0.941	16.57	0.010	0.28	77.45	45.5	0.591
6/9/2025 9:00	16.5	10.08	261	4.89	234	0.00	4.96	5.80	0.545	0.941	11.39	0.010	0.75	48.40	45.4	0.370
6/9/2025 10:00	16.0	10.11	265	4.86	234	0.00	4.91	5.66	0.545	0.941	5.72	0.010	0.63	13.56	45.4	0.104
6/9/2025 11:00	15.0	10.11	265	4.80	234	0.00	4.97	5.30	0.545	0.941	-9.83	0.010	0.02	0.55	45.4	0.004
6/9/2025 12:00	14.7	10.12	264	4.75	234	0.00	4.99	5.20	0.545	0.941	-12.39	0.010	0.48	0.47	45.4	0.004
6/9/2025 13:00	14.6	10.10	262	4.73	234	0.00	4.98	5.15	0.545	0.941	-13.53	0.010	0.00	0.38	45.4	0.003
6/9/2025 14:00	14.5	10.04	258	4.76	234	0.00	4.97	5.09	0.545	0.941	-18.45	0.010	0.00	0.17	45.4	0.001
6/9/2025 15:00	14.9	10.07	262	4.77	234	0.00	5.06	5.23	0.545	0.941	-11.81	0.010	0.00	0.16	45.4	0.001
6/9/2025 16:00	14.6	10.07	262	4.71	234	0.00	5.05	5.12	0.545	0.941	-13.70	0.010	0.00	0.00	45.4	0.000
6/9/2025 17:00	14.4	10.05	262	4.71	234	0.00	4.91	5.03	0.545	0.941	-18.46	0.010	0.00	0.00	45.4	0.000
6/9/2025 18:00	13.9	10.03	261	4.69	234	0.00	4.90	4.88	0.545	0.941	-26.12	0.010	0.00	0.00	45.4	0.000
6/9/2025 19:00	13.6	9.99	258	4.65	234	0.00	4.91	4.73	0.545	0.941	-31.84	0.010	0.00	0.00	45.4	0.000
6/9/2025 20:00	13.2	10.06	261	4.55	234	0.00	4.92	4.62	0.545	0.941	-31.78	0.010	0.00	0.00	45.4	0.000
6/9/2025 21:00	12.3	10.14	267	4.51	234	0.00	4.91	4.35	0.545	0.941	-42.96	0.010	0.00	0.00	45.4	0.000
6/9/2025 22:00	12.5	10.17	267	4.54	234	0.00	4.93	4.42	0.545	0.941	-41.22	0.010	0.00	0.00	45.4	0.000
6/9/2025 23:00	12.0	10.32	266	4.54	234	0.00	4.92	4.31	0.545	0.941	-46.95	1.400	33.54	0.00	45.4	0.000
6/10/2025 0:00	12.6	10.19	260	4.59	234	0.00	4.95	4.48	0.545	0.941	-41.44	1.400	37.50	11.18	45.4	0.084
6/10/2025 1:00	12.1	10.12	258	4.64	234	0.00	4.94	4.28	0.545	0.941	-56.21	1.400	22.80	23.68	45.4	0.175
6/10/2025 2:00	12.8	10.10	255	4.64	234	0.00	4.92	4.50	0.545	0.941	-44.16	1.400	34.78	31.28	45.4	0.235
6/10/2025 3:00	12.7	10.11	255	4.65	234	0.00	4.91	4.49	0.545	0.941	-44.99	1.400	33.37	31.69	45.4	0.239
6/10/2025 4:00	13.2	10.12	257	4.73	234	0.00	4.93	4.66	0.545	0.941	-40.58	1.400	37.57	30.32	45.4	0.229
6/10/2025 5:00	13.4	10.07	254	4.74	234	0.00	4.90	4.72	0.545	0.941	-38.17	1.400	39.11	35.24	45.4	0.263
6/10/2025 6:00	13.4	10.01	253	4.74	234	0.00	4.91	4.67	0.545	0.941	-41.42	1.400	38.09	36.68	45.4	0.274
6/10/2025 7:00	15.6	10.05	257	4.74	234	0.00	4.90	5.48	0.545	0.941	3.94	1.400	80.73	38.26	45.4	0.289
6/10/2025 8:00	16.2	10.03	255	4.73	234	0.00	4.93	5.68	0.545	0.941	15.58	1.400	92.37	52.64	45.4	0.399
6/10/2025 9:00	15.5	10.01	256	4.75	234	0.00	5.23	5.40	0.545	0.941	-0.83	1.400	75.96	70.40	45.4	0.533
6/10/2025 10:00	15.3	10.01	258	4.76	234	-0.01	5.64	5.34	0.545	0.941	-5.73	1.400	71.06	83.02	45.4	0.627
6/10/2025 11:00	15.6	9.99	259	4.77	234	-0.01	5.69	5.45	0.545	0.941	-0.39	1.400	76.78	79.80	45.4	0.598
6/10/2025 12:00	16.8	10.02	262	4.78	234	-0.01	6.04	5.87	0.545	0.941	22.77	1.400	99.56	74.60	45.4	0.559
6/10/2025 13:00	15.8	10.05	264	4.81	234	-0.01	6.07	5.54	0.545	0.941	2.54	1.400	79.33	82.47	45.4	0.618
6/10/2025 14:00	15.8	10.05	264	4.84	234	-0.01	5.75	5.53	0.545	0.941	0.00	1.400	77.54	85.22	45.4	0.640
6/10/2025 15:00	15.9	10.05	266	4.82	234	-0.01	5.75	5.57	0.545	0.941	3.42	1.400	80.21	85.48	45.4	0.642
6/10/2025 16:00	15.7	10.07	264	4.78	234	-0.01	5.77	5.53	0.545	0.941	4.13	1.400	80.92	79.03	45.4	0.592
6/10/2025 17:00	15.3	10.04	261	4.75	234	-0.01	5.78	5.34	0.545	0.941	-4.27	1.400	72.78	79.56	45.4	0.598
6/10/2025 18:00	16.1	10.09	263	4.75	234	-0.01	5.72	5.65	0.545	0.941	12.57	1.400	89.36	77.97	45.4	0.586
6/10/2025 19:00	15.5	10.07	259	4.78	234	0.00	5.73	5.43	0.545	0.941	-1.07	1.400	75.76	81.02	45.4	0.611
6/10/2025 20:00	15.8	10.10	263	4.79	234	0.00	5.77	5.59	0.545	0.941	5.99	1.400	82.78	79.30	45.4	0.597
6/10/2025 21:00	15.7	10.09	260	4.85	234	0.00	5.74	5.53	0.545	0.941	-0.55	1.400	76.24	82.64	45.4	0.621
6/10/2025 22:00	15.7	10.12	261	4.76	234	0.00	5.26	5.55	0.545	0.941	6.00	1.400	82.79	78.26	45.4	0.587
6/10/2025 23:00	15.3	10.22	259	4.85	234	0.00	4.87	5.46	0.545	0.941	-4.72	1.400	72.07	80.60	45.4	0.603
6/11/2025 0:00	16.0	10.02	254	4.83	234	0.00	4.87	5.58	0.545	0.941	3.31	1.400	80.21	77.03	45.4	0.574
6/11/2025 1:00	15.3	10.00	250	4.84	234	0.00	4.87	5.35	0.545	0.941	-10.14	1.400	66.65	78.35	45.4	0.584
6/11/2025 2:00	15.9	9.96	248	4.82	234	0.00	4.87	5.52	0.545	0.941	0.51	1.400	77.42	72.98	45.4	0.544
6/11/2025 3:00	14.9	9.99	251	4.81	234	0.00	4.82	5.18	0.545	0.941	-17.15	1.400	59.64	74.76	45.5	0.558
6/11/2025 4:00	15.7	9.98	249	4.76	234	0.00	4.87	5.46	0.545	0.941	1.48	1.400	78.91	67.91	45.5	0.506
6/11/2025 5:00	15.4	9.98	246	4.77	234	0.00	4.92	5.36	0.545	0.941	-4.71	1.400	72.08	71.99	45.5	0.536
6/11/2025 6:00	15.7	10.00	249	4.78	234	0.00	4.91	5.46	0.545	0.941	0.65	1.400	77.44	70.21	45.5	0.522
6/11/2025 7:00	18.1	9.96	246	4.75	234	0.00	4.91	6.28	0.545	0.941	48.33	1.400	125.12	76.14	45.5	0.567
6/11/2025 8:00	16.4	9.98	245	4.72	234	0.00	4.88	5.73	0.545	0.941	18.69	1.400	95.48	91.55	45.5	0.682
6/11/2025 9:00	16.3	10.03	249	4.77	234	0.00	5.24	5.72	0.545	0.941	15.22	0.010	14.83	99.35	45.5	0.741
6/11/2025 10:00	16.6	10.03	249	4.83	234	0.00	5.33	5.80	0.545	0.941	15.50	0.010	15.30	78.48	45.5	0.591
6/11/2025 11:00	16.9	9.99	246	4.86	234	0.00	5.08	5.89	0.545	0.941	18.79	0.010	17.11	41.87	45.5	0.324
6/11/2025 12:00	17.1	9.95	245	4.91	234	0.00	5.69	5.95	0.545	0.941	19.50	0.010	16.89	15.75	45.5	0.125
6/11/2025 13:00	17.3	9.92	244	4.91	234	-0.01	6.33	5.98	0.545	0.941	21.19	0.010	19.78	16.43	45.5	0.131
6/11/2025 14:00	17.8	9.90	242	4.92	234	-0.01	6.77	6.15	0.545	0.941	30.24	0.010	25.02	17.92	45.5	0.144
6/11/2025 15:00	17.6	9.87	241	4.86	234	-0.01	7.64	6.05	0.545	0.941	28.34	0.010	24.57	20.56	45.5	0.167
6/11/2025 16:00	17.8	9.83	241	4.89	234	-0.01	8.29	6.10	0.545	0.941	29.31	0.010	24.20	23.12	45.5	0.192
6/11/2025 17:00	16.6	9.77	245	4.86	234	-0.01	7.65	5.68	0.545	0.941	7.29	0.010	11.92	24.60	45.4	0.206
6/11/2025 18:00	16.5	9.79	249	4.82	234	-0.01	5.72	5.65	0.545	0.941	8.18	0.010	12.96	20.23	45.4	0.169
6/11/2025 19:00	16.5	9.82	252	4.74	234	-0.01	4.92	5.67	0.545	0.941	14.03	0.010	16.36	16.36	45.4	0.135
6/11/2025 20:00	16.5	9.77	247	4.70	234	-0.01	5.02	5.64	0.545	0.941	15.38	0.010	15.46	13.75	45.4	0.112
6/11/2025 21:00	17.5	9.80	255	4.73	234	-0.01	5.09	5.99	0.545	0.941	32.59	0.010	27.74	14.93	45.4	0.120
6/11/2025 22:00	16.1	10.11	264	4.73	234	-0.01	5.21	5.67	0.545	0.941	14.67	0.010	14.50	19.85	45.4	0.161
6/11/2025 23:00	16.2	9.97	257	4.71	234	-0.01	5.07	5.64	0.545	0.941	14.67	0.010	17.01	19.23	45.4	0.158
6/12/2025 0:00	15.4	9.88	250	4.71	234	-0.01	4.86	5.32	0.545	0.941	-2.89	0.010	7.24	19.75	45.4	0.164
6/12/2025 1:00	15.5	9.82	239	4.73	234	-0.01	4.89	5.31	0.545	0.941	-4.97	0.010	6.94	12.92	45.4	0.107
6/12/2025 2:00	15.0	9.83	239	4.70	234	-0.01	4.88	5.14	0.545	0.941	-13.12	0.010	5.86	10.40	45.4	0.087
6/12/2025 3:00	14.7	10.00	254	4.69	234	0.00	4.88	5.14	0.545	0.941	-12.15	0.010	3.79	6.68	45.4	0.057
6/12/2025 4:00	14.8	10.12	263	4.66	234	0.00	4.92	5.21	0.545	0.941	-6.46	0.010	6.26	5.53	45.4	0.047
6/12/2025 5:00	14.9	10.10	259	4.68	234	0.00	4.87	5.24	0.545	0.941	-5.92	0.010	5.89	5.30	45.4	0.046
6/12/2025 6:00	15.8	9.98	247	4.68	234	0.00	4.97	5.49	0.545	0.941	7.77	0.010	11.89	5.31	45.4	0.046
6/12/2025 7:00	17.4	9.94	241	4.76	234	0.00	4.92	6.03	0.545	0.941	33.57	0.010	27.51	8.01	45.4	0.068
6/12/2025 8:00	16.3	10.15	241	4.81	234	0.00	4.92	5.77	0.545	0.941	15.56	0.010	15.75	15.10	45.4	0.127
6/12/2025 9:00	15.9	10.05	255	4.85	234	0.00	4.90	5.58	0.545	0.941	2.37	0.010	9.02	18.39	45.4	0.152
6/12/2025 10:00	16.2	10.14	268	4.94	228	0.00	5.01	5.74	0.545	0.941	5.59	0.010	10.50	17.43	45.4	0.144
6/12/2025 11:00	15.7	10.24	275	5.03	220	-0.01	5.54	5.62	0.545	0.941	-6.72	0.010	7.29	11.76	45.4	0.098
6/12/2025 12:00	17.1	10.14	262	5.17	217	-0.01	5.71	6.04	0.545	0.941	7.10	0.010	13.44	8.94	45.4	0.075
6/12/2025 13:00	19.8	9.78	224	5.79	208	-0.01	5.27	6.76	0.545	0.941	9.15	0.010	13.04	10.41	45.4	0.086
6/12/2025 14:00	19.0	9.82	234	5.51	206	-0.01	4.92	6.52	0.545	0.941	13.94	0.010	16.37	11.25	45.4	0.095
6/12/2025 15:00	17.5	9.79	245	5.15	204	-0.01	5.21	5.97	0.545	0.941	5.24	0.010	11.65	14.28	45.4	0.120
6/12/2025 16:00	17.3	9.81	252	4.92	202	-0.01	6.08	5.91	0.545	0.941	17.47	0.010	19.08	13.69	45.4	0.116
6/12/2025 17:00	16.7	9.85	255	4.85	202	-0.01	6.22	5.74	0.545	0.941	11.60	0.010	12.77	15.70	45.4	0.132
6/12/2025 18:00	17.5	9.77	246	4.80	202	-0.01	5.59	5.96	0.545	0.941	28.63	0.010	26.86	14.50	45.4	0.123
6/12/2025 19:00	17.6	9.82	248	4.82	202	-0.01	4.87	6.04	0.545	0.941	31.65	0.010	28.20	19.57	45.4	0.164
6/12/2025 20:00	16.9	10.02	265	4.82	202	-0.01	4.89	5.90	0.545	0.941	22.98	0.010	20.87	22.61	45.3	0.186
6/12/2025 21:00	16.3	10.04	268	4.78	202	-0.01	4.89	5.70	0.545	0.941	13.34	0.010	18.27	25.31	45.3	0.206
6/12/2025 22:00	15.3	10.35	281	4.70	202	-0.01	4.94	5.51	0.545	0.941	7.76	0.010	12.71	22.45	45.3	0.180
6/12/2025 23:00	14.5	10.66	289	4.65	202	0.00	4.94	5.40	0.545	0.941	5.03	0.010	12.50	17.28	45.3	0.139
6/13/2025 0:00	15.3	10.66	292	4.67	202	0.00	4.85	5.67	0.545	0.941	18.77	0.010	18.70	14.49	45.3	0.117
6/13/2025 1:00	15.2	10.50	290	4.66	202	0.00	4.89	5.58	0.545	0.941	14.31	0.010	15.39	14.64	45.3	0.119
6/13/2025 2:00	17.1	10.24	277	4.71	202	0.00	4.89	6.12	0.545	0.941	42.06	0.010	38.39	15.53	45.3	0.127
6/13/2025 3:00	18.0	10.09	264	4.69	202	0.00	4.89	6.34	0.545	0.941	57.05	0.010	49.97	24.16	45.3	0.197
6/13/2025 4:00	19.3	10.03	257	4.68	202	0.00	4.86	6.74	0.545	0.941	82.09	0.010	73.57	34.58	45.3	0.284
6/13/2025 5:00	20.9	10.29	276	4.75	202	0.00	4.91	7.50	0.545	0.941	116.49	0.010	107.96	53.97	45.3	0.446
6/13/2025 6:00	21.0	10.25	271	4.74	202	0.00	4.94	7.51	0.545	0.941	119.80	0.010	111.28	77.17	45.3	0.642
6/13/2025 7:00	18.9	10.23	269	4.76	202	0.00	4.92	6.75	0.545	0.941	74.86	0.010	68.31	97.60	45.4	0.814
6/13/2025 8:00	19.1	10.23	269	4.82	202	0.00	4.95	6.81	0.545	0.941	74.42	0.010	67.12	95.85	45.4	0.800
6/13/2025 9:00	21.1	10.31	276	4.80	202	0.00	4.90	7.60	0.545	0.941	119.63	0.010	111.11	82.24	45.4	0.685
6/13/2025 10:00	21.5	10.24	274	4.72	202	0.00	5.01	7.69	0.545	0.941	130.31	0.010	121.79	82.18	45.4	0.686
6/13/2025 11:00	21.9	10.18	271	4.70	202	0.00	4.99	7.77	0.545	0.941	136.76	0.010	128.24	100.01	45.4	0.839
6/13/2025 12:00	23.3	10.13	267	4.67	202	0.00	4.91	8.22	0.545	0.941	165.59	0.010	157.07	120.38	45.4	1.015
6/13/2025 13:00	22.2	10.16	271	4.66	202	0.00	4.90	7.87	0.545	0.941	144.91	0.010	136.39	135.70	45.4	1.147
6/13/2025 14:00	23.4	10.16	270	4.64	202	0.00	4.90	8.28	0.545	0.941	170.10	0.010	161.58	140.56	45.4	1.199
6/13/2025 15:00	23.7	10.14	271	4.65	202	0.00	4.96	8.39	0.545	0.941	175.70	0.010	167.18	151.68	45.4	1.301
6/13/2025 16:00	22.4	10.38	285	4.66	202	0.00	5.12	8.12	0.545	0.941	154.42	0.010	145.90	155.05	45.4	1.345
6/13/2025 17:00	22.8	10.18	272	4.62	202	0.00	5.84	8.10	0.545	0.941	160.53	0.010	152.01	158.22	45.5	1.375
6/13/2025 18:00	25.6	10.36	285	4.62	202	0.00	5.77	9.26	0.545	0.941	221.30	0.010	212.78	155.03	45.5	1.354
6/13/2025 19:00	24.1	10.65	303	4.61	202	0.00	5.80	8.97	0.545	0.941	197.67	0.010	189.15	170.23	45.5	1.481
6/13/2025 20:00	24.4	10.67	302	4.70	202	0.00	5.81	9.09	0.545	0.941	199.05	0.010	190.53	184.64	45.5	1.592
6/13/2025 21:00	25.4	10.41	286	4.78	202	0.00	5.70	9.22	0.545	0.941	208.05	0.010	199.53	197.48	45.5	1.680
6/13/2025 22:00	25.5	10.59	286	4.76	202	0.00	5.03	9.40	0.545	0.941	219.30	0.010	210.77	193.07	45.6	1.614
6/13/2025 23:00	25.8	10.36	273	4.71	202	0.00	4.92	9.33	0.545	0.941	223.94	0.010	215.42	200.28	45.6	1.670
6/14/2025 0:00	29.3	10.31	280	4.73	202	0.00	5.00	10.56	0.545	0.941	288.08	0.010	279.56	208.57	45.6	1.733
6/14/2025 1:00	28.9	10.26	276	4.74	202	0.00	4.83	10.33	0.545	0.941	276.99	0.010	268.47	235.25	45.6	1.956

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/14/2025 2:00	29.5	10.19	271	4.79	202	0.00	5.01	10.50	0.545	0.941	286.68	0.010	278.16	254.48	45.7	2.118
6/14/2025 3:00	30.2	10.15	269	4.80	202	0.00	5.00	10.69	0.545	0.941	298.13	0.010	289.61	275.39	45.7	2.307
6/14/2025 4:00	29.7	10.08	261	4.82	202	0.00	4.98	10.45	0.545	0.941	287.92	0.010	279.40	278.74	45.7	2.346
6/14/2025 5:00	30.4	10.31	276	4.89	197	0.00	5.81	10.93	0.545	0.941	305.30	0.010	296.78	282.39	45.7	2.382
6/14/2025 6:00	32.7	10.46	284	4.96	193	0.00	5.81	11.92	0.545	0.941	354.91	0.010	346.39	288.59	45.8	2.433
6/14/2025 7:00	26.0	10.35	275	5.05	186	0.00	5.79	9.39	0.545	0.941	210.03	0.010	202.10	307.52	45.8	2.598
6/14/2025 8:00	17.0	12.05	370	5.45	117	0.00	5.82	7.16	0.545	0.941	51.35	0.010	47.07	281.76	45.8	2.372
6/14/2025 9:00	23.7	9.94	454	6.92	1	0.00	5.81	8.08	0.545	0.941	10.15	0.010	16.52	198.52	45.8	1.668
6/14/2025 10:00	26.0	9.22	452	7.51	1	0.00	5.75	8.37	0.545	0.941	-11.75	0.010	6.15	88.56	45.8	0.741
6/14/2025 11:00	24.8	9.23	456	7.54	1	0.00	5.78	7.97	0.545	0.941	-37.77	0.010	0.45	23.25	45.8	0.195
6/14/2025 12:00	24.5	9.35	457	7.78	1	0.00	5.72	7.99	0.545	0.941	-51.96	0.010	7.60	7.71	45.8	0.065
6/14/2025 13:00	24.2	9.33	453	7.85	1	0.00	6.14	7.88	0.545	0.941	-64.77	0.010	0.11	4.73	45.8	0.040
6/14/2025 14:00	25.5	9.21	447	7.84	1	0.00	7.42	8.19	0.545	0.941	-46.14	0.010	1.02	2.72	45.8	0.023
6/14/2025 15:00	25.4	9.25	449	7.83	1	0.00	7.91	8.21	0.545	0.941	-43.72	0.010	0.85	2.91	45.8	0.025
6/14/2025 16:00	25.2	9.21	446	7.87	1	0.00	9.04	8.09	0.545	0.941	-54.71	0.010	0.22	0.66	45.8	0.006
6/14/2025 17:00	24.3	9.38	457	7.90	1	0.00	7.71	7.94	0.545	0.941	-63.45	0.010	0.08	0.70	45.8	0.006
6/14/2025 18:00	24.3	9.26	450	7.91	1	0.00	7.49	7.84	0.545	0.941	-71.60	0.010	1.19	0.38	45.7	0.003
6/14/2025 19:00	25.3	9.14	443	7.93	1	0.00	7.50	8.07	0.545	0.941	-60.16	0.010	0.27	0.49	45.7	0.004
6/14/2025 20:00	28.0	8.92	432	7.90	1	0.00	7.51	8.71	0.545	0.941	-19.48	0.010	2.77	0.51	45.7	0.004
6/14/2025 21:00	28.1	9.17	446	7.93	1	0.00	7.53	8.98	0.545	0.941	-4.35	0.010	8.98	1.41	45.7	0.012
6/14/2025 22:00	29.1	9.02	439	7.90	1	0.00	7.51	9.16	0.545	0.941	8.26	0.010	14.96	4.00	45.7	0.033
6/14/2025 23:00	27.9	9.13	446	7.92	1	0.00	7.50	8.89	0.545	0.941	-9.45	0.010	7.30	8.90	45.7	0.073
6/15/2025 0:00	28.9	9.21	449	7.85	1	0.00	7.51	9.27	0.545	0.941	18.60	0.010	19.83	10.41	45.7	0.085
6/15/2025 1:00	28.5	9.01	439	7.78	1	0.00	7.49	8.95	0.545	0.941	3.83	0.010	12.72	14.03	45.7	0.115
6/15/2025 2:00	29.3	9.16	448	7.75	1	0.00	7.50	9.37	0.545	0.941	31.29	0.010	28.17	13.29	45.7	0.109
6/15/2025 3:00	29.1	9.13	448	7.83	1	0.00	7.50	9.28	0.545	0.941	20.55	0.010	19.56	20.24	45.7	0.166
6/15/2025 4:00	30.0	9.10	444	7.80	1	0.00	7.51	9.54	0.545	0.941	38.10	0.010	33.53	20.15	45.7	0.166
6/15/2025 5:00	28.8	9.38	458	7.85	1	0.00	7.52	9.41	0.545	0.941	26.50	0.010	23.59	27.08	45.7	0.224
6/15/2025 6:00	30.0	9.22	448	7.85	1	0.00	7.52	9.66	0.545	0.941	42.24	0.010	40.30	25.56	45.7	0.212
6/15/2025 7:00	31.0	9.20	450	7.86	1	0.00	7.53	9.95	0.545	0.941	57.46	0.010	49.24	32.47	45.7	0.268
6/15/2025 8:00	30.3	9.50	467	7.79	1	0.00	7.55	10.05	0.545	0.941	66.67	0.010	58.18	37.71	45.7	0.311
6/15/2025 9:00	29.1	9.54	470	7.78	1	0.00	7.54	9.69	0.545	0.941	46.43	0.010	39.12	49.24	45.7	0.405
6/15/2025 10:00	28.0	9.39	460	7.78	1	0.00	7.51	9.15	0.545	0.941	16.08	0.010	19.64	48.85	45.7	0.402
6/15/2025 11:00	31.1	9.21	450	7.76	1	0.00	7.49	9.99	0.545	0.941	67.75	0.010	59.80	38.98	45.7	0.321
6/15/2025 12:00	32.9	9.09	444	7.76	1	0.00	7.49	10.43	0.545	0.941	95.61	0.010	87.09	39.52	45.7	0.326
6/15/2025 13:00	32.3	9.13	446	7.77	1	0.00	7.53	10.29	0.545	0.941	86.03	0.010	77.69	55.51	45.7	0.460
6/15/2025 14:00	32.2	9.06	441	7.84	1	0.00	7.69	10.18	0.545	0.941	75.23	0.010	66.70	74.86	45.7	0.624
6/15/2025 15:00	31.8	9.00	438	7.88	1	0.00	7.66	9.99	0.545	0.941	61.26	0.010	53.57	77.16	45.7	0.649
6/15/2025 16:00	30.9	9.17	448	7.92	1	0.00	7.64	9.88	0.545	0.941	50.15	0.010	43.28	65.99	45.7	0.557
6/15/2025 17:00	30.9	9.14	446	7.99	1	0.00	7.57	9.85	0.545	0.941	43.83	0.010	38.46	54.52	45.7	0.460
6/15/2025 18:00	33.1	8.98	438	7.97	1	0.00	7.58	10.38	0.545	0.941	78.97	0.010	71.58	45.10	45.7	0.379
6/15/2025 19:00	35.1	8.92	433	7.90	1	0.00	9.85	10.93	0.545	0.941	120.39	0.010	112.03	51.11	45.7	0.429
6/15/2025 20:00	36.1	8.98	436	7.90	1	0.00	12.84	11.30	0.545	0.941	143.57	0.010	135.05	74.02	45.7	0.618
6/15/2025 21:00	35.6	9.15	443	7.89	1	0.00	16.46	11.35	0.545	0.941	145.94	0.010	137.42	106.22	45.7	0.884
6/15/2025 22:00	33.1	9.21	446	7.09	1	0.00	23.36	10.64	0.545	0.941	159.75	0.010	151.23	128.17	45.8	1.059
6/15/2025 23:00	34.4	8.82	418	7.18	1	0.00	31.03	10.58	0.545	0.941	164.09	0.010	155.57	141.23	45.8	1.165
6/16/2025 0:00	37.2	9.01	422	7.83	1	0.00	32.39	11.69	0.540	0.943	191.77	0.010	183.25	148.07	45.8	1.228
6/16/2025 1:00	35.2	8.95	436	7.82	1	0.00	12.45	10.99	0.540	0.943	133.48	0.010	124.96	163.35	45.8	1.363
6/16/2025 2:00	35.0	9.29	459	7.82	1	0.00	8.86	11.34	0.540	0.943	146.53	0.010	138.00	154.59	45.8	1.288
6/16/2025 3:00	33.9	9.38	461	7.83	1	0.00	9.99	11.10	0.540	0.943	131.36	0.010	122.84	148.74	45.8	1.239
6/16/2025 4:00	35.2	9.00	441	7.83	1	0.00	11.12	11.07	0.540	0.943	135.89	0.010	127.37	128.60	45.8	1.063
6/16/2025 5:00	36.7	8.97	439	7.82	1	0.00	12.65	11.49	0.540	0.943	164.00	0.010	155.48	129.40	45.8	1.073
6/16/2025 6:00	39.0	8.78	432	7.80	1	0.00	2.37	11.96	0.540	0.943	192.69	0.010	184.17	135.23	45.9	1.117
6/16/2025 7:00	33.8	8.91	441	7.75	1	0.00	0.37	10.50	0.540	0.943	103.34	0.010	95.20	155.67	45.9	1.292
6/16/2025 8:00	31.2	8.92	444	7.68	1	0.00	0.15	9.72	0.540	0.943	60.48	0.010	52.84	144.95	45.9	1.199
6/16/2025 9:00	30.3	9.12	449	7.62	1	0.00	0.03	9.65	0.540	0.943	60.45	0.010	51.95	110.73	45.9	0.919
6/16/2025 10:00	29.7	9.07	448	7.58	1	0.00	-0.01	9.41	0.540	0.943	49.21	0.010	43.21	66.66	45.9	0.555
6/16/2025 11:00	32.5	8.21	443	7.58	1	0.00	-0.01	9.29	0.540	0.943	41.97	0.010	36.16	49.33	45.9	0.414
6/16/2025 12:00	33.6	8.02	443	7.50	1	0.00	0.00	9.41	0.540	0.943	55.10	0.010	48.46	43.77	45.9	0.368
6/16/2025 13:00	32.4	8.03	442	7.52	1	0.00	-0.01	9.07	0.540	0.943	33.33	0.010	29.70	42.61	45.9	0.360
6/16/2025 14:00	32.0	7.99	441	7.55	1	0.00	-0.01	8.93	0.540	0.943	22.82	0.010	20.22	38.11	45.9	0.323
6/16/2025 15:00	32.6	8.11	448	7.46	1	0.00	-0.01	9.22	0.540	0.943	45.45	0.010	39.00	32.79	45.9	0.278
6/16/2025 16:00	31.6	8.20	453	7.35	1	0.00	0.00	9.06	0.540	0.943	42.81	0.010	36.61	29.64	45.9	0.251
6/16/2025 17:00	30.8	8.21	454	7.28	1	0.00	0.01	8.83	0.540	0.943	33.33	0.010	28.22	31.94	45.9	0.270
6/16/2025 18:00	31.9	8.35	463	7.22	1	0.00	0.01	9.30	0.540	0.943	64.36	0.010	56.11	34.61	45.9	0.291
6/16/2025 19:00	31.4	8.29	459	7.18	1	0.00	0.17	9.08	0.540	0.943	55.05	0.010	47.50	40.31	45.9	0.338
6/16/2025 20:00	29.0	8.41	467	7.13	1	0.00	1.93	8.49	0.540	0.943	23.27	0.010	20.95	43.94	45.9	0.368
6/16/2025 21:00	27.9	8.67	479	7.12	1	0.00	6.28	8.44	0.540	0.943	20.71	0.010	20.38	41.52	45.9	0.347
6/16/2025 22:00	28.7	8.63	477	6.93	1	0.00	5.23	8.66	0.540	0.943	45.22	0.010	38.51	29.61	45.9	0.247
6/16/2025 23:00	29.6	8.51	457	7.07	1	0.00	5.82	8.79	0.540	0.943	45.57	0.010	38.80	26.61	45.8	0.222
6/17/2025 0:00	32.6	8.33	452	7.13	1	0.00	5.82	9.48	0.540	0.943	83.33	0.010	74.81	32.56	45.9	0.272
6/17/2025 1:00	33.4	8.08	445	7.19	1	0.00	5.79	9.42	0.540	0.943	77.28	0.010	68.76	50.71	45.9	0.424
6/17/2025 2:00	33.4	7.88	434	7.28	1	0.00	5.79	9.17	0.540	0.943	57.08	0.010	49.51	60.79	45.9	0.511
6/17/2025 3:00	33.8	8.00	440	7.33	1	0.00	5.80	9.43	0.540	0.943	68.55	0.010	61.18	64.36	45.9	0.542
6/17/2025 4:00	33.4	8.13	447	7.33	1	0.00	5.75	9.47	0.540	0.943	70.71	0.010	62.19	59.82	45.9	0.503
6/17/2025 5:00	33.5	8.03	441	7.32	1	0.00	5.77	9.37	0.540	0.943	66.04	0.010	58.24	57.63	45.9	0.485
6/17/2025 6:00	34.0	7.97	439	7.33	1	0.00	5.74	9.45	0.540	0.943	70.74	0.010	62.22	60.54	45.9	0.512
6/17/2025 7:00	35.8	8.12	447	7.33	1	0.00	5.79	10.15	0.540	0.943	110.97	0.010	102.44	60.89	45.9	0.516
6/17/2025 8:00	34.2	8.19	451	7.30	1	0.00	5.76	9.78	0.540	0.943	89.86	0.010	81.33	74.30	45.9	0.633
6/17/2025 9:00	34.1	8.35	460	7.35	8	0.00	5.87	9.93	0.540	0.943	93.12	0.010	84.60	82.00	45.9	0.696
6/17/2025 10:00	29.5	9.70	450	7.29	0	0.00	5.80	9.97	0.540	0.943	102.77	0.010	94.25	89.46	45.9	0.758
6/17/2025 11:00	30.7	9.72	450	7.48	0	0.00	5.77	10.41	0.540	0.943	115.92	0.010	107.40	86.73	45.9	0.733
6/17/2025 12:00	31.4	9.99	465	7.58	0	0.00	6.12	10.96	0.540	0.943	137.14	0.010	128.62	95.42	45.9	0.805
6/17/2025 13:00	27.2	11.19	473	7.57	0	0.00	6.39	10.57	0.540	0.943	113.54	0.010	105.20	110.09	45.9	0.935
6/17/2025 14:00	25.0	10.77	471	7.56	0	-0.01	5.79	9.41	0.540	0.943	48.26	0.010	42.04	113.74	45.9	0.963
6/17/2025 15:00	26.3	10.35	458	7.60	0	-0.01	5.75	9.49	0.540	0.943	52.23	0.010	45.54	91.95	45.9	0.767
6/17/2025 16:00	27.5	10.28	458	7.75	0	-0.01	5.76	9.86	0.540	0.943	63.47	0.010	56.35	64.26	45.9	0.525
6/17/2025 17:00	29.1	10.31	459	7.86	0	-0.01	5.77	10.45	0.540	0.943	90.72	0.010	82.20	47.98	45.9	0.390
6/17/2025 18:00	30.5	10.24	456	7.72	0	-0.01	5.83	10.88	0.540	0.943	126.99	0.010	118.47	61.36	45.9	0.503
6/17/2025 19:00	28.9	10.57	474	7.72	0	0.00	5.83	10.68	0.540	0.943	109.48	0.010	100.95	85.67	45.9	0.709
6/17/2025 20:00	29.4	10.78	481	7.85	29	0.00	5.95	11.06	0.540	0.943	116.01	0.010	107.49	100.54	45.9	0.833
6/17/2025 21:00	33.0	10.17	430	8.99	22	0.00	5.84	11.71	0.540	0.943	90.60	0.010	82.08	108.97	45.9	0.903
6/17/2025 22:00	38.6	8.84	316	9.27	105	0.00	5.88	11.81	0.540	0.943	83.93	0.010	76.84	96.84	45.9	0.800
6/17/2025 23:00	47.2	7.87	214	9.48	172	0.00	5.81	12.95	0.540	0.943	154.94	0.010	146.41	88.80	46.0	0.736
6/18/2025 0:00	48.6	7.72	205	9.10	179	0.00	5.83	13.08	0.540	0.943	194.41	0.010	185.88	101.78	46.0	0.850
6/18/2025 1:00	44.1	7.86	211	8.44	179	0.00	5.85	12.10	0.540	0.943	175.42	0.010	166.90	136.38	46.0	1.149
6/18/2025 2:00	40.3	8.03	222	7.93	179	-0.01	5.81	11.31	0.540	0.943	156.44	0.010	147.92	166.40	46.0	1.395
6/18/2025 3:00	40.1	7.92	214	7.91	179	-0.01	5.77	11.08	0.540	0.943	145.33	0.010	136.81	166.90	46.0	1.384
6/18/2025 4:00	41.8	7.68	211	7.87	179	0.00	5.85	11.20	0.540	0.943	158.24	0.010	149.72	150.54	46.0	1.230
6/18/2025 5:00	40.9	7.69	213	7.76	179	0.00	2.04	10.98	0.540	0.943	148.99	0.010	140.47	144.82	46.0	1.175
6/18/2025 6:00	39.6	7.69	221	7.12	179	0.00	0.13	10.63	0.540	0.943	170.41	0.010	161.89	142.33	46.0	1.149
6/18/2025 7:00	32.8	7.91	257	6.23	179	0.00	0.02	9.02	0.540	0.943	121.38	0.010	112.86	150.69	46.1	1.216
6/18/2025 8:00	22.0	7.64	250	4.73	179	0.00	-0.01	5.85	0.540	0.943	30.55	0.010	27.25	138.41	46.1	1.115
6/18/2025 9:00	24.0	7.65	252	4.89	179	0.00	-0.01	6.39	0.540	0.943	52.71	0.010	8.58	100.67	46.0	0.806
6/18/2025 10:00	25.1	7.56	249	4.94	179	-0.01	-0.01	6.61	0.540	0.943	62.89	0.010	16.36	49.56	46.0	0.394
6/18/2025 11:00	24.4	7.84	271	4.97	179	-0.01	-0.01	6.68	0.540	0.943	61.74	0.010	11.58	17.40	46.0	0.138
6/18/2025 12:00	25.0	7.70	260	5.03	179	-0.01	0.00	6.71	0.540	0.943	61.13	0.010	12.87	12.17	46.0	0.096
6/18/2025 13:00	25.4	7.52	246	5.04	179	-0.01	0.00	6.66	0.540	0.943	59.13	0.010	12.10	13.60	46.0	0.107
6/18/2025 14:00	24.3	7.56	248	4.84	179	-0.01	0.02	6.40	0.540	0.943	57.01	0.010	14.14	12.19	46.0	0.096
6/18/2025 15:00	22.7	7.68	255	4.65	179	-0.01	0.02	6.09	0.540	0.943	50.48	0.010	5.62	13.04	46.0	0.103
6/18/2025 16:00	20.2	7.77	266	4.26	179	0.00	0.02	5.47	0.540	0.943	38.62	0.010	4.66	10.62	46.0	0.084
6/18/2025 17:00	20.8	7.55	253	4.08	179	-0.01	0.01	5.49	0.540	0.943	53.54	0.010	7.24	8.14	46.0	0.065
6/18/2025 18:00	22.8	7.59	258	4.25	179	-0.01	0.01	6.05	0.540	0.943	75.39	0.010	25.16	5.84	46.0	0.046
6/18/2025 19:00	23.5	7.58	256	4.44	179	-0.01	0.01	6.22	0.540	0.943	72.96	0.010	20.96	12.35	46.0	0.097
6/18/2025 20:00	20.9	7.51	245	4.39	179	-0.01	0.01	5.49	0.540	0.943	31.91	0.010	3.68	17.79	46.0	0.141
6/18/2025 21:00	23.4	7.47	251	4.31	179	-0.01	0.02	6.09	0.540	0.943	74.35	0.010	25.07	16.60	46.0	0.131
6/18/2025 22:00	25.0	7.58	258	4.30	179	-0.01	0.02	6.63	0.540	0.943	106.35	0.010	48.19	16.57	46.0	0.132
6/18/2025 23:00	24.6	7.42	257	4.08	179	0.00	0.02	6.37	0.540	0.943	106.23	0.010	48.41	25.65	46.0	0.206
6/19/2025 0:00	26.1	7.39	253	4.41	179	0.00	0.02	6.72	0.540	0.943	106.23	0.010	48.19	40.56	46.0	0.331
6/19/2025 1:00	24.2	7.30	251	4.07	179	0.00	0.03	6.17	0.540	0.943	96.56	0.010	38.91	48.26	46.0	0.396
6/19/2025 2:00	24.4	7.29	249	4.09	179	0.00	0.02	6.21	0.540	0.943	97.85	0.010	40.93	45.17	46.0	0.371
6/19/2025 3:00	24.3	7.35	250	4.21	179	0.00	0.01	6.24	0.540	0.943	91.11	0.010	33.17	42.67	46.0	0.347
6/19/2025 4:00	23.3	7.29	246	4.13	179	0.00	0.01	5.94	0.540	0.943	79.30	0.010	23.84	37.67	46.0	0.306
6/19/2025 5:00	22.9	7.56	266	4.05	179	0.00	0.01	6.05	0.540	0.943	87.76	0.010	31.59	32.65	46.0	0.263
6/19/2025 6:00	22.4	7.48	259	3.88	179	0.00	0.01	5.86	0.540	0.943	88.96	0.010	31.43	29.53	46.0	0.237
6/19/2025 7:00	20.1	7.53	258	3.74	179	0.00	0.00	5.27	0.540	0.943	63.36	0.010	15.81	28.95	46.0	0.231
6/19/2025 8:00	19.2	7.75	272	3.67	179	0.00	0.00	5.20	0.540	0.943	60.41	0.010	14.32	26.27	46.0	0.208

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/19/2025 9:00	20.7	7.91	293	3.57	179	0.00	0.00	5.70	0.540	0.943	93.91	0.010	36.65	20.52	46.0	0.162
6/19/2025 10:00	20.0	7.84	290	3.62	179	0.00	0.00	5.48	0.540	0.943	78.58	0.010	24.81	22.26	46.0	0.175
6/19/2025 11:00	20.9	7.61	272	3.67	179	-0.01	0.65	5.56	0.540	0.943	82.72	0.010	27.16	25.26	46.0	0.200
6/19/2025 12:00	21.1	7.65	274	3.67	179	-0.01	3.54	5.63	0.540	0.943	87.24	0.010	30.15	29.54	46.0	0.236
6/19/2025 13:00	21.7	7.64	272	3.82	179	-0.01	5.71	5.80	0.540	0.943	87.84	0.010	31.28	27.37	46.0	0.220
6/19/2025 14:00	22.2	7.67	275	3.83	179	-0.01	6.42	5.95	0.540	0.943	95.37	0.010	37.42	29.53	46.0	0.238
6/19/2025 15:00	21.2	7.68	275	3.72	179	-0.01	5.60	5.67	0.540	0.943	86.92	0.010	30.86	32.95	46.0	0.266
6/19/2025 16:00	21.8	7.78	287	3.61	179	-0.01	1.97	5.91	0.540	0.943	104.45	0.010	47.28	33.19	46.0	0.271
6/19/2025 17:00	21.3	7.80	283	3.49	182	0.00	1.30	5.80	0.540	0.943	106.44	0.010	48.93	38.52	46.0	0.315
6/19/2025 18:00	22.4	7.74	276	3.31	184	0.00	3.79	6.05	0.540	0.943	135.00	0.010	76.54	42.36	46.0	0.346
6/19/2025 19:00	19.7	7.72	279	3.19	183	-0.01	4.61	5.30	0.540	0.943	98.39	0.010	40.40	57.58	46.0	0.469
6/19/2025 20:00	19.9	7.68	279	3.24	183	0.00	4.01	5.34	0.540	0.943	97.01	0.010	39.16	55.29	46.0	0.451
6/19/2025 21:00	19.8	7.85	283	3.22	183	0.00	3.35	5.41	0.540	0.943	101.50	0.010	44.38	52.03	46.0	0.425
6/19/2025 22:00	18.3	7.90	280	3.10	183	0.00	3.10	5.04	0.540	0.943	88.26	0.010	30.72	41.31	46.0	0.336
6/19/2025 23:00	18.8	7.55	269	3.04	183	0.00	3.18	4.95	0.540	0.943	89.37	0.010	31.80	38.09	46.0	0.311
6/20/2025 0:00	19.1	7.76	284	3.04	183	0.00	3.45	5.19	0.540	0.943	100.07	0.010	42.79	35.63	46.0	0.290
6/20/2025 1:00	18.4	7.77	283	3.03	183	0.00	3.30	4.98	0.540	0.943	89.24	0.010	31.88	35.10	46.0	0.286
6/20/2025 2:00	18.1	7.93	296	2.95	183	0.00	3.30	5.01	0.540	0.943	92.63	0.010	36.45	35.49	46.0	0.288
6/20/2025 3:00	16.6	8.04	305	2.81	183	0.00	3.15	4.66	0.540	0.943	80.76	0.010	23.79	37.04	46.0	0.302
6/20/2025 4:00	16.2	7.96	300	2.76	183	0.00	3.32	4.50	0.540	0.943	76.30	0.010	22.80	30.71	46.0	0.249
6/20/2025 5:00	16.0	7.69	277	2.74	183	0.00	3.66	4.29	0.540	0.943	69.36	0.010	15.55	27.68	46.0	0.225
6/20/2025 6:00	17.7	7.57	269	2.80	183	0.00	4.28	4.67	0.540	0.943	89.16	0.010	32.54	20.71	46.0	0.168
6/20/2025 7:00	16.7	7.62	274	2.84	183	0.00	4.10	4.43	0.540	0.943	71.94	0.010	23.34	23.63	46.0	0.192
6/20/2025 8:00	15.0	7.64	276	2.71	183	0.00	3.84	3.99	0.540	0.943	53.53	0.010	9.14	23.81	46.0	0.193
6/20/2025 9:00	14.7	7.60	273	2.74	183	0.00	4.66	3.91	0.540	0.943	47.38	0.010	5.81	21.68	45.9	0.176
6/20/2025 10:00	15.3	7.64	275	2.82	183	0.00	5.53	4.08	0.540	0.943	52.23	0.010	6.81	12.77	45.9	0.103
6/20/2025 11:00	16.1	7.63	273	3.02	183	0.00	5.72	4.29	0.540	0.943	51.18	0.010	7.27	7.26	45.9	0.059
6/20/2025 12:00	15.8	7.57	271	3.02	183	0.00	5.73	4.18	0.540	0.943	44.90	0.010	6.82	6.63	45.9	0.054
6/20/2025 13:00	16.0	7.59	274	3.12	183	0.00	5.96	4.24	0.540	0.943	41.38	0.010	5.78	6.97	45.9	0.057
6/20/2025 14:00	17.1	7.53	271	3.41	183	0.00	6.42	4.50	0.540	0.943	38.32	0.010	4.08	6.62	45.9	0.054
6/20/2025 15:00	17.0	7.58	272	3.71	183	-0.01	7.58	4.50	0.540	0.943	18.05	0.010	1.54	5.56	45.9	0.046
6/20/2025 16:00	17.9	7.62	269	3.84	183	-0.01	10.25	4.76	0.540	0.943	24.84	0.010	1.18	3.80	45.9	0.031
6/20/2025 17:00	18.3	7.66	269	3.82	183	-0.01	11.14	4.89	0.540	0.943	33.93	0.010	3.20	2.27	45.9	0.019
6/20/2025 18:00	18.7	7.65	268	3.81	183	-0.01	10.26	5.00	0.540	0.943	41.29	0.010	5.46	1.97	45.9	0.016
6/20/2025 19:00	18.1	7.76	277	3.73	183	-0.01	9.04	4.90	0.540	0.943	39.28	0.010	6.14	3.28	45.9	0.027
6/20/2025 20:00	17.5	7.73	276	3.65	183	-0.01	8.40	4.73	0.540	0.943	35.07	0.010	3.76	4.93	45.9	0.041
6/20/2025 21:00	16.5	7.91	280	3.65	183	-0.01	7.38	4.55	0.540	0.943	24.04	0.010	2.09	5.12	45.9	0.042
6/20/2025 22:00	17.8	7.75	276	3.65	183	-0.01	2.76	4.81	0.540	0.943	39.33	0.010	3.47	4.00	45.9	0.033
6/20/2025 23:00	17.8	7.73	278	3.61	183	-0.01	1.91	4.79	0.540	0.943	40.60	0.010	5.46	3.11	45.9	0.025
6/21/2025 0:00	18.2	7.76	280	3.53	183	-0.01	4.51	4.93	0.540	0.943	53.75	0.010	11.24	3.67	45.9	0.030
6/21/2025 1:00	17.1	8.06	303	3.62	183	-0.01	4.59	4.80	0.540	0.943	38.78	0.010	6.14	6.72	45.9	0.054
6/21/2025 2:00	18.2	7.95	293	3.62	183	-0.01	4.58	5.03	0.540	0.943	52.56	0.010	7.23	7.61	45.9	0.061
6/21/2025 3:00	17.6	7.68	270	3.54	183	0.00	4.20	4.72	0.540	0.943	41.97	0.010	4.00	8.20	45.9	0.066
6/21/2025 4:00	18.5	7.62	268	3.56	183	0.00	4.09	4.90	0.540	0.943	52.02	0.010	7.68	5.79	45.9	0.047
6/21/2025 5:00	19.1	7.58	266	3.58	183	0.00	4.19	5.05	0.540	0.943	58.94	0.010	11.69	6.30	45.9	0.051
6/21/2025 6:00	19.0	7.56	267	3.49	183	0.00	3.95	5.02	0.540	0.943	63.90	0.010	14.30	7.79	45.8	0.064
6/21/2025 7:00	16.6	7.61	274	3.16	183	0.00	3.89	4.40	0.540	0.943	48.07	0.010	7.58	11.22	45.8	0.093
6/21/2025 8:00	14.2	7.67	278	3.12	184	0.00	4.26	3.79	0.540	0.943	15.00	0.010	0.97	11.19	45.8	0.092
6/21/2025 9:00	14.1	7.63	276	3.05	183	0.00	4.67	3.75	0.540	0.943	16.93	0.010	1.31	7.62	45.8	0.063
6/21/2025 10:00	14.1	7.65	279	2.99	184	0.00	4.87	3.76	0.540	0.943	22.02	0.010	1.73	3.29	45.8	0.027
6/21/2025 11:00	14.8	7.69	282	2.90	184	0.00	4.33	3.98	0.540	0.943	39.76	0.010	3.05	1.34	45.8	0.011
6/21/2025 12:00	15.5	7.67	284	2.83	183	0.00	4.63	4.15	0.540	0.943	53.88	0.010	7.41	2.03	45.8	0.017
6/21/2025 13:00	16.7	7.72	286	2.81	184	0.00	4.30	4.49	0.540	0.943	74.83	0.010	20.27	4.06	45.8	0.034
6/21/2025 14:00	16.3	7.79	290	2.81	183	0.00	3.68	4.43	0.540	0.943	70.63	0.010	17.99	10.24	45.8	0.085
6/21/2025 15:00	16.2	7.78	290	2.96	184	0.00	3.70	4.40	0.540	0.943	59.12	0.010	10.26	15.22	45.8	0.125
6/21/2025 16:00	16.6	7.70	283	3.22	183	0.00	4.21	4.46	0.540	0.943	46.41	0.010	4.40	16.18	45.8	0.132
6/21/2025 17:00	17.2	7.89	297	3.43	183	0.00	5.05	4.73	0.540	0.943	47.44	0.010	5.11	10.88	45.8	0.089
6/21/2025 18:00	19.1	7.97	301	3.51	183	-0.01	4.80	5.30	0.540	0.943	73.69	0.010	20.46	6.59	45.8	0.054
6/21/2025 19:00	16.9	7.86	295	3.35	183	-0.01	5.07	4.63	0.540	0.943	46.72	0.010	5.75	9.99	45.8	0.082
6/21/2025 20:00	17.3	7.69	280	3.32	184	-0.01	4.82	4.66	0.540	0.943	52.17	0.010	7.50	10.44	45.8	0.085
6/21/2025 21:00	17.1	7.66	279	3.38	183	-0.01	4.37	4.58	0.540	0.943	43.93	0.010	5.72	11.24	45.8	0.092
6/21/2025 22:00	18.3	7.95	286	3.71	183	-0.01	4.82	5.07	0.540	0.943	49.81	0.010	5.84	6.32	45.8	0.052
6/21/2025 23:00	18.4	7.90	284	3.74	183	-0.01	4.42	5.08	0.540	0.943	48.49	0.010	7.20	6.35	45.8	0.052
6/22/2025 0:00	19.1	7.87	286	3.68	183	-0.01	4.02	5.24	0.540	0.943	61.34	0.010	10.52	6.25	45.8	0.051
6/22/2025 1:00	18.7	7.89	287	3.74	183	-0.01	4.63	5.13	0.540	0.943	51.06	0.010	7.35	7.85	45.8	0.064
6/22/2025 2:00	19.5	7.75	279	3.75	183	-0.01	5.41	5.27	0.540	0.943	59.38	0.010	11.79	8.35	45.8	0.068
6/22/2025 3:00	19.2	7.70	277	3.72	183	-0.01	4.99	5.17	0.540	0.943	55.84	0.010	7.86	9.89	45.8	0.081
6/22/2025 4:00	19.2	7.87	290	3.70	183	-0.01	5.07	5.27	0.540	0.943	61.37	0.010	11.80	9.00	45.8	0.073
6/22/2025 5:00	19.5	7.87	291	3.69	183	-0.01	5.40	5.35	0.540	0.943	66.58	0.010	14.26	10.48	45.7	0.086
6/22/2025 6:00	19.2	7.91	293	3.68	184	-0.01	5.54	5.30	0.540	0.943	64.52	0.010	17.37	11.31	45.7	0.093
6/22/2025 7:00	17.1	7.92	293	3.60	183	-0.01	5.61	4.73	0.540	0.943	37.13	0.010	3.04	14.48	45.7	0.122
6/22/2025 8:00	17.5	8.02	296	3.50	187	-0.01	5.60	4.89	0.540	0.943	51.48	0.010	7.66	11.56	45.7	0.099
6/22/2025 9:00	15.7	7.90	288	3.45	186	-0.01	5.98	4.33	0.540	0.943	23.51	0.010	0.76	9.36	45.7	0.081
6/22/2025 10:00	16.8	7.88	294	3.51	183	-0.01	4.52	4.62	0.540	0.943	36.11	0.010	3.16	3.82	45.7	0.032
6/22/2025 11:00	17.5	7.81	293	3.58	184	-0.01	3.37	4.76	0.540	0.943	39.75	0.010	2.98	3.86	45.7	0.032
6/22/2025 12:00	20.2	7.79	301	3.68	184	-0.01	0.71	5.49	0.540	0.943	72.22	0.010	21.15	2.30	45.7	0.019
6/22/2025 13:00	18.4	7.89	309	3.76	184	-0.01	0.79	5.07	0.540	0.943	43.95	0.010	6.76	9.10	45.7	0.075
6/22/2025 14:00	19.0	7.82	301	3.81	184	-0.01	7.32	5.18	0.540	0.943	48.14	0.010	5.16	10.30	45.7	0.085
6/22/2025 15:00	19.6	7.73	293	3.96	183	-0.01	8.09	5.29	0.540	0.943	45.71	0.010	9.27	11.02	45.7	0.092
6/22/2025 16:00	20.1	7.63	287	3.94	185	-0.01	5.91	5.36	0.540	0.943	51.27	0.010	10.95	7.06	45.7	0.060
6/22/2025 17:00	19.6	7.66	281	4.00	196	-0.01	5.73	5.23	0.540	0.943	39.36	0.010	6.13	8.46	45.7	0.071
6/22/2025 18:00	20.4	7.74	276	4.08	200	-0.01	6.46	5.51	0.540	0.943	49.61	0.010	10.76	8.78	45.7	0.075
6/22/2025 19:00	19.1	7.79	273	4.10	202	-0.01	6.12	5.20	0.540	0.943	30.96	0.010	2.83	9.28	45.7	0.079
6/22/2025 20:00	18.6	7.82	272	4.06	202	-0.01	5.85	5.07	0.540	0.943	26.99	0.010	1.57	6.57	45.7	0.057
6/22/2025 21:00	17.9	7.78	268	3.99	202	-0.01	5.72	4.85	0.540	0.943	18.59	0.010	2.13	5.05	45.7	0.044
6/22/2025 22:00	18.0	7.91	263	3.94	202	-0.01	5.48	4.96	0.540	0.943	28.71	0.010	5.92	2.18	45.7	0.019
6/22/2025 23:00	18.1	7.72	263	3.91	202	-0.01	5.27	4.87	0.540	0.943	25.44	0.010	2.15	3.21	45.7	0.027
6/23/2025 0:00	19.7	7.62	258	3.83	202	-0.01	4.27	5.24	0.540	0.943	52.96	0.010	7.40	3.40	45.7	0.029
6/23/2025 1:00	18.4	7.66	259	3.74	202	-0.01	4.28	4.92	0.540	0.943	39.91	0.010	3.95	5.16	45.7	0.043
6/23/2025 2:00	18.5	7.71	264	3.65	202	-0.01	4.67	4.98	0.540	0.943	48.31	0.010	5.89	4.50	45.7	0.038
6/23/2025 3:00	19.1	7.55	255	3.62	202	-0.01	4.17	5.02	0.540	0.943	54.27	0.010	9.04	5.75	45.6	0.048
6/23/2025 4:00	18.8	7.44	248	3.60	202	-0.01	3.84	4.87	0.540	0.943	47.32	0.010	8.19	6.30	45.6	0.053
6/23/2025 5:00	17.2	7.56	254	3.43	202	-0.01	3.89	4.53	0.540	0.943	37.79	0.010	2.85	7.71	45.6	0.065
6/23/2025 6:00	18.1	7.75	267	3.35	202	-0.01	4.09	4.91	0.540	0.943	63.58	0.010	15.66	6.69	45.6	0.056
6/23/2025 7:00	16.8	7.40	246	3.42	202	-0.01	4.59	4.33	0.540	0.943	27.39	0.010	3.06	8.90	45.6	0.075
6/23/2025 8:00	17.4	7.81	269	3.52	202	-0.01	4.89	4.75	0.540	0.943	43.48	0.010	3.72	7.19	45.6	0.060
6/23/2025 9:00	16.7	7.76	267	3.47	202	-0.01	5.74	4.53	0.540	0.943	34.81	0.010	4.54	7.48	45.6	0.063
6/23/2025 10:00	16.9	7.56	256	3.51	202	-0.01	6.20	4.46	0.540	0.943	28.53	0.010	2.08	3.77	45.6	0.032
6/23/2025 11:00	16.8	7.43	248	3.61	201	-0.01	6.40	4.34	0.540	0.943	14.99	0.010	1.00	3.45	45.6	0.029
6/23/2025 12:00	18.6	7.51	253	3.71	201	-0.01	5.99	4.88	0.540	0.943	40.23	0.010	8.24	2.54	45.6	0.021
6/23/2025 13:00	18.7	7.53	255	3.75	202	-0.01	7.67	4.90	0.540	0.943	38.21	0.010	4.38	3.77	45.6	0.032
6/23/2025 14:00	19.9	7.39	249	3.79	202	-0.01	7.91	5.13	0.540	0.943	50.00	0.010	8.24	4.54	45.6	0.039
6/23/2025 15:00	19.4	7.37	250	3.80	202	-0.01	6.30	4.99	0.540	0.943	40.99	0.010	5.09	6.95	45.6	0.060
6/23/2025 16:00	19.8	7.39	251	3.92	202	-0.01	6.33	5.12	0.540	0.943	39.84	0.010	5.34	5.90	45.6	0.051
6/23/2025 17:00	20.2	7.43	251	3.96	202	-0.01	6.16	5.24	0.540	0.943	44.97	0.010	4.04	6.23	45.6	0.053
6/23/2025 18:00	16.0	7.50	252	3.91	201	-0.01	5.75	4.18	0.540	0.943	-14.89	0.010	0.51	4.82	45.6	0.041
6/23/2025 19:00	15.0	7.59	254	3.87	202	-0.01	5.97	3.96	0.540	0.943	-25.15	0.010	0.00	3.30	45.6	0.028
6/23/2025 20:00	14.0	7.61	254	3.81	202	-0.01	5.75	3.72	0.540	0.943	-35.70	0.010	0.00	1.52	45.6	0.013
6/23/2025 21:00	12.7	7.53	246	3.79	202	-0.01	5.27	3.34	0.540	0.943	-57.37	0.010	0.00	0.17	45.6	0.001
6/23/2025 22:00	13.9	7.63	252	3.73	199	-0.01	5.15	3.71	0.540	0.943	-31.27	0.010	0.00	0.00	45.6	0.000
6/23/2025 23:00	13.2	7.70	249	3.77	197	-0.01	4.85	3.55	0.540	0.943	-43.98	0.010	0.00	0.00	45.6	0.000
6/24/2025 0:00	13.3	7.68	249	3.75	197	-0.01	4.83	3.57	0.540	0.943	-40.93	0.010	0.00	0.00	45.5	0.000
6/24/2025 1:00	12.7	7.68	248	3.72	197	-0.01	4.76	3.40	0.540	0.943	-49.47	0.010	0.00	0.00	45.5	0.000
6/24/2025 2:00	12.8	7.73	252	3.64	197	-0.01	4.47	3.44	0.540	0.943	-41.21	0.010	0.00	0.00	45.5	0.000
6/24/2025 3:00	12.8	7.69	250	3.56	197	-0.01	4.80	3.44	0.540	0.943	-35.88	0.010	0.00	0.00	45.5	0.000
6/24/2025 4:00	12.8	7.78	258	3.51	197	-0.01	4.72	3.48	0.540	0.943	-29.50	0.010	0.00	0.00	45.5	0.000
6/24/2025 5:00	13.1	7.77	259	3.49	197	-0.01	3.73	3.54	0.540	0.943	-24.52	0.010	0.00	0.00	45.5	0.000
6/24/2025 6:00	14.3	7.66	254	3.50	197	-0.01	0.16	3.82	0.540	0.943	-9.04	0.010	0.51	0.00	45.5	0.000
6/24/2025 7:00	15.8	7.52	248	3.57	197	-0.01	0.04	4.14	0.540	0.943	5.76	0.010	3.13	0.17	45.5	0.001
6/24/2025 8:00	18.9	7.62	254	3.71	197	-0.01	-0.01	5.02	0.540	0.943	48.22	0.010	6.28	1.21	45.5	0.010
6/24/2025 9:00	18.2	7.65	257	3.72	197	-0.01	-0.01	4.86	0.540	0.943	37.64	0.010	5.71	3.30	45.5	0.027
6/24/2025 10:00	17.5	7.57	252	3.77	197	-0.01	0.00	4.62	0.540	0.943	20.65	0.010	1.75	5.04	45.5	0.041
6/24/2025 11:00	18.9	7.68	257	3.80	197	-0.01	0.01	5.05	0.540	0.943	43.61	0.010	1.43	4.58	45.5	0.037
6/24/2025 12:00	19.6	7.67	256	3.80	197	-0.01	0.01	5.25	0.540	0.943	55.38	0.010	0.00	2.96	45.5	0.024
6/24/2025 13:00	19.6	7.67	256	3.80	197	-0.01	0.01	5.25	0.540	0.943	55.39	0.010	0.00	1.06	45.5	0.009
6/24/2025 14:00	19.0	7.66	258	3.79	197	-0.01	0.01	5.07	0.540	0.943	45.04	0.010	1.43	0.48	45.5	0.004
6/24/2025 15:00	16.3	7.63	260	3.77	197	-0.01	0.01	4.33	0.540	0.943	3.29	0.010	0.58	0.48	45.5	0.004

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/24/2025 16:00	16.4	7.64	259	3.82	197	-0.01	0.02	4.38	0.540	0.943	2.74	0.010	0.37	0.67	45.5	0.005
6/24/2025 17:00	17.5	7.55	250	3.82	197	-0.01	6.49	4.61	0.540	0.943	17.41	0.010	0.74	0.79	45.5	0.006
6/24/2025 18:00	17.3	7.37	239	3.75	197	-0.01	7.57	4.45	0.540	0.943	12.04	0.010	1.00	0.56	45.5	0.004
6/24/2025 19:00	17.1	7.34	234	3.74	197	-0.01	9.71	4.37	0.540	0.943	8.73	0.010	0.88	0.70	45.4	0.006
6/24/2025 20:00	17.2	7.37	233	3.69	197	-0.01	11.16	4.44	0.540	0.943	16.49	0.010	0.79	0.87	45.4	0.007
6/24/2025 21:00	17.6	7.40	235	3.69	197	-0.01	11.13	4.56	0.540	0.943	23.70	0.010	1.69	0.89	45.4	0.007
6/24/2025 22:00	19.0	7.51	240	3.66	197	-0.01	11.12	4.98	0.540	0.943	51.56	0.010	8.53	1.12	45.4	0.009
6/24/2025 23:00	18.8	7.57	236	3.60	197	-0.01	11.12	4.96	0.540	0.943	54.97	0.010	9.47	3.67	45.4	0.029
6/25/2025 0:00	20.3	8.07	249	4.09	206	-0.01	11.12	5.72	0.540	0.943	65.31	0.010	17.24	6.56	45.4	0.052
6/25/2025 1:00	21.2	7.64	230	4.27	206	-0.01	11.12	5.64	0.540	0.943	50.07	0.010	10.81	11.75	45.4	0.092
6/25/2025 2:00	22.3	7.53	221	4.36	206	-0.01	11.13	5.85	0.540	0.943	57.74	0.010	13.36	12.51	45.4	0.098
6/25/2025 3:00	24.2	7.43	210	4.60	206	-0.01	11.12	6.28	0.540	0.943	70.29	0.010	19.24	13.80	45.4	0.109
6/25/2025 4:00	25.3	7.39	218	4.67	196	-0.01	10.07	6.54	0.540	0.943	81.74	0.010	28.90	14.47	45.4	0.115
6/25/2025 5:00	26.6	7.44	227	4.70	192	-0.01	9.34	6.92	0.540	0.943	103.58	0.010	45.96	20.50	45.4	0.163
6/25/2025 6:00	26.7	7.41	223	4.73	193	-0.01	9.35	6.90	0.540	0.943	101.13	0.010	43.07	31.36	45.4	0.250
6/25/2025 7:00	24.4	7.49	228	4.65	192	-0.01	5.12	6.38	0.540	0.943	71.25	0.010	26.14	39.31	45.4	0.313
6/25/2025 8:00	23.8	7.54	229	4.79	193	-0.01	0.11	6.27	0.540	0.943	53.19	0.010	9.16	38.39	45.4	0.305
6/25/2025 9:00	24.9	7.54	231	4.85	193	-0.01	0.00	6.54	0.540	0.943	65.39	0.010	12.56	26.12	45.4	0.206
6/25/2025 10:00	25.4	7.50	233	4.97	193	-0.01	-0.04	6.65	0.540	0.943	63.98	0.010	11.02	15.95	45.4	0.126
6/25/2025 11:00	25.6	7.54	234	4.93	192	-0.01	-0.04	6.74	0.540	0.943	71.89	0.010	16.29	10.91	45.4	0.086
6/25/2025 12:00	25.7	7.54	234	4.87	193	-0.01	-0.03	6.76	0.540	0.943	77.49	0.010	21.41	13.29	45.4	0.105
6/25/2025 13:00	23.2	7.49	233	4.81	193	-0.01	-0.02	6.05	0.540	0.943	37.52	0.010	2.22	16.24	45.4	0.129
6/25/2025 14:00	23.1	7.48	241	4.83	193	-0.01	-0.03	6.03	0.540	0.943	34.16	0.010	1.68	13.31	45.4	0.105
6/25/2025 15:00	24.0	7.62	249	4.90	193	-0.01	-0.02	6.37	0.540	0.943	48.87	0.010	6.25	8.44	45.4	0.068
6/25/2025 16:00	24.5	7.59	245	4.92	192	-0.01	-0.01	6.49	0.540	0.943	55.46	0.010	7.95	3.38	45.4	0.028
6/25/2025 17:00	23.8	7.53	242	4.95	193	-0.01	-0.01	6.26	0.540	0.943	39.91	0.010	3.78	5.29	45.4	0.044
6/25/2025 18:00	24.2	7.59	242	4.96	192	-0.01	-0.01	6.42	0.540	0.943	48.27	0.010	9.08	5.99	45.4	0.050
6/25/2025 19:00	23.8	7.57	240	4.76	192	-0.01	-0.02	6.29	0.540	0.943	55.76	0.010	8.85	6.94	45.4	0.057
6/25/2025 20:00	24.5	7.56	238	4.78	193	-0.01	-0.02	6.45	0.540	0.943	64.11	0.010	11.13	7.24	45.4	0.059
6/25/2025 21:00	23.4	7.51	235	4.69	193	-0.01	-0.03	6.13	0.540	0.943	50.46	0.010	5.98	9.69	45.4	0.079
6/25/2025 22:00	23.7	7.88	252	4.68	193	-0.01	-0.03	6.52	0.540	0.943	72.01	0.010	17.97	8.65	45.3	0.070
6/25/2025 23:00	23.3	8.02	252	4.75	193	-0.01	-0.03	6.52	0.540	0.943	68.02	0.010	13.56	11.69	45.3	0.093
6/26/2025 0:00	23.5	7.67	240	4.80	193	-0.01	-0.03	6.28	0.540	0.943	51.43	0.010	7.88	12.50	45.3	0.098
6/26/2025 1:00	25.0	7.43	227	4.77	193	-0.01	-0.03	6.48	0.540	0.943	68.01	0.010	15.35	13.14	45.3	0.102
6/26/2025 2:00	25.9	7.45	227	4.56	192	-0.01	-0.03	6.72	0.540	0.943	98.49	0.010	38.32	12.26	45.3	0.095
6/26/2025 3:00	24.5	7.57	237	4.33	193	0.00	-0.05	6.46	0.540	0.943	96.27	0.010	33.31	20.52	45.3	0.162
6/26/2025 4:00	24.3	7.66	241	4.27	193	0.00	-0.05	6.51	0.540	0.943	102.21	0.010	39.35	28.99	45.3	0.233
6/26/2025 5:00	25.4	7.89	252	4.21	192	0.00	-0.05	6.99	0.540	0.943	133.28	0.010	69.41	37.00	45.3	0.299
6/26/2025 6:00	25.8	7.82	251	4.22	193	0.00	-0.05	7.04	0.540	0.943	135.75	0.010	71.88	47.36	45.3	0.380
6/26/2025 7:00	22.9	7.59	242	4.31	192	0.00	-0.05	6.06	0.540	0.943	71.69	0.010	28.05	60.22	45.3	0.479
6/26/2025 8:00	20.3	7.69	249	4.30	193	0.00	-0.05	5.45	0.540	0.943	34.17	0.010	1.76	56.45	45.3	0.448
6/26/2025 9:00	18.8	7.63	245	4.22	193	0.00	-0.05	5.01	0.540	0.943	13.65	0.010	0.51	33.90	45.3	0.271
6/26/2025 10:00	18.4	7.52	239	4.14	193	0.00	-0.05	4.82	0.540	0.943	7.64	0.010	1.36	10.11	45.3	0.081
6/26/2025 11:00	19.6	7.48	237	4.11	192	0.00	-0.03	5.10	0.540	0.943	27.61	0.010	0.18	1.21	45.3	0.010
6/26/2025 12:00	19.2	7.68	244	4.17	192	0.00	-0.03	5.13	0.540	0.943	24.88	0.010	0.00	0.68	45.3	0.006
6/26/2025 13:00	19.1	7.54	235	4.15	193	0.00	-0.04	5.01	0.540	0.943	18.88	0.010	0.00	0.51	45.3	0.004
6/26/2025 14:00	20.4	7.95	257	4.20	192	0.00	-0.05	5.67	0.540	0.943	52.71	0.010	14.23	0.06	45.3	0.000
6/26/2025 15:00	17.8	8.27	270	4.21	193	0.00	-0.05	5.14	0.540	0.943	21.31	0.010	0.85	4.74	45.3	0.038
6/26/2025 16:00	17.8	7.96	248	4.21	192	0.00	-0.05	4.96	0.540	0.943	11.37	0.010	1.48	5.03	45.3	0.040
6/26/2025 17:00	17.8	7.93	248	4.20	192	0.00	3.87	4.92	0.540	0.943	9.10	0.010	2.04	5.52	45.3	0.044
6/26/2025 18:00	22.1	8.03	251	4.20	193	0.00	0.03	6.20	0.540	0.943	85.81	0.010	29.04	1.46	45.3	0.012
6/26/2025 19:00	22.0	7.99	252	4.18	193	0.00	-0.05	6.13	0.540	0.943	83.51	0.010	24.21	10.85	45.3	0.087
6/26/2025 20:00	21.2	7.69	235	4.13	193	0.00	-0.05	5.70	0.540	0.943	63.43	0.010	9.88	18.43	45.3	0.147
6/26/2025 21:00	21.9	7.70	236	4.17	193	0.00	-0.05	5.88	0.540	0.943	71.61	0.010	15.05	21.04	45.3	0.167
6/26/2025 22:00	22.2	7.74	238	4.18	193	0.00	-0.05	5.98	0.540	0.943	77.49	0.010	20.80	16.38	45.3	0.130
6/26/2025 23:00	21.4	7.85	242	4.08	193	0.00	-0.05	5.88	0.540	0.943	76.50	0.010	22.66	15.25	45.3	0.121
6/27/2025 0:00	24.1	7.79	239	4.16	193	0.00	-0.05	6.56	0.540	0.943	113.74	0.010	50.80	19.51	45.3	0.155
6/27/2025 1:00	24.4	7.87	245	4.17	193	0.00	-0.05	6.69	0.540	0.943	119.38	0.010	55.53	31.42	45.3	0.250
6/27/2025 2:00	25.7	7.81	242	4.18	193	0.00	-0.05	7.02	0.540	0.943	139.79	0.010	75.97	43.00	45.3	0.343
6/27/2025 3:00	25.2	7.73	237	4.14	193	0.00	-0.05	6.81	0.540	0.943	131.40	0.010	67.53	60.77	45.3	0.486
6/27/2025 4:00	25.5	8.09	259	4.09	192	0.00	-0.05	7.20	0.540	0.943	150.91	0.010	87.05	66.34	45.3	0.530
6/27/2025 5:00	25.0	7.76	240	4.05	192	0.00	-0.05	6.76	0.540	0.943	133.65	0.010	69.79	76.85	45.3	0.612
6/27/2025 6:00	26.8	7.70	238	3.96	193	0.00	-0.05	7.19	0.540	0.943	166.97	0.010	103.11	74.79	45.3	0.595
6/27/2025 7:00	23.7	7.59	239	3.93	192	0.00	1.56	6.27	0.540	0.943	112.80	0.010	52.04	86.65	45.3	0.691
6/27/2025 8:00	22.3	7.62	240	3.90	193	0.00	4.05	5.92	0.540	0.943	93.36	0.010	31.79	74.98	45.3	0.599
6/27/2025 9:00	22.3	7.61	238	3.89	193	0.00	4.75	5.94	0.540	0.943	95.81	0.010	33.05	62.31	45.3	0.500
6/27/2025 10:00	21.5	7.85	250	3.93	193	0.00	4.91	5.88	0.540	0.943	86.39	0.010	29.08	38.96	45.3	0.312
6/27/2025 11:00	20.8	8.00	262	3.91	192	0.00	4.96	5.82	0.540	0.943	80.35	0.010	25.77	31.31	45.3	0.251
6/27/2025 12:00	23.0	7.80	248	3.94	193	0.00	5.05	6.27	0.540	0.943	109.58	0.010	47.46	29.30	45.3	0.234
6/27/2025 13:00	23.0	8.25	276	3.97	193	0.00	5.07	6.63	0.540	0.943	122.46	0.010	59.24	34.10	45.3	0.271
6/27/2025 14:00	23.4	7.81	248	3.99	193	0.00	4.98	6.37	0.540	0.943	113.37	0.010	49.84	44.15	45.3	0.351
6/27/2025 15:00	22.1	7.57	236	3.95	193	0.00	4.93	5.85	0.540	0.943	86.44	0.010	27.94	52.18	45.3	0.413
6/27/2025 16:00	22.2	7.62	238	3.95	193	0.00	4.96	5.91	0.540	0.943	89.78	0.010	30.54	45.67	45.3	0.363
6/27/2025 17:00	21.4	7.57	237	3.92	193	0.00	4.97	5.65	0.540	0.943	75.72	0.010	20.07	36.11	45.3	0.289
6/27/2025 18:00	22.5	7.56	238	3.94	193	0.00	4.96	5.92	0.540	0.943	91.36	0.010	35.05	26.19	45.3	0.211
6/27/2025 19:00	20.8	7.60	243	3.97	193	0.00	4.98	5.53	0.540	0.943	63.51	0.010	11.10	28.56	45.3	0.230
6/27/2025 20:00	21.7	7.59	251	3.97	193	0.00	4.94	5.75	0.540	0.943	76.29	0.010	18.79	22.07	45.3	0.178
6/27/2025 21:00	21.3	7.69	268	3.94	193	0.00	4.46	5.72	0.540	0.943	73.18	0.010	17.39	21.65	45.3	0.176
6/27/2025 22:00	21.0	7.62	267	3.93	193	0.00	3.30	5.59	0.540	0.943	66.46	0.010	11.50	15.76	45.3	0.130
6/27/2025 23:00	17.8	8.03	290	3.90	193	0.00	3.59	5.00	0.540	0.943	31.82	0.010	2.65	15.90	45.3	0.132
6/28/2025 0:00	19.8	7.94	284	3.76	193	0.00	4.12	5.47	0.540	0.943	68.19	0.010	19.27	10.51	45.3	0.088
6/28/2025 1:00	18.0	7.99	291	3.76	193	0.00	3.90	5.02	0.540	0.943	42.42	0.010	4.23	11.14	45.3	0.093
6/28/2025 2:00	18.4	7.82	280	3.79	193	0.00	4.14	5.03	0.540	0.943	41.79	0.010	2.07	8.72	45.3	0.073
6/28/2025 3:00	19.3	7.76	279	3.88	193	0.00	3.96	5.22	0.540	0.943	46.37	0.010	5.42	8.52	45.2	0.071
6/28/2025 4:00	19.2	7.72	275	3.99	193	0.00	4.20	5.16	0.540	0.943	37.22	0.010	2.76	3.91	45.2	0.033
6/28/2025 5:00	19.2	7.81	280	4.15	193	0.00	4.67	5.25	0.540	0.943	31.10	0.010	1.13	3.42	45.2	0.029
6/28/2025 6:00	20.6	7.72	264	4.14	193	-0.01	4.35	5.54	0.540	0.943	49.65	0.010	12.18	3.10	45.2	0.026
6/28/2025 7:00	19.7	7.88	271	4.11	193	0.00	4.85	5.42	0.540	0.943	44.19	0.010	1.67	5.36	45.2	0.045
6/28/2025 8:00	18.7	8.06	283	4.23	193	-0.01	5.70	5.25	0.540	0.943	25.58	0.010	1.19	5.00	45.2	0.042
6/28/2025 9:00	18.8	8.07	285	4.30	193	-0.01	6.16	5.30	0.540	0.943	24.30	0.010	0.59	5.01	45.2	0.041
6/28/2025 10:00	18.6	8.09	287	4.30	193	-0.01	6.25	5.25	0.540	0.943	20.83	0.010	1.35	1.15	45.2	0.009
6/28/2025 11:00	18.0	8.11	292	4.28	193	-0.01	5.47	5.08	0.540	0.943	12.98	0.010	0.46	1.04	45.2	0.008
6/28/2025 12:00	19.2	8.06	288	4.25	193	-0.01	6.17	5.40	0.540	0.943	32.65	0.010	4.27	0.80	45.2	0.006
6/28/2025 13:00	18.7	8.14	293	4.22	193	-0.01	6.69	5.32	0.540	0.943	29.73	0.010	2.09	2.03	45.2	0.016
6/28/2025 14:00	18.9	8.11	291	4.19	193	-0.01	5.74	5.33	0.540	0.943	32.75	0.010	1.20	2.27	45.2	0.018
6/28/2025 15:00	18.9	8.14	296	4.13	193	-0.01	5.65	5.38	0.540	0.943	38.59	0.010	4.51	2.52	45.2	0.020
6/28/2025 16:00	19.2	8.11	293	4.09	193	-0.01	4.86	5.45	0.540	0.943	44.87	0.010	3.09	2.60	45.2	0.021
6/28/2025 17:00	18.5	8.09	292	4.08	193	-0.01	5.26	5.23	0.540	0.943	33.70	0.010	2.19	2.93	45.2	0.024
6/28/2025 18:00	21.9	8.02	287	4.15	193	-0.01	5.46	6.14	0.540	0.943	80.58	0.010	21.09	3.26	45.2	0.027
6/28/2025 19:00	20.7	7.96	281	4.17	193	-0.01	5.07	5.74	0.540	0.943	57.59	0.010	6.81	8.79	45.2	0.071
6/28/2025 20:00	21.1	7.94	278	4.16	193	-0.01	4.74	5.86	0.540	0.943	65.20	0.010	11.12	10.03	45.2	0.081
6/28/2025 21:00	20.8	8.04	283	4.07	193	-0.01	4.83	5.85	0.540	0.943	69.87	0.010	14.81	13.00	45.2	0.106
6/28/2025 22:00	20.1	8.16	292	4.04	193	0.00	4.87	5.72	0.540	0.943	63.14	0.010	10.54	10.91	45.2	0.089
6/28/2025 23:00	19.9	8.10	293	4.02	193	0.00	4.75	5.62	0.540	0.943	59.37	0.010	9.82	12.16	45.2	0.099
6/29/2025 0:00	20.1	8.15	299	3.93	193	0.00	4.55	5.73	0.540	0.943	69.61	0.010	16.45	11.72	45.2	0.096
6/29/2025 1:00	19.6	8.09	292	3.88	193	0.00	4.15	5.52	0.540	0.943	62.93	0.010	8.80	12.27	45.1	0.101
6/29/2025 2:00	18.9	8.26	306	3.81	193	0.00	4.24	5.44	0.540	0.943	60.61	0.010	7.71	11.69	45.1	0.096
6/29/2025 3:00	18.1	8.15	297	3.76	193	0.00	4.28	5.16	0.540	0.943	49.48	0.010	4.43	10.99	45.1	0.090
6/29/2025 4:00	18.4	8.05	288	3.77	193	0.00	3.61	5.17	0.540	0.943	50.29	0.010	7.39	6.98	45.1	0.057
6/29/2025 5:00	18.6	7.98	282	3.80	193	0.00	3.53	5.19	0.540	0.943	50.14	0.010	5.63	6.51	45.1	0.053
6/29/2025 6:00	20.4	7.99	282	3.81	193	0.00	3.53	5.69	0.540	0.943	76.96	0.010	20.22	5.82	45.1	0.048
6/29/2025 7:00	18.0	7.85	275	3.77	193	0.00	4.27	4.92	0.540	0.943	37.13	0.010	0.92	11.08	45.1	0.091
6/29/2025 8:00	16.4	7.64	262	3.84	193	0.00	5.08	4.37	0.540	0.943	0.76	0.010	0.54	8.92	45.1	0.073
6/29/2025 9:00	17.6	7.46	248	4.08	192	0.00	5.50	4.59	0.540	0.943	-1.88	0.010	0.00	7.23	45.1	0.060
6/29/2025 10:00	16.9	7.60	257	4.16	193	0.00	5.78	4.49	0.540	0.943	-13.77	0.010	0.56	0.49	45.1	0.004
6/29/2025 11:00	17.7	7.67	261	4.30	193	0.00	5.67	4.74	0.540	0.943	-8.44	0.010	0.00	0.37	45.1	0.003
6/29/2025 12:00	19.2	7.76	269	4.35	193	0.00	5.59	5.21	0.540	0.943	16.19	0.010	0.09	0.19	45.1	0.002
6/29/2025 13:00	18.4	7.85	273	4.39	193	-0.01	6.59	5.04	0.540	0.943	3.88	0.010	0.06	0.22	45.1	0.002
6/29/2025 14:00	17.6	7.91	279	4.38	193	-0.01	6.12	4.86	0.540	0.943	-6.18	0.010	0.01	0.05	45.1	0.000
6/29/2025 15:00	18.4	7.90	279	4.36	193	-0.01	5.05	5.08	0.540	0.943	8.50	0.010	0.08	0.05	45.1	0.000
6/29/2025 16:00	17.9	8.01	289	4.30	193	-0.01	5.09	5.00	0.540	0.943	6.69	0.010	0.00	0.05	45.1	0.000
6/29/2025 17:00	17.5	7.92	282	4.26	193	-0.01	5.83	4.83	0.540	0.943	-0.16	0.010	0.45	0.03	45.1	0.000
6/29/2025 18:00	18.0	7.89	280	4.29	193	-0.01	5.68	4.95	0.540	0.943	5.04	0.010	0.00	0.18	45.1	0.001
6/29/2025 19:00	17.4	7.86	276	4.28	193	-0.01	5.71	4.76	0.540	0.943	-5.42	0.010	0.00	0.15	45.1	0.001
6/29/2025 20:00	16.0	7.87	276	4.29	193	0.00	5.53	4.40	0.540	0.943	-26.75	0.010	0.00	0.15	45.1	0.001
6/29/2025 21:00	14.6	7.99	282	3.99	193	0.00	4.88	4.08	0.540	0.943	-25.08	0.010	0.00	0.00	45.0	0.000
6/29/2025 22:00	15.3	8.13	284	3.93	193	0.00	4.64	4.35	0.540	0.943	-6.38	0.010	0.05	0.00	45.0	0.000

Fuel Gas H2S Estimation

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

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

Date and Time	North Stack SO2	North Stack Flow	Boiler 9 Fuel Gas	Boiler 9 Fuel Oil	Boiler 13 Fuel Gas	Boiler 13 Fuel Oil	LPG Vapourization Rate	Total Boilers Sulphur Emission	LRF Sulphur Content	LRF Density	Raw Estimated Fuel Gas H2S Concentration	Lab Result Fuel Gas H2S Concentration	Corrected Estimated Fuel Gas H2S Concentration	3hr Rolling Average H2S Concentration	365 Day Rolling Average H2S Concentration	Heater SO2 Emissions
	ppmv	MMSCFH	MSCFH	GPM	MSCFH	GPM	MSCFH	kg/hr	%	kg/L	ppmv	ppmv	ppmv	ppmv	ppmv	kg/hr
6/29/2025 23:00	15.2	8.02	283	3.84	193	0.00	4.54	4.25	0.540	0.943	-6.05	0.010	0.00	0.02	45.0	0.000
6/30/2025 0:00	16.1	8.05	287	3.82	193	0.00	4.47	4.52	0.540	0.943	10.26	0.010	0.20	0.02	45.0	0.000
6/30/2025 1:00	15.6	7.97	282	3.82	193	0.00	4.49	4.35	0.540	0.943	0.63	0.010	0.00	0.08	45.0	0.001
6/30/2025 2:00	16.7	7.94	280	3.84	193	0.00	4.08	4.61	0.540	0.943	14.36	0.010	1.35	0.07	45.0	0.001
6/30/2025 3:00	17.9	7.72	268	3.88	193	0.00	4.26	4.82	0.540	0.943	24.68	0.010	2.08	0.52	45.0	0.004
6/30/2025 4:00	17.8	7.67	264	3.87	193	0.00	4.22	4.78	0.540	0.943	23.29	0.010	0.89	1.14	45.0	0.009
6/30/2025 5:00	18.4	7.65	263	3.85	193	0.00	4.00	4.90	0.540	0.943	32.03	0.010	2.56	1.44	45.0	0.012
6/30/2025 6:00	21.4	7.72	268	3.82	193	0.00	4.22	5.77	0.540	0.943	83.96	0.010	25.28	1.84	45.0	0.016
6/30/2025 7:00	19.7	7.74	268	3.79	193	0.00	4.60	5.33	0.540	0.943	59.95	0.010	5.16	9.58	45.0	0.081
6/30/2025 8:00	18.7	7.72	266	3.74	193	0.00	5.20	5.04	0.540	0.943	46.77	0.010	5.36	11.00	45.0	0.092
6/30/2025 9:00	18.6	7.93	280	3.76	193	0.00	5.84	5.16	0.540	0.943	51.36	0.010	6.72	11.94	45.0	0.100
6/30/2025 10:00	19.7	7.92	280	3.87	193	0.00	5.85	5.43	0.540	0.943	59.61	0.010	8.85	5.75	45.0	0.048
6/30/2025 11:00	19.1	8.00	287	4.03	193	0.00	5.75	5.34	0.540	0.943	44.07	0.010	5.10	6.98	45.0	0.059
6/30/2025 12:00	21.3	7.97	282	4.22	193	0.00	5.60	5.91	0.540	0.943	64.06	0.010	26.53	6.89	45.0	0.058
6/30/2025 13:00	20.3	7.92	276	4.24	193	0.00	5.11	5.62	0.540	0.943	46.54	0.010	6.37	13.49	45.0	0.113
6/30/2025 14:00	21.5	7.98	280	4.38	193	0.00	4.99	5.99	0.540	0.943	58.61	0.010	8.19	12.67	45.0	0.106
6/30/2025 15:00	19.8	8.02	283	4.21	193	0.00	5.20	5.54	0.540	0.943	43.41	0.010	3.74	13.70	45.0	0.115
6/30/2025 16:00	20.1	8.03	284	4.01	193	0.00	5.30	5.63	0.540	0.943	61.23	0.010	7.83	6.10	45.0	0.051
6/30/2025 17:00	19.9	8.07	287	3.97	193	0.00	4.61	5.61	0.540	0.943	62.33	0.010	10.71	6.59	45.0	0.055
6/30/2025 18:00	21.8	8.17	293	3.93	192	0.00	4.03	6.22	0.540	0.943	98.15	0.010	36.04	7.43	45.0	0.062
6/30/2025 19:00	22.0	8.10	285	4.14	192	0.00	4.41	6.23	0.540	0.943	86.65	0.010	26.45	18.19	45.0	0.152
6/30/2025 20:00	21.0	8.19	291	4.04	193	0.00	5.04	5.99	0.540	0.943	78.34	0.010	18.59	24.40	45.0	0.203
6/30/2025 21:00	20.5	8.17	290	4.03	193	0.00	4.73	5.84	0.540	0.943	70.65	0.010	13.91	27.03	45.0	0.223
6/30/2025 22:00	21.3	8.24	292	3.98	192	0.00	4.46	6.13	0.540	0.943	89.96	0.010	29.65	19.65	44.9	0.162
6/30/2025 23:00	20.9	8.38	299	3.89	192	0.00	4.69	6.11	0.540	0.943	93.15	0.010	30.69	20.72	44.9	0.171
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

Fuel Gas Lab Results

Date and Time	Hydrogen Sulphide ppmv
3/24/2025 23:00	0.01
4/3/2025 0:00	0.10
4/5/2025	0.37
4/8/2025 0:00	1.10
4/12/2025 0:00	170.00
4/15/2025 0:00	0.07
4/19/2025 0:00	1.54
4/22/2025 0:00	0.64
4/24/2025 0:00	0.12
4/26/2025 0:00	0.01
4/29/2025 0:00	0.10
5/1/2025 0:00	1.74
5/2/2025 23:00	0.01
5/7/2025 23:00	0.01
5/12/2025 23:00	1.12
5/14/2025 23:00	0.02
5/16/2025 23:00	0.05
5/23/2025 23:00	0.01
5/26/2025 23:00	0.22
6/2/2025 23:00	0.01
6/9/2025 23:00	1.40
6/11/2025 9:00	0.01
6/18/2025 9:00	0.01
6/25/2025 9:00	0.01
7/2/2025 9:00	0.44
7/9/2025 9:00	1.90
7/14/2025 9:00	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

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / **Calculated Data**

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %
4/1/2025 0:00	-0.04	1.21	100.0	43.92	2.87	33.55	745	772	708	-5.00	1143	1064	-5	36.2	0.105	0.71	0.22	0.00	56.94	0.00	0.77
4/1/2025 0:15	-0.04	1.22	100.0	41.29	3.51	32.90	726	775	692	-5.00	1224	1036	-5	36.3	0.105	0.72	0.22	0.00	56.94	0.00	0.77
4/1/2025 0:30	-0.04	1.22	100.0	22.11	2.20	32.65	729	778	702	-5.00	1170	1062	-5	36.4	0.105	0.72	0.22	0.00	56.94	0.00	0.77
4/1/2025 0:45	-0.04	1.22	100.0	23.71	1.97	33.15	740	764	699	-5.00	1139	1041	-5	36.5	0.106	0.72	0.22	0.00	56.93	0.00	0.77
4/1/2025 1:00	-0.04	1.22	100.0	28.33	2.31	33.93	745	721	699	-5.00	1079	1015	-5	36.6	0.106	0.72	0.22	0.00	56.93	0.00	0.77
4/1/2025 1:15	-0.04	1.22	100.0	23.80	2.54	33.10	761	715	710	-5.00	1091	1046	-5	36.8	0.107	0.73	0.22	0.00	56.93	0.00	0.77
4/1/2025 1:30	-0.04	1.23	100.0	33.66	2.12	33.22	766	699	716	-5.00	1085	1052	-5	37.0	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 1:45	-0.04	1.23	100.0	36.51	2.83	33.53	769	692	720	-5.00	1099	1062	-5	37.0	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 2:00	-0.04	1.23	100.0	24.27	1.87	33.06	774	699	726	-5.00	1083	1070	-5	37.6	0.110	0.75	0.22	0.00	56.92	0.00	0.77
4/1/2025 2:15	-0.04	1.23	100.0	27.84	2.18	32.96	770	697	719	-5.00	1096	1062	-5	37.2	0.109	0.74	0.22	0.00	56.92	0.00	0.77
4/1/2025 2:30	-0.04	1.23	100.0	25.68	1.70	33.75	765	696	719	-5.00	1100	1052	-5	37.2	0.109	0.74	0.22	0.00	56.92	0.00	0.77
4/1/2025 2:45	-0.04	1.23	100.0	24.19	2.39	33.32	763	700	716	-5.00	1080	1050	-5	37.1	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 3:00	-0.04	1.23	100.0	22.89	1.84	33.02	764	712	708	-5.00	1079	1064	-5	37.0	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 3:15	-0.04	1.24	100.0	23.31	2.63	33.57	751	755	701	-5.00	1104	1085	-5	37.0	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 3:30	-0.04	1.24	100.0	48.39	2.63	33.44	730	779	694	-5.00	1195	1082	-5	36.7	0.107	0.73	0.22	0.00	56.93	0.00	0.77
4/1/2025 3:45	-0.04	1.24	100.0	32.25	3.04	32.57	715	782	698	-5.00	1272	1061	-5	36.0	0.104	0.71	0.22	0.00	56.94	0.00	0.77
4/1/2025 4:00	-0.04	1.24	100.0	19.52	1.87	33.47	724	782	703	-5.00	1229	1071	-5	35.8	0.103	0.70	0.22	0.00	56.95	0.00	0.77
4/1/2025 4:15	-0.04	1.24	100.0	15.95	2.58	33.47	724	777	696	-5.00	1234	1065	-5	35.6	0.102	0.70	0.22	0.00	56.95	0.00	0.77
4/1/2025 4:30	-0.04	1.25	100.0	21.39	2.07	33.44	731	781	700	-5.00	1172	1081	-5	35.5	0.102	0.69	0.22	0.00	56.95	0.00	0.77
4/1/2025 4:45	-0.04	1.24	100.0	21.11	2.84	33.10	723	783	697	-5.00	1202	1076	-5	35.4	0.101	0.69	0.22	0.00	56.95	0.00	0.77
4/1/2025 5:00	-0.04	1.24	100.0	26.34	1.96	33.38	730	781	700	-5.00	1168	1092	-5	35.4	0.101	0.69	0.22	0.00	56.95	0.00	0.77
4/1/2025 5:15	-0.04	1.25	100.0	27.03	1.90	33.37	731	782	699	-5.00	1181	1085	-5	35.3	0.101	0.69	0.22	0.00	56.95	0.00	0.77
4/1/2025 5:30	-0.04	1.25	100.0	17.16	2.12	33.55	732	779	703	-5.00	1191	1090	-5	35.1	0.100	0.68	0.22	0.00	56.96	0.00	0.77
4/1/2025 5:45	-0.04	1.25	100.0	30.96	2.44	33.78	719	781	699	-5.00	1208	1080	-5	34.5	0.098	0.67	0.22	0.00	56.97	0.00	0.77
4/1/2025 6:00	-0.04	1.25	100.0	33.96	2.47	33.93	723	782	704	-5.00	1191	1078	-5	33.8	0.095	0.65	0.22	0.00	56.98	0.00	0.77
4/1/2025 6:15	-0.04	1.25	100.0	38.17	2.49	33.43	734	781	707	-5.00	1172	1095	-5	33.5	0.094	0.64	0.22	0.00	56.98	0.00	0.77
4/1/2025 6:30	-0.04	1.25	100.0	27.69	2.33	33.18	735	779	710	-5.00	1133	1108	-5	33.2	0.093	0.63	0.22	0.00	56.99	0.00	0.77
4/1/2025 6:45	-0.04	1.25	100.0	16.30	2.24	33.63	734	778	712	-5.00	1121	1105	-5	33.0	0.092	0.63	0.22	0.00	56.99	0.00	0.77
4/1/2025 7:00	-0.04	1.25	100.0	32.92	2.23	33.47	735	780	712	-5.00	1105	1109	-5	33.0	0.092	0.63	0.22	0.00	56.99	0.00	0.77
4/1/2025 7:15	-0.04	1.26	100.0	36.37	2.39	34.15	732	779	694	-5.00	1151	1103	-5	34.9	0.099	0.68	0.22	0.00	56.96	0.00	0.77
4/1/2025 7:30	-0.04	1.26	100.0	41.79	2.15	33.40	727	781	691	-5.00	1177	1090	-5	36.3	0.105	0.72	0.22	0.00	56.94	0.00	0.77
4/1/2025 7:45	-0.04	1.26	100.0	28.20	2.05	32.55	721	782	676	-5.00	1180	1093	-5	37.0	0.108	0.74	0.22	0.00	56.93	0.00	0.77
4/1/2025 8:00	-0.04	1.26	100.0	22.82	2.98	31.68	718	786	673	-5.00	1125	1102	-5	38.7	0.115	0.79	0.22	0.00	56.90	0.00	0.77
4/1/2025 8:15	-0.04	1.27	100.0	34.15	2.50	31.01	721	791	681	-5.00	1218	1093	-5	38.5	0.114	0.78	0.22	0.00	56.90	0.00	0.77
4/1/2025 8:30	-0.04	1.27	100.0	34.52	3.11	31.73	716	795	673	-5.00	1174	1072	-5	40.3	0.123	0.84	0.22	0.00	56.87	0.00	0.77
4/1/2025 8:45	-0.04	1.27	100.0	42.17	3.08	32.13	721	789	670	-5.00	1178	1074	-5	40.6	0.124	0.85	0.22	0.00	56.86	0.00	0.77
4/1/2025 9:00	-0.04	1.27	100.0	35.82	2.55	31.32	722	786	677	-5.00	1190	1064	-5	41.7	0.130	0.89	0.22	0.00	56.84	0.00	0.77

Flare Gas Composition / **Property Calculations** / **ZTOF**

	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
													LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
4/1/2025 0:00	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171523	4193	88326	747	0.08	7.01
4/1/2025 0:15	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171521	4193	88326	747	0.08	7.01
4/1/2025 0:30	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171517	4193	88326	747	0.08	7.01
4/1/2025 0:45	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171512	4193	88326	747	0.08	7.01
4/1/2025 1:00	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171508	4193	88326	747	0.08	7.01
4/1/2025 1:15	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171499	4193	88326	747	0.08	7.01
4/1/2025 1:30	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171490	4193	88326	747	0.08	7.01
4/1/2025 1:45	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171491	4193	88326	747	0.08	7.01
4/1/2025 2:00	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.03	47.51	337.3	400	1	4529	171467	4193	88326	747	0.08	7.00
4/1/2025 2:15	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171485	4193	88326	747	0.08	7.01
4/1/2025 2:30	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171483	4193	88326	747	0.08	7.00
4/1/2025 2:45	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171488	4193	88326	747	0.08	7.01
4/1/2025 3:00	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171491	4193	88326	747	0.08	7.01
4/1/2025 3:15	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171493	4193	88326	747	0.08	7.01
4/1/2025 3:30	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171503	4193	88326	747	0.08	7.01
4/1/2025 3:45	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171531	4193	88326	747	0.08	7.01
4/1/2025 4:00	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171540	4193	88326	747	0.08	7.01
4/1/2025 4:15	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171547	4193	88326	747	0.08	7.01
4/1/2025 4:30	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171550	4193	88326	747	0.08	7.01
4/1/2025 4:45	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171554	4193	88326	747	0.08	7.01
4/1/2025 5:00	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171556	4193	88326	747	0.08	7.01
4/1/2025 5:15	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171559	4193	88326	747	0.08	7.01
4/1/2025 5:30	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171566	4193	88326	747	0.08	7.01
4/1/2025 5:45	0.00	0.85	35.55	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171591	4193	88326	748	0.08	7.01
4/1/2025 6:00	0.00	0.85	35.55	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171615	4193	88326	748	0.08	7.02
4/1/2025 6:15	0.00	0.85	35.56	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171627	4193	88326	748	0.08	7.02
4/1/2025 6:30	0.00	0.85	35.56	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171637	4193	88326	748	0.08	7.02
4/1/2025 6:45	0.00	0.85	35.56	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1131	10.02	47.51	337.3	400	1	4529	171644	4193	88326	748	0.08	7.02
4/1/2025 7:00	0.00	0.85	35.56	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1131	10.02	47.51	337.3	400	1	4529	171645	4193	88326	748	0.08	7.02
4/1/2025 7:15	0.00	0.85	35.54	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171575	4193	88326	747	0.08	7.01
4/1/2025 7:30	0.00	0.85	35.53	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1130	10.02	47.51	337.3	400	1	4529	171520	4193	88326	747	0.08	7.01
4/1/2025 7:45	0.00	0.85	35.52	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.02	47.51	337.3	400	1	4529	171490	4193	88326	747	0.08	7.01
4/1/2025 8:00	0.00	0.85	35.50	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.03	47.51	337.3	400	1	4529	171421	4193	88326	746	0.08	7.00
4/1/2025 8:15	0.00	0.85	35.51	2.08	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1129	10.03	47.51	337.3	400	1	4529	171429	4193	88326	747	0.08	7.00
4/1/2025 8:30	0.00	0.85	35.49	2.07	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1128	10.03	47.51	337.3	400	1	4529	171348	4193	88326	746	0.08	6.99
4/1/2025 8:45	0.00	0.85	35.48	2.07	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1128	10.03	47.51	337.3	400	1	4529	171336	4193	88326	746	0.08	6.99
4/1/2025 9:00	0.00	0.85	35.47	2.07	0.85	0.00	0.68	0.44	0.00	0.37	0.14	0.41	0.04	1128	10.04	47.51	337.3	400	1	4529	171282	4193	88326	746	0.08	6.99

36Inch Flare / **24Inch Flare** / **Pit Flare**

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/1/2025 0:00																								7.01
4/1/2025 0:15																								7.01
4/1/2025 0:30																								7.01
4/1/2025 0:45																								7.01
4/1/2025 1:00																								7.01
4/1/2025 1:15																								7.01
4/1/2025 1:30																								7.01
4/1/2025 1:45																								7.01
4/1/2025 2:00																								7.00
4/1/2025 2:15																								7.01
4/1/2025 2:30																								7.00
4/1/2025 2:45																								7.01
4/1/2025 3:00																								7.01
4/1/2025 3:15																								7.01
4/1/2025 3:30																								7.01
4/1/2025 3:45																								7.01
4/1/2025 4:00																								7.01
4/1/2025 4:15																								7.01
4/1/2025 4:30																								7.01
4/1/2025 4:45																								7.01
4/1/2025 5:00																								7.01
4/1/2025 5:15																								7.01
4/1/2025 5:30																								7.01
4/1/2025 5:45																								7.01
4/1/2025 6:00																								7.02
4/1/2025 6:15																								7.02
4/1/2025 6:30																								7.02
4/1/2025 6:45																								7.02
4/1/2025 7:00																								7.02
4/1/2025 7:15																								7.01
4/1/2025 7:30																								7.01
4/1/2025 7:45																								7.01
4/1/2025 8:00																								7.00
4/1/2025 8:15																								7.00
4/1/2025 8:30																								6.99
4/1/2025 8:45																								6.99
4/1/2025 9:00																								6.99

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data / Calculated Data – Flare Gas Composition

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/2/2025 20:45	-0.04	1.35	100.0	27.73	3.03	30.68	777	774	611	-5.00	946	1121	-5	37.3	0.109	0.75	0.17	0.00	55.34	0.00	2.09	0.00	0.79	36.10	2.09
4/2/2025 21:00	-0.04	1.36	100.0	35.06	2.56	30.53	774	772	613	-5.00	935	1120	-5	37.5	0.110	0.75	0.17	0.00	55.34	0.00	2.09	0.00	0.79	36.10	2.09
4/2/2025 21:15	-0.04	1.36	100.0	27.87	2.52	29.69	793	727	660	-5.00	1019	1039	-5	37.4	0.110	0.75	0.17	0.00	55.34	0.00	2.09	0.00	0.79	36.10	2.09
4/2/2025 21:30	-0.04	1.36	100.0	39.98	2.28	29.97	793	722	671	-5.00	1066	1032	-5	37.4	0.110	0.75	0.17	0.00	55.34	0.00	2.09	0.00	0.79	36.10	2.09
4/2/2025 21:45	-0.04	1.36	100.0	23.39	2.41	30.62	779	732	681	-5.00	1120	1028	-5	37.4	0.110	0.75	0.17	0.00	55.34	0.00	2.09	0.00	0.79	36.10	2.09
4/2/2025 22:00	-0.04	1.36	100.0	25.30	2.49	30.20	788	721	667	-5.00	1050	1025	-5	37.6	0.110	0.75	0.21	0.00	59.40	0.00	0.15	0.00	0.87	33.96	2.17
4/2/2025 22:15	-0.04	1.37	100.0	36.32	3.08	30.10	788	727	634	-5.00	1000	1037	-5	37.8	0.111	0.76	0.21	0.00	59.40	0.00	0.15	0.00	0.87	33.96	2.17
4/2/2025 22:30	-0.04	1.37	100.0	37.30	2.84	30.39	791	735	640	-5.00	985	1072	-5	38.1	0.113	0.77	0.21	0.00	59.40	0.00	0.15	0.00	0.87	33.96	2.17
4/2/2025 22:45	-0.04	1.37	100.0	30.84	2.34	29.79	800	742	651	-5.00	982	1129	-5	38.3	0.113	0.77	0.21	0.00	59.39	0.00	0.15	0.00	0.87	33.96	2.17
4/2/2025 23:00	-0.04	1.37	100.0	39.03	3.45	29.81	802	756	669	-5.00	979	1235	-5	38.5	0.114	0.78	0.21	0.00	59.39	0.00	0.15	0.00	0.87	33.95	2.17
4/2/2025 23:15	-0.04	1.37	100.0	36.60	3.18	29.88	796	787	653	-5.00	938	1322	-5	38.8	0.116	0.79	0.21	0.00	59.38	0.00	0.15	0.00	0.87	33.95	2.17
4/2/2025 23:30	-0.04	1.37	100.0	44.82	3.45	30.46	800	780	663	-5.00	939	1300	-5	39.0	0.117	0.80	0.21	0.00	59.38	0.00	0.15	0.00	0.87	33.95	2.16
4/2/2025 23:45	-0.04	1.37	100.0	30.04	3.00	30.11	797	765	677	-5.00	948	1237	-5	39.3	0.118	0.81	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.95	2.16
4/3/2025 0:00	-0.03	1.38	100.0	29.86	2.60	29.97	805	756	668	-5.00	967	1224	-5	39.6	0.119	0.81	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 0:15	-0.03	1.38	100.0	50.88	3.13	29.34	799	776	664	-5.00	958	1279	-5	39.7	0.120	0.82	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 0:30	-0.03	1.38	100.0	51.39	3.10	30.36	781	799	627	-5.00	945	1359	-5	39.7	0.120	0.82	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 0:45	-0.03	1.38	100.0	43.01	2.73	29.61	781	796	622	-5.00	938	1335	-5	39.6	0.120	0.82	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 1:00	-0.03	1.38	100.0	52.89	3.40	31.04	788	788	619	-5.00	933	1256	-5	39.5	0.119	0.81	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 1:15	-0.03	1.38	100.0	42.64	3.53	29.74	784	763	639	-5.00	969	1139	-5	39.4	0.118	0.81	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 1:30	-0.03	1.38	100.0	37.64	2.52	30.33	752	759	689	-5.00	1126	1076	-5	39.3	0.118	0.81	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 1:45	-0.03	1.38	100.0	42.06	3.12	30.10	695	764	672	-5.00	1173	1055	-5	40.2	0.122	0.83	0.21	0.00	59.36	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 2:00	-0.03	1.38	100.0	49.12	2.90	29.55	696	759	716	-5.00	1097	1110	-5	40.8	0.125	0.86	0.21	0.00	59.34	0.00	0.15	0.00	0.87	33.93	2.16
4/3/2025 2:15	-0.03	1.38	100.0	72.02	2.72	30.12	687	765	696	-5.00	1051	1130	-5	41.1	0.126	0.86	0.21	0.00	59.34	0.00	0.15	0.00	0.87	33.93	2.16
4/3/2025 2:30	-0.03	1.38	100.0	38.38	3.56	29.45	666	784	748	-5.00	1048	1165	-5	41.3	0.127	0.87	0.21	0.00	59.34	0.00	0.15	0.00	0.87	33.92	2.16
4/3/2025 2:45	-0.03	1.38	100.0	46.66	3.45	29.88	727	747	734	-5.00	1011	1163	-5	41.0	0.126	0.86	0.21	0.00	59.34	0.00	0.15	0.00	0.87	33.93	2.16
4/3/2025 3:00	-0.03	1.38	100.0	62.92	3.68	30.30	763	762	684	-5.00	957	1268	-5	40.3	0.123	0.84	0.21	0.00	59.35	0.00	0.15	0.00	0.87	33.93	2.16
4/3/2025 3:15	-0.03	1.38	100.0	25.75	2.43	30.46	759	792	640	-5.00	937	1327	-5	39.8	0.121	0.82	0.21	0.00	59.36	0.00	0.15	0.00	0.87	33.94	2.16
4/3/2025 3:30	-0.03	1.38	100.0	23.34	3.29	29.48	749	773	657	-5.00	945	1209	-5	39.6	0.119	0.82	0.21	0.00	59.37	0.00	0.15	0.00	0.87	33.94	2.16

Flare Gas Composition (cont.) / Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
									LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/2/2025 20:45	0.80	0.00	0.64	0.41	0.00	0.33	0.12	0.36	0.04	1108	10.27	47.47	337.0	400	1	4529	167405	4193	88326	727	0.07	5.31																								5.31
4/2/2025 21:00	0.80	0.00	0.64	0.41	0.00	0.33	0.12	0.36	0.04	1108	10.27	47.47	337.0	400	1	4529	167398	4193	88326	727	0.07	5.31																								5.31
4/2/2025 21:15	0.80	0.00	0.64	0.41	0.00	0.33	0.12	0.36	0.04	1108	10.27	47.47	337.0	400	1	4529	167402	4193	88326	727	0.07	5.31																								5.31
4/2/2025 21:30	0.80	0.00	0.64	0.41	0.00	0.33	0.12	0.36	0.04	1108	10.27	47.47	337.0	400	1	4529	167402	4193	88326	727	0.07	5.31																								5.31
4/2/2025 21:45	0.80	0.00	0.64	0.41	0.00	0.33	0.12	0.36	0.04	1108	10.27	47.47	337.0	400	1	4529	167400	4193	88326	727	0.07	5.31																								5.31
4/2/2025 22:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179331	4193	88326	766	0.08	7.08																								7.08
4/2/2025 22:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179320	4193	88326	766	0.08	7.08																								7.08
4/2/2025 22:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179308	4193	88326	766	0.08	7.08																								7.08
4/2/2025 22:45	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179298	4193	88326	766	0.08	7.08																								7.08
4/2/2025 23:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179287	4193	88326	766	0.08	7.08																								7.08
4/2/2025 23:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179273	4193	88326	765	0.08	7.08																								7.08
4/2/2025 23:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1141	9.59	47.61	338.0	400	1	4529	179263	4193	88326	765	0.08	7.08																								7.08
4/2/2025 23:45	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179248	4193	88326	765	0.08	7.07																								7.07
4/3/2025 0:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179234	4193	88326	765	0.08	7.07																								7.07
4/3/2025 0:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179225	4193	88326	765	0.08	7.07																								7.07
4/3/2025 0:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179225	4193	88326	765	0.08	7.07																								7.07
4/3/2025 0:45	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179232	4193	88326	765	0.08	7.07																								7.07
4/3/2025 1:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179235	4193	88326	765	0.08	7.07																								7.07
4/3/2025 1:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179243	4193	88326	765	0.08	7.07																								7.07
4/3/2025 1:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179246	4193	88326	765	0.08	7.07																								7.07
4/3/2025 1:45	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179202	4193	88326	765	0.08	7.07																								7.07
4/3/2025 2:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179167	4193	88326	765	0.08	7.07																								7.07
4/3/2025 2:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.60	47.61	338.0	400	1	4529	179155	4193	88326	765	0.08	7.07																								7.07
4/3/2025 2:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.60	47.61	338.0	400	1	4529	179144	4193	88326	765	0.08	7.07																								7.07
4/3/2025 2:45	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.60	47.61	338.0	400	1	4529	179157	4193	88326	765	0.08	7.07																								7.07
4/3/2025 3:00	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179195	4193	88326	765	0.08	7.07																								7.07
4/3/2025 3:15	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179220	4193	88326	765	0.08	7.07																								7.07
4/3/2025 3:30	0.08	0.00	0.74	0.53	0.00	0.49	0.19	0.45	0.04	1140	9.59	47.61	338.0	400	1	4529	179232	4193	88326	765	0.08	7.07																								7.07

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey box) = Flare Not Active This Event

	Historian Data														
	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
4/4/2025 17:30	-0.04	1.29	100.0	48.96	2.10	28.68	779	766	687	-5.00	1018	1118	-5	43.1
4/4/2025 17:45	-0.04	1.29	100.0	24.77	2.57	28.72	782	758	680	-5.00	974	1101	-5	43.7
4/4/2025 18:00	-0.04	1.29	100.0	11.37	2.59	29.07	777	764	675	-5.00	991	1099	-5	43.9
4/4/2025 18:15	-0.04	1.29	100.0	33.53	3.08	29.39	770	774	681	-5.00	1028	1108	-5	43.3
4/4/2025 18:30	-0.04	1.29	100.0	37.82	2.72	29.05	778	772	722	-5.00	1050	1154	-5	43.3
4/4/2025 18:45	-0.04	1.30	100.0	24.18	2.20	29.16	754	759	794	-5.00	1051	1172	-5	43.4
4/4/2025 19:00	-0.04	1.29	100.0	34.36	2.99	27.07	716	767	791	-5.00	1042	1161	-5	43.3
4/4/2025 19:15	-0.04	1.29	100.0	12.82	1.90	27.48	709	788	798	-5.00	1040	1139	-5	43.2
4/4/2025 19:30	-0.04	1.28	100.0	26.14	1.66	27.47	717	786	787	-5.00	1043	1134	-5	42.9
4/4/2025 19:45	-0.04	1.28	100.0	41.69	3.07	26.99	719	785	776	-5.00	1041	1130	-5	43.1
4/4/2025 20:00	-0.04	1.29	100.0	37.28	2.07	26.88	713	786	788	-5.00	1037	1140	-5	43.7
4/4/2025 20:15	-0.04	1.29	100.0	20.54	1.90	27.64	701	790	802	-5.00	1042	1158	-5	44.1
4/4/2025 20:30	-0.04	1.29	100.0	9.51	1.35	26.39	699	786	797	-5.00	1032	1164	-5	44.0
4/4/2025 20:45	-0.04	1.28	100.0	4.82	0.86	27.13	703	787	816	-5.00	1045	1167	-5	44.6
4/4/2025 21:00	-0.04	1.28	100.0	36.58	1.90	27.51	700	788	828	-5.00	1055	1178	-5	44.8
4/4/2025 21:15	-0.04	1.29	100.0	22.54	2.13	26.84	711	781	817	-5.00	1040	1182	-5	44.0
4/4/2025 21:30	-0.04	1.29	100.0	28.22	2.83	27.24	725	756	792	-5.00	1036	1185	-5	42.8
4/4/2025 21:45	-0.04	1.29	100.0	31.71	1.96	26.77	754	747	785	-5.00	1029	1190	-5	42.2
4/4/2025 22:00	-0.04	1.29	100.0	53.47	2.57	26.95	757	750	784	-5.00	1029	1185	-5	41.9
4/4/2025 22:15	-0.04	1.29	100.0	25.02	1.69	26.90	758	753	784	-5.00	1029	1178	-5	41.9
4/4/2025 22:30	-0.04	1.29	100.0	13.00	1.44	27.37	763	734	775	-5.00	1026	1188	-5	41.8
4/4/2025 22:45	-0.03	1.29	100.0	10.79	1.42	27.48	723	748	792	-5.00	1032	1180	-5	41.7
4/4/2025 23:00	-0.03	1.30	100.0	16.71	1.27	27.61	695	766	789	-5.00	1033	1175	-5	41.6
4/4/2025 23:15	-0.03	1.30	100.0	9.25	1.78	27.28	692	778	775	-5.00	1033	1167	-5	41.5
4/4/2025 23:30	-0.03	1.29	100.0	18.28	1.65	26.72	693	780	772	-5.00	1035	1169	-5	41.3
4/4/2025 23:45	-0.03	1.29	100.0	29.94	1.79	26.74	702	783	763	-5.00	1043	1157	-5	41.3
4/5/2025 0:00	-0.03	1.30	100.0	5.73	1.97	27.19	719	781	745	-5.00	1041	1144	-5	41.3
4/5/2025 0:15	-0.03	1.30	100.0	1.68	1.55	26.66	735	781	696	-5.00	1068	1123	-5	41.4
4/5/2025 0:30	-0.03	1.30	100.0	18.39	1.48	27.56	755	785	676	-5.00	1087	1111	-5	41.4
4/5/2025 0:45	-0.03	1.30	100.0	26.20	1.37	28.04	750	780	679	-5.00	1094	1102	-5	41.4
4/5/2025 1:00	-0.03	1.30	100.0	18.38	1.11	27.09	745	783	679	-5.00	1077	1110	-5	41.6
4/5/2025 1:15	-0.03	1.30	100.0	13.59	1.60	26.87	711	775	723	-5.00	1077	1107	-5	41.7
4/5/2025 1:30	-0.03	1.31	100.0	28.12	1.62	27.72	717	776	719	-5.00	1093	1099	-5	41.6
4/5/2025 1:45	-0.03	1.31	100.0	6.33	1.20	26.93	713	773	730	-5.00	1089	1098	-5	41.3
4/5/2025 2:00	-0.03	1.31	100.0	9.97	1.09	27.42	715	775	724	-5.00	1088	1099	-5	40.9
4/5/2025 2:15	-0.03	1.31	100.0	10.09	1.74	26.83	753	776	695	-5.00	1104	1103	-5	40.9
4/5/2025 2:30	-0.03	1.31	100.0	31.95	2.02	26.77	781	773	687	-5.00	1117	1100	-5	41.0
4/5/2025 2:45	-0.03	1.31	100.0	57.36	1.34	27.14	778	775	680	-5.00	1110	1098	-5	40.4
4/5/2025 3:00	-0.03	1.31	100.0	26.85	2.16	27.05	783	771	686	-5.00	1124	1099	-5	38.6
4/5/2025 3:15	-0.03	1.32	100.0	15.69	2.30	27.52	774	769	704	-5.00	1153	1089	-5	39.8
4/5/2025 3:30	-0.03	1.32	100.0	24.31	1.88	26.58	744	769	724	-5.00	1163	1077	-5	39.9
4/5/2025 3:45	-0.03	1.32	100.0	48.94	2.71	27.17	747	769	724	-5.00	1156	1077	-5	39.6
4/5/2025 4:00	-0.03	1.32	100.0	2.91	1.22	26.33	744	762	730	-5.00	1182	1064	-5	40.1
4/5/2025 4:15	-0.03	1.32	100.0	17.17	1.48	27.06	748	762	725	-5.00	1194	1068	-5	39.9
4/5/2025 4:30	-0.03	1.33	100.0	24.21	1.99	27.21	749	764	724	-5.00	1164	1073	-5	39.7
4/5/2025 4:45	-0.03	1.33	100.0	54.24	2.98	26.26	756	765	721	-5.00	1175	1073	-5	39.6
4/5/2025 5:00	-0.03	1.33	100.0	24.13	1.41	27.26	742	760	728	-5.00	1180	1066	-5	39.3
4/5/2025 5:15	-0.03	1.33	100.0	33.53	2.33	27.34	746	764	724	-5.00	1150	1072	-5	39.6
4/5/2025 5:30	-0.03	1.33	100.0	21.42	1.86	26.32	748	764	721	-5.00	1148	1077	-5	39.6
4/5/2025 5:45	-0.03	1.33	100.0	53.44	1.68	26.52	752	768	712	-5.00	1142	1083	-5	39.6
4/5/2025 6:00	-0.03	1.33	100.0	27.66	1.44	26.98	738	765	736	-5.00	1138	1074	-5	38.4
4/5/2025 6:15	-0.03	1.33	100.0	24.80	1.67	27.06	751	754	748	-5.00	1152	1065	-5	37.9
4/5/2025 6:30	-0.03	1.33	100.0	49.36	1.41	26.84	741	764	728	-5.00	1163	1071	-5	37.8
4/5/2025 6:45	-0.03	1.33	100.0	38.87	2.59	26.90	750	765	721	-5.00	1170	1074	-5	37.8
4/5/2025 7:00	-0.03	1.33	100.0	20.06	0.88	26.93	760	766	706	-5.00	1148	1082	-5	37.8
4/5/2025 7:15	-0.03	1.35	100.0	23.95	1.95	26.22	732	766	725	-5.00	1136	1078	-5	37.9
4/5/2025 7:30	-0.03	1.34	100.0	12.98	1.80	26.41	740	761	743	-5.00	1124	1070	-5	38.1
4/5/2025 7:45	-0.03	1.33	100.0	25.14	2.43	26.68	745	758	735	-5.00	1142	1071	-5	38.3
4/5/2025 8:00	-0.03	1.33	100.0	9.57	1.83	26.75	729	766	723	-5.00	1131	1079	-5	38.4
4/5/2025 8:15	-0.03	1.33	100.0	19.02	1.59	27.01	747	773	690	-5.00	1090	1094	-5	38.5
4/5/2025 8:30	-0.03	1.34	100.0	5.34	1.52	26.87	759	782	662	-5.00	1064	1106	-5	38.7
4/5/2025 8:45	-0.03	1.34	100.0	26.49	1.83	27.40	754	780	662	-5.00	1064	1103	-5	39.0
4/5/2025 9:00	-0.03	1.34	100.0	28.41	1.06	27.38	733	782	671	-5.00	1065	1105	-5	39.1
4/5/2025 9:15	-0.03	1.34	100.0	15.15	1.70	27.06	733	780	689	-5.00	1061	1114	-5	39.3
4/5/2025 9:30	-0.03	1.34	100.0	10.22	1.08	27.24	701	774	700	-5.00	1056	1108	-5	39.5
4/5/2025 9:45	-0.03	1.34	100.0	25.03	1.77	26.74	698	770	716	-5.00	1058	1114	-5	39.6
4/5/2025 10:00	-0.03	1.34	100.0	20.00	1.39	26.87	693	774	707	-5.00	1054	1118	-5	39.9
4/5/2025 10:15	-0.03	1.34	100.0	5.90	1.35	26.76	698	782	690	-5.00	1045	1121	-5	40.0
4/5/2025 10:30	-0.03	1.34	100.0	10.56	1.00	27.34	702	784	686	-5.00	1039	1116	-5	40.0
4/5/2025 10:45	-0.03	1.34	100.0	25.80	1.33	27.12	700	783	710	-5.00	1037	1124	-5	40.0
4/5/2025 11:00	-0.03	1.34	100.0	17.36	1.06	27.51	699	776	730	-5.00	1038	1137	-5	40.2
4/5/2025 11:15	-0.03	1.34	100.0	37.09	2.24	26.85	687	775	746	-5.00	1031	1149	-5	40.3
4/5/2025 11:30	-0.03	1.34	100.0	25.93	1.35	26.71	680	751	785	-5.00	1031	1168	-5	40.7
4/5/2025 11:45	-0.03	1.34	100.0	20.56	1.63	27.34	694	749	800	-5.00	1036	1171	-5	40.5
4/5/2025 12:00	-0.03	1.34	100.0	45.38	1.91	26.62	693	778	798	-5.00	1052	1168	-5	40.7
4/5/2025 12:15	-0.03	1.35	100.0	21.98	1.02	27.61	678	755	794	-5.00	1039	1175	-5	41.5
4/5/2025 12:30	-0.03	1.35	100.0	7.50	1.15	26.12	679	766	783	-5.00	1041	1169	-5	41.0
4/5/2025 12:45	-0.03	1.34	100.0	46.20	3.22	27.22	680	784	764	-5.00	1042	1160	-5	41.3
4/5/2025 13:00	-0.03	1.34	100.0	37.96	2.13	27.81	713	772	752	-5.00	1097	1134	-5	41.4
4/5/2025 13:15	-0.03	1.34	100.0	49.83	1.68	27.20	720	762	736	-5.00	1083	1126	-5	42.5
4/5/2025 13:30	-0.03	1.34	100.0	9.42	1.50	27.47	687	755	769	-5.00	1050	1169	-5	42.4
4/5/2025 13:45	-0.03	1.34	100.0	49.42	1.88	26.61	680	749	780	-5.00	1034	1163	-5	41.6
4/5/2025 14:00	-0.03	1.34	100.0	16.56	1.29	27.28	684	781	755	-5.00	1031	1167	-5	41.3
4/5/2025 14:15	-0.03	1.34	100.0	35.19	1.97	27.00	689	789	734	-5.00	1028	1163	-5	42.0
4/5/2025 14:30	-0.03	1.34	100.0	31.47	1.51	27.16	715	787	727	-5.00	1041	1152	-5	42.5
4/5/2025 14:45	-0.03	1.34	100.0	15.52	1.37	26.97	710	781	777	-5.00	1062	1166	-5	43.4
4/5/2025 15:00	-0.03	1.34	100.0	29.45	2.29	27.48	706	776	811	-5.00	1080	1168	-5	43.9
4/5/2025 15:15	-0.03	1.34	100.0	22.37	2.15	27.24	762	771	749	-5.00	1065	1177	-5	43.1
4/5/2025 15:30	-0.04	1.34	100.0	26.55	2.26	27.42	774	769	713	-5.00	1059	1178	-5	44.0
4/5/2025 15:45	-0.04	1.34	100.0	18.70	1.07	27.08	770	800	735	-5.00	1085	1187	-5	44.9
4/5/2025 16:00	-0.04	1.34	100.0	31.17	2.24	27.76	771	811	679	-5.00	1034	1175	-5	45.2
4/5/2025 16:15	-0.04	1.34	100.0	38.46	1.91	27.70	766	775	710	-5.00	1020	1150	-5	44.7
4/5/2025 16:30	-0.04	1.34	100.0	41.15	1.40	27.58	773	753	727	-5.00	1043	1126	-5	43.9
4/5/2025 16:45	-0.04	1.34	100.0	23.04	0.86	28.27	770	753	732	-5.00	1048	1142	-5	44.6
4/5/2025 17:00	-0.04	1.34	100.0	15.88	0.86	27.68	767	744	736	-5.00	1077	1125	-5	46.8
4/5/2025 17:15	-0.04	1.34	100.0	14.58	1.52	27.72	758	703	734	-5.00	1078	1043	-5	50.1
4/5/2025 17:30	-0.04	1.34	100.0	15.84	2.31	28.03	740	701	731	-5.00	1080	1021	-5	50.0
4/5/2025 17:45	-0.04	1.33	100.0	18.49	1.91	27.57	759	702	740	-5.00	1074	1020	-5	50.0
4/5/2025 18:00	-0.04	1.34	100.0	19.46	0.89	27.62	749	719	730	-5.00	1066	1012	-5	49.8
4/5/2025 18:15	-0.04	1.33	100.0	55.04	1.54	27.23	734	726	718	-5.00	1048	981	-5	49.5
4/5/2025 18:30	-0.04	1.34	100.0	33.59	1.91	27.51	751	719	728	-5.00	1057	986	-5	49.2
4/5/2025 18:45	-0.04	1.34	100.0	34.84	1.72	27.94	739	730	730	-5.00	1049	973	-5	49.3
4/5/2025 19:00	-0.04	1.34	100.0	42.01	2.23	26.72	737	736	718	-5.00	1084	966	-5	51.0
4/5/2025 19:15	-0.04	1.34	100.0	33.98	1.64	26.48	732	739	712	-5.00	1082	964	-5	50.3
4/5/2025 19:30	-0.04	1.33	100.0	32.86	2.16	27.18	742	723	729	-5.00	1042	967	-5	49.9
4/5/2025 19:45	-0.04	1.33	100.0	8.02	1.30	26.58	754	717	731	-5.00	1048	977	-5	49.6
4/5/2025 20:00	-0.04	1.33	100.0	20.93	1.56	26.82	762	717	739	-5.00	1065	999	-5	49.2
4/5/2025 20:15	-0.04	1.33	100.0	33.26	2.69	26.70	755	727	740	-5.00	1048	984	-5	48.6
4/5/2025 20:30	-0.04	1.33	100.0	19.47	1.92	26.39	744	740	728	-5.00	1079	976	-5	47.8
4/5/2025 20:45	-0.04	1.33	100.0	20.81	3.31	26.90	754	728	736	-5.00	1095	1005	-5	47.5
4/5/2025 21:00	-0.04	1.34	100.0	27.25	1.94	26.07	774	717	747	-5.00	1077	1008	-5	47.4
4/5/2025 21:15	-0.04	1.33	100.0	32.69	2.85	26.53	785	714	761	-5.00	1087	1041	-5	47.1
4/5/2025 21:30	-0.04	1.33	100.0	34.01	1.77	26.90	798	717	762	-5.00	1098	1083	-5	46.7
4/5/2025 21:45	-0.04	1.33	100.0	31.61	1.81	26.73	796	707	758	-5.00	1085	1093	-5	46.4
4/5/2025 22:00	-0.04	1.33	100.0	52.41	2.29	26.59	804	705	763	-5.00	1089	1064	-5	46.7
4/5/2025 22:15	-0.04	1.33	100.0	24.34	1.85	26.73	803	697	763	-5.00	1087	1056	-5	46.3
4/5/2025 22:30	-0.04	1.33	100.0	13.06	1.21	26.64	794	709	763	-5.00	1091	1042	-5	46.0
4/5/2025 22:45	-0.04	1.33	100.0	30.31	2.17	27.03	807	706	764	-5.00	1086	1058	-5	46.2
4/5/2025 23:00	-0.04	1.33	100.0	34.55	2.72	26.89	809	715	761	-5.00	1067	1071	-5	45.8
4/5/2025 23:15	-0.04	1.33	100.0	2.37	2.15	27.25	807	703	763	-5.00	1082	1064	-5	45.7
4/5/2025 23:30	-0.04	1.33	100.0	43.28	1.83	27.24	787	701	754	-5.00	1081	1047	-5	45.2
4/5/2025 23:45	-0.04	1.34	100.0	14.84	1.18	27.32	779	702	749	-5.00	1083	1036	-5	45.1
4/6/2025 0:00	-0.04	1.33	100.0	33.14	1.69	26.64	770	720	747	-5.00	1084	1042	-5	45.0
4/6/2025 0:15	-0.04	1.33	100.0	34.06	2.46	26.54	768	726	741	-5.00	1092	1054	-5	44.8
4/6/2025 0:30	-0.04	1.34	100.0	36.97	1.90	26.99	776	710	746	-5.00	1091	1042	-5	44.9
4/6/2025 0:45	-0.04	1.34	100.0	12.83	1.68	27.21	788	708	752	-5.00	1084	1054	-5	44.7
4/6/2025 1:00	-0.04	1.33	100.0	12.03	1.12	26.11	764	733	750	-5.00	1113	1039	-5	44.3
4/6/2025 1:15	-0.04	1.33	100.0	21.46	2.32	27.43	749	746	734	-5.00	1134	1031	-5	43.8
4/6/2025 1:30	-0.04	1.33	100.0	11.67	1.28	26.27	753	755	740	-5.00	1121	1069	-5	43.4
4/6/2025 1:45	-0.04	1.33	100.0	37.44	1.86	25.80	740	744	727	-5.00	1076	999	-5	42.8
4/6/2025 2:00	-0.04	1.33	100.0	48.49	1.63	26.78	741	742	732	-5.00	1100	1001	-5	42.3
4/6/2025 2:15	-0.04	1.34	100.0	22.84	1.62	26.21	746	761	736	-5.00	1142	1036	-5	42.0
4/6/2025 2:30	-0.04	1.33	100.0	31.09	1.90	26.43	752	741	739	-5.00	1137	1038	-5	41.5
4/6/2025 2:45	-0.03	1.33	100.0	37.29	1.20	26.47	747	747	734	-5.00	1161	1025	-5	41.2
4/6/2025 3:00	-0.04	1.34	100.0	26.91	1.96	26.54	745	741	734	-5.00	1096	998	-5	40.7
4/6/2025 3:15	-0.03	1.34	100.0	35.02	2.42	26.42	735	769	739	-5.00	1181	1026	-5	40.5
4/6/2025 3:30	-0.03	1.33	100.0	24.97	2.30	25.82	730	770	733	-5.00	1201	1023	-5	40.0
4/6/2025 3:45	-0.03	1.34	100.0	34.01	2.63	25.60	730	778	736	-5.00	1213	1033	-5	39.6
4/6/2025 4:00	-0.03	1.34	100.0	13.12	1.59	25.93	740	777	740	-5.00	1167	1058	-5	39.7
4/6/2025 4:15	-0.03	1.34	100.0	37.44	1.97	27.09	749	755	737	-5.00	1144	1048	-5	39.7
4/6/2025 4:30	-0.03	1.34	100.0	71.97	1.88	26.59	756	750	740	-5.00	1129	1073	-5	39.7
4/6/2025 4:45	-0.03	1.34	100.0	18.64	2.08	26.10	764	730	744	-5.00	1098	1040	-5	39.8
4/6/2025 5:00	-0.03	1.34	100.0	18.83	2.32	26.38	749	747	739	-5.00	1119	1028	-5	39.5
4/6/2025 5:15	-0.03	1.34	100.0	48.60	2.62	26.16	742	756	730	-5.00	1162	1044	-5	39.3
4/6/2025 5:30	-0.03	1.34	100.0	28.44	2.39	26.54	743	760	735	-5.00	1157	1049	-5	39.1
4/6/2025 5:45	-0.03	1.34	100.0	44.96	2.12	26.63	750	742	735	-5.00	1115	1034	-5	38.9
4/6/2025 6:00	-0.03	1.34	100.0	11.86	1.10	25.76	742	761	736	-5.00	1153	1037	-5	38.7
4/6/2025 6:15	-0.03	1.34	100.0	38.86	2.16	25.45	750	751	736	-5.00	1115	1033	-5	38.5
4/6/2025 6:30	-0.03	1.34	100.0	52.54	3.05	26.66	744	751	732	-5.00	1113	1012	-5	38.2
4/6/2025 6:45	-0.03	1.35	100.0	58.69	2.22	25.97	741	754	731	-5.00	1168	1016	-5	37.8
4/6/2025 7:00	-0.03	1.35	100.0	36.84	2.59	26.29	737	780	738	-5.00	1211	1056	-5	37.6
4/6/2025 7:15	-0.03	1.35	100.0	37.83	2.10	26.04	741	780	743	-5.00	1160	1076	-5	37.7
4/6/2025 7:30	-0.04	1.35	100.0	19.97	2.35	25.29	749	757	741	-5.00	1129	1081	-5	37.6
4/6/2025 7:45	-0.04	1.35	100.0	36.18	1.78	26.62	742	754	737	-5.00	1167	1049	-5	37.6
4/6/2025 8:00	-0.04	1.35	100.0	49.07	2.41	26.05	727	780	734	-5.00	1208	1043	-5	37.7
4/6/2025 8:15	-0.04	1.35	100.0	33.66	1.83	26.09	737	766	731	-5.00	1194	1051	-5	38.2
4/6/2025 8:30	-0.04	1.33	100.0	3.57	1.92	26.31	732	766	723	-5.00	1177	1034	-5	39.2
4/6/2025 8:45	-0.04	1.33	100.0	26.51	2.84	29.00	723	771	718	-5.00	1240	1051	-5	40.6
4/6/2025 9:00	-0.04	1.34	100.0	35.07	2.79	29.31	710	776	711	-5.00	1223	1032	-5	41.1
4/6/2025 9:15	-0.04	1.34	100.0	27.94	2.43	29.43	716	771	705	-5.00	1218	1043	-5	44.1
4/6/2025 9:30	-0.03	1.34	100.0	40.64	2.80	29.95	714	765	703	-5.00	1204	1031	-5	44.7
4/6/2025 9:45	-0.03	1.35	100.0	25.96	2.34	29.59	716	765	709	-5.00	1194	1024	-5	44.0
4/6/2025 10:00	-0.03	1.35	100.0	34.79	2.16	29.00	717	772	702	-5.00	1187	1052	-5	44.4
4/6/2025 10:15	-0.03	1.35	100.0	23.00	2.31	29.21	708	775	700	-5.00	1241	1038	-5	43.1
4/6/2025 10:30	-0.03	1.34	100.0	29.45	1.81	29.70	702	760	703	-5.00	1206	1011	-5	43.8
4/6/2025 10:45	-0.03	1.35	100.0	60.48	1.96	28.82	701	776	703	-5.00	1195	1031	-5	46.9
4/6/2025 11:00	-0.03	1.35	100.0	28.55	2.66	29.05	696	777	706	-5.00	1293	1028	-5	44.8
4/6/2025 11:15	-0.03	1.35	100.0	32.02	2.35	29.32	700	775	703	-5.00	1235	1022	-5	46.3
4/6/2025 11:30	-0.03	1.35	100.0	23.94	2.23	29.90	706	777	700	-5.00	1213	1030	-5	47.4
4/6/2025 11:45	-0.03	1.35	100.0	32.78	1.98	30.26	712	780	696	-5.00	1191	1051	-5	46.7
4/6/2025 12:00	-0.03	1.35	100.0	50.36	3.88	29.96	707	782	701	-5.00	1215	1051	-5	46.3
4/6/2025 12:15	-0.04	1.35	100.0	14.38	1.63	29.65	711	779	700	-5.00	1201	1040	-5	48.1
4/6/2025 12:30	-0.04	1.35	100.0	28.85	2.47	29.52	708	781	702	-5.00	1177	1057	-5	47.3
4/6/2025 12:45	-0.04	1.35	100.0	29.28	2.96	30.41	716	779	703	-5.00	1164	1043	-5	48.4
4/6/2025 13:00	-0.04	1.35	100.0	46.77	2.64	30.88	707	784	698	-5.00	1161	1055	-5	47.7
4/6/2025 13:15	-0.04	1.35	100.0	41.86	2.48	29.67	724	786	686	-5.00	1119	1077	-5	49.6
4/6/2025 13:30	-0.04	1.35	100.0	35.65	2.36	29.76	730	775	712	-5.00	1111	1083	-5	50.3
4/6/2025 13:45	-0.04	1.35	100.0	29.75	1.95	30.35	711	781	711	-5.00	1084	1091	-5	48.2
4/6/2025 14:00	-0.04	1.35	100.0	35.88	2.41	29.95	727	772	713	-5.00	1147	1071	-5	48.1

	Calculated Data																		
			Flare Gas Composition																
	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/4/2025 17:30	0.137	0.93	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 17:45	0.140	0.96	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 18:00	0.141	0.96	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 18:15	0.138	0.94	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 18:30	0.138	0.94	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 18:45	0.139	0.95	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 19:00	0.138	0.94	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 19:15	0.137	0.94	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 19:30	0.136	0.93	0.22	0.00	58.51	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 19:45	0.137	0.93	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 20:00	0.140	0.95	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 20:15	0.142	0.97	0.22	0.00	58.48	0.00	0.38	0.00	0.79	34.57	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 20:30	0.141	0.97	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 20:45	0.145	0.99	0.22	0.00	58.47	0.00	0.38	0.00	0.79	34.57	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 21:00	0.146	1.00	0.22	0.00	58.47	0.00	0.38	0.00	0.79	34.57	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/4/2025 21:15	0.142	0.97	0.22	0.00	58.48	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 21:30	0.135	0.92	0.22	0.00	58.51	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 21:45	0.132	0.90	0.22	0.00	58.52	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 22:00	0.131	0.89	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 22:15	0.131	0.89	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 22:30	0.130	0.89	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 22:45	0.130	0.89	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 23:00	0.129	0.88	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 23:15	0.129	0.88	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 23:30	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/4/2025 23:45	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 0:00	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 0:15	0.128	0.88	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 0:30	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 0:45	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 1:00	0.129	0.88	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 1:15	0.129	0.88	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 1:30	0.129	0.88	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 1:45	0.127	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 2:00	0.126	0.86	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 2:15	0.126	0.86	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 2:30	0.126	0.86	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 2:45	0.123	0.84	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 3:00	0.115	0.78	0.22	0.00	58.59	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 3:15	0.121	0.82	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 3:30	0.121	0.83	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 3:45	0.119	0.81	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 4:00	0.122	0.83	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 4:15	0.121	0.82	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 4:30	0.120	0.82	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 4:45	0.120	0.82	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 5:00	0.118	0.81	0.22	0.00	58.58	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 5:15	0.119	0.81	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 5:30	0.119	0.81	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 5:45	0.119	0.81	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 6:00	0.114	0.78	0.22	0.00	58.59	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 6:15	0.112	0.76	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.65	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 6:30	0.111	0.76	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.65	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 6:45	0.111	0.76	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.65	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 7:00	0.112	0.76	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.65	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 7:15	0.112	0.76	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.65	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 7:30	0.113	0.77	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 7:45	0.113	0.77	0.22	0.00	58.60	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 8:00	0.114	0.78	0.22	0.00	58.59	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 8:15	0.115	0.78	0.22	0.00	58.59	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 8:30	0.115	0.79	0.22	0.00	58.59	0.00	0.38	0.00	0.79	34.64	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 8:45	0.117	0.80	0.22	0.00	58.58	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 9:00	0.117	0.80	0.22	0.00	58.58	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 9:15	0.118	0.81	0.22	0.00	58.58	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 9:30	0.119	0.81	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 9:45	0.120	0.82	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.63	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 10:00	0.121	0.83	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 10:15	0.122	0.83	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 10:30	0.121	0.83	0.22	0.00	58.57	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 10:45	0.121	0.83	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 11:00	0.122	0.84	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 11:15	0.123	0.84	0.22	0.00	58.56	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 11:30	0.125	0.85	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 11:45	0.124	0.85	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 12:00	0.125	0.85	0.22	0.00	58.55	0.00	0.38	0.00	0.79	34.62	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 12:15	0.129	0.88	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 12:30	0.126	0.86	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 12:45	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 13:00	0.128	0.88	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 13:15	0.133	0.91	0.22	0.00	58.52	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 13:30	0.133	0.91	0.22	0.00	58.52	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 13:45	0.129	0.88	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 14:00	0.128	0.87	0.22	0.00	58.54	0.00	0.38	0.00	0.79	34.61	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 14:15	0.131	0.90	0.22	0.00	58.53	0.00	0.38	0.00	0.79	34.60	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 14:30	0.134	0.91	0.22	0.00	58.52	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 14:45	0.139	0.95	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 15:00	0.141	0.96	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 15:15	0.137	0.93	0.22	0.00	58.50	0.00	0.38	0.00	0.79	34.59	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 15:30	0.142	0.97	0.22	0.00	58.48	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 15:45	0.147	1.00	0.22	0.00	58.46	0.00	0.38	0.00	0.79	34.56	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 16:00	0.148	1.01	0.22	0.00	58.46	0.00	0.38	0.00	0.79	34.56	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 16:15	0.145	0.99	0.22	0.00	58.47	0.00	0.38	0.00	0.79	34.57	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 16:30	0.141	0.96	0.22	0.00	58.49	0.00	0.38	0.00	0.79	34.58	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 16:45	0.145	0.99	0.22	0.00	58.47	0.00	0.38	0.00	0.79	34.57	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.40
4/5/2025 17:00	0.158	1.08	0.22	0.00	58.42	0.00	0.38	0.00	0.79	34.54	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 17:15	0.179	1.22	0.22	0.00	58.34	0.00	0.38	0.00	0.79	34.49	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 17:30	0.178	1.21	0.22	0.00	58.34	0.00	0.38	0.00	0.79	34.49	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 17:45	0.178	1.21	0.22	0.00	58.34	0.00	0.38	0.00	0.79	34.49	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 18:00	0.176	1.20	0.22	0.00	58.35	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 18:15	0.174	1.19	0.22	0.00	58.36	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 18:30	0.172	1.18	0.22	0.00	58.36	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 18:45	0.173	1.18	0.22	0.00	58.36	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 19:00	0.184	1.26	0.22	0.00	58.32	0.00	0.38	0.00	0.79	34.48	1.48	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 19:15	0.180	1.23	0.22	0.00	58.33	0.00	0.38	0.00	0.79	34.49	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 19:30	0.177	1.21	0.22	0.00	58.34	0.00	0.38	0.00	0.79	34.49	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 19:45	0.175	1.19	0.22	0.00	58.35	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 20:00	0.172	1.18	0.22	0.00	58.36	0.00	0.38	0.00	0.79	34.50	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 20:15	0.169	1.15	0.22	0.00	58.38	0.00	0.38	0.00	0.79	34.51	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 20:30	0.164	1.12	0.22	0.00	58.40	0.00	0.38	0.00	0.79	34.52	1.49	0.84	0.00	0.74	0.51	0.00	0.43	0.18	0.39
4/5/2025 20:45	0.162	1.11	0.22	0.00	58.40	0.00	0.38	0.00	0.79	34.53	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 21:00	0.161	1.10	0.22	0.00	58.41	0.00	0.38	0.00	0.79	34.53	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 21:15	0.159	1.09	0.22	0.00	58.41	0.00	0.38	0.00	0.79	34.53	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 21:30	0.157	1.07	0.22	0.00	58.42	0.00	0.38	0.00	0.79	34.54	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 21:45	0.155	1.06	0.22	0.00	58.43	0.00	0.38	0.00	0.79	34.54	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 22:00	0.157	1.07	0.22	0.00	58.42	0.00	0.38	0.00	0.79	34.54	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 22:15	0.154	1.05	0.22	0.00	58.43	0.00	0.38	0.00	0.79	34.55	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 22:30	0.153	1.04	0.22	0.00	58.44	0.00	0.38	0.00	0.79	34.55	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 22:45	0.154	1.05	0.22	0.00	58.43	0.00	0.38	0.00	0.79	34.55	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 23:00	0.152	1.04	0.22	0.00	58.44	0.00	0.38	0.00	0.79	34.55	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 23:15	0.151	1.03	0.22	0.00	58.45	0.00	0.38	0.00	0.79	34.55	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 23:30	0.148	1.01	0.22	0.00	58.46	0.00	0.38	0.00	0.79	34.56	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/5/2025 23:45	0.148	1.01	0.22	0.00	58.46	0.00	0.38	0.00	0.79	34.56	1.49	0.84	0.00	0.74	0.51	0.00	0.44	0.18	0.39
4/6/2025 0:00	0.147	1.01	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.78	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 0:15	0.146	1.00	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 0:30	0.147	1.00	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.78	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 0:45	0.146	0.99	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 1:00	0.143	0.98	0.18	0.00	63.36	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 1:15	0.141	0.96	0.18	0.00	63.37	0.00	1.14	0.00	0.66	29.80	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 1:30	0.139	0.95	0.18	0.00	63.38	0.00	1.14	0.00	0.66	29.80	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 1:45	0.135	0.92	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 2:00	0.133	0.91	0.18	0.00	63.41	0.00	1.14	0.00	0.66	29.81	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 2:15	0.131	0.89	0.18	0.00	63.41	0.00	1.14	0.00	0.66	29.82	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 2:30	0.129	0.88	0.18	0.00	63.42	0.00	1.14	0.00	0.66	29.82	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 2:45	0.127	0.87	0.18	0.00	63.43	0.00	1.14	0.00	0.66	29.82	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 3:00	0.125	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 3:15	0.124	0.84	0.18	0.00	63.45	0.00	1.15	0.00	0.66	29.83	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 3:30	0.121	0.83	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 3:45	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 4:00	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 4:15	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 4:30	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 4:45	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 5:00	0.119	0.81	0.18	0.00	63.47	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 5:15	0.118	0.81	0.18	0.00	63.47	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 5:30	0.117	0.80	0.18	0.00	63.47	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 5:45	0.116	0.79	0.18	0.00	63.48	0.00	1.15	0.00	0.66	29.85	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 6:00	0.115	0.79	0.18	0.00	63.48	0.00	1.15	0.00	0.66	29.85	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 6:15	0.115	0.78	0.18	0.00	63.49	0.00	1.15	0.00	0.66	29.85	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 6:30	0.113	0.77	0.18	0.00	63.49	0.00	1.15	0.00	0.66	29.85	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 6:45	0.111	0.76	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 7:00	0.110	0.75	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 7:15	0.111	0.76	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 7:30	0.111	0.75	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 7:45	0.111	0.75	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 8:00	0.111	0.76	0.18	0.00	63.50	0.00	1.15	0.00	0.66	29.86	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 8:15	0.113	0.77	0.18	0.00	63.49	0.00	1.15	0.00	0.66	29.85	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 8:30	0.118	0.80	0.18	0.00	63.47	0.00	1.15	0.00	0.66	29.84	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29
4/6/2025 8:45	0.124	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 9:00	0.127	0.86	0.18	0.00	63.43	0.00	1.14	0.00	0.66	29.82	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 9:15	0.142	0.97	0.18	0.00	63.37	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 9:30	0.145	0.99	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 9:45	0.142	0.97	0.18	0.00	63.37	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 10:00	0.144	0.98	0.18	0.00	63.36	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 10:15	0.137	0.94	0.18	0.00	63.39	0.00	1.14	0.00	0.66	29.80	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29
4/6/2025 10:30	0.141	0.96	0.18	0.00	63.37	0.00	1.14	0.00	0.66	29.80	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 10:45	0.158	1.08	0.18	0.00	63.30	0.00	1.14	0.00	0.66	29.76	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 11:00	0.146	1.00	0.18	0.00	63.35	0.00	1.14	0.00	0.66	29.79	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 11:15	0.155	1.06	0.18	0.00	63.31	0.00	1.14	0.00	0.66	29.77	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 11:30	0.161	1.10	0.18	0.00	63.29	0.00	1.14	0.00	0.66	29.76	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 11:45	0.157	1.07	0.18	0.00	63.30	0.00	1.14	0.00	0.66	29.76	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 12:00	0.155	1.06	0.18	0.00	63.31	0.00	1.14	0.00	0.66	29.77	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 12:15	0.166	1.13	0.18	0.00	63.27	0.00	1.14	0.00	0.66	29.75	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 12:30	0.161	1.10	0.18	0.00	63.29	0.00	1.14	0.00	0.66	29.76	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 12:45	0.168	1.14	0.18	0.00	63.26	0.00	1.14	0.00	0.66	29.74	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 13:00	0.163	1.11	0.18	0.00	63.28	0.00	1.14	0.00	0.66	29.75	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 13:15	0.175	1.20	0.18	0.00	63.23	0.00	1.14	0.00	0.66	29.73	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 13:30	0.180	1.23	0.18	0.00	63.21	0.00	1.14	0.00	0.66	29.72	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 13:45	0.166	1.14	0.18	0.00	63.26	0.00	1.14	0.00	0.66	29.74	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29
4/6/2025 14:00	0.166	1.13	0.18	0.00	63.27	0.00	1.14	0.00	0.66	29.75	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29

	Property Calculations						ZTOF								36Inch Flare								24Inch Flare								Pit Flare							
	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/4/2025 17:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176168	4193	88326	759	0.08	7.33																								7.33
4/4/2025 17:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176132	4193	88326	759	0.08	7.33																								7.33
4/4/2025 18:00	0.04	1137	9.76	47.57	337.8	400	1	4529	176125	4193	88326	759	0.08	7.33																								7.33
4/4/2025 18:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176156	4193	88326	759	0.08	7.33																								7.33
4/4/2025 18:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176157	4193	88326	759	0.08	7.33																								7.33
4/4/2025 18:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176148	4193	88326	759	0.08	7.33																								7.33
4/4/2025 19:00	0.04	1137	9.76	47.57	337.8	400	1	4529	176155	4193	88326	759	0.08	7.33																								7.33
4/4/2025 19:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176165	4193	88326	759	0.08	7.33																								7.33
4/4/2025 19:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176178	4193	88326	759	0.08	7.33																								7.33
4/4/2025 19:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176167	4193	88326	759	0.08	7.33																								7.33
4/4/2025 20:00	0.04	1137	9.76	47.57	337.8	400	1	4529	176136	4193	88326	759	0.08	7.33																								7.33
4/4/2025 20:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176112	4193	88326	759	0.08	7.33																								7.33
4/4/2025 20:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176119	4193	88326	759	0.08	7.33																								7.33
4/4/2025 20:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176081	4193	88326	758	0.08	7.32																								7.32
4/4/2025 21:00	0.04	1137	9.76	47.57	337.8	400	1	4529	176072	4193	88326	758	0.08	7.32																								7.32
4/4/2025 21:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176118	4193	88326	759	0.08	7.33																								7.33
4/4/2025 21:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176184	4193	88326	759	0.08	7.33																								7.33
4/4/2025 21:45	0.04	1138	9.76	47.57	337.8	400	1	4529	176214	4193	88326	759	0.08	7.34																								7.34
4/4/2025 22:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176230	4193	88326	759	0.08	7.34																								7.34
4/4/2025 22:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176232	4193	88326	759	0.08	7.34																								7.34
4/4/2025 22:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176237	4193	88326	759	0.08	7.34																								7.34
4/4/2025 22:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176242	4193	88326	759	0.08	7.34																								7.34
4/4/2025 23:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176246	4193	88326	759	0.08	7.34																								7.34
4/4/2025 23:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176255	4193	88326	760	0.08	7.34																								7.34
4/4/2025 23:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176263	4193	88326	760	0.08	7.34																								7.34
4/4/2025 23:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176262	4193	88326	760	0.08	7.34																								7.34
4/5/2025 0:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176264	4193	88326	760	0.08	7.34																								7.34
4/5/2025 0:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176257	4193	88326	760	0.08	7.34																								7.34
4/5/2025 0:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176261	4193	88326	760	0.08	7.34																								7.34
4/5/2025 0:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176261	4193	88326	760	0.08	7.34																								7.34
4/5/2025 1:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176249	4193	88326	759	0.08	7.34																								7.34
4/5/2025 1:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176245	4193	88326	759	0.08	7.34																								7.34
4/5/2025 1:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176246	4193	88326	759	0.08	7.34																								7.34
4/5/2025 1:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176266	4193	88326	760	0.08	7.34																								7.34
4/5/2025 2:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176282	4193	88326	760	0.08	7.34																								7.34
4/5/2025 2:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176283	4193	88326	760	0.08	7.34																								7.34
4/5/2025 2:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176278	4193	88326	760	0.08	7.34																								7.34
4/5/2025 2:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176310	4193	88326	760	0.08	7.34																								7.34
4/5/2025 3:00	0.04	1139	9.75	47.57	337.8	400	1	4529	176399	4193	88326	760	0.08	7.35																								7.35
4/5/2025 3:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176338	4193	88326	760	0.08	7.35																								7.35
4/5/2025 3:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176334	4193	88326	760	0.08	7.35																								7.35
4/5/2025 3:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176351	4193	88326	760	0.08	7.35																								7.35
4/5/2025 4:00	0.04	1139	9.75	47.57	337.8	400	1	4529	176326	4193	88326	760	0.08	7.35																								7.35
4/5/2025 4:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176337	4193	88326	760	0.08	7.35																								7.35
4/5/2025 4:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176344	4193	88326	760	0.08	7.35																								7.35
4/5/2025 4:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176350	4193	88326	760	0.08	7.35																								7.35
4/5/2025 5:00	0.04	1139	9.75	47.57	337.8	400	1	4529	176362	4193	88326	760	0.08	7.35																								7.35
4/5/2025 5:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176351	4193	88326	760	0.08	7.35																								7.35
4/5/2025 5:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176351	4193	88326	760	0.08	7.35																								7.35
4/5/2025 5:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176352	4193	88326	760	0.08	7.35																								7.35
4/5/2025 6:00	0.04	1139	9.74	47.57	337.8	400	1	4529	176407	4193	88326	760	0.08	7.35																								7.35
4/5/2025 6:15	0.04	1139	9.74	47.57	337.8	400	1	4529	176432	4193	88326	761	0.08	7.35																								7.35
4/5/2025 6:30	0.04	1139	9.74	47.57	337.8	400	1	4529	176436	4193	88326	761	0.08	7.36																								7.36
4/5/2025 6:45	0.04	1139	9.74	47.57	337.8	400	1	4529	176436	4193	88326	761	0.08	7.36																								7.36
4/5/2025 7:00	0.04	1139	9.74	47.57	337.8	400	1	4529	176433	4193	88326	761	0.08	7.36																								7.36
4/5/2025 7:15	0.04	1139	9.74	47.57	337.8	400	1	4529	176431	4193	88326	761	0.08	7.35																								7.35
4/5/2025 7:30	0.04	1139	9.74	47.57	337.8	400	1	4529	176422	4193	88326	761	0.08	7.35																								7.35
4/5/2025 7:45	0.04	1139	9.74	47.57	337.8	400	1	4529	176414	4193	88326	761	0.08	7.35																								7.35
4/5/2025 8:00	0.04	1139	9.74	47.57	337.8	400	1	4529	176407	4193	88326	760	0.08	7.35																								7.35
4/5/2025 8:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176401	4193	88326	760	0.08	7.35																								7.35
4/5/2025 8:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176393	4193	88326	760	0.08	7.35																								7.35
4/5/2025 8:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176378	4193	88326	760	0.08	7.35																								7.35
4/5/2025 9:00	0.04	1139	9.75	47.57	337.8	400	1	4529	176373	4193	88326	760	0.08	7.35																								7.35
4/5/2025 9:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176364	4193	88326	760	0.08	7.35																								7.35
4/5/2025 9:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176356	4193	88326	760	0.08	7.35																								7.35
4/5/2025 9:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176348	4193	88326	760	0.08	7.35																								7.35
4/5/2025 10:00	0.04	1139	9.75	47.57	337.8	400	1	4529	176333	4193	88326	760	0.08	7.35																								7.35
4/5/2025 10:15	0.04	1139	9.75	47.57	337.8	400	1	4529	176328	4193	88326	760	0.08	7.35																								7.35
4/5/2025 10:30	0.04	1139	9.75	47.57	337.8	400	1	4529	176332	4193	88326	760	0.08	7.35																								7.35
4/5/2025 10:45	0.04	1139	9.75	47.57	337.8	400	1	4529	176330	4193	88326	760	0.08	7.35																								7.35
4/5/2025 11:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176319	4193	88326	760	0.08	7.34																								7.34
4/5/2025 11:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176315	4193	88326	760	0.08	7.34																								7.34
4/5/2025 11:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176294	4193	88326	760	0.08	7.34																								7.34
4/5/2025 11:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176304	4193	88326	760	0.08	7.34																								7.34
4/5/2025 12:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176297	4193	88326	760	0.08	7.34																								7.34
4/5/2025 12:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176254	4193	88326	760	0.08	7.34																								7.34
4/5/2025 12:30	0.04	1138	9.75	47.57	337.8	400	1	4529	176277	4193	88326	760	0.08	7.34																								7.34
4/5/2025 12:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176265	4193	88326	760	0.08	7.34																								7.34
4/5/2025 13:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176257	4193	88326	760	0.08	7.34																								7.34
4/5/2025 13:15	0.04	1138	9.76	47.57	337.8	400	1	4529	176203	4193	88326	759	0.08	7.33																								7.33
4/5/2025 13:30	0.04	1138	9.76	47.57	337.8	400	1	4529	176204	4193	88326	759	0.08	7.33																								7.33
4/5/2025 13:45	0.04	1138	9.75	47.57	337.8	400	1	4529	176248	4193	88326	759	0.08	7.34																								7.34
4/5/2025 14:00	0.04	1138	9.75	47.57	337.8	400	1	4529	176264	4193	88326	760	0.08	7.34																								7.34
4/5/2025 14:15	0.04	1138	9.75	47.57	337.8	400	1	4529	176227	4193	88326	759	0.08	7.34																								7.34
4/5/2025 14:30	0.04	1138	9.76	47.57	337.8	400	1	4529	176202	4193	88326	759	0.08	7.33																								7.33
4/5/2025 14:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176150	4193	88326	759	0.08	7.33																								7.33
4/5/2025 15:00	0.04	1137	9.76	47.57	337.8	400	1	4529	176121	4193	88326	759	0.08	7.33																								7.33
4/5/2025 15:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176169	4193	88326	759	0.08	7.33																								7.33
4/5/2025 15:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176117	4193	88326	759	0.08	7.33																								7.33
4/5/2025 15:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176063	4193	88326	758	0.08	7.32																								7.32
4/5/2025 16:00	0.04	1136	9.76	47.57	337.8	400	1	4529	176048	4193	88326	758	0.08	7.32																								7.32
4/5/2025 16:15	0.04	1137	9.76	47.57	337.8	400	1	4529	176079	4193	88326	758	0.08	7.32																								7.32
4/5/2025 16:30	0.04	1137	9.76	47.57	337.8	400	1	4529	176121	4193	88326	759	0.08	7.33																								7.33
4/5/2025 16:45	0.04	1137	9.76	47.57	337.8	400	1	4529	176083	4193	88326	758	0.08	7.32																								7.32
4/5/2025 17:00	0.04	1136	9.77	47.57	337.8	400	1	4529	175946	4193	88326	758	0.08	7.31																								7.31
4/5/2025 17:15	0.04	1134	9.78	47.57	337.8	400	1	4529	175727	4193	88326	756	0.08	7.29																								7.29
4/5/2025 17:30	0.04	1134	9.78	47.57	337.8	400	1	4529	175740	4193	88326	756	0.08	7.29																								7.29
4/5/2025 17:45	0.04	1134	9.78	47.57	337.8	400	1	4529	175737	4193	88326	756	0.08	7.29																								7.29
4/5/2025 18:00	0.04	1134	9.78	47.57	337.8	400	1	4529	175754	4193	88326	756	0.08	7.29																								7.29
4/5/2025 18:15	0.04	1134	9.78	47.57	337.8	400	1	4529	175775	4193	88326	757	0.08	7.30																								7.30
4/5/2025 18:30	0.04	1135	9.78	47.57	337.8	400	1	4529	175794	4193	88326	757	0.08	7.30																								7.30
4/5/2025 18:45	0.04	1135	9.78	47.57	337.8	400	1	4529	175784	4193	88326	757	0.08	7.30																								7.30
4/5/2025 19:00	0.04	1134	9.79	47.57	337.8	400	1	4529	175667	4193	88326	756	0.08	7.29																								7.29
4/5/2025 19:15	0.04	1134	9.78	47.57	337.8	400	1	4529	175714	4193	88326	756	0.08	7.29																								7.29
4/5/2025 19:30	0.04	1134	9.78	47.57	337.8	400	1	4529	175743	4193	88326	756	0.08	7.29																								7.29
4/5/2025 19:45	0.04	1134	9.78	47.57	337.8	400	1	4529	175769	4193	88326	756	0.08	7.30																								7.30
4/5/2025 20:00	0.04	1135	9.78	47.57	337.8	400	1	4529	175796	4193	88326	757	0.08	7.30																								7.30
4/5/2025 20:15	0.04	1135	9.78	47.57	337.8	400	1	4529	175832	4193	88326	757	0.08	7.30																								7.30
4/5/2025 20:30	0.04	1135	9.77	47.57	337.8	400	1	4529	175883	4193	88326	757	0.08	7.31																								7.31
4/5/2025 20:45	0.04	1135	9.77	47.57	337.8	400	1	4529	175903	4193	88326	757	0.08	7.31																								7.31
4/5/2025 21:00	0.04	1135	9.77	47.57	337.8	400	1	4529	175914	4193	88326	757	0.08	7.31																								7.31
4/5/2025 21:15	0.04	1136	9.77	47.57	337.8	400	1	4529	175929	4193	88326	757	0.08	7.31																								7.31
4/5/2025 21:30	0.04	1136	9.77	47.57	337.8	400	1	4529	175954	4193	88326	758	0.08	7.31																								7.31
4/5/2025 21:45	0.04	1136	9.77	47.57	337.8	400	1	4529	175974	4193	88326	758	0.08	7.31																								7.31
4/5/2025 22:00	0.04	1136	9.77	47.57	337.8	400	1	4529	175958	4193	88326	758	0.08	7.31																								7.31
4/5/2025 22:15	0.04	1136	9.77	47.57	337.8	400	1	4529	175982	4193	88326	758	0.08	7.32																								7.32
4/5/2025 22:30	0.04	1136	9.77	47.57	337.8	400	1	4529	175998	4193	88326	758	0.08	7.32																								7.32
4/5/2025 22:45	0.04	1136	9.77	47.57	337.8	400	1	4529	175984	4193	88326	758	0.08	7.32																								7.32
4/5/2025 23:00	0.04	1136	9.77	47.57	337.8	400	1	4529	176011	4193	88326	758	0.08	7.32																								7.32
4/5/2025 23:15	0.04	1136	9.77	47.57	337.8	400	1	4529	176018	4193	88326	758	0.08	7.32																								7.32
4/5/2025 23:30	0.04	1136	9.76	47.57	337.8	400	1	4529	176046	4193	88326	758	0.08	7.32																								7.32
4/5/2025 23:45	0.04	1136	9.76	47.57	337.8	400	1	4529	176050	4193	88326	758	0.08	7.32																								7.32
4/6/2025 0:00	0.04	1131	8.81	47.67	338.5	400	1	4529	195168	4193	88326	780	0.08	6.74																								6.74
4/6/2025 0:15	0.04	1131	8.81	47.67	338.5	400	1	4529	195183	4193	88326	780	0.08	6.74																								6.74
4/6/2025 0:30	0.04	1131	8.81	47.67	338.5	400	1	4529	195179	4193	88326	780	0.08	6.74																								6.74
4/6/2025 0:45	0.04	1132	8.81	47.67	338.5	400	1	4529	195191	4193	88326	780	0.08	6.75																								6.75
4/6/2025 1:00	0.04	1132	8.81	47.67	338.5	400	1	4529	195225	4193	88326	780	0.08	6.75																								6.75
4/6/2025 1:15	0.04	1132	8.80	47.67	338.5	400	1	4529	195261	4193	88326	781	0.08	6.75																								6.75
4/6/2025 1:30	0.04	1132	8.80	47.67	338.5	400	1	4529	195292	4193	88326	781	0.08	6.75																								6.75
4/6/2025 1:45	0.04	1132	8.80	47.67	338.5	400	1	4529	195340	4193	88326	781	0.08	6.76																								6.76
4/6/2025 2:00	0.04	1133	8.80	47.67	338.5	400	1	4529	195378	4193	88326	781	0.08	6.76																								6.76
4/6/2025 2:15	0.04	1133	8.80	47.67	338.5	400	1	4529	195400	4193	88326	781	0.08	6.76																								6.76
4/6/2025 2:30	0.04	1133	8.80	47.67	338.5	400	1	4529	195433	4193	88326	781	0.08	6.76																								6.76
4/6/2025 2:45	0.04	1133	8.80	47.67	338.5	400	1	4529	195457	4193	88326	782	0.08	6.76																								6.76
4/6/2025 3:00	0.04	1133	8.79	47.67	338.5	400	1	4529	195490	4193	88326	782	0.08	6.77																								6.77
4/6/2025 3:15	0.04	1133	8.79	47.67	338.5	400	1	4529	195509	4193	88326	782	0.08	6.77																								6.77
4/6/2025 3:30	0.04	1133	8.79	47.67	338.5	400	1	4529	195542	4193	88326	782	0.08	6.77																								6.77
4/6/2025 3:45	0.04	1134	8.79	47.67	338.5	400	1	4529	195565	4193	88326	782	0.08	6.77																								6.77
4/6/2025 4:00	0.04	1134	8.79	47.67	338.5	400	1	4529	195562	4193	88326	782	0.08	6.77																								6.77
4/6/2025 4:15	0.04	1134	8.79	47.67	338.5	400	1	4529	195563	4193	88326	782	0.08	6.77																								6.77
4/6/2025 4:30	0.04	1134	8.79	47.67	338.5	400	1	4529	195562	4193	88326	782	0.08	6.77																								6.77
4/6/2025 4:45	0.04	1133	8.79	47.67	338.5	400	1	4529	195556	4193	88326	782	0.08	6.77																								6.77
4/6/2025 5:00	0.04	1134	8.79	47.67	338.5	400	1	4529	195572	4193	88326	782	0.08	6.77																								6.77
4/6/2025 5:15	0.04	1134	8.79	47.67	338.5	400	1	4529	195584	4193	88326	782	0.08	6.77																								6.77
4/6/2025 5:30	0.04	1134	8.79	47.67	338.5	400	1	4529	195600	4193	88326	782	0.08	6.77																								6.77
4/6/2025 5:45	0.04	1134	8.79	47.67	338.5	400	1	4529	195615	4193	88326	782	0.08	6.77																								6.77
4/6/2025 6:00	0.04	1134	8.79	47.67	338.5	400	1	4529	195629	4193	88326	782	0.08	6.77																								6.77
4/6/2025 6:15	0.04	1134	8.79	47.67	338.5	400	1	4529	195636	4193	88326	782	0.08	6.77																								6.77
4/6/2025 6:30	0.04	1134	8.79	47.67	338.5	400	1	4529	195660	4193	88326	782	0.08	6.78																								6.78
4/6/2025 6:45	0.04	1134	8.78	47.67	338.5	400	1	4529	195685	4193	88326	783	0.08	6.78																								6.78
4/6/2025 7:00	0.04	1134	8.78	47.67	338.5	400	1	4529	195696	4193	88326	783	0.08	6.78																								6.78
4/6/2025 7:15	0.04	1134	8.78	47.67	338.5	400	1	4529	195692	4193	88326	783	0.08	6.78																								6.78
4/6/2025 7:30	0.04	1134	8.78	47.67	338.5	400	1	4529	195694	4193	88326	783	0.08	6.78																								6.78
4/6/2025 7:45	0.04	1134	8.78	47.67	338.5	400	1	4529	195695	4193	88326	783	0.08	6.78																								6.78
4/6/2025 8:00	0.04	1134	8.78	47.67	338.5	400	1	4529	195692	4193	88326	783	0.08	6.78																								6.78
4/6/2025 8:15	0.04	1134	8.79	47.67	338.5	400	1	4529	195657	4193	88326	782	0.08	6.78																								6.78
4/6/2025 8:30	0.04	1134	8.79	47.67	338.5	400	1	4529	195591	4193	88326	782	0.08	6.77																								6.77
4/6/2025 8:45	0.04	1133	8.79	47.67	338.5	400	1	4529	195496	4193	88326	782	0.08	6.77																								6.77
4/6/2025 9:00	0.04	1133	8.79	47.67	338.5	400	1	4529	195464	4193	88326	782	0.08	6.76																								6.76
4/6/2025 9:15	0.04	1132	8.80	47.67	338.5	400	1	4529	195239	4193	88326	780	0.08	6.75																								6.75
4/6/2025 9:30	0.04	1132	8.81	47.67	338.5	400	1	4529	195196	4193	88326	780	0.08	6.75																								6.75
4/6/2025 9:45	0.04	1132	8.80	47.67	338.5	400	1	4529	195251	4193	88326	780	0.08	6.75																								6.75
4/6/2025 10:00	0.04	1132	8.81	47.67	338.5	400	1	4529	195217	4193	88326	780	0.08	6.75																								6.75
4/6/2025 10:15	0.04	1132	8.80	47.67	338.5	400	1	4529	195314	4193	88326	781	0.08	6.75																								6.75
4/6/2025 10:30	0.04	1132	8.80	47.67	338.5	400	1	4529	195265	4193	88326	781	0.08	6.75																								6.75
4/6/2025 10:45	0.04	1131	8.82	47.67	338.5	400	1	4529	195012	4193	88326	779	0.08	6.73																								6.73
4/6/2025 11:00	0.04	1131	8.81	47.67	338.5	400	1	4529	195183	4193	88326	780	0.08	6.74																								6.74
4/6/2025 11:15	0.04	1131	8.81	47.67	338.5	400	1	4529	195059	4193	88326	780	0.08	6.74																								6.74
4/6/2025 11:30	0.04	1130	8.82	47.67	338.5	400	1	4529	194969	4193	88326	779	0.08	6.73																								6.73
4/6/2025 11:45	0.04	1131	8.81	47.67	338.5	400	1	4529	195029	4193	88326	779	0.08	6.73																								6.73
4/6/2025 12:00	0.04	1131	8.81	47.67	338.5	400	1	4529	195063	4193	88326	780	0.08	6.74																								6.74
4/6/2025 12:15	0.04	1130	8.82	47.67	338.5	400	1	4529	194903	4193	88326	779	0.08	6.73																								6.73
4/6/2025 12:30	0.04	1130	8.82	47.67	338.5	400	1	4529	194968	4193	88326	779	0.08	6.73																								6.73
4/6/2025 12:45	0.04	1130	8.82	47.67	338.5	400	1	4529	194879	4193	88326	779	0.08	6.72																								6.72
4/6/2025 13:00	0.04	1130	8.82	47.67	338.5	400	1	4529	194938	4193	88326	779	0.08	6.73																								6.73
4/6/2025 13:15	0.04	1129	8.83	47.67	338.5	400	1	4529	194767	4193	88326	778	0.08	6.72																								6.72
4/6/2025 13:30	0.04	1129	8.83	47.67	338.5	400	1	4529	194698	4193	88326	778	0.08	6.71																								6.71
4/6/2025 13:45	0.04	1130	8.82	47.67	338.5	400	1	4529	194894	4193	88326	779	0.08	6.73																								6.73
4/6/2025 14:00	0.04	1130	8.82	47.67	338.5	400	1	4529	194902	4193	88326	779	0.08	6.73																								6.73

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

	Historian Data														Calculated Data – Flare Gas Composition									
	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %
4/6/2025 14:15	-0.04	1.36	100.0	24.01	3.21	29.95	705	779	718	-5.00	1112	1095	-5	47.0	0.159	1.09	0.18	0.00	63.29	0.00	1.14	0.00	0.66	29.76
4/6/2025 14:30	-0.04	1.35	100.0	49.25	2.90	30.01	720	774	724	-5.00	1116	1056	-5	50.0	0.178	1.21	0.18	0.00	63.22	0.00	1.14	0.00	0.66	29.72
4/6/2025 14:45	-0.04	1.35	100.0	40.00	2.47	29.72	720	781	722	-5.00	1075	1097	-5	48.0	0.165	1.13	0.18	0.00	63.27	0.00	1.14	0.00	0.66	29.75
4/6/2025 15:00	-0.04	1.35	100.0	20.56	2.03	29.74	709	784	718	-5.00	1062	1095	-5	46.9	0.158	1.08	0.18	0.00	63.30	0.00	1.14	0.00	0.66	29.76
4/6/2025 15:15	-0.04	1.35	100.0	24.03	2.77	29.66	758	772	733	-5.00	1032	1103	-5	46.6	0.157	1.07	0.18	0.00	63.30	0.00	1.14	0.00	0.66	29.76
4/6/2025 15:30	-0.04	1.35	100.0	22.83	2.99	30.04	759	770	730	-5.00	939	1111	-5	45.2	0.149	1.01	0.18	0.00	63.34	0.00	1.14	0.00	0.66	29.78
4/6/2025 15:45	-0.04	1.35	100.0	22.90	2.53	29.41	765	765	752	-5.00	933	1116	-5	43.7	0.140	0.96	0.18	0.00	63.38	0.00	1.14	0.00	0.66	29.80
4/6/2025 16:00	-0.04	1.35	100.0	29.63	2.42	30.25	757	756	714	-5.00	891	1116	-5	42.9	0.136	0.93	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81
4/6/2025 16:15	-0.04	1.34	100.0	25.28	2.00	30.12	757	752	709	-5.00	896	1113	-5	42.7	0.135	0.92	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81
4/6/2025 16:30	-0.04	1.34	100.0	27.25	2.89	30.17	759	755	729	-5.00	890	1142	-5	43.4	0.138	0.94	0.18	0.00	63.38	0.00	1.14	0.00	0.66	29.80
4/6/2025 16:45	-0.04	1.34	100.0	15.94	2.41	29.67	768	737	694	-5.00	932	1103	-5	42.9	0.136	0.93	0.18	0.00	63.39	0.00	1.14	0.00	0.66	29.81
4/6/2025 17:00	-0.04	1.34	100.0	26.46	1.86	29.81	760	761	699	-5.00	923	1101	-5	42.6	0.134	0.92	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81
4/6/2025 17:15	-0.04	1.34	100.0	27.28	2.08	29.49	765	766	697	-5.00	942	1104	-5	42.9	0.136	0.93	0.18	0.00	63.39	0.00	1.14	0.00	0.66	29.81
4/6/2025 17:30	-0.04	1.34	100.0	28.98	2.17	30.17	752	769	684	-5.00	935	1100	-5	42.3	0.133	0.90	0.18	0.00	63.41	0.00	1.14	0.00	0.66	29.81
4/6/2025 17:45	-0.04	1.34	100.0	32.35	2.22	29.70	763	789	726	-5.00	934	1105	-5	42.5	0.134	0.91	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81
4/6/2025 18:00	-0.04	1.34	100.0	25.64	2.38	29.95	770	763	673	-5.00	947	1101	-5	42.6	0.134	0.92	0.18	0.00	63.40	0.00	1.14	0.00	0.66	29.81
4/6/2025 18:15	-0.04	1.33	100.0	27.14	2.54	30.22	763	778	664	-5.00	961	1103	-5	41.7	0.130	0.89	0.18	0.00	63.42	0.00	1.14	0.00	0.66	29.82
4/6/2025 18:30	-0.03	1.34	100.0	44.88	2.34	29.29	779	761	688	-5.00	969	1105	-5	41.2	0.127	0.87	0.18	0.00	63.43	0.00	1.14	0.00	0.66	29.82
4/6/2025 18:45	-0.03	1.33	100.0	34.83	2.02	29.15	781	764	694	-5.00	978	1118	-5	40.8	0.125	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83
4/6/2025 19:00	-0.03	1.33	100.0	43.65	3.18	29.91	781	758	731	-5.00	993	1135	-5	40.5	0.124	0.84	0.18	0.00	63.45	0.00	1.15	0.00	0.66	29.83
4/6/2025 19:15	-0.03	1.34	100.0	19.91	2.06	29.47	761	774	764	-5.00	1029	1167	-5	40.8	0.125	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83
4/6/2025 19:30	-0.03	1.34	100.0	11.22	2.51	29.86	786	791	766	-5.00	1037	1156	-5	40.4	0.123	0.84	0.18	0.00	63.45	0.00	1.15	0.00	0.66	29.83
4/6/2025 19:45	-0.03	1.34	100.0	44.20	2.84	29.68	774	801	720	-5.00	995	1129	-5	40.7	0.125	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83
4/6/2025 20:00	-0.03	1.34	100.0	43.49	2.46	29.54	773	792	680	-5.00	996	1129	-5	40.6	0.124	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83
4/6/2025 20:15	-0.03	1.33	100.0	21.76	2.04	29.25	769	776	690	-5.00	1013	1133	-5	40.6	0.124	0.85	0.18	0.00	63.44	0.00	1.15	0.00	0.66	29.83
4/6/2025 20:30	-0.03	1.33	100.0	28.17	2.00	29.59	778	785	684	-5.00	1022	1135	-5	40.2	0.122	0.83	0.18	0.00	63.45	0.00	1.15	0.00	0.66	29.83
4/6/2025 20:45	-0.03	1.33	100.0	24.43	2.09	29.48	789	781	717	-5.00	1062	1171	-5	40.0	0.121	0.83	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 21:00	-0.03	1.33	100.0	24.16	2.43	28.99	769	784	817	-5.00	1087	1188	-5	40.0	0.121	0.83	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 21:15	-0.03	1.33	100.0	21.37	2.70	29.65	727	802	835	-5.00	1079	1185	-5	39.9	0.121	0.83	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 21:30	-0.03	1.33	100.0	36.38	2.43	29.05	701	791	810	-5.00	1044	1176	-5	39.8	0.121	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 21:45	-0.03	1.33	100.0	35.88	2.99	28.72	712	785	788	-5.00	1043	1157	-5	39.9	0.121	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 22:00	-0.03	1.33	100.0	30.21	2.02	29.55	717	788	755	-5.00	1045	1142	-5	39.8	0.121	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 22:15	-0.03	1.33	100.0	14.21	1.93	29.81	720	784	784	-5.00	1046	1142	-5	39.6	0.120	0.82	0.18	0.00	63.46	0.00	1.15	0.00	0.66	29.84
4/6/2025 22:30	-0.03	1.33	100.0	46.34	3.12	29.05	724	783	792	-5.00	1050	1148	-5	39.2	0.118	0.80	0.18	0.00	63.47	0.00	1.15	0.00	0.66	29.84
4/6/2025 22:45	-0.03	1.33	100.0	29.27	1.91	29.68	707	782	784	-5.00	1041	1162	-5	38.7	0.116	0.79	0.18	0.00	63.48	0.00	1.15	0.00	0.66	29.85
4/6/2025 23:00	-0.03	1.34	100.0	41.16	2.93	29.40	741	767	770	-5.00	1029	1181	-5	38.8	0.116	0.79	0.18	0.00	63.48	0.00	1.15	0.00	0.66	29.85
4/6/2025 23:15	-0.03	1.34	100.0	26.41	1.67	29.29	764	786	710	-5.00	1016	1166	-5	38.7	0.115	0.79	0.18	0.00	63.48	0.00	1.15	0.00	0.66	29.85
4/6/2025 23:30	-0.03	1.34	100.0	29.10	3.14	29.52	762	770	691	-5.00	1018	1133	-5	38.4	0.114	0.78	0.18	0.00	63.49	0.00	1.15	0.00	0.66	29.85
4/6/2025 23:45	-0.04	1.34	100.0	58.05	3.03	28.63	770	778	705	-5.00	1038	1134	-5	38.5	0.115	0.78	0.18	0.00	63.49	0.00	1.15	0.00	0.66	29.85
4/7/2025 0:00	-0.04	1.34	100.0	28.98	3.53	29.03	755	785	770	-5.00	1077	1166	-5	37.8	0.112	0.76	0.15	0.00	56.40	0.00	5.23	0.00	0.82	31.79
4/7/2025 0:15	-0.04	1.34	100.0	29.96	1.92	29.07	775	783	770	-5.00	1085	1189	-5	37.9	0.112	0.76	0.15	0.00	56.40	0.00	5.23	0.00	0.82	31.79
4/7/2025 0:30	-0.04	1.34	100.0	16.58	2.32	28.47	770	794	791	-5.00	1094	1202	-5	37.4	0.110	0.75	0.15	0.00	56.41	0.00	5.24	0.00	0.82	31.79
4/7/2025 0:45	-0.04	1.35	100.0	20.06	2.24	29.34	773	802	807	-5.00	1095	1197	-5	37.2	0.109	0.74	0.15	0.00	56.42	0.00	5.24	0.00	0.82	31.80
4/7/2025 1:00	-0.04	1.35	100.0	37.58	2.66	28.80	809	764	776	-5.00	1090	1168	-5	38.2	0.113	0.77	0.15	0.00	56.40	0.00	5.23	0.00	0.82	31.79
4/7/2025 1:15	-0.04	1.35	100.0	43.39	1.94	28.87	812	726	779	-5.00	1087	1118	-5	38.5	0.114	0.78	0.15	0.00	56.39	0.00	5.23	0.00	0.82	31.78
4/7/2025 1:30	-0.04	1.35	100.0	33.85	2.82	28.87	820	700	764	-5.00	1078	1114	-5	37.8	0.111	0.76	0.15	0.00	56.41	0.00	5.24	0.00	0.82	31.79
4/7/2025 1:45	-0.04	1.35	100.0	41.66	2.38	28.55	807	727	769	-5.00	1072	1137	-5	37.6	0.111	0.75	0.15	0.00	56.41	0.00	5.24	0.00	0.82	31.79
4/7/2025 2:00	-0.04	1.35	100.0	25.32	2.00	28.76	759	775	809	-5.00	1084	1185	-5	37.3	0.109	0.74	0.15	0.00	56.41	0.00	5.24	0.00	0.82	31.80
4/7/2025 2:15	-0.04	1.35	100.0	37.68	2.17	29.00	751	796	830	-5.00	1094	1197	-5	36.6	0.106	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.82	31.80
4/7/2025 2:30	-0.04	1.35	100.0	73.84	3.27	28.54	760	800	820	-5.00	1102	1203	-5	36.6	0.106	0.73	0.15	0.00	56.42	0.00	5.24	0.00	0.82	31.80
4/7/2025 2:45	-0.04	1.35	100.0	38.97	2.60	29.11	738	793	793	-5.00	1096	1197	-5	36.9	0.107	0.73	0.15	0.00	56.42	0.00	5.24	0.00	0.82	31.80
4/7/2025 3:00	-0.04	1.36	100.0	37.12	3.32	28.47	749	800	823	-5.00	1089	1190	-5	35.8	0.103	0.70	0.15	0.00	56.44	0.00	5.24	0.00	0.83	31.81
4/7/2025 3:15	-0.04	1.36	100.0	39.33	2.68	29.00	744	781	820	-5.00	1070	1181	-5	36.0	0.104	0.71	0.15	0.00	56.43	0.00	5.24	0.00	0.83	31.81
4/7/2025 3:30	-0.04	1.36	100.0	16.05	3.79	28.83	754	799	829	-5.00	1092	1193	-5	36.2	0.105	0.71	0.15	0.00	56.43	0.00	5.24	0.00	0.83	31.80
4/7/2025 3:45	-0.04	1.36	100.0	17.96	2.80	29.55	776	811	823	-5.00	1106	1204	-5	36.4	0.105	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.82	31.80
4/7/2025 4:00	-0.04	1.36	100.0	55.17	2.87	29.07	767	808	821	-5.00	1104	1202	-5	36.0	0.104	0.71	0.15	0.00	56.44	0.00	5.24	0.00	0.83	31.81
4/7/2025 4:15	-0.04	1.36	100.0	41.79	3.08	29.38	772	793	813	-5.00	1099	1197	-5	36.1	0.104	0.71	0.15	0.00	56.43	0.00	5.24	0.00	0.83	31.81
4/7/2025 4:30	-0.04	1.36	100.0	47.29	2.86	29.13	760	769	813	-5.00	1082	1185	-5	35.4	0.101	0.69	0.15	0.00	56.44	0.00	5.24	0.00	0.83	31.81
4/7/2025 4:45	-0.04	1.37	100.0	36.47	2.29	28.53	730	773	830	-5.00	1064	1176	-5	34.6	0.098	0.67	0.15	0.00	56.46	0.00	5.24	0.00	0.83	31.82
4/7/2025 5:00	-0.04	1.37	100.0	25.79	2.91	28.62	739	768	807	-5.00	1070	1177	-5	34.7	0.098	0.67	0.15	0.00	56.45	0.00	5.24	0.00	0.83	31.82
4/7/2025 5:15	-0.04	1.37	100.0	31.71	2.41	29.19	774	768	744	-5.00	1073	1176	-5	34.8	0.099	0.68	0.15	0.00	56.45	0.00	5.24	0.00	0.83	31.82
4/7/2025 5:30	-0.04	1.37	100.0	37.51	3.86	29.19	769	771	736	-5.00	1040	1161	-5	35.5	0.101	0.69	0.15	0.00	56.44	0.00	5.24	0.00	0.83	31.81
4/7/2025 5:45	-0.04	1.38	100.0	42.09	3.00	29.03	757	781	713	-5.00	1002	1139	-5	36.3	0.105	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.83	31.80
4/7/2025 6:00	-0.04	1.37	100.0	56.46	3.57	29.00	753	770	738	-5.00	999	1141	-5	36.3	0.105	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.82	31.80
4/7/2025 6:15	-0.04	1.38	100.0	42.65	4.22	29.49	761	770	759	-5.00	988	1165	-5	36.4	0.105	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.82	31.80
4/7/2025 6:30	-0.04	1.38	100.0	25.58	2.42	29.40	767	764	763	-5.00	979	1188	-5	36.6	0.106	0.72	0.15	0.00	56.43	0.00	5.24	0.00	0.82	31.80
4/7/2025 6:45	-0.04	1.38	100.0	47.29	4.12	29.25	769	733	754	-5.00	971	1167	-5	36.7	0.106	0.73	0.15	0.00	56.42	0.00	5.24	0.00	0.82	31.80
4/7/2025 7:00	-0.04	1.38	100.0	40.72	3.39	29.22	772	718	735	-5.00	965	1147	-5	37.9	0.112	0.76	0.15	0.00	56.40	0.00	5.23	0.00	0.82	31.79
4/7/2025 7:15	-0.04	1.38	100.0	22.18	2.23	29.26	763	733	736	-5.00	963	1160	-5	40.0	0.121	0.83	0.15	0.00	56.37	0.00	5.23	0.00	0.82	31.77
4/7/2025 7:30	-0.04	1.38	100.0	39.59	2.54	29.65	758	731	728	-5.00	963	1169	-5	41.8	0.130	0.89	0.15	0.00	56.33	0.00	5.23	0.00	0.82	31.75
4/7/2025 7:45	-0.04	1.39	100.0	25.25	3.05	29.75	755	732	717	-5.00	963	1162	-5	42.8	0.135	0.92	0.15	0.00	56.31	0.00	5.23	0.00	0.82	31.74
4/7/2025 8:00	-0.03	1.39	100.0	23.57	2.90	29.40	756	708	702	-5.00	964	1147	-5	44.3	0.144	0.98	0.15	0.00	56.28	0.00	5.22	0.00	0.82	31.72
4/7/2025 8:15	-0.03	1.39	100.0	31.26	3.13	29.92	758	702	703	-5.00	966	1139	-5	46.3	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 8:30	-0.03	1.39	100.0	37.81	2.55	29.58	756	715	708	-5.00	966	1130	-5	46.2	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 8:45	-0.03	1.39	100.0	29.31	2.71	29.48	757	710	708	-5.00	968	1119	-5	46.2	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 9:00	-0.03	1.39	100.0	46.04	2.94	29.18	763	706	704	-5.00	966	1112	-5	46.2	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 9:15	-0.03	1.40	100.0	29.62	2.64	29.62	765	698	708	-5.00	964	1107	-5	47.2	0.160	1.09	0.15	0.00	56.22	0.00	5.22	0.00	0.82	31.69
4/7/2025 9:30	-0.03	1.40	100.0	21.15	2.40	29.57	767	715	723	-5.00	968	1102	-5	46.3	0.155	1.06	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 9:45	-0.03	1.40	100.0	22.99	2.06	30.26	768	748	697	-5.00	973	1097	-5	44.3	0.144	0.98	0.15	0.00	56.28	0.00	5.22	0.00	0.82	31.72
4/7/2025 10:00	-0.03	1.40	100.0	29.26	2.29	30.16	756	765	662	-5.00	977	1096	-5	45.5	0.150	1.02	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 10:15	-0.03	1.40	100.0	48.59	3.19	29.62	734	806	662	-5.00	987	1094	-5	45.5	0.150	1.02	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 10:30	-0.04	1.40	100.0	46.75	2.89	30.21	727	802	650	-5.00	978	1092	-5	45.3	0.149	1.02	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 10:45	-0.04	1.40	100.0	37.53	2.93	30.59	738	792	629	-5.00	995	1097	-5	46.1	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 11:00	-0.04	1.40	100.0	28.81	2.08	30.53	741	764	652	-5.00	1015	1092	-5	46.5	0.156	1.06	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.69
4/7/2025 11:15	-0.04	1.40	100.0	34.02	2.87	31.24	741	760	700	-5.00	1010	1103	-5	47.2	0.160	1.09	0.15	0.00	56.22	0.00	5.22	0.00	0.82	31.69
4/7/2025 11:30	-0.04	1.40	100.0	34.46	2.76	29.93	752	733	732	-5.00	989	1092	-5	46.3	0.155	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 11:45	-0.04	1.40	100.0	23.27	3.16	30.11	754	738	726	-5.00	986	1091	-5	46.5	0.156	1.06	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.69
4/7/2025 12:00	-0.04	1.40	100.0	40.04	3.39	30.34	757	724	721	-5.00	982	1087	-5	48.1	0.166	1.13	0.15	0.00	56.20	0.00	5.22	0.00	0.82	31.67
4/7/2025 12:15	-0.04	1.40	100.0	48.47	3.19	30.02	763	720	722	-5.00	968	1106	-5	48.9	0.171	1.16	0.15	0.00	56.18	0.00	5.21	0.00	0.82	31.66
4/7/2025 12:30	-0.04	1.40	100.0	34.43	3.12	30.22	763	740	729	-5.00	964	1117	-5	46.7	0.157	1.07	0.15	0.00	56.23	0.00	5.22	0.00	0.82	31.69
4/7/2025 12:45	-0.04	1.40	100.0	34.81	2.06	31.26	760	751	741	-5.00	980	1118	-5	46.2	0.154	1.05	0.15	0.00	56.24	0.00	5.22	0.00	0.82	31.70
4/7/2025 13:00	-0.04	1.40	100.0	40.85	2.72	30.99	768	733	726	-5.00	965	1121	-5	45.8	0.152	1.04	0.15	0.00	56.25	0.00	5.22	0.00	0.82	31.70
4/7/2025 13:15	-0.04	1.40	100.0	29.28	2.22	30.11	776	737	754	-5.00	962	1127	-5	43.3	0.138	0.94	0.15	0.00	56.30	0.00	5.23	0.00	0.82	31.73
4/7/2025 13:30	-0.04	1.39	100.0	24.58	2.34	30.21	781	739	763	-5.00	961	1127	-5	42.6	0.134	0.91	0.15	0.00	56.32	0.00	5.23	0.00	0.82	31.74
4/7/2025 13:45	-0.04	1.39	100.0	30.96	2.20	29.84	785	742	760	-5.00	958	1131	-5	43.4	0.139	0.95	0.15	0.00	56.30	0.00	5.23	0.00	0.82	31.73
4/7/2025 14:00	-0.04	1.40	100.0	40.85	2.50	30.14	785	738	752	-5.00	953	1136	-5	44.8	0.146	1.00	0.15	0.00	56.27	0.00	5.22	0.00	0.82	31.72
4/7/2025 14:15	-0.04	1.39	100.0	51.54	2.70	30.49	783	720	737	-5.00	956	1131	-5	45.6	0.151	1.03	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 14:30	-0.03	1.39	100.0	36.61	2.66	30.35	782	698	725	-5.00	960	1112	-5	45.0	0.147	1.00	0.15	0.00	56.27	0.00	5.22	0.00	0.82	31.71
4/7/2025 14:45	-0.03	1.39	100.0	58.17	3.36	30.83	775	688	719	-5.00	960	1109	-5	45.6	0.151	1.03	0.15	0.00	56.25	0.00	5.22	0.00	0.82	31.71
4/7/2025 15:00	-0.03	1.39	100.0	46.73	3.19	29.92	771	685	715	-5.00	960	1107	-5	45.7	0.151	1.03	0.15	0.00	56.25	0.00	5.22	0.00	0.82	31.70
4/7/2025 15:15	-0.03	1.39	100.0	42.21	2.88	30.24	771	692	726	-5.00	964	1096	-5	45.4	0.150	1.02	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 15:30	-0.03	1.38	100.0	28.91	2.92	30.70	768	700	733	-5.00	966	1095	-5	43.7	0.140	0.96	0.15	0.00	56.30	0.00	5.22	0.00	0.82	31.73
4/7/2025 15:45	-0.03	1.38	100.0	33.57	2.45	30.39	771	721	736	-5.00	966	1099	-5	42.7	0.135	0.92	0.15	0.00	56.32	0.00	5.23	0.00	0.82	31.74
4/7/2025 16:00	-0.03	1.38	100.0	25.43	2.60	30.79	764	770	720	-5.00	931	1114	-5	45.3	0.149	1.02	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 16:15	-0.03	1.39	100.0	45.08	2.88	30.60	764	740	770	-5.00	901	1171	-5	45.6	0.151	1.03	0.15	0.00	56.26	0.00	5.22	0.00	0.82	31.71
4/7/2025 16:30	-0.04	1.38	100.0	27.58	2.80	30.23	767	736	771	-5.00	933	1132	-5	45.8	0.152	1.04	0.15	0.00	56.25	0.00	5.22	0.00	0.82	31.70
4/7/2025 16:45	-0.04	1.39	100.0	36.18	2.94	30.62	762	750	749	-5.00	995	1042	-5	46.9	0.158	1.08	0.15	0.00	56.23	0.00	5.22	0.00	0.82	31.69
4/7/2025 17:00	-0.04	1.39	100.0	37.05	2.08	29.87	763	757	747	-5.00	1022	1011	-5	49.5	0.175	1.19	0.15	0.00	56.17	0.00	5.21	0.00	0.82	31.65
4/7/2025 17:15	-0.04	1.39	100.0	35.79	3.11	30.39	754	750	740	-5.00	1003	1015	-5	49.1	0.172	1.17	0.15	0.00	56.17	0.00	5.21	0.00	0.82	31.66
4/7/2025 17:30	-0.04	1.39	100.0	40.64	2.87	30.24	761	774	738	-5.00	1025	1006	-5	47.8	0.164	1.12	0.15	0.00	56.21	0.00	5.22	0.00	0.82	31.68
4/7/2025 17:45	-0.04	1.39	100.0	34.04	3.14	30.00	770	779	736	-5.00	1027	1001	-5	46.9	0.158	1.08	0.15	0.00	56.23	0.00	5.22	0.00	0.82	31.69
4/7/2025 18:00	-0.04	1.39	100.0	53.00	3.39	29.01	771	770	740	-5.00	1049	995	-5	46.6	0.157	1.07	0.15	0.00	56.23	0.00	5.22	0.00	0.82	31.69
4/7/2025 18:15	-0.04	1.38	100.0	44.35	2.63	30.08	742	766	744	-5.00	1053	1003	-5	44.2	0.143	0.98	0.15	0.00	56.29	0.00	5.22	0.00	0.82	31.72
4/7/2025 18:30	-0.04	1.38	100.0	43.13	2.98	30.13	737	770	751	-5.00	1029	1000	-5	41.3	0.128	0.87	0.15	0.00	56.34	0.00	5.23	0.00	0.82	31.75
4/7/2025 18:45	-0.04	1.38	100.0	37.65	2.50	29.77	746	738	748	-5.00	1012	990	-5	40.4	0.123	0.84	0.15	0.00	56.36	0.00	5.23	0.00	0.82	31.76
4/7/2025 19:00	-0.04	1.38	100.0	26.26	2.36	30.06	745	744	751	-5.00	1014	1007	-5	39.7	0.120	0.82	0.15	0.00	56.37	0.00	5.23	0.00	0.82	31.77
4/7/2025 19:15	-0.04	1.38	100.0	32.08	2.48	30.18	745	750	749	-5.00	992	1010	-5	38.3	0.114	0.78	0.15	0.00	56.40	0.00	5.23	0.00	0.82	31.78
4/7/2025 19:30	-0.04	1.38	100.0	43.64	3.16	31.06	738	741	745	-5.00	942	992	-5	36.1	0.104	0.71	0.15	0.00	56.43	0.00	5.24	0.00	0.83	31.81
4/7/2025 19:45	-0.03	1.38	100.0	35.29	2.87	31.29	734	740	742	-5.00	955	980	-5	34.5	0.098	0.67	0.15	0.00	56.46	0.00	5.24	0.00	0.83	31.82
4/7/2025 20:00	-0.03	1.38	100.0	34.26	2.24	31.28	736	749	739	-5.00	983	976	-5	33.5	0.094	0.64	0.15	0.00	56.47	0.00	5.24	0.00	0.83	31.83
4/7/2025 20:15	-0.03	1.38	100.0	30.16	3.32	31.08	732	764	749	-5.00	952	1007	-5	32.3	0.089	0.61	0.15	0.00	56.49	0.00	5.24	0.00	0.83	31.84
4/7/2025 20:30	-0.04	1.38	100.0	47.66	3.66	31.45	730	743	737	-5.00	907	976	-5	31.6	0.087	0.59	0.15	0.00	56.50	0.00	5.24	0.00	0.83	31.84
4/7/2025 20:45	-0.04	1.39	100.0	29.87	2.59	31.44	724	751	737	-5.00	913	994	-5	31.2	0.085	0.58	0.15	0.00	56.50	0.00	5.24	0.00	0.83	31.85
4/7/2025 21:00	-0.04	1.39	100.0	25.05	2.62	31.92	731	738	739	-5.00	956	982	-5	30.9	0.084	0.58	0.15	0.00	56.51	0.00	5.24	0.00	0.83	31.85
4/7/2025 21:15	-0.04	1.38	100.0	29.94	2.78	30.77	730	738	735	-5.00	968	975	-5	30.8	0.084	0.57	0.15	0.00	56.51	0.00	5.24	0.00	0.83	31.85
4/7/2025 21:30	-0.04	1.39	100.0	32.94	2.69	32.05	732	737	732	-5.00	999	983	-5	30.6	0.083	0.57	0.15	0.00	56.51	0.00	5.24	0.00	0.83	31.85
4/7/2025 21:45	-0.04	1.39	100.0	28.78	2.04	32.45	727	738	731	-5.00	1004	978	-5	30.3	0.082	0.56	0.15	0.00	56.52	0.00	5.25	0.00	0.83	31.85
4/7/2025 22:00	-0.04	1.39	100.0	59.92	2.37	31.11	728	731	727	-5.00	976	972	-5	30.4	0.083	0.56	0.15	0.00	56.52	0.00	5.25	0.00	0.83	31.85
4/7/2025 22:15	-0.04	1.39	100.0	30.88	2.58	31.83	726	741	721	-5.00	1046	968	-5	30.5	0.083	0.57	0.15	0.00	56.51	0.00	5.25	0.00	0.83	31.85
4/7/2025 22:30	-0.04	1.40	100.0	23.72	2.23	31.34	734	735	725	-5.00	1050	976	-5	30.3	0.082	0.56	0.15	0.00	56.52	0.00	5.25	0.00	0.83	31.85
4/7/2025 22:45	-0.04	1.40	100.0	15.02	1.81	31.96	727	732	722	-5.00	985	973	-5	29.9	0.081	0.55	0.15	0.00	56.52	0.00	5.25	0.00	0.83	31.86
4/7/2025 23:00	-0.04	1.40	100.0	24.50	2.13	32.44	737	726	735	-5.00	1034	990	-5	29.5	0.080	0.54	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62
4/7/2025 23:15	-0.04	1.41	100.0	23.83	2.43	31.80	748	726	744	-5.00	1068	1000	-5	29.2	0.079	0.54	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62
4/7/2025 23:30	-0.04	1.41	100.0	16.13	1.94	32.25	745	742	736	-5.00	1124	1020	-5	29.0	0.078	0.53	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62
4/7/2025 23:45	-0.04	1.41	100.0	17.48	1.46	32.27	739	733	736	-5.00	1075	993	-5	28.4	0.076	0.52	0.50	0.00	52.47	0.00	1.19	0.02	0.93	38.63
4/8/2025 0:00	-0.04	1.42	100.0	11.79	1.96	32.15	736	731	734	-5.00	1056	980	-5	28.2	0.076	0.52	0.50	0.00	52.47	0.00	1.19	0.02	0.93	38.63
4/8/2025 0:15	-0.04	1.42	100.0	17.48	1.92	31.72	746	720	741	-5.00	1056	993	-5	28.0	0.075	0.51	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 0:30	-0.04	1.43	100.0	21.41	2.28	32.26	746	720	741	-5.00	1048	997	-5	28.0	0.075	0.51	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 0:45	-0.04	1.43	100.0	27.26	2.81	32.33	749	719	740	-5.00	1061	998	-5	28.0	0.075	0.51	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 1:00	-0.04	1.43	100.0	29.25	2.36	33.45	734	730	731	-5.00	1025	987	-5	27.8	0.074	0.51	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 1:15	-0.04	1.44	100.0	31.80	2.92	33.59	734	725	735	-5.00	1021	983	-5	27.7	0.074	0.50	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 1:30	-0.04	1.45	100.0	32.23	2.38	33.50	732	725	728	-5.00	995	981	-5	27.4	0.073	0.50	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.63
4/8/2025 1:45	-0.04	1.45	100.0	26.05	2.80	33.88	742	719	733	-5.00	1019	982	-5	27.3	0.073	0.50	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.64
4/8/2025 2:00	-0.04	1.46	100.0	54.86	2.99	34.40	733	726	733	-5.00	1012	972	-5	27.2	0.073	0.50	0.50	0.00	52.48	0.00	1.19	0.02	0.93	38.64
4/8/2025 2:15	-0.04	1.46	100.0	40.78	3.00	34.34	742	722	738	-5.00	1021	982	-5	27.0	0.072	0.49	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 2:30	-0.04	1.47	100.0	34.53	3.51	35.15	732	720	734	-5.00	1009	990	-5	26.6	0.071	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 2:45	-0.04	1.48	100.0	27.81	2.89	35.48	734	714	738	-5.00	1016	992	-5	26.7	0.071	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 3:00	-0.04	1.48	100.0	29.32	2.65	36.25	738	717	734	-5.00	1029	981	-5	26.7	0.071	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 3:15	-0.04	1.49	100.0	31.35	2.65	36.16	733	722	733	-5.00	1027	985	-5	26.5	0.070	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 3:30	-0.04	1.50	100.0	22.55	2.66	36.25	734	719	731	-5.00	1030	979	-5	26.5	0.070	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 3:45	-0.04	1.51	100.0	26.93	2.77	36.15	732	720	728	-5.00	1022	973	-5	26.3	0.070	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 4:00	-0.04	1.51	100.0	40.16	3.57	36.80	726	725	722	-5.00	1018	974	-5	26.0	0.069	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 4:15	-0.04	1.52	100.0	32.19	3.01	36.99	727	726	727	-5.00	1015	981	-5	25.9	0.069	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 4:30	-0.04	1.53	100.0	35.37	3.25	37.00	727	720	731	-5.00	1002	983	-5	25.9	0.069	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 4:45	-0.04	1.54	100.0	34.03	2.95	37.66	728	724	731	-5.00	1031	980	-5	25.6	0.068	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 5:00	-0.04	1.55	100.0	30.65	3.07	37.90	723	726	721	-5.00	1035	972	-5	25.6	0.068	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 5:15	-0.04	1.55	100.0	23.87	3.03	37.11	720	728	718	-5.00	1017	974	-5	25.4	0.067	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 5:30	-0.03	1.56	100.0	39.51	3.24	37.25	728	718	725	-5.00	1046	980	-5	25.4	0.067	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 5:45	-0.04	1.57	100.0	23.40	3.05	37.29	728	713	729	-5.00	1045	994	-5	25.3	0.067	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 6:00	-0.04	1.57	100.0	25.21	3.03	37.55	722	724	725	-5.00	1023	978	-5	25.3	0.067	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 6:15	-0.03	1.58	100.0	27.86	3.12	36.63	720	723	715	-5.00	1002	972	-5	25.2	0.067	0.45	0.50	0.00	52.51	0.00	1.19	0.02	0.93	38.65
4/8/2025 6:30	-0.03	1.59	100.0	35.78	3.14	36.50	716	726	713	-5.00	989	967	-5	25.1	0.066	0.45	0.50	0.00	52.51	0.00	1.19	0.02	0.93	38.65
4/8/2025 6:45	-0.03	1.59	100.0	38.75	3.22	37.46	722	718	724	-5.00	1002	988	-5	25.1	0.067	0.45	0.50	0.00	52.51	0.00	1.19	0.02	0.93	38.65
4/8/2025 7:00	-0.03	1.60	100.0	34.97	3.26	36.94	715	726	717	-5.00	1000	978	-5	25.1	0.066	0.45	0.50	0.00	52.51	0.00	1.19	0.02	0.93	38.65
4/8/2025 7:15	-0.03	1.60	100.0	32.39	2.88	37.10	726	712	725	-5.00	1021	986	-5	25.8	0.068	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 7:30	-0.04	1.61	100.0	31.14	2.93	36.94	712	725	720	-5.00	1004	989	-5	26.7	0.071	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 7:45	-0.04	1.61	100.0	31.62	2.98	36.37	711	719	713	-5.00	1019	988	-5	26.6	0.071	0.48	0.50	0.00	52.49	0.00	1.19	0.02	0.93	38.64
4/8/2025 8:00	-0.04	1.62	100.0	21.28	2.90	36.41	705	722	709	-5.00	1019	989	-5	25.6	0.068	0.46	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 8:15	-0.04	1.63	100.0	26.06	2.78	36.20	700	732	698	-5.00	1056	970	-5	26.1	0.069	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.64
4/8/2025 8:30	-0.04	1.64	100.0	35.41	3.11	35.80	713	724	711	-5.00	1050	981	-5	25.9	0.069	0.47	0.50	0.00	52.50	0.00	1.19	0.02	0.93	38.65
4/8/2025 8:45	-0.03	1.64	100.0	41.29	3.10	36.25	707	733	703	-5.00	1125	985	-5	28.8	0.078	0.53	0.50	0.00	52.47	0.00	1.19	0.02	0.93	38.62
4/8/2025 9:00	0.16	1.64	100.0	30.03	2.54	35.61	698	730	705	-5.00	1024	984	-5	29.6	0.080	0.54	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62
4/8/2025 9:15	0.18	1.64	100.0	31.22	3.06	35.32	690	734	701	-5.00	969	976	-5	29.5	0.080	0.54	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62
4/8/2025 9:30	0.17	1.64	100.0	34.38	3.10	35.77	690	736	693	-5.00	1102	975	-5	31.7	0.087	0.59	0.50	0.00	52.44	0.00	1.19	0.02	0.93	38.60
4/8/2025 9:45	0.17	1.65	100.0	27.88	2.83	35.97	679	750	687	-5.00	1097	980	-5	33.0	0.092	0.62	0.50	0.00	52.42	0.00	1.19	0.02	0.93	38.59
4/8/2025 10:00	0.17	1.65	100.0	25.13	2.58	36.07	697	726	694	-5.00	1068	980	-5	31.2	0.086	0.58	0.50	0.00	52.44	0.00	1.19	0.02	0.93	38.61
4/8/2025 10:15	0.17	1.66	100.0	31.35	3.36	36.21	684	741	691	-5.00	1057	981	-5	33.5	0.094	0.63	0.50	0.00	52.41	0.00	1.19	0.02	0.93	38.58
4/8/2025 10:30	0.17	1.66	100.0	29.71	3.03	35.64	693	732	700	-5.00	1019	981	-5	32.6	0.091	0.61	0.50	0.00	52.42	0.00	1.19	0.02	0.93	38.59
4/8/2025 10:45	0.18	1.67	100.0	27.38	2.93	36.61	699	746	710	-5.00	995	1010	-5	29.3	0.079	0.53	0.50	0.00	52.47	0.00	1.19	0.02	0.93	38.62

	Flare Gas Composition (cont.)									Property Calculations						ZTOF							
	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
										LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
4/6/2025 14:15	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1131	8.82	47.67	338.5	400	1	4529	194998	4193	88326	779	0.08	6.73
4/6/2025 14:30	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1129	8.83	47.67	338.5	400	1	4529	194732	4193	88326	778	0.08	6.71
4/6/2025 14:45	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1130	8.82	47.67	338.5	400	1	4529	194913	4193	88326	779	0.08	6.73
4/6/2025 15:00	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1131	8.82	47.67	338.5	400	1	4529	195009	4193	88326	779	0.08	6.73
4/6/2025 15:15	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1131	8.81	47.67	338.5	400	1	4529	195031	4193	88326	779	0.08	6.73
4/6/2025 15:30	1.50	0.66	0.00	0.59	0.37	0.00	0.34	0.13	0.29	0.04	1131	8.81	47.67	338.5	400	1	4529	195151	4193	88326	780	0.08	6.74
4/6/2025 15:45	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195268	4193	88326	781	0.08	6.75
4/6/2025 16:00	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195334	4193	88326	781	0.08	6.75
4/6/2025 16:15	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195348	4193	88326	781	0.08	6.76
4/6/2025 16:30	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195298	4193	88326	781	0.08	6.75
4/6/2025 16:45	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195332	4193	88326	781	0.08	6.75
4/6/2025 17:00	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195353	4193	88326	781	0.08	6.76
4/6/2025 17:15	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195331	4193	88326	781	0.08	6.75
4/6/2025 17:30	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.80	47.67	338.5	400	1	4529	195379	4193	88326	781	0.08	6.76
4/6/2025 17:45	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195366	4193	88326	781	0.08	6.76
4/6/2025 18:00	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1132	8.80	47.67	338.5	400	1	4529	195354	4193	88326	781	0.08	6.76
4/6/2025 18:15	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.80	47.67	338.5	400	1	4529	195419	4193	88326	781	0.08	6.76
4/6/2025 18:30	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.80	47.67	338.5	400	1	4529	195455	4193	88326	781	0.08	6.76
4/6/2025 18:45	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195487	4193	88326	782	0.08	6.77
4/6/2025 19:00	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195506	4193	88326	782	0.08	6.77
4/6/2025 19:15	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195486	4193	88326	782	0.08	6.76
4/6/2025 19:30	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195511	4193	88326	782	0.08	6.77
4/6/2025 19:45	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195490	4193	88326	782	0.08	6.77
4/6/2025 20:00	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195499	4193	88326	782	0.08	6.77
4/6/2025 20:15	1.50	0.66	0.00	0.59	0.38	0.00	0.34	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195500	4193	88326	782	0.08	6.77
4/6/2025 20:30	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195529	4193	88326	782	0.08	6.77
4/6/2025 20:45	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195540	4193	88326	782	0.08	6.77
4/6/2025 21:00	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195543	4193	88326	782	0.08	6.77
4/6/2025 21:15	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195544	4193	88326	782	0.08	6.77
4/6/2025 21:30	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195551	4193	88326	782	0.08	6.77
4/6/2025 21:45	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195549	4193	88326	782	0.08	6.77
4/6/2025 22:00	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1133	8.79	47.67	338.5	400	1	4529	195551	4193	88326	782	0.08	6.77
4/6/2025 22:15	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195567	4193	88326	782	0.08	6.77
4/6/2025 22:30	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195592	4193	88326	782	0.08	6.77
4/6/2025 22:45	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195624	4193	88326	782	0.08	6.77
4/6/2025 23:00	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195621	4193	88326	782	0.08	6.77
4/6/2025 23:15	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195629	4193	88326	782	0.08	6.77
4/6/2025 23:30	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195644	4193	88326	782	0.08	6.78
4/6/2025 23:45	1.50	0.66	0.00	0.59	0.38	0.00	0.35	0.13	0.29	0.04	1134	8.79	47.67	338.5	400	1	4529	195636	4193	88326	782	0.08	6.77
4/7/2025 0:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162476	4193	88326	706	0.07	4.45
4/7/2025 0:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162473	4193	88326	706	0.07	4.45
4/7/2025 0:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162490	4193	88326	706	0.07	4.45
4/7/2025 0:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162499	4193	88326	706	0.07	4.45
4/7/2025 1:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162464	4193	88326	706	0.07	4.45
4/7/2025 1:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162454	4193	88326	706	0.07	4.45
4/7/2025 1:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162478	4193	88326	706	0.07	4.45
4/7/2025 1:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162484	4193	88326	706	0.07	4.45
4/7/2025 2:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162497	4193	88326	706	0.07	4.45
4/7/2025 2:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162520	4193	88326	706	0.07	4.45
4/7/2025 2:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162518	4193	88326	706	0.07	4.45
4/7/2025 2:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162510	4193	88326	706	0.07	4.45
4/7/2025 3:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162544	4193	88326	706	0.07	4.45
4/7/2025 3:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162538	4193	88326	706	0.07	4.45
4/7/2025 3:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162532	4193	88326	706	0.07	4.45
4/7/2025 3:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162526	4193	88326	706	0.07	4.45
4/7/2025 4:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162540	4193	88326	706	0.07	4.45
4/7/2025 4:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162537	4193	88326	706	0.07	4.45
4/7/2025 4:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162559	4193	88326	707	0.07	4.46
4/7/2025 4:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162584	4193	88326	707	0.07	4.46
4/7/2025 5:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162581	4193	88326	707	0.07	4.46
4/7/2025 5:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162577	4193	88326	707	0.07	4.46
4/7/2025 5:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162557	4193	88326	707	0.07	4.45
4/7/2025 5:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162529	4193	88326	706	0.07	4.45
4/7/2025 6:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162528	4193	88326	706	0.07	4.45
4/7/2025 6:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162527	4193	88326	706	0.07	4.45
4/7/2025 6:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162519	4193	88326	706	0.07	4.45
4/7/2025 6:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162516	4193	88326	706	0.07	4.45
4/7/2025 7:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162474	4193	88326	706	0.07	4.45
4/7/2025 7:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1086	10.59	47.61	338.0	400	1	4529	162397	4193	88326	705	0.07	4.44
4/7/2025 7:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162328	4193	88326	705	0.07	4.44
4/7/2025 7:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162286	4193	88326	705	0.07	4.44
4/7/2025 8:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162219	4193	88326	704	0.07	4.43
4/7/2025 8:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162131	4193	88326	703	0.07	4.43
4/7/2025 8:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162135	4193	88326	703	0.07	4.43
4/7/2025 8:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162134	4193	88326	703	0.07	4.43
4/7/2025 9:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162137	4193	88326	703	0.07	4.43
4/7/2025 9:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.61	47.61	338.0	400	1	4529	162085	4193	88326	703	0.07	4.42
4/7/2025 9:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162130	4193	88326	703	0.07	4.43
4/7/2025 9:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162219	4193	88326	704	0.07	4.43
4/7/2025 10:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162167	4193	88326	704	0.07	4.43
4/7/2025 10:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162168	4193	88326	704	0.07	4.43
4/7/2025 10:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162177	4193	88326	704	0.07	4.43
4/7/2025 10:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162138	4193	88326	703	0.07	4.43
4/7/2025 11:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.60	47.61	338.0	400	1	4529	162119	4193	88326	703	0.07	4.43
4/7/2025 11:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.61	47.61	338.0	400	1	4529	162086	4193	88326	703	0.07	4.42
4/7/2025 11:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162130	4193	88326	703	0.07	4.43
4/7/2025 11:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162121	4193	88326	703	0.07	4.43
4/7/2025 12:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.61	47.61	338.0	400	1	4529	162040	4193	88326	703	0.07	4.42
4/7/2025 12:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1082	10.61	47.61	338.0	400	1	4529	162002	4193	88326	702	0.07	4.42
4/7/2025 12:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.60	47.61	338.0	400	1	4529	162112	4193	88326	703	0.07	4.43
4/7/2025 12:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162133	4193	88326	703	0.07	4.43
4/7/2025 13:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162152	4193	88326	704	0.07	4.43
4/7/2025 13:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162265	4193	88326	704	0.07	4.44
4/7/2025 13:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162295	4193	88326	705	0.07	4.44
4/7/2025 13:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162260	4193	88326	704	0.07	4.44
4/7/2025 14:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162199	4193	88326	704	0.07	4.43
4/7/2025 14:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162163	4193	88326	704	0.07	4.43
4/7/2025 14:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162190	4193	88326	704	0.07	4.43
4/7/2025 14:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162160	4193	88326	704	0.07	4.43
4/7/2025 15:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162156	4193	88326	704	0.07	4.43
4/7/2025 15:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162170	4193	88326	704	0.07	4.43
4/7/2025 15:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.60	47.61	338.0	400	1	4529	162245	4193	88326	704	0.07	4.43
4/7/2025 15:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1085	10.59	47.61	338.0	400	1	4529	162288	4193	88326	705	0.07	4.44
4/7/2025 16:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162175	4193	88326	704	0.07	4.43
4/7/2025 16:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162161	4193	88326	704	0.07	4.43
4/7/2025 16:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162153	4193	88326	704	0.07	4.43
4/7/2025 16:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.60	47.61	338.0	400	1	4529	162101	4193	88326	703	0.07	4.43
4/7/2025 17:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1082	10.61	47.61	338.0	400	1	4529	161970	4193	88326	702	0.07	4.42
4/7/2025 17:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1082	10.61	47.61	338.0	400	1	4529	161990	4193	88326	702	0.07	4.42
4/7/2025 17:30	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.61	47.61	338.0	400	1	4529	162055	4193	88326	703	0.07	4.42
4/7/2025 17:45	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.60	47.61	338.0	400	1	4529	162103	4193	88326	703	0.07	4.43
4/7/2025 18:00	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1083	10.60	47.61	338.0	400	1	4529	162114	4193	88326	703	0.07	4.43
4/7/2025 18:15	1.97	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1084	10.60	47.61	338.0	400	1	4529	162224	4193	88326	704	0.07	4.43
4/7/2025 18:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1086	10.59	47.61	338.0	400	1	4529	162347	4193	88326	705	0.07	4.44
4/7/2025 18:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1086	10.59	47.61	338.0	400	1	4529	162382	4193	88326	705	0.07	4.44
4/7/2025 19:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1086	10.58	47.61	338.0	400	1	4529	162409	4193	88326	705	0.07	4.45
4/7/2025 19:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162459	4193	88326	706	0.07	4.45
4/7/2025 19:30	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1087	10.58	47.61	338.0	400	1	4529	162535	4193	88326	706	0.07	4.45
4/7/2025 19:45	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162587	4193	88326	707	0.07	4.46
4/7/2025 20:00	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162618	4193	88326	707	0.07	4.46
4/7/2025 20:15	1.98	0.79	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1088	10.57	47.61	338.0	400	1	4529	162653	4193	88326	707	0.07	4.46
4/7/2025 20:30	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162673	4193	88326	707	0.07	4.46
4/7/2025 20:45	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162685	4193	88326	708	0.07	4.46
4/7/2025 21:00	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162694	4193	88326	708	0.07	4.46
4/7/2025 21:15	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162695	4193	88326	708	0.07	4.46
4/7/2025 21:30	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162702	4193	88326	708	0.07	4.46
4/7/2025 21:45	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162710	4193	88326	708	0.07	4.46
4/7/2025 22:00	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162708	4193	88326	708	0.07	4.46
4/7/2025 22:15	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162705	4193	88326	708	0.07	4.46
4/7/2025 22:30	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.57	47.61	338.0	400	1	4529	162710	4193	88326	708	0.07	4.46
4/7/2025 22:45	1.98	0.80	0.00	0.72	0.44	0.00	0.40	0.15	0.35	0.04	1089	10.56	47.61	338.0	400	1	4529	162721	4193	88326	708	0.07	4.47
4/7/2025 23:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155020	4193	88326	720	0.07	14.48
4/7/2025 23:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155027	4193	88326	720	0.07	14.48
4/7/2025 23:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155031	4193	88326	720	0.07	14.48
4/7/2025 23:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155044	4193	88326	720	0.07	14.48
4/8/2025 0:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155049	4193	88326	720	0.07	14.48
4/8/2025 0:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155052	4193	88326	720	0.07	14.48
4/8/2025 0:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155053	4193	88326	720	0.07	14.48
4/8/2025 0:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155052	4193	88326	720	0.07	14.48
4/8/2025 1:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155056	4193	88326	720	0.07	14.48
4/8/2025 1:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155060	4193	88326	720	0.07	14.48
4/8/2025 1:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155064	4193	88326	720	0.07	14.49
4/8/2025 1:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155067	4193	88326	720	0.07	14.49
4/8/2025 2:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155069	4193	88326	720	0.07	14.49
4/8/2025 2:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.09	47.41	336.6	400	1	4529	155073	4193	88326	720	0.07	14.49
4/8/2025 2:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155081	4193	88326	720	0.07	14.49
4/8/2025 2:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155079	4193	88326	720	0.07	14.49
4/8/2025 3:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155079	4193	88326	720	0.07	14.49
4/8/2025 3:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155083	4193	88326	721	0.07	14.49
4/8/2025 3:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155083	4193	88326	721	0.07	14.49
4/8/2025 3:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155087	4193	88326	721	0.07	14.49
4/8/2025 4:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155093	4193	88326	721	0.07	14.49
4/8/2025 4:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155095	4193	88326	721	0.07	14.49
4/8/2025 4:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155095	4193	88326	721	0.07	14.49
4/8/2025 4:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155100	4193	88326	721	0.07	14.49
4/8/2025 5:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155100	4193	88326	721	0.07	14.49
4/8/2025 5:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155105	4193	88326	721	0.07	14.50
4/8/2025 5:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155104	4193	88326	721	0.07	14.50
4/8/2025 5:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155106	4193	88326	721	0.07	14.50
4/8/2025 6:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155107	4193	88326	721	0.07	14.50
4/8/2025 6:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155109	4193	88326	721	0.07	14.50
4/8/2025 6:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155110	4193	88326	721	0.07	14.50
4/8/2025 6:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155109	4193	88326	721	0.07	14.50
4/8/2025 7:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155110	4193	88326	721	0.07	14.50
4/8/2025 7:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155096	4193	88326	721	0.07	14.49
4/8/2025 7:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155080	4193	88326	720	0.07	14.49
4/8/2025 7:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155081	4193	88326	721	0.07	14.49
4/8/2025 8:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155101	4193	88326	721	0.07	14.49
4/8/2025 8:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155090	4193	88326	721	0.07	14.49
4/8/2025 8:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1128	11.08	47.41	336.6	400	1	4529	155095	4193	88326	721	0.07	14.49
4/8/2025 8:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155035	4193	88326	720	0.07	14.48
4/8/2025 9:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155025	4193	88326	720	0.07	14.48
4/8/2025 9:15	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155028	4193	88326	720	0.07	14.48
4/8/2025 9:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	154976	4193	88326	720	0.07	14.47
4/8/2025 9:45	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45	0.04	1126	11.09	47.41	336.6	400	1	4529	154944	4193	88326	719	0.07	14.46
4/8/2025 10:00	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	154989	4193	88326	720	0.07	14.47
4/8/2025 10:15	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45	0.04	1126	11.10	47.41	336.6	400	1	4529	154933	4193	88326	719	0.07	14.46
4/8/2025 10:30	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1126	11.09	47.41	336.6	400	1	4529	154955	4193	88326	719	0.07	14.46
4/8/2025 10:45	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45	0.04	1127	11.09	47.41	336.6	400	1	4529	155033	4193	88326	720	0.07	14.48

	36Inch Flare								24Inch Flare								Pit Flare							
	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/6/2025 14:15																								6.73
4/6/2025 14:30																								6.71
4/6/2025 14:45																								6.73
4/6/2025 15:00																								6.73
4/6/2025 15:15																								6.73
4/6/2025 15:30																								6.74
4/6/2025 15:45																								6.75
4/6/2025 16:00																								6.75
4/6/2025 16:15																								6.76
4/6/2025 16:30																								6.75
4/6/2025 16:45																								6.75
4/6/2025 17:00																								6.76
4/6/2025 17:15																								6.75
4/6/2025 17:30																								6.76
4/6/2025 17:45																								6.76
4/6/2025 18:00																								6.76
4/6/2025 18:15																								6.76
4/6/2025 18:30																								6.76
4/6/2025 18:45																								6.77
4/6/2025 19:00																								6.77
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4/6/2025 22:00																								6.77
4/6/2025 22:15																								6.77
4/6/2025 22:30																								6.77
4/6/2025 22:45																								6.77
4/6/2025 23:00																								6.77
4/6/2025 23:15																								6.77
4/6/2025 23:30																								6.78
4/6/2025 23:45																								6.77
4/7/2025 0:00																								4.45
4/7/2025 0:15																								4.45
4/7/2025 0:30																								4.45
4/7/2025 0:45																								4.45
4/7/2025 1:00																								4.45
4/7/2025 1:15																								4.45
4/7/2025 1:30																								4.45
4/7/2025 1:45																								4.45
4/7/2025 2:00																								4.45
4/7/2025 2:15																								4.45
4/7/2025 2:30																								4.45
4/7/2025 2:45																								4.45
4/7/2025 3:00																								4.45
4/7/2025 3:15																								4.45
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4/7/2025 4:00																								4.45
4/7/2025 4:15																								4.45
4/7/2025 4:30																								4.46
4/7/2025 4:45																								4.46
4/7/2025 5:00																								4.46
4/7/2025 5:15																								4.46
4/7/2025 5:30																								4.45
4/7/2025 5:45																								4.45
4/7/2025 6:00																								4.45
4/7/2025 6:15																								4.45
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4/7/2025 6:45																								4.45
4/7/2025 7:00																								4.45
4/7/2025 7:15																								4.44
4/7/2025 7:30																								4.44
4/7/2025 7:45																								4.44
4/7/2025 8:00																								4.43
4/7/2025 8:15																								4.43
4/7/2025 8:30																								4.43
4/7/2025 8:45																								4.43
4/7/2025 9:00																								4.43
4/7/2025 9:15																								4.42
4/7/2025 9:30																								4.43
4/7/2025 9:45																								4.43
4/7/2025 10:00																								4.43
4/7/2025 10:15																								4.43
4/7/2025 10:30																								4.43
4/7/2025 10:45																								4.43
4/7/2025 11:00																								4.43
4/7/2025 11:15																								4.42
4/7/2025 11:30																								4.43
4/7/2025 11:45																								4.43
4/7/2025 12:00																								4.42
4/7/2025 12:15																								4.42
4/7/2025 12:30																								4.43
4/7/2025 12:45																								4.43
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4/7/2025 14:15																								4.43
4/7/2025 14:30																								4.43
4/7/2025 14:45																								4.43
4/7/2025 15:00																								4.43
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4/7/2025 16:15																								4.43
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4/7/2025 16:45																								4.43
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4/7/2025 17:15																								4.42
4/7/2025 17:30																								4.42
4/7/2025 17:45																								4.43
4/7/2025 18:00																								4.43
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4/7/2025 19:00																								4.45
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4/7/2025 19:45																								4.46
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4/7/2025 22:00																								4.46
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4/7/2025 22:30																								4.46
4/7/2025 22:45																								4.47
4/7/2025 23:00																								14.48
4/7/2025 23:15																								14.48
4/7/2025 23:30																								14.48
4/7/2025 23:45																								14.48
4/8/2025 0:00																								14.48
4/8/2025 0:15																								14.48
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4/8/2025 6:00																								14.50
4/8/2025 6:15																								14.50
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4/8/2025 7:15																								14.49
4/8/2025 7:30																								14.49
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4/8/2025 8:15																								14.49
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4/8/2025 9:00																								14.48
4/8/2025 9:15																								14.48
4/8/2025 9:30																								14.47
4/8/2025 9:45																								14.46
4/8/2025 10:00																								14.47
4/8/2025 10:15																								14.46
4/8/2025 10:30																								14.46
4/8/2025 10:45																								14.48

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
4/8/2025 11:00	0.18	1.65	100.0	23.52	2.40	36.64	702	732	714	-5.00	1013	989	-5	29.3
4/8/2025 11:15	0.19	1.47	100.0	36.15	3.32	36.39	706	730	705	-5.00	1039	991	-5	31.9
4/8/2025 11:30	0.19	1.47	100.0	22.02	2.90	36.80	689	740	697	-5.00	1032	990	-5	32.9
4/8/2025 11:45	0.20	1.48	100.0	26.59	3.06	36.90	687	731	694	-5.00	1006	980	-5	33.6
4/8/2025 12:00	0.20	1.48	100.0	35.64	3.01	35.90	667	754	687	-5.00	1157	987	-5	36.9
4/8/2025 12:15	0.21	1.49	100.0	30.74	2.96	37.43	681	749	689	-5.00	1115	998	-5	37.0
4/8/2025 12:30	0.21	1.50	100.0	34.08	3.14	37.89	691	740	687	-5.00	1151	1000	-5	36.9
4/8/2025 12:45	0.21	1.50	100.0	33.38	2.85	38.17	687	740	687	-5.00	1102	995	-5	37.7
4/8/2025 13:00	0.18	1.51	100.0	25.30	2.77	38.27	685	749	685	-5.00	1102	982	-5	37.5
4/8/2025 13:15	0.11	1.52	100.0	31.03	3.32	38.16	701	736	704	-5.00	1000	989	-5	35.7
4/8/2025 13:30	0.04	1.52	100.0	26.68	2.72	38.38	700	738	708	-5.00	1025	994	-5	35.6
4/8/2025 13:45	-0.04	1.53	100.0	30.54	3.19	37.86	698	745	704	-5.00	1053	992	-5	36.1
4/8/2025 14:00	-0.04	1.53	100.0	33.58	2.82	38.39	700	741	705	-5.00	995	987	-5	35.4
4/8/2025 14:15	-0.04	1.53	100.0	35.86	3.67	37.92	698	735	697	-5.00	988	979	-5	36.4
4/8/2025 14:30	-0.04	1.54	100.0	24.18	2.98	38.07	704	734	708	-5.00	1009	987	-5	35.3
4/8/2025 14:45	-0.04	1.54	100.0	28.74	2.86	38.09	707	746	712	-5.00	1006	1006	-5	35.2
4/8/2025 15:00	-0.04	1.54	100.0	21.28	3.08	38.13	702	742	701	-5.00	1052	978	-5	36.2
4/8/2025 15:15	-0.04	1.54	100.0	30.58	2.78	38.19	697	749	694	-5.00	1095	970	-5	37.4
4/8/2025 15:30	-0.04	1.55	100.0	33.45	3.22	37.73	697	748	695	-5.00	1104	985	-5	36.2
4/8/2025 15:45	-0.04	1.55	100.0	30.27	3.32	38.05	715	728	709	-5.00	991	979	-5	35.6
4/8/2025 16:00	-0.04	1.55	100.0	36.78	3.36	38.24	717	735	712	-5.00	1041	988	-5	36.5
4/8/2025 16:15	-0.04	1.55	100.0	32.75	2.90	38.51	712	744	705	-5.00	1138	991	-5	37.3
4/8/2025 16:30	-0.04	1.55	100.0	28.46	3.47	39.14	720	730	718	-5.00	1021	988	-5	35.2
4/8/2025 16:45	-0.04	1.55	100.0	43.47	3.18	38.34	718	739	710	-5.00	1048	991	-5	36.1
4/8/2025 17:00	-0.04	1.56	100.0	21.89	2.91	38.43	721	736	715	-5.00	1018	983	-5	35.8
4/8/2025 17:15	-0.04	1.56	100.0	31.68	3.05	38.75	721	732	726	-5.00	966	1007	-5	34.4
4/8/2025 17:30	-0.04	1.56	100.0	27.67	2.92	38.43	727	728	724	-5.00	1017	985	-5	34.5
4/8/2025 17:45	-0.04	1.56	100.0	37.67	3.48	37.28	724	739	709	-5.00	1074	986	-5	35.6
4/8/2025 18:00	-0.04	1.57	100.0	42.07	3.19	37.96	721	736	710	-5.00	1099	999	-5	34.3
4/8/2025 18:15	-0.04	1.57	100.0	28.68	2.97	38.15	729	724	730	-5.00	1008	1004	-5	33.7
4/8/2025 18:30	-0.04	1.57	100.0	24.18	2.71	38.94	726	727	726	-5.00	1017	989	-5	37.1
4/8/2025 18:45	-0.04	1.57	100.0	34.78	3.24	37.39	727	731	720	-5.00	1015	980	-5	35.4
4/8/2025 19:00	-0.04	1.57	100.0	36.40	3.24	37.18	727	732	713	-5.00	1058	981	-5	35.2
4/8/2025 19:15	-0.04	1.57	100.0	37.96	2.93	37.74	734	721	725	-5.00	1041	995	-5	35.2
4/8/2025 19:30	-0.04	1.57	100.0	27.81	2.60	37.32	730	724	722	-5.00	1029	988	-5	34.2
4/8/2025 19:45	-0.04	1.57	100.0	21.89	2.85	37.86	726	724	716	-5.00	1057	984	-5	31.8
4/8/2025 20:00	-0.04	1.58	100.0	22.39	2.78	38.37	739	713	729	-5.00	1084	1010	-5	31.3
4/8/2025 20:15	-0.04	1.58	100.0	48.47	3.54	37.89	742	712	729	-5.00	1071	1020	-5	30.8
4/8/2025 20:30	-0.04	1.58	100.0	21.75	3.08	37.37	747	703	729	-5.00	1069	1037	-5	30.7
4/8/2025 20:45	-0.04	1.59	100.0	35.67	2.87	38.18	754	700	737	-5.00	1086	1054	-5	30.7
4/8/2025 21:00	-0.04	1.59	100.0	32.22	2.77	37.58	759	707	739	-5.00	1093	1057	-5	30.4
4/8/2025 21:15	-0.04	1.59	100.0	29.17	3.26	38.14	749	707	731	-5.00	1090	1053	-5	30.2
4/8/2025 21:30	-0.04	1.60	100.0	24.81	3.21	37.74	747	702	732	-5.00	1084	1048	-5	30.2
4/8/2025 21:45	-0.04	1.60	100.0	17.07	2.67	37.87	742	709	730	-5.00	1087	1067	-5	30.0
4/8/2025 22:00	-0.04	1.60	100.0	37.33	3.46	37.71	766	700	739	-5.00	1085	1099	-5	29.9
4/8/2025 22:15	-0.04	1.61	100.0	30.99	3.01	37.22	768	699	747	-5.00	1085	1081	-5	29.7
4/8/2025 22:30	-0.04	1.61	100.0	25.84	2.96	38.15	765	694	749	-5.00	1089	1060	-5	29.5
4/8/2025 22:45	-0.04	1.61	100.0	16.74	2.90	38.02	759	694	747	-5.00	1087	1056	-5	29.4
4/8/2025 23:00	-0.04	1.62	100.0	32.09	3.02	37.46	768	694	746	-5.00	1091	1052	-5	29.2
4/8/2025 23:15	-0.04	1.62	100.0	31.78	3.07	38.13	766	689	744	-5.00	1101	1053	-5	29.1
4/8/2025 23:30	-0.04	1.63	100.0	36.51	3.12	37.95	772	686	750	-5.00	1100	1061	-5	28.9
4/8/2025 23:45	-0.04	1.63	100.0	34.24	2.90	38.31	776	694	753	-5.00	1093	1064	-5	29.2
4/9/2025 0:00	-0.04	1.64	100.0	25.93	2.83	38.34	786	695	750	-5.00	1074	1081	-5	29.2
4/9/2025 0:15	-0.04	1.64	100.0	21.79	2.85	38.05	785	698	748	-5.00	1051	1093	-5	28.8
4/9/2025 0:30	-0.04	1.65	100.0	34.91	3.62	37.61	785	696	749	-5.00	1048	1087	-5	28.5
4/9/2025 0:45	-0.04	1.65	100.0	32.40	3.21	37.97	784	700	746	-5.00	1053	1089	-5	28.4
4/9/2025 1:00	-0.04	1.66	100.0	22.70	3.17	37.85	774	704	746	-5.00	1034	1079	-5	28.2
4/9/2025 1:15	-0.04	1.66	100.0	28.13	3.04	37.72	774	699	747	-5.00	1034	1059	-5	28.1
4/9/2025 1:30	-0.04	1.66	100.0	35.28	2.78	37.29	776	703	744	-5.00	1060	1066	-5	28.1
4/9/2025 1:45	-0.04	1.66	100.0	26.63	3.16	37.77	770	709	741	-5.00	1047	1059	-5	27.9
4/9/2025 2:00	-0.04	1.66	100.0	36.14	3.55	37.68	773	707	743	-5.00	1059	1057	-5	28.0
4/9/2025 2:15	-0.04	1.67	100.0	41.89	3.10	37.88	763	713	742	-5.00	1050	1055	-5	27.8
4/9/2025 2:30	-0.04	1.67	100.0	28.56	2.96	37.19	770	709	742	-5.00	1053	1054	-5	27.7
4/9/2025 2:45	-0.04	1.68	100.0	32.68	3.27	37.66	769	705	743	-5.00	1034	1060	-5	27.3
4/9/2025 3:00	-0.04	1.68	100.0	34.86	3.33	37.80	766	703	745	-5.00	1015	1048	-5	27.4
4/9/2025 3:15	-0.04	1.69	100.0	33.54	3.34	37.63	768	708	742	-5.00	1032	1044	-5	27.4
4/9/2025 3:30	-0.04	1.69	100.0	37.78	3.21	37.32	768	704	742	-5.00	1058	1056	-5	27.5
4/9/2025 3:45	-0.04	1.69	100.0	32.44	3.69	37.09	770	698	743	-5.00	1069	1069	-5	28.1
4/9/2025 4:00	-0.04	1.69	100.0	32.13	3.04	36.57	768	700	740	-5.00	1069	1065	-5	27.7
4/9/2025 4:15	-0.04	1.70	100.0	31.55	3.38	36.85	768	698	743	-5.00	1059	1070	-5	27.6
4/9/2025 4:30	-0.04	1.70	100.0	33.72	3.13	37.14	766	697	740	-5.00	1086	1068	-5	27.6
4/9/2025 4:45	-0.04	1.71	100.0	37.29	3.68	36.50	765	697	742	-5.00	1107	1070	-5	27.4
4/9/2025 5:00	-0.04	1.71	100.0	27.08	3.34	36.82	776	700	743	-5.00	1109	1060	-5	27.2
4/9/2025 5:15	-0.04	1.71	100.0	27.62	3.29	37.31	774	694	743	-5.00	1065	1069	-5	26.9
4/9/2025 5:30	-0.04	1.72	100.0	29.20	3.30	36.82	774	695	744	-5.00	1070	1081	-5	26.6
4/9/2025 5:45	-0.04	1.72	100.0	38.98	3.61	37.07	769	696	742	-5.00	1068	1073	-5	26.7
4/9/2025 6:00	-0.04	1.72	100.0	40.30	3.91	36.26	762	695	740	-5.00	1071	1073	-5	26.9
4/9/2025 6:15	-0.04	1.72	100.0	33.95	3.55	36.50	762	697	741	-5.00	1114	1050	-5	26.8
4/9/2025 6:30	-0.04	1.73	100.0	33.16	3.42	36.74	766	696	742	-5.00	1125	1050	-5	27.1
4/9/2025 6:45	-0.04	1.73	100.0	29.81	3.15	36.15	774	690	746	-5.00	1109	1052	-5	27.7
4/9/2025 7:00	-0.04	1.74	100.0	47.98	3.81	36.08	771	684	749	-5.00	1113	1054	-5	28.8
4/9/2025 7:15	-0.04	1.73	100.0	46.78	3.20	36.13	768	686	744	-5.00	1111	1058	-5	29.9
4/9/2025 7:30	-0.04	1.74	100.0	29.70	2.80	36.70	754	695	742	-5.00	1097	1070	-5	30.9
4/9/2025 7:45	-0.04	1.73	100.0	22.77	2.55	36.56	752	695	743	-5.00	1090	1088	-5	33.4
4/9/2025 8:00	-0.04	1.73	100.0	36.25	3.31	36.78	744	698	736	-5.00	1124	1067	-5	33.9
4/9/2025 8:15	-0.04	1.74	100.0	26.75	3.24	36.28	743	703	730	-5.00	1089	1065	-5	36.9
4/9/2025 8:30	-0.04	1.76	100.0	31.86	2.85	36.62	738	714	731	-5.00	1071	1077	-5	38.7
4/9/2025 8:45	-0.04	1.77	100.0	29.03	2.64	37.06	739	713	731	-5.00	1063	1072	-5	39.4
4/9/2025 9:00	-0.04	1.77	100.0	27.98	2.72	37.32	735	731	730	-5.00	1049	1049	-5	40.3
4/9/2025 9:15	-0.04	1.78	100.0	27.91	2.63	37.43	739	716	734	-5.00	1073	1032	-5	40.3
4/9/2025 9:30	-0.04	1.79	100.0	34.37	2.81	37.26	736	738	735	-5.00	1043	1027	-5	39.3
4/9/2025 9:45	-0.04	1.79	100.0	32.53	2.99	37.39	742	715	735	-5.00	1060	1026	-5	39.1
4/9/2025 10:00	-0.04	1.79	100.0	26.18	2.46	37.22	746	731	738	-5.00	1031	1037	-5	38.6
4/9/2025 10:15	-0.03	1.80	100.0	30.25	2.98	36.58	721	729	737	-5.00	1029	1038	-5	39.3
4/9/2025 10:30	-0.03	1.80	100.0	38.77	3.17	36.21	725	733	730	-5.00	1030	1058	-5	40.9
4/9/2025 10:45	-0.03	1.79	100.0	35.45	3.53	36.37	725	729	735	-5.00	1040	1063	-5	39.8
4/9/2025 11:00	-0.03	1.79	100.0	33.37	3.52	36.01	720	734	736	-5.00	1031	1054	-5	39.4
4/9/2025 11:15	-0.03	1.79	100.0	23.52	2.65	35.58	720	740	745	-5.00	979	1103	-5	39.6
4/9/2025 11:30	-0.03	1.78	100.0	29.49	2.60	35.18	724	740	738	-5.00	979	1107	-5	38.3
4/9/2025 11:45	-0.03	1.78	100.0	28.71	2.88	35.53	724	739	736	-5.00	983	1109	-5	39.5
4/9/2025 12:00	-0.03	1.76	100.0	23.82	2.37	35.29	723	754	736	-5.00	997	1118	-5	39.9
4/9/2025 12:15	-0.03	1.76	100.0	19.47	2.35	34.93	721	747	725	-5.00	909	1155	-5	39.8
4/9/2025 12:30	-0.03	1.76	100.0	18.48	2.22	35.12	731	739	687	-5.00	914	1127	-5	40.6
4/9/2025 12:45	-0.03	1.75	100.0	17.62	2.13	34.35	726	732	697	-5.00	895	1131	-5	41.1
4/9/2025 13:00	-0.03	1.75	100.0	32.55	2.86	34.89	737	715	667	-5.00	920	1113	-5	42.0
4/9/2025 13:15	-0.03	1.74	100.0	33.56	2.92	33.62	750	705	692	-5.00	940	1120	-5	42.2
4/9/2025 13:30	-0.03	1.67	100.0	28.37	2.55	34.00	749	696	714	-5.00	951	1116	-5	43.0
4/9/2025 13:45	-0.03	1.41	100.0	28.30	2.24	33.01	745	712	686	-5.00	951	1113	-5	42.7
4/9/2025 14:00	-0.03	1.40	100.0	21.62	2.34	33.76	747	693	713	-5.00	959	1116	-5	41.1
4/9/2025 14:15	-0.03	1.39	100.0	37.38	2.99	33.35	745	683	707	-5.00	965	1113	-5	41.2
4/9/2025 14:30	-0.03	1.38	100.0	33.84	2.84	32.66	746	692	705	-5.00	971	1111	-5	40.8
4/9/2025 14:45	-0.03	1.37	100.0	25.26	2.54	32.65	748	688	712	-5.00	961	1111	-5	41.1
4/9/2025 15:00	-0.03	1.35	100.0	18.75	2.25	33.09	751	680	713	-5.00	968	1112	-5	41.3
4/9/2025 15:15	-0.03	1.35	100.0	35.40	3.06	32.16	760	678	706	-5.00	970	1114	-5	42.9
4/9/2025 15:30	-0.03	1.34	100.0	44.92	2.89	31.94	751	677	708	-5.00	973	1116	-5	41.9
4/9/2025 15:45	-0.03	1.32	100.0	34.29	2.75	31.14	748	665	705	-5.00	978	1112	-5	41.3
4/9/2025 16:00	-0.03	1.30	100.0	30.02	2.55	30.95	748	664	713	-5.00	978	1115	-5	40.0
4/9/2025 16:15	-0.03	1.29	100.0	41.65	2.69	31.22	757	668	709	-5.00	973	1114	-5	40.6
4/9/2025 16:30	-0.03	1.29	100.0	35.04	3.08	30.40	762	676	708	-5.00	969	1120	-5	42.6
4/9/2025 16:45	-0.03	1.27	100.0	38.20	2.80	30.92	759	694	716	-5.00	967	1110	-5	41.2
4/9/2025 17:00	-0.03	1.26	100.0	30.42	2.53	30.53	755	718	707	-5.00	957	1110	-5	41.7
4/9/2025 17:15	-0.03	1.26	100.0	42.12	2.23	31.17	750	723	691	-5.00	951	1109	-5	41.9
4/9/2025 17:30	-0.03	1.25	100.0	34.57	2.68	30.30	752	714	715	-5.00	958	1109	-5	41.7
4/9/2025 17:45	-0.03	1.25	100.0	34.12	2.93	30.36	756	732	716	-5.00	973	1107	-5	42.1
4/9/2025 18:00	-0.03	1.24	100.0	35.25	2.76	31.09	753	747	677	-5.00	976	1112	-5	43.5
4/9/2025 18:15	-0.03	1.23	100.0	39.74	3.33	30.84	754	740	705	-5.00	983	1122	-5	43.9
4/9/2025 18:30	-0.03	1.23	100.0	35.04	2.82	30.22	762	765	731	-5.00	992	1137	-5	45.3
4/9/2025 18:45	-0.03	1.22	100.0	34.81	2.80	31.47	766	765	720	-5.00	991	1150	-5	42.2
4/9/2025 19:00	-0.03	1.22	100.0	26.32	2.36	31.10	759	770	693	-5.00	1022	1128	-5	41.9
4/9/2025 19:15	-0.03	1.21	100.0	40.86	3.12	31.33	757	797	772	-5.00	1086	1174	-5	41.9
4/9/2025 19:30	-0.03	1.21	100.0	36.57	2.59	30.99	758	777	749	-5.00	1108	1161	-5	42.2
4/9/2025 19:45	-0.03	1.21	100.0	38.07	3.03	31.19	748	755	733	-5.00	1082	1139	-5	42.4
4/9/2025 20:00	-0.03	1.20	100.0	29.33	2.88	30.91	734	773	743	-5.00	1097	1146	-5	41.5
4/9/2025 20:15	-0.03	1.20	100.0	39.04	3.13	30.95	728	776	741	-5.00	1101	1144	-5	41.3
4/9/2025 20:30	-0.03	1.20	100.0	48.59	3.64	30.11	723	775	758	-5.00	1098	1146	-5	40.9
4/9/2025 20:45	-0.04	1.19	100.0	32.35	2.61	30.83	716	775	772	-5.00	1075	1163	-5	40.6
4/9/2025 21:00	-0.03	1.19	100.0	33.70	3.18	31.13	731	770	766	-5.00	1091	1150	-5	40.2
4/9/2025 21:15	-0.03	1.19	100.0	37.14	3.19	31.59	785	728	752	-5.00	1087	1130	-5	40.3
4/9/2025 21:30	-0.03	1.20	100.0	32.67	2.36	31.75	779	718	748	-5.00	1083	1140	-5	40.5
4/9/2025 21:45	-0.03	1.19	100.0	32.29	2.39	32.00	746	763	745	-5.00	1083	1155	-5	39.8
4/9/2025 22:00	-0.03	1.20	100.0	41.64	3.10	32.02	780	718	745	-5.00	1079	1149	-5	39.2
4/9/2025 22:15	-0.03	1.20	100.0	34.48	2.13	32.57	766	723	762	-5.00	1080	1161	-5	39.0
4/9/2025 22:30	-0.03	1.20	100.0	24.30	2.01	32.66	775	733	745	-5.00	1081	1159	-5	39.0
4/9/2025 22:45	-0.03	1.20	100.0	26.77	1.90	33.05	770	776	745	-5.00	1067	1176	-5	39.0
4/9/2025 23:00	-0.03	1.20	100.0	17.75	1.47	33.09	744	786	643	-5.00	988	1137	-5	40.2
4/9/2025 23:15	-0.03	1.20	100.0	36.86	2.03	32.36	746	800	669	-5.00	1021	1167	-5	39.9
4/9/2025 23:30	-0.03	1.20	100.0	46.43	3.01	32.25	756	797	772	-5.00	1094	1203	-5	39.1
4/9/2025 23:45	-0.03	1.20	100.0	39.76	2.95	32.34	759	784	724	-5.00	1067	1187	-5	38.3
4/10/2025 0:00	-0.03	1.21	100.0	38.95	2.90	32.80	755	762	742	-5.00	1062	1175	-5	37.7
4/10/2025 0:15	-0.03	1.21	100.0	27.58	2.59	33.00	756	764	752	-5.00	1071	1180	-5	37.6
4/10/2025 0:30	-0.03	1.21	100.0	22.47	2.19	33.34	711	782	795	-5.00	1070	1183	-5	37.4
4/10/2025 0:45	-0.03	1.21	100.0	29.48	2.33	33.76	727	765	771	-5.00	1071	1178	-5	37.3
4/10/2025 1:00	-0.03	1.21	100.0	28.90	2.68	33.44	753	762	718	-5.00	1063	1172	-5	37.3
4/10/2025 1:15	-0.03	1.22	100.0	24.83	2.27	33.69	752	769	645	-5.00	1048	1144	-5	36.9
4/10/2025 1:30	-0.03	1.22	100.0	31.48	2.64	34.21	758	767	696	-5.00	1065	1175	-5	36.7
4/10/2025 1:45	-0.03	1.23	100.0	26.41	2.09	34.32	763	758	742	-5.00	1080	1187	-5	36.9
4/10/2025 2:00	-0.03	1.23	100.0	26.75	2.81	34.58	737	772	787	-5.00	1073	1186	-5	36.6
4/10/2025 2:15	-0.03	1.24	100.0	34.14	3.23	35.25	721	780	805	-5.00	1067	1183	-5	36.6
4/10/2025 2:30	-0.03	1.25	100.0	33.66	3.34	36.02	743	756	762	-5.00	1069	1182	-5	36.3
4/10/2025 2:45	-0.03	1.25	100.0	27.50	2.95	36.42	720	753	797	-5.00	1069	1181	-5	35.8
4/10/2025 3:00	-0.03	1.25	100.0	27.86	2.90	36.98	695	773	790	-5.00	1057	1179	-5	35.8
4/10/2025 3:15	-0.03	1.27	100.0	20.12	2.33	36.96	734	764	729	-5.00	1058	1179	-5	36.1
4/10/2025 3:30	-0.03	1.28	100.0	24.10	2.65	36.98	745	758	729	-5.00	1051	1180	-5	35.8
4/10/2025 3:45	-0.03	1.29	100.0	32.26	3.51	36.90	720	747	738	-5.00	1041	1178	-5	36.5
4/10/2025 4:00	-0.03	1.29	100.0	35.96	2.89	37.83	727	755	715	-5.00	1029	1175	-5	37.1
4/10/2025 4:15	-0.03	1.34	100.0	37.57	2.93	31.42	733	765	691	-5.00	1029	1174	-5	36.8
4/10/2025 4:30	-0.04	1.31	100.0	56.64	3.19	37.08	731	767	664	-5.00	1026	1166	-5	37.1
4/10/2025 4:45	-0.04	1.30	100.0	37.68	2.73	31.45	732	762	700	-5.00	1021	1179	-5	37.3
4/10/2025 5:00	-0.04	1.37	100.0	29.27	3.08	33.51	729	769	686	-5.00	1011	1174	-5	37.2
4/10/2025 5:15	-0.04	1.28	100.0	25.87	2.80	29.42	721	738	727	-5.00	1017	1180	-5	37.2
4/10/2025 5:30	-0.04	1.30	100.0	24.19	2.46	38.33	722	728	738	-5.00	1020	1183	-5	37.3
4/10/2025 5:45	-0.04	1.31	100.0	27.60	2.68	38.34	720	737	753	-5.00	1029	1176	-5	37.2
4/10/2025 6:00	-0.04	1.32	100.0	41.68	3.65	37.13	722	753	766	-5.00	1038	1150	-5	37.1
4/10/2025 6:15	-0.04	1.32	100.0	31.54	3.34	36.86	723	759	765	-5.00	1045	1131	-5	37.1
4/10/2025 6:30	-0.04	1.31	100.0	30.39	3.15	36.37	735	760	755	-5.00	1050	1118	-5	37.2
4/10/2025 6:45	-0.04	1.31	100.0	40.86	3.29	35.05	738	760	746	-5.00	1057	1110	-5	37.4
4/10/2025 7:00	-0.04	1.30	100.0	24.83	3.06	34.56	733	759	732	-5.00	1066	1105	-5	37.4
4/10/2025 7:15	-0.04	1.29	100.0	21.59	1.97	35.00	745	763	731	-5.00	1064	1097	-5	37.5
4/10/2025 7:30	-0.04	1.29	100.0	23.02	2.36	34.96	744	757	725	-5.00	1077	1090	-5	37.5

Calculated Data

Flare Gas Composition

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/8/2025 11:00	0.079	0.53	0.50	0.00	52.46	0.00	1.19	0.02	0.93	38.62	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45
4/8/2025 11:15	0.088	0.59	0.50	0.00	52.43	0.00	1.19	0.02	0.93	38.60	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45
4/8/2025 11:30	0.092	0.62	0.50	0.00	52.42	0.00	1.19	0.02	0.93	38.59	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 11:45	0.094	0.63	0.50	0.00	52.41	0.00	1.19	0.02	0.93	38.58	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 12:00	0.108	0.72	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 12:15	0.108	0.73	0.50	0.00	52.36	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 12:30	0.108	0.72	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 12:45	0.111	0.75	0.50	0.00	52.35	0.00	1.19	0.02	0.93	38.54	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 13:00	0.110	0.74	0.50	0.00	52.36	0.00	1.19	0.02	0.93	38.54	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 13:15	0.103	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 13:30	0.102	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 13:45	0.104	0.71	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 14:00	0.101	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 14:15	0.105	0.72	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 14:30	0.101	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 14:45	0.100	0.69	0.50	0.00	52.39	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 15:00	0.105	0.71	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 15:15	0.110	0.75	0.50	0.00	52.35	0.00	1.19	0.02	0.93	38.54	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 15:30	0.105	0.72	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 15:45	0.102	0.70	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 16:00	0.106	0.72	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 16:15	0.109	0.75	0.50	0.00	52.35	0.00	1.19	0.02	0.93	38.54	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 16:30	0.100	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 16:45	0.104	0.71	0.50	0.00	52.37	0.00	1.19	0.02	0.93	38.55	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 17:00	0.103	0.70	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 17:15	0.097	0.66	0.50	0.00	52.40	0.00	1.19	0.02	0.93	38.57	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 17:30	0.098	0.67	0.50	0.00	52.39	0.00	1.19	0.02	0.93	38.57	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 17:45	0.102	0.70	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 18:00	0.097	0.66	0.50	0.00	52.40	0.00	1.19	0.02	0.93	38.57	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 18:15	0.095	0.65	0.50	0.00	52.41	0.00	1.19	0.02	0.93	38.58	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 18:30	0.108	0.74	0.50	0.00	52.36	0.00	1.19	0.02	0.93	38.54	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 18:45	0.102	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 19:00	0.101	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 19:15	0.100	0.69	0.50	0.00	52.38	0.00	1.19	0.02	0.93	38.56	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 19:30	0.096	0.66	0.50	0.00	52.40	0.00	1.19	0.02	0.93	38.57	2.19	0.96	0.00	0.82	0.59	0.00	0.52	0.21	0.45
4/8/2025 19:45	0.088	0.60	0.50	0.00	52.43	0.00	1.19	0.02	0.93	38.60	2.19	0.96	0.00	0.83	0.59	0.00	0.52	0.21	0.45
4/8/2025 20:00	0.086	0.59	0.38	0.00	51.75	0.00	0.38	0.01	0.92	35.70	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 20:15	0.084	0.57	0.38	0.00	51.76	0.00	0.38	0.01	0.92	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 20:30	0.084	0.57	0.38	0.00	51.76	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 20:45	0.084	0.57	0.38	0.00	51.76	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 21:00	0.083	0.56	0.38	0.00	51.76	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 21:15	0.082	0.56	0.38	0.00	51.76	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 21:30	0.082	0.56	0.38	0.00	51.76	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 21:45	0.081	0.55	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 22:00	0.081	0.55	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 22:15	0.080	0.55	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 22:30	0.080	0.55	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 22:45	0.079	0.54	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 23:00	0.079	0.54	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 23:15	0.078	0.54	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 23:30	0.078	0.53	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/8/2025 23:45	0.079	0.54	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 0:00	0.079	0.54	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 0:15	0.077	0.53	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 0:30	0.076	0.52	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 0:45	0.076	0.52	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 1:00	0.076	0.52	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 1:15	0.075	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 1:30	0.075	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 1:45	0.075	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 2:00	0.075	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 2:15	0.074	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 2:30	0.074	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 2:45	0.073	0.50	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 3:00	0.073	0.50	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 3:15	0.073	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 3:30	0.073	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 3:45	0.075	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 4:00	0.074	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 4:15	0.074	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 4:30	0.074	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 4:45	0.073	0.50	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 5:00	0.072	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 5:15	0.071	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 5:30	0.071	0.48	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 5:45	0.071	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 6:00	0.072	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 6:15	0.071	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.89
4/9/2025 6:30	0.072	0.49	0.38	0.00	51.80	0.00	0.38	0.01	0.93	35.74	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 6:45	0.074	0.51	0.38	0.00	51.79	0.00	0.38	0.01	0.93	35.73	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 7:00	0.078	0.53	0.38	0.00	51.78	0.00	0.38	0.01	0.93	35.72	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 7:15	0.081	0.55	0.38	0.00	51.77	0.00	0.38	0.01	0.93	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 7:30	0.084	0.58	0.38	0.00	51.76	0.00	0.38	0.01	0.92	35.71	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 7:45	0.093	0.64	0.38	0.00	51.72	0.00	0.38	0.01	0.92	35.68	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 8:00	0.095	0.65	0.38	0.00	51.72	0.00	0.38	0.01	0.92	35.68	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 8:15	0.107	0.73	0.38	0.00	51.67	0.00	0.38	0.01	0.92	35.65	2.49	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 8:30	0.116	0.79	0.38	0.00	51.65	0.00	0.38	0.01	0.92	35.63	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 8:45	0.119	0.81	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 9:00	0.123	0.84	0.38	0.00	51.62	0.00	0.38	0.01	0.92	35.61	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 9:15	0.123	0.84	0.38	0.00	51.62	0.00	0.38	0.01	0.92	35.61	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 9:30	0.118	0.81	0.38	0.00	51.64	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 9:45	0.118	0.80	0.38	0.00	51.64	0.00	0.38	0.01	0.92	35.63	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 10:00	0.115	0.78	0.38	0.00	51.65	0.00	0.38	0.01	0.92	35.63	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 10:15	0.118	0.80	0.38	0.00	51.64	0.00	0.38	0.01	0.92	35.63	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 10:30	0.126	0.86	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 10:45	0.120	0.82	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 11:00	0.119	0.81	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 11:15	0.120	0.82	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 11:30	0.114	0.77	0.38	0.00	51.65	0.00	0.38	0.01	0.92	35.64	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 11:45	0.119	0.81	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 12:00	0.121	0.83	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 12:15	0.120	0.82	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 12:30	0.124	0.85	0.38	0.00	51.62	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 12:45	0.127	0.86	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 13:00	0.131	0.90	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 13:15	0.132	0.90	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 13:30	0.136	0.93	0.38	0.00	51.57	0.00	0.38	0.01	0.92	35.58	2.48	1.84	0.00	1.95	1.37	0.00	1.22	0.49	0.88
4/9/2025 13:45	0.135	0.92	0.38	0.00	51.58	0.00	0.38	0.01	0.92	35.58	2.48	1.84	0.00	1.95	1.37	0.00	1.22	0.49	0.88
4/9/2025 14:00	0.127	0.87	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 14:15	0.127	0.87	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 14:30	0.125	0.85	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 14:45	0.127	0.87	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 15:00	0.128	0.87	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 15:15	0.136	0.93	0.38	0.00	51.58	0.00	0.38	0.01	0.92	35.58	2.48	1.84	0.00	1.95	1.37	0.00	1.22	0.49	0.88
4/9/2025 15:30	0.131	0.89	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 15:45	0.128	0.87	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 16:00	0.121	0.83	0.38	0.00	51.63	0.00	0.38	0.01	0.92	35.62	2.48	1.85	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 16:15	0.125	0.85	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 16:30	0.134	0.92	0.38	0.00	51.58	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 16:45	0.127	0.87	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 17:00	0.130	0.89	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 17:15	0.131	0.89	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 17:30	0.130	0.88	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 17:45	0.132	0.90	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 18:00	0.139	0.95	0.38	0.00	51.56	0.00	0.38	0.01	0.92	35.57	2.48	1.84	0.00	1.95	1.37	0.00	1.22	0.49	0.88
4/9/2025 18:15	0.141	0.96	0.38	0.00	51.56	0.00	0.38	0.01	0.92	35.57	2.48	1.84	0.00	1.95	1.37	0.00	1.21	0.49	0.88
4/9/2025 18:30	0.149	1.02	0.38	0.00	51.53	0.00	0.38	0.01	0.92	35.55	2.48	1.84	0.00	1.95	1.37	0.00	1.21	0.49	0.88
4/9/2025 18:45	0.132	0.90	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 19:00	0.131	0.89	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 19:15	0.131	0.89	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 19:30	0.132	0.90	0.38	0.00	51.59	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 19:45	0.133	0.91	0.38	0.00	51.58	0.00	0.38	0.01	0.92	35.59	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 20:00	0.129	0.88	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 20:15	0.128	0.87	0.38	0.00	51.60	0.00	0.38	0.01	0.92	35.60	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 20:30	0.126	0.86	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 20:45	0.124	0.85	0.38	0.00	51.61	0.00	0.38	0.01	0.92	35.61	2.48	1.84	0.00	1.96	1.37	0.00	1.22	0.49	0.88
4/9/2025 21:00	0.122	0.83	0.22	0.00	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 21:15	0.123	0.84	0.22	0.00	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 21:30	0.124	0.84	0.22	0.00	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 21:45	0.121	0.82	0.22	0.00	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 22:00	0.118	0.80	0.22	0.00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 22:15	0.117	0.80	0.22	0.00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 22:30	0.117	0.80	0.22	0.00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 22:45	0.117	0.80	0.22	0.00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 23:00	0.122	0.83	0.22	0.00	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 23:15	0.121	0.82	0.22	0.00	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 23:30	0.117	0.80	0.22	0.00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/9/2025 23:45	0.114	0.77	0.22	0.00	53.29	0.00	4.85	0.00	0.91	34.41	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 0:00	0.111	0.76	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 0:15	0.111	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 0:30	0.110	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 0:45	0.109	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 1:00	0.109	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 1:15	0.107	0.73	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 1:30	0.107	0.73	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 1:45	0.107	0.73	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 2:00	0.106	0.73	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 2:15	0.106	0.72	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 2:30	0.105	0.72	0.22	0.00	53.32	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 2:45	0.103	0.70	0.22	0.00	53.32	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 3:00	0.103	0.70	0.22	0.00	53.32	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 3:15	0.104	0.71	0.22	0.00	53.32	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 3:30	0.103	0.70	0.22	0.00	53.32	0.00	4.85	0.00	0.91	34.44	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 3:45	0.106	0.72	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.43	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 4:00	0.108	0.74	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 4:15	0.107	0.73	0.22	0.00	53.31	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 4:30	0.108	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 4:45	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 5:00	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 5:15	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 5:30	0.109	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 5:45	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 6:00	0.108	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 6:15	0.108	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 6:30	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 6:45	0.109	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 7:00	0.109	0.74	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 7:15	0.110	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/10/2025 7:30	0.110	0.75	0.22	0.00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37

Property Calculations / **ZTOF**

	Flare Gas Lower Flammability Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/8/2025 11:00	0.04	1127	11.09	47.41	336.6	400	1	4529	155032	4193	88326	720	0.07	14.48	14.48
4/8/2025 11:15	0.04	1127	11.09	47.41	336.6	400	1	4529	154972	4193	88326	720	0.07	14.46	14.46
4/8/2025 11:30	0.04	1126	11.09	47.41	336.6	400	1	4529	154949	4193	88326	719	0.07	14.46	14.46
4/8/2025 11:45	0.04	1126	11.10	47.41	336.6	400	1	4529	154931	4193	88326	719	0.07	14.45	14.45
4/8/2025 12:00	0.04	1125	11.10	47.41	336.6	400	1	4529	154843	4193	88326	718	0.07	14.43	14.43
4/8/2025 12:15	0.04	1125	11.10	47.41	336.6	400	1	4529	154840	4193	88326	718	0.07	14.43	14.43
4/8/2025 12:30	0.04	1125	11.10	47.41	336.6	400	1	4529	154843	4193	88326	718	0.07	14.43	14.43
4/8/2025 12:45	0.04	1125	11.10	47.41	336.6	400	1	4529	154820	4193	88326	718	0.07	14.43	14.43
4/8/2025 13:00	0.04	1125	11.10	47.41	336.6	400	1	4529	154823	4193	88326	718	0.07	14.43	14.43
4/8/2025 13:15	0.04	1126	11.10	47.41	336.6	400	1	4529	154872	4193	88326	719	0.07	14.44	14.44
4/8/2025 13:30	0.04	1126	11.10	47.41	336.6	400	1	4529	154872	4193	88326	719	0.07	14.44	14.44
4/8/2025 13:45	0.04	1126	11.10	47.41	336.6	400	1	4529	154855	4193	88326	719	0.07	14.44	14.44
4/8/2025 14:00	0.04	1126	11.10	47.41	336.6	400	1	4529	154874	4193	88326	719	0.07	14.44	14.44
4/8/2025 14:15	0.04	1125	11.10	47.41	336.6	400	1	4529	154846	4193	88326	718	0.07	14.43	14.43
4/8/2025 14:30	0.04	1126	11.10	47.41	336.6	400	1	4529	154878	4193	88326	719	0.07	14.44	14.44
4/8/2025 14:45	0.04	1126	11.10	47.41	336.6	400	1	4529	154880	4193	88326	719	0.07	14.44	14.44
4/8/2025 15:00	0.04	1125	11.10	47.41	336.6	400	1	4529	154852	4193	88326	718	0.07	14.44	14.44
4/8/2025 15:15	0.04	1125	11.10	47.41	336.6	400	1	4529	154817	4193	88326	718	0.07	14.43	14.43
4/8/2025 15:30	0.04	1125	11.10	47.41	336.6	400	1	4529	154850	4193	88326	718	0.07	14.44	14.44
4/8/2025 15:45	0.04	1126	11.10	47.41	336.6	400	1	4529	154868	4193	88326	719	0.07	14.44	14.44
4/8/2025 16:00	0.04	1125	11.10	47.41	336.6	400	1	4529	154844	4193	88326	718	0.07	14.43	14.43
4/8/2025 16:15	0.04	1125	11.10	47.41	336.6	400	1	4529	154821	4193	88326	718	0.07	14.43	14.43
4/8/2025 16:30	0.04	1126	11.10	47.41	336.6	400	1	4529	154880	4193	88326	719	0.07	14.44	14.44
4/8/2025 16:45	0.04	1125	11.10	47.41	336.6	400	1	4529	154856	4193	88326	719	0.07	14.44	14.44
4/8/2025 17:00	0.04	1125	11.10	47.41	336.6	400	1	4529	154863	4193	88326	719	0.07	14.44	14.44
4/8/2025 17:15	0.04	1126	11.10	47.41	336.6	400	1	4529	154902	4193	88326	719	0.07	14.45	14.45
4/8/2025 17:30	0.04	1126	11.10	47.41	336.6	400	1	4529	154899	4193	88326	719	0.07	14.45	14.45
4/8/2025 17:45	0.04	1125	11.10	47.41	336.6	400	1	4529	154868	4193	88326	719	0.07	14.44	14.44
4/8/2025 18:00	0.04	1126	11.10	47.41	336.6	400	1	4529	154904	4193	88326	719	0.07	14.45	14.45
4/8/2025 18:15	0.04	1126	11.10	47.41	336.6	400	1	4529	154920	4193	88326	719	0.07	14.45	14.45
4/8/2025 18:30	0.04	1125	11.10	47.41	336.6	400	1	4529	154827	4193	88326	718	0.07	14.43	14.43
4/8/2025 18:45	0.04	1126	11.10	47.41	336.6	400	1	4529	154872	4193	88326	719	0.07	14.44	14.44
4/8/2025 19:00	0.04	1126	11.10	47.41	336.6	400	1	4529	154879	4193	88326	719	0.07	14.44	14.44
4/8/2025 19:15	0.04	1126	11.10	47.41	336.6	400	1	4529	154880	4193	88326	719	0.07	14.44	14.44
4/8/2025 19:30	0.04	1126	11.10	47.41	336.6	400	1	4529	154908	4193	88326	719	0.07	14.45	14.45
4/8/2025 19:45	0.04	1127	11.09	47.41	336.6	400	1	4529	154967	4193	88326	719	0.07	14.46	14.46
4/8/2025 20:00	0.04	1225	13.02	47.89	340.0	400	1	4529	132024	4193	88326	736	0.06	9.48	9.48
4/8/2025 20:15	0.04	1225	13.02	47.89	340.0	400	1	4529	132030	4193	88326	736	0.06	9.48	9.48
4/8/2025 20:30	0.04	1225	13.02	47.89	340.0	400	1	4529	132032	4193	88326	736	0.06	9.48	9.48
4/8/2025 20:45	0.04	1225	13.02	47.89	340.0	400	1	4529	132032	4193	88326	736	0.06	9.48	9.48
4/8/2025 21:00	0.04	1225	13.02	47.89	340.0	400	1	4529	132035	4193	88326	736	0.06	9.48	9.48
4/8/2025 21:15	0.04	1225	13.02	47.89	340.0	400	1	4529	132038	4193	88326	736	0.06	9.49	9.49
4/8/2025 21:30	0.04	1225	13.02	47.89	340.0	400	1	4529	132038	4193	88326	736	0.06	9.49	9.49
4/8/2025 21:45	0.04	1225	13.02	47.89	340.0	400	1	4529	132041	4193	88326	736	0.06	9.49	9.49
4/8/2025 22:00	0.04	1225	13.02	47.89	340.0	400	1	4529	132041	4193	88326	736	0.06	9.49	9.49
4/8/2025 22:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132043	4193	88326	736	0.06	9.49	9.49
4/8/2025 22:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132045	4193	88326	736	0.06	9.49	9.49
4/8/2025 22:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132048	4193	88326	736	0.06	9.49	9.49
4/8/2025 23:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132049	4193	88326	736	0.06	9.49	9.49
4/8/2025 23:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132051	4193	88326	736	0.06	9.49	9.49
4/8/2025 23:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132052	4193	88326	736	0.06	9.49	9.49
4/8/2025 23:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132050	4193	88326	736	0.06	9.49	9.49
4/9/2025 0:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132050	4193	88326	736	0.06	9.49	9.49
4/9/2025 0:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132054	4193	88326	736	0.06	9.49	9.49
4/9/2025 0:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132058	4193	88326	736	0.06	9.49	9.49
4/9/2025 0:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132058	4193	88326	736	0.06	9.49	9.49
4/9/2025 1:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132061	4193	88326	737	0.06	9.49	9.49
4/9/2025 1:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132062	4193	88326	737	0.06	9.49	9.49
4/9/2025 1:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132062	4193	88326	737	0.06	9.49	9.49
4/9/2025 1:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132064	4193	88326	737	0.06	9.49	9.49
4/9/2025 2:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132063	4193	88326	737	0.06	9.49	9.49
4/9/2025 2:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132065	4193	88326	737	0.06	9.49	9.49
4/9/2025 2:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132067	4193	88326	737	0.06	9.49	9.49
4/9/2025 2:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132070	4193	88326	737	0.06	9.49	9.49
4/9/2025 3:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132070	4193	88326	737	0.06	9.49	9.49
4/9/2025 3:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132070	4193	88326	737	0.06	9.49	9.49
4/9/2025 3:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132068	4193	88326	737	0.06	9.49	9.49
4/9/2025 3:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132062	4193	88326	737	0.06	9.49	9.49
4/9/2025 4:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132067	4193	88326	737	0.06	9.49	9.49
4/9/2025 4:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132067	4193	88326	737	0.06	9.49	9.49
4/9/2025 4:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132067	4193	88326	737	0.06	9.49	9.49
4/9/2025 4:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132070	4193	88326	737	0.06	9.49	9.49
4/9/2025 5:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132072	4193	88326	737	0.06	9.49	9.49
4/9/2025 5:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132076	4193	88326	737	0.06	9.50	9.50
4/9/2025 5:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132078	4193	88326	737	0.06	9.50	9.50
4/9/2025 5:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132077	4193	88326	737	0.06	9.50	9.50
4/9/2025 6:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132075	4193	88326	737	0.06	9.50	9.50
4/9/2025 6:15	0.04	1226	13.02	47.89	340.0	400	1	4529	132076	4193	88326	737	0.06	9.50	9.50
4/9/2025 6:30	0.04	1226	13.02	47.89	340.0	400	1	4529	132073	4193	88326	737	0.06	9.49	9.49
4/9/2025 6:45	0.04	1226	13.02	47.89	340.0	400	1	4529	132066	4193	88326	737	0.06	9.49	9.49
4/9/2025 7:00	0.04	1226	13.02	47.89	340.0	400	1	4529	132054	4193	88326	736	0.06	9.49	9.49
4/9/2025 7:15	0.04	1225	13.02	47.89	340.0	400	1	4529	132041	4193	88326	736	0.06	9.49	9.49
4/9/2025 7:30	0.04	1225	13.02	47.89	340.0	400	1	4529	132029	4193	88326	736	0.06	9.48	9.48
4/9/2025 7:45	0.04	1224	13.02	47.89	340.0	400	1	4529	131997	4193	88326	736	0.06	9.48	9.48
4/9/2025 8:00	0.04	1224	13.02	47.89	340.0	400	1	4529	131991	4193	88326	735	0.06	9.47	9.47
4/9/2025 8:15	0.04	1223	13.03	47.89	340.0	400	1	4529	131946	4193	88326	735	0.06	9.46	9.46
4/9/2025 8:30	0.04	1223	13.03	47.89	340.0	400	1	4529	131917	4193	88326	734	0.06	9.46	9.46
4/9/2025 8:45	0.04	1222	13.03	47.89	340.0	400	1	4529	131906	4193	88326	734	0.06	9.45	9.45
4/9/2025 9:00	0.04	1222	13.03	47.89	340.0	400	1	4529	131891	4193	88326	734	0.06	9.45	9.45
4/9/2025 9:15	0.04	1222	13.03	47.89	340.0	400	1	4529	131891	4193	88326	734	0.06	9.45	9.45
4/9/2025 9:30	0.04	1222	13.03	47.89	340.0	400	1	4529	131908	4193	88326	734	0.06	9.45	9.45
4/9/2025 9:45	0.04	1222	13.03	47.89	340.0	400	1	4529	131910	4193	88326	734	0.06	9.45	9.45
4/9/2025 10:00	0.04	1223	13.03	47.89	340.0	400	1	4529	131919	4193	88326	734	0.06	9.46	9.46
4/9/2025 10:15	0.04	1222	13.03	47.89	340.0	400	1	4529	131909	4193	88326	734	0.06	9.45	9.45
4/9/2025 10:30	0.04	1222	13.04	47.89	340.0	400	1	4529	131879	4193	88326	734	0.06	9.45	9.45
4/9/2025 10:45	0.04	1222	13.03	47.89	340.0	400	1	4529	131899	4193	88326	734	0.06	9.45	9.45
4/9/2025 11:00	0.04	1222	13.03	47.89	340.0	400	1	4529	131905	4193	88326	734	0.06	9.45	9.45
4/9/2025 11:15	0.04	1222	13.03	47.89	340.0	400	1	4529	131902	4193	88326	734	0.06	9.45	9.45
4/9/2025 11:30	0.04	1223	13.03	47.89	340.0	400	1	4529	131924	4193	88326	734	0.06	9.46	9.46
4/9/2025 11:45	0.04	1222	13.03	47.89	340.0	400	1	4529	131904	4193	88326	734	0.06	9.45	9.45
4/9/2025 12:00	0.04	1222	13.03	47.89	340.0	400	1	4529	131897	4193	88326	734	0.06	9.45	9.45
4/9/2025 12:15	0.04	1222	13.03	47.89	340.0	400	1	4529	131900	4193	88326	734	0.06	9.45	9.45
4/9/2025 12:30	0.04	1222	13.03	47.89	340.0	400	1	4529	131886	4193	88326	734	0.06	9.45	9.45
4/9/2025 12:45	0.04	1222	13.04	47.89	340.0	400	1	4529	131877	4193	88326	734	0.06	9.45	9.45
4/9/2025 13:00	0.04	1221	13.04	47.89	340.0	400	1	4529	131860	4193	88326	733	0.06	9.44	9.44
4/9/2025 13:15	0.04	1221	13.04	47.89	340.0	400	1	4529	131857	4193	88326	733	0.06	9.44	9.44
4/9/2025 13:30	0.04	1221	13.04	47.89	340.0	400	1	4529	131842	4193	88326	733	0.06	9.44	9.44
4/9/2025 13:45	0.04	1221	13.04	47.89	340.0	400	1	4529	131846	4193	88326	733	0.06	9.44	9.44
4/9/2025 14:00	0.04	1222	13.04	47.89	340.0	400	1	4529	131876	4193	88326	734	0.06	9.45	9.45
4/9/2025 14:15	0.04	1222	13.04	47.89	340.0	400	1	4529	131874	4193	88326	734	0.06	9.44	9.44
4/9/2025 14:30	0.04	1222	13.03	47.89	340.0	400	1	4529	131883	4193	88326	734	0.06	9.45	9.45
4/9/2025 14:45	0.04	1222	13.04	47.89	340.0	400	1	4529	131876	4193	88326	734	0.06	9.45	9.45
4/9/2025 15:00	0.04	1222	13.04	47.89	340.0	400	1	4529	131873	4193	88326	734	0.06	9.44	9.44
4/9/2025 15:15	0.04	1221	13.04	47.89	340.0	400	1	4529	131844	4193	88326	733	0.06	9.44	9.44
4/9/2025 15:30	0.04	1221	13.04	47.89	340.0	400	1	4529	131862	4193	88326	733	0.06	9.44	9.44
4/9/2025 15:45	0.04	1222	13.04	47.89	340.0	400	1	4529	131873	4193	88326	734	0.06	9.44	9.44
4/9/2025 16:00	0.04	1222	13.03	47.89	340.0	400	1	4529	131896	4193	88326	734	0.06	9.45	9.45
4/9/2025 16:15	0.04	1222	13.03	47.89	340.0	400	1	4529	131885	4193	88326	734	0.06	9.45	9.45
4/9/2025 16:30	0.04	1221	13.04	47.89	340.0	400	1	4529	131849	4193	88326	733	0.06	9.44	9.44
4/9/2025 16:45	0.04	1222	13.04	47.89	340.0	400	1	4529	131876	4193	88326	734	0.06	9.45	9.45
4/9/2025 17:00	0.04	1221	13.04	47.89	340.0	400	1	4529	131865	4193	88326	733	0.06	9.44	9.44
4/9/2025 17:15	0.04	1221	13.04	47.89	340.0	400	1	4529	131863	4193	88326	733	0.06	9.44	9.44
4/9/2025 17:30	0.04	1221	13.04	47.89	340.0	400	1	4529	131866	4193	88326	733	0.06	9.44	9.44
4/9/2025 17:45	0.04	1221	13.04	47.89	340.0	400	1	4529	131858	4193	88326	733	0.06	9.44	9.44
4/9/2025 18:00	0.04	1221	13.04	47.89	340.0	400	1	4529	131832	4193	88326	733	0.06	9.43	9.43
4/9/2025 18:15	0.04	1220	13.04	47.89	340.0	400	1	4529	131824	4193	88326	733	0.06	9.43	9.43
4/9/2025 18:30	0.04	1220	13.04	47.89	340.0	400	1	4529	131795	4193	88326	732	0.06	9.43	9.43
4/9/2025 18:45	0.04	1221	13.04	47.89	340.0	400	1	4529	131857	4193	88326	733	0.06	9.44	9.44
4/9/2025 19:00	0.04	1221	13.04	47.89	340.0	400	1	4529	131863	4193	88326	733	0.06	9.44	9.44
4/9/2025 19:15	0.04	1221	13.04	47.89	340.0	400	1	4529	131863	4193	88326	733	0.06	9.44	9.44
4/9/2025 19:30	0.04	1221	13.04	47.89	340.0	400	1	4529	131857	4193	88326	733	0.06	9.44	9.44
4/9/2025 19:45	0.04	1221	13.04	47.89	340.0	400	1	4529	131853	4193	88326	733	0.06	9.44	9.44
4/9/2025 20:00	0.04	1222	13.04	47.89	340.0	400	1	4529	131869	4193	88326	733	0.06	9.44	9.44
4/9/2025 20:15	0.04	1222	13.04	47.89	340.0	400	1	4529	131873	4193	88326	734	0.06	9.44	9.44
4/9/2025 20:30	0.04	1222	13.03	47.89	340.0	400	1	4529	131880	4193	88326	734	0.06	9.45	9.45
4/9/2025 20:45	0.04	1222	13.03	47.89	340.0	400	1	4529	131885	4193	88326	734	0.06	9.45	9.45
4/9/2025 21:00	0.04	1091	11.27	47.56	337.7	400	1	4529	152484	4193	88326	693	0.07	6.22	6.22
4/9/2025 21:15	0.04	1091	11.27	47.56	337.7	400	1	4529	152480	4193	88326	693	0.07	6.22	6.22
4/9/2025 21:30	0.04	1091	11.27	47.56	337.7	400	1	4529	152476	4193	88326	693	0.07	6.22	6.22
4/9/2025 21:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152495	4193	88326	693	0.07	6.22	6.22
4/9/2025 22:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152514	4193	88326	694	0.07	6.22	6.22
4/9/2025 22:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152519	4193	88326	694	0.07	6.22	6.22
4/9/2025 22:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152519	4193	88326	694	0.07	6.22	6.22
4/9/2025 22:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152519	4193	88326	694	0.07	6.22	6.22
4/9/2025 23:00	0.04	1091	11.27	47.56	337.7	400	1	4529	152484	4193	88326	693	0.07	6.22	6.22
4/9/2025 23:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152494	4193	88326	693	0.07	6.22	6.22
4/9/2025 23:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152517	4193	88326	694	0.07	6.22	6.22
4/9/2025 23:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152541	4193	88326	694	0.07	6.23	6.23
4/10/2025 0:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152557	4193	88326	694	0.07	6.23	6.23
4/10/2025 0:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152560	4193	88326	694	0.07	6.23	6.23
4/10/2025 0:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152565	4193	88326	694	0.07	6.23	6.23
4/10/2025 0:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152568	4193	88326	694	0.07	6.23	6.23
4/10/2025 1:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152567	4193	88326	694	0.07	6.23	6.23
4/10/2025 1:15	0.04	1093	11.27	47.56	337.7	400	1	4529	152581	4193	88326	694	0.07	6.23	6.23
4/10/2025 1:30	0.04	1093	11.27	47.56	337.7	400	1	4529	152584	4193	88326	694	0.07	6.23	6.23
4/10/2025 1:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152580	4193	88326	694	0.07	6.23	6.23
4/10/2025 2:00	0.04	1093	11.27	47.56	337.7	400	1	4529	152587	4193	88326	694	0.07	6.23	6.23
4/10/2025 2:15	0.04	1093	11.27	47.56	337.7	400	1	4529	152588	4193	88326	694	0.07	6.23	6.23
4/10/2025 2:30	0.04	1093	11.27	47.56	337.7	400	1	4529	152595	4193	88326	694	0.07	6.23	6.23
4/10/2025 2:45	0.04	1093	11.26	47.56	337.7	400	1	4529	152608	4193	88326	694	0.07	6.23	6.23
4/10/2025 3:00	0.04	1093	11.26	47.56	337.7	400	1	4529	152608	4193	88326	694	0.07	6.23	6.23
4/10/2025 3:15	0.04	1093	11.26	47.56	337.7	400	1	4529	152602	4193	88326	694	0.07	6.23	6.23
4/10/2025 3:30	0.04	1093	11.26	47.56	337.7	400	1	4529	152610	4193	88326	694	0.07	6.23	6.23
4/10/2025 3:45	0.04	1093	11.27	47.56	337.7	400	1	4529	152592	4193	88326	694	0.07	6.23	6.23
4/10/2025 4:00	0.04	1093	11.27	47.56	337.7	400	1	4529	152575	4193	88326	694	0.07	6.23	6.23
4/10/2025 4:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152583	4193	88326	694	0.07	6.23	6.23
4/10/2025 4:30	0.04	1093	11.27	47.56	337.7	400	1	4529	152574	4193	88326	694	0.07	6.23	6.23
4/10/2025 4:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152569	4193	88326	694	0.07	6.23	6.23
4/10/2025 5:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152572	4193	88326	694	0.07	6.23	6.23
4/10/2025 5:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152570	4193	88326	694	0.07	6.23	6.23
4/10/2025 5:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152568	4193	88326	694	0.07	6.23	6.23
4/10/2025 5:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152571	4193	88326	694	0.07	6.23	6.23
4/10/2025 6:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152573	4193	88326	694	0.07	6.23	6.23
4/10/2025 6:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152573	4193	88326	694	0.07	6.23	6.23
4/10/2025 6:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152571	4193	88326	694	0.07	6.23	6.23
4/10/2025 6:45	0.04	1092	11.27	47.56	337.7	400	1	4529	152567	4193	88326	694	0.07	6.23	6.23
4/10/2025 7:00	0.04	1092	11.27	47.56	337.7	400	1	4529	152566	4193	88326	694	0.07	6.23	6.23
4/10/2025 7:15	0.04	1092	11.27	47.56	337.7	400	1	4529	152564	4193	88326	694	0.07	6.23	6.23
4/10/2025 7:30	0.04	1092	11.27	47.56	337.7	400	1	4529	152563	4193	88326	694	0.07	6.23	6.23

36Inch Flare								24Inch Flare								Pit Flare						
36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
2.8					NHVcz			3								5.5						
	lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%
4/10/2025 7:45	-0.04	1.29	100.0	25.36	2.35	35.60	735	758	718	-5.00	1078	1091	-5	37.5	0.110	0.75	0.22	0.00
4/10/2025 8:00	-0.04	1.29	100.0	39.55	3.08	35.90	735	763	712	-5.00	1089	1084	-5	37.7	0.111	0.76	0.22	0.00
4/10/2025 8:15	-0.04	1.29	100.0	39.04	2.97	36.43	774	743	701	-5.00	1036	1122	-5	38.7	0.115	0.79	0.22	0.00
4/10/2025 8:30	-0.04	1.29	100.0	25.71	2.96	35.42	778	749	668	-5.00	983	1196	-5	39.9	0.121	0.82	0.22	0.00
4/10/2025 8:45	-0.04	1.29	100.0	27.90	2.80	34.87	770	744	679	-5.00	989	1203	-5	40.2	0.122	0.84	0.22	0.00
4/10/2025 9:00	-0.04	1.29	100.0	25.04	2.41	34.94	774	741	672	-5.00	980	1200	-5	40.3	0.123	0.84	0.22	0.00
4/10/2025 9:15	-0.04	1.28	100.0	24.49	2.24	33.89	766	735	684	-5.00	1001	1181	-5	39.8	0.120	0.82	0.22	0.00
4/10/2025 9:30	-0.04	1.28	100.0	30.91	2.24	33.78	767	734	690	-5.00	1008	1178	-5	40.0	0.121	0.83	0.22	0.00
4/10/2025 9:45	-0.04	1.27	100.0	18.45	1.82	33.16	767	734	694	-5.00	1006	1185	-5	40.7	0.125	0.85	0.22	0.00
4/10/2025 10:00	-0.03	1.27	100.0	28.53	2.26	32.16	767	733	699	-5.00	1008	1187	-5	40.7	0.125	0.85	0.22	0.00
4/10/2025 10:15	-0.03	1.26	100.0	17.35	1.93	32.78	764	738	694	-5.00	999	1204	-5	40.6	0.124	0.85	0.22	0.00
4/10/2025 10:30	-0.03	1.26	100.0	20.84	2.18	33.06	766	744	689	-5.00	989	1199	-5	40.4	0.123	0.84	0.22	0.00
4/10/2025 10:45	-0.03	1.26	100.0	46.24	3.31	32.52	771	737	690	-5.00	1006	1188	-5	41.6	0.129	0.88	0.22	0.00
4/10/2025 11:00	-0.03	1.25	100.0	29.96	2.59	31.54	775	741	678	-5.00	1007	1188	-5	42.9	0.136	0.93	0.22	0.00
4/10/2025 11:15	-0.03	1.24	100.0	46.27	2.68	32.33	775	737	662	-5.00	1000	1154	-5	40.8	0.125	0.85	0.22	0.00
4/10/2025 11:30	-0.03	1.24	100.0	34.46	2.25	32.30	775	735	665	-5.00	1001	1124	-5	39.8	0.120	0.82	0.22	0.00
4/10/2025 11:45	-0.03	1.24	100.0	22.38	2.47	32.65	774	732	671	-5.00	1008	1103	-5	39.3	0.118	0.81	0.22	0.00
4/10/2025 12:00	-0.03	1.23	100.0	28.32	2.36	32.62	770	737	703	-5.00	1081	1068	-5	39.4	0.118	0.81	0.22	0.00
4/10/2025 12:15	-0.03	1.23	100.0	37.50	2.63	32.46	730	761	688	-5.00	1157	1077	-5	39.4	0.118	0.81	0.22	0.00
4/10/2025 12:30	-0.03	1.23	100.0	32.13	2.67	31.74	752	757	696	-5.00	1126	1057	-5	39.8	0.120	0.82	0.22	0.00
4/10/2025 12:45	-0.03	1.23	100.0	24.80	2.51	32.25	777	730	693	-5.00	1077	1043	-5	39.0	0.117	0.80	0.22	0.00
4/10/2025 13:00	-0.03	1.22	100.0	49.49	2.98	31.35	760	733	693	-5.00	1153	1040	-5	39.0	0.117	0.80	0.22	0.00
4/10/2025 13:15	-0.03	1.22	100.0	34.74	2.84	32.17	771	736	693	-5.00	1119	1038	-5	38.5	0.114	0.78	0.22	0.00
4/10/2025 13:30	-0.03	1.22	100.0	27.09	2.77	31.76	779	727	693	-5.00	1074	1032	-5	37.9	0.112	0.76	0.22	0.00
4/10/2025 13:45	-0.03	1.21	100.0	32.11	2.19	32.42	778	728	688	-5.00	1067	1033	-5	36.8	0.107	0.73	0.22	0.00
4/10/2025 14:00	-0.03	1.21	100.0	59.53	2.98	31.21	783	726	694	-5.00	1053	1031	-5	36.6	0.106	0.72	0.22	0.00
4/10/2025 14:15	-0.04	1.21	100.0	23.59	2.71	32.10	781	726	671	-5.00	1017	1025	-5	36.7	0.106	0.73	0.22	0.00
4/10/2025 14:30	-0.03	1.21	100.0	14.16	1.57	32.92	780	715	691	-5.00	1082	1014	-5	36.6	0.106	0.72	0.22	0.00
4/10/2025 14:45	-0.04	1.20	100.0	20.56	1.85	33.04	778	719	664	-5.00	1020	1008	-5	36.4	0.105	0.72	0.22	0.00
4/10/2025 15:00	-0.04	1.21	100.0	31.99	2.54	33.13	779	716	668	-5.00	1015	1008	-5	36.0	0.104	0.71	0.22	0.00
4/10/2025 15:15	-0.04	1.20	100.0	25.15	2.17	31.92	780	720	666	-5.00	1027	1011	-5	35.8	0.103	0.70	0.22	0.00
4/10/2025 15:30	-0.04	1.20	100.0	13.14	2.05	32.56	779	710	678	-5.00	1030	1000	-5	35.5	0.101	0.69	0.22	0.00
4/10/2025 15:45	-0.04	1.20	100.0	20.11	1.91	31.92	772	705	693	-5.00	1078	998	-5	35.3	0.101	0.69	0.22	0.00
4/10/2025 16:00	-0.04	1.20	100.0	9.11	1.57	32.63	772	710	689	-5.00	1082	1003	-5	35.4	0.101	0.69	0.22	0.00
4/10/2025 16:15	-0.04	1.20	100.0	20.73	1.60	32.78	760	701	686	-5.00	1140	1005	-5	35.3	0.101	0.69	0.22	0.00
4/10/2025 16:30	-0.04	1.20	100.0	30.76	2.17	33.23	761	712	690	-5.00	1134	1012	-5	35.3	0.101	0.69	0.22	0.00
4/10/2025 16:45	-0.04	1.20	100.0	37.83	2.08	33.00	767	718	697	-5.00	1124	1019	-5	35.4	0.101	0.69	0.22	0.00
4/10/2025 17:00	-0.04	1.20	100.0	24.00	2.60	32.14	765	722	695	-5.00	1136	1024	-5	35.3	0.101	0.69	0.22	0.00
4/10/2025 17:15	-0.04	1.20	100.0	26.10	2.74	32.62	769	712	693	-5.00	1109	1014	-5	35.2	0.100	0.68	0.22	0.00
4/10/2025 17:30	-0.04	1.20	100.0	20.56	2.22	33.10	763	703	690	-5.00	1124	1002	-5	35.1	0.100	0.68	0.22	0.00
4/10/2025 17:45	-0.04	1.20	100.0	33.61	2.93	33.12	758	710	687	-5.00	1157	1014	-5	34.8	0.099	0.67	0.22	0.00
4/10/2025 18:00	-0.04	1.20	100.0	28.09	2.67	33.88	752	716	685	-5.00	1187	1017	-5	34.7	0.099	0.67	0.38	0.00
4/10/2025 18:15	-0.04	1.20	100.0	30.95	2.98	33.45	752	717	712	-5.00	1174	1021	-5	34.6	0.098	0.67	0.38	0.00
4/10/2025 18:30	-0.04	1.20	100.0	31.47	2.78	34.02	751	718	701	-5.00	1175	1018	-5	34.7	0.099	0.67	0.38	0.00
4/10/2025 18:45	-0.04	1.20	100.0	44.39	2.89	33.48	759	714	715	-5.00	1150	1015	-5	34.9	0.099	0.68	0.38	0.00
4/10/2025 19:00	-0.04	1.20	100.0	24.30	2.56	33.90	753	725	702	-5.00	1203	1029	-5	34.9	0.099	0.68	0.38	0.00
4/10/2025 19:15	-0.04	1.20	100.0	23.77	1.71	34.68	748	731	684	-5.00	1217	1034	-5	35.0	0.100	0.68	0.38	0.00
4/10/2025 19:30	-0.04	1.20	100.0	24.52	1.66	34.11	744	739	679	-5.00	1223	1042	-5	35.2	0.101	0.69	0.38	0.00
4/10/2025 19:45	-0.04	1.21	100.0	23.57	2.74	34.65	741	749	684	-5.00	1246	1047	-5	35.3	0.101	0.69	0.38	0.00
4/10/2025 20:00	-0.04	1.22	100.0	27.76	3.16	35.50	742	748	688	-5.00	1255	1044	-5	35.4	0.101	0.69	0.38	0.00
4/10/2025 20:15	-0.04	1.22	100.0	29.59	2.98	35.88	737	754	691	-5.00	1199	1046	-5	35.5	0.102	0.69	0.38	0.00
4/10/2025 20:30	-0.04	1.23	100.0	30.21	3.14	35.31	730	766	699	-5.00	1191	1062	-5	35.6	0.102	0.70	0.38	0.00
4/10/2025 20:45	-0.04	1.23	100.0	33.60	2.92	35.57	728	771	684	-5.00	1152	1072	-5	35.7	0.102	0.70	0.38	0.00
4/10/2025 21:00	-0.04	1.23	100.0	36.85	3.52	34.91	723	780	668	-5.00	1058	1103	-5	35.5	0.102	0.69	0.38	0.00
4/10/2025 21:15	-0.04	1.23	100.0	42.76	3.28	35.39	698	779	701	-5.00	1063	1116	-5	35.5	0.102	0.69	0.38	0.00
4/10/2025 21:30	-0.04	1.24	100.0	41.13	3.35	35.45	709	779	682	-5.00	1053	1116	-5	35.5	0.102	0.69	0.38	0.00
4/10/2025 21:45	-0.04	1.24	100.0	32.53	2.63	35.53	709	780	678	-5.00	1046	1115	-5	35.6	0.102	0.70	0.38	0.00
4/10/2025 22:00	-0.04	1.24	100.0	30.24	2.87	36.05	705	782	679	-5.00	1050	1111	-5	35.6	0.102	0.70	0.38	0.00
4/10/2025 22:15	-0.04	1.25	100.0	29.99	2.65	36.14	701	778	684	-5.00	1051	1117	-5	35.7	0.102	0.70	0.38	0.00
4/10/2025 22:30	-0.04	1.25	100.0	28.48	2.69	35.73	715	778	667	-5.00	1043	1115	-5	35.8	0.103	0.70	0.38	0.00
4/10/2025 22:45	-0.04	1.26	100.0	31.76	2.64	35.69	721	780	664	-5.00	1047	1115	-5	35.9	0.103	0.70	0.38	0.00
4/10/2025 23:00	-0.04	1.26	100.0	26.47	2.96	36.16	712	779	666	-5.00	1046	1115	-5	35.9	0.103	0.71	0.38	0.00
4/10/2025 23:15	-0.04	1.26	100.0	26.81	2.64	36.24	708	782	680	-5.00	1064	1113	-5	36.0	0.104	0.71	0.38	0.00
4/10/2025 23:30	-0.04	1.27	100.0	19.52	2.86	36.71	701	776	695	-5.00	1079	1121	-5	36.0	0.103	0.71	0.38	0.00
4/10/2025 23:45	-0.04	1.27	100.0	33.58	3.01	36.61	708	774	693	-5.00	1084	1116	-5	35.9	0.103	0.70	0.38	0.00
4/11/2025 0:00	-0.04	1.28	100.0	29.44	3.01	36.67	705	774	697	-5.00	1078	1118	-5	35.9	0.103	0.70	0.38	0.00
4/11/2025 0:15	-0.04	1.28	100.0	30.18	2.94	35.97	702	775	702	-5.00	1086	1124	-5	35.9	0.103	0.71	0.38	0.00
4/11/2025 0:30	-0.04	1.28	100.0	28.89	2.84	36.77	704	773	702	-5.00	1076	1121	-5	36.0	0.104	0.71	0.38	0.00
4/11/2025 0:45	-0.04	1.29	100.0	28.96	2.70	36.95	699	773	723	-5.00	1074	1127	-5	36.0	0.104	0.71	0.38	0.00
4/11/2025 1:00	-0.04	1.30	100.0	28.91	2.71	36.44	698	773	709	-5.00	1072	1122	-5	36.2	0.104	0.71	0.38	0.00
4/11/2025 1:15	-0.04	1.30	100.0	32.80	3.42	36.36	698	772	726	-5.00	1073	1136	-5	36.3	0.105	0.72	0.38	0.00
4/11/2025 1:30	-0.04	1.30	100.0	40.76	3.24	36.99	702	771	723	-5.00	1079	1135	-5	36.2	0.105	0.71	0.38	0.00
4/11/2025 1:45	-0.04	1.30	100.0	25.76	2.77	36.80	704	770	715	-5.00	1078	1128	-5	36.2	0.104	0.71	0.38	0.00
4/11/2025 2:00	-0.04	1.31	100.0	34.06	2.90	36.90	709	769	710	-5.00	1077	1127	-5	36.3	0.105	0.71	0.38	0.00
4/11/2025 2:15	-0.04	1.31	100.0	30.68	3.20	37.00	711	770	712	-5.00	1095	1123	-5	36.2	0.105	0.71	0.38	0.00
4/11/2025 2:30	-0.04	1.31	100.0	19.91	2.22	36.97	707	771	722	-5.00	1084	1120	-5	36.2	0.104	0.71	0.38	0.00
4/11/2025 2:45	-0.04	1.32	100.0	19.86	3.05	36.73	710	773	714	-5.00	1092	1127	-5	36.2	0.104	0.71	0.38	0.00
4/11/2025 3:00	-0.04	1.32	100.0	29.26	2.87	37.26	711	772	718	-5.00	1092	1117	-5	36.1	0.104	0.71	0.38	0.00
4/11/2025 3:15	-0.04	1.32	100.0	28.69	3.13	36.56	715	772	709	-5.00	1097	1111	-5	36.1	0.104	0.71	0.38	0.00
4/11/2025 3:30	-0.04	1.32	100.0	33.00	2.83	35.43	711	774	721	-5.00	1108	1115	-5	35.9	0.103	0.71	0.38	0.00
4/11/2025 3:45	-0.04	1.33	100.0	29.24	2.69	36.04	718	773	708	-5.00	1143	1098	-5	35.7	0.103	0.70	0.38	0.00
4/11/2025 4:00	-0.04	1.32	100.0	24.22	3.01	36.43	716	772	702	-5.00	1144	1097	-5	35.6	0.102	0.70	0.38	0.00
4/11/2025 4:15	-0.04	1.33	100.0	37.32	2.47	36.30	714	772	707	-5.00	1127	1103	-5	35.5	0.102	0.69	0.38	0.00
4/11/2025 4:30	-0.04	1.33	100.0	29.06	2.92	36.14	718	772	707	-5.00	1126	1108	-5	35.4	0.101	0.69	0.38	0.00
4/11/2025 4:45	-0.04	1.33	100.0	32.50	3.03	36.35	717	774	710	-5.00	1127	1103	-5	35.4	0.101	0.69	0.38	0.00
4/11/2025 5:00	-0.04	1.34	100.0	24.14	2.76	36.36	717	771	698	-5.00	1135	1108	-5	35.2	0.101	0.69	0.38	0.00
4/11/2025 5:15	-0.04	1.34	100.0	25.10	3.01	36.34	716	769	704	-5.00	1136	1101	-5	35.2	0.101	0.69	0.38	0.00
4/11/2025 5:30	-0.04	1.34	100.0	30.73	2.61	36.63	718	772	708	-5.00	1122	1105	-5	35.3	0.101	0.69	0.38	0.00
4/11/2025 5:45	-0.04	1.34	100.0	30.92	2.42	35.39	720	772	699	-5.00	1133	1106	-5	35.3	0.101	0.69	0.38	0.00
4/11/2025 6:00	-0.04	1.34	100.0	29.43	2.95	36.08	720	772	709	-5.00	1125	1100	-5	35.4	0.101	0.69	0.38	0.00
4/11/2025 6:15	-0.04	1.35	100.0	36.07	3.32	35.97	719	774	718	-5.00	1123	1107	-5	35.4	0.101	0.69	0.38	0.00
4/11/2025 6:30	-0.04	1.34	100.0	36.52	3.51	35.74	721	774	708	-5.00	1133	1099	-5	35.4	0.101	0.69	0.38	0.00
4/11/2025 6:45	-0.04	1.34	100.0	26.34	2.99	35.84	719	776	708	-5.00	1156	1087	-5	35.5	0.101	0.69	0.38	0.00
4/11/2025 7:00	-0.04	1.35	100.0	27.11	2.61	36.46	717	776	707	-5.00	1143	1100	-5	35.5	0.102	0.69	0.38	0.00
4/11/2025 7:15	-0.04	1.35	100.0	26.24	2.96	35.48	714	780	716	-5.00	1148	1101	-5	35.6	0.102	0.70	0.38	0.00
4/11/2025 7:30	-0.04	1.35	100.0	32.47	3.26	35.67	715	774	713	-5.00	1145	1099	-5	35.7	0.102	0.70	0.38	0.00
4/11/2025 7:45	-0.04	1.35	100.0	34.35	2.79	34.87	721	775	715	-5.00	1153	1091	-5	35.6	0.102	0.70	0.38	0.00
4/11/2025 8:00	-0.04	1.34	100.0	26.68	2.71	34.88	709	779	707	-5.00	1172	1093	-5	35.8	0.103	0.70	0.43	0.00
4/11/2025 8:15	-0.04	1.35	100.0	33.12	2.79	34.54	709	777	694	-5.00	1203	1080	-5	35.9	0.103	0.71	0.43	0.00
4/11/2025 8:30	-0.04	1.34	100.0	24.19	2.80	34.72	705	777	698	-5.00	1174	1087	-5	36.3	0.105	0.72	0.43	0.00
4/11/2025 8:45	-0.04	1.35	100.0	27.67	3.26	34.70	698	774	694	-5.00	1227	1072	-5	36.9	0.107	0.73	0.43	0.00
4/11/2025 9:00	-0.04	1.34	100.0	33.02	2.62	34.73	701	771	693	-5.00	1164	1091	-5	37.4	0.110	0.75	0.43	0.00
4/11/2025 9:15	-0.04	1.35	100.0	29.05	2.73	35.55	695	776	694	-5.00	1143	1096	-5	37.7	0.111	0.76	0.43	0.00
4/11/2025 9:30	-0.04	1.36	100.0	19.16	2.64	34.67	693	777	694	-5.00	1161	1089	-5	37.6	0.110	0.75	0.43	0.00
4/11/2025 9:45	-0.04	1.37	100.0	28.43	2.90	34.54	693	779	692	-5.00	1170	1082	-5	37.4	0.110	0.75	0.43	0.00
4/11/2025 10:00	-0.04	1.36	100.0	34.78	2.87	34.96	697	781	696	-5.00	1147	1098	-5	37.7	0.111	0.76	0.43	0.00
4/11/2025 10:15	-0.04	1.36	100.0	26.40	2.60	34.74	696	778	692	-5.00	1130	1106	-5	37.9	0.112	0.76	0.43	0.00
4/11/2025 10:30	-0.04	1.36	100.0	13.25	2.04	34.86	699	778	687	-5.00	1097	1120	-5	38.6	0.115	0.78	0.43	0.00
4/11/2025 10:45	-0.03	1.36	100.0	24.59	2.60	35.39	690	777	693	-5.00	1161	1094	-5	38.2	0.113	0.77	0.43	0.00
4/11/2025 11:00	-0.03	1.37	100.0	30.29	2.14	35.34	692	777	686	-5.00	1122	1113	-5	39.2	0.118	0.80	0.43	0.00
4/11/2025 11:15	-0.03	1.37	100.0	27.03	2.37	35.25	693	778	691	-5.00	1116	1110	-5	40.8	0.125	0.85	0.43	0.00
4/11/2025 11:30	-0.03	1.36	100.0	21.64	2.66	35.01	693	782	681	-5.00	1099	1118	-5	41.3	0.128	0.87	0.43	0.00
4/11/2025 11:45	-0.03	1.36	100.0	22.77	1.83	35.08	695	780	691	-5.00	1093	1117	-5	41.4	0.128	0.88	0.43	0.00
4/11/2025 12:00	-0.03	1.36	100.0	30.67	2.13	34.68	693	781	690	-5.00	1078	1122	-5	41.3	0.128	0.87	0.43	0.00
4/11/2025 12:15	-0.03	1.36	100.0	31.00	2.19	35.17	696	784	682	-5.00	1076	1130	-5	42.0	0.131	0.89	0.43	0.00
4/11/2025 12:30	-0.03	1.36	100.0	27.98	2.52	35.82	680	789	678	-5.00	1058	1126	-5	41.8	0.130	0.89	0.43	0.00
4/11/2025 12:45	-0.03	1.36	100.0	28.36	2.39	35.65	662	792	685	-5.00	1044	1137	-5	41.8	0.130	0.89	0.43	0.00
4/11/2025 13:00	-0.03	1.36	100.0	26.98	2.73	35.67	677	799	662	-5.00	1037	1128	-5	42.5	0.134	0.91	0.43	0.00
4/11/2025 13:15	-0.03	1.36	100.0	33.66	2.68	35.61	654	799	662	-5.00	1041	1124	-5	42.2	0.132	0.90	0.43	0.00
4/11/2025 13:30	-0.03	1.36	100.0	36.05	2.91	34.72	672	771	729	-5.00	1032	1129	-5	41.8	0.130	0.89	0.43	0.00
4/11/2025 13:45	-0.03	1.36	100.0	33.45	3.10	35.80	719	761	754	-5.00	1035	1124	-5	41.6	0.129	0.88	0.43	0.00
4/11/2025 14:00	-0.03	1.36	100.0	46.85	3.13	34.86	718	762	757	-5.00	1035	1127	-5	42.1	0.132	0.90	0.43	0.00
4/11/2025 14:15	-0.03	1.36	100.0	30.84	2.87	35.17	702	758	755	-5.00	1032	1135	-5	42.1	0.131	0.90	0.43	0.00
4/11/2025 14:30	-0.03	1.36	100.0	37.27	3.62	36.07	669	766	726	-5.00	1031	1129	-5	41.8	0.130	0.89	0.43	0.00
4/11/2025 14:45	-0.03	1.35	100.0	36.40	3.04	35.48	701	767	771	-5.00	1032	1140	-5	41.8	0.130	0.89	0.43	0.00
4/11/2025 15:00	-0.03	1.35	100.0	36.25	3.13	35.66	697	762	783	-5.00	1032	1156	-5	41.7	0.130	0.88	0.43	0.00
4/11/2025 15:15	-0.03	1.35	100.0	30.57	3.05	36.88	700	739	763	-5.00	1029	1177	-5	41.4	0.128	0.87	0.43	0.00
4/11/2025 15:30	-0.03	1.35	100.0	41.59	3.62	35.76	720	732	733	-5.00	1019	1178	-5	41.2	0.127	0.87	0.43	0.00
4/11/2025 15:45	-0.03	1.35	100.0	31.67	3.60	35.84	742	753	736	-5.00	992	1159	-5	40.2	0.122	0.84	0.43	0.00
4/11/2025 16:00	-0.03	1.35	100.0	41.40	3.43	35.92	737	761	707	-5.00	1000	1152	-5	39.9	0.121	0.82	0.43	0.00
4/11/2025 16:15	-0.03	1.35	100.0	27.32	2.78	35.44	723	765	769	-5.00	1066	1175	-5	40.1	0.122	0.83	0.43	0.00
4/11/2025 16:30	-0.03	1.35	100.0	31.12	2.55	35.16	703	776	783	-5.00	1082	1187	-5	40.8	0.125	0.85	0.43	0.00
4/11/2025 16:45	-0.03	1.34	100.0	27.07	2.68	35.19	733	764	745	-5.00	1076	1183	-5	40.7	0.125	0.85	0.43	0.00
4/11/2025 17:00	-0.03	1.34	100.0	36.20	3.08	35.26	748	756	679	-5.00	1058	1176	-5	40.4	0.123	0.84	0.43	0.00
4/11/2025 17:15	-0.03	1.34	100.0	42.16	3.71	35.15	742	763	651	-5.00	1048	1159	-5	40.0	0.121	0.83	0.43	0.00
4/11/2025 17:30	-0.03	1.34	100.0	42.23	2.97	35.58	731	758	654	-5.00	1032	1141	-5	40.0	0.121	0.83	0.43	0.00
4/11/2025 17:45	-0.03	1.34	100.0	39.23	3.87	35.38	741	761	646	-5.00	1048	1150	-5	40.0	0.121	0.83	0.43	0.00
4/11/2025 18:00	-0.03	1.34	100.0	39.77	3.22	35.88	734	770	644	-5.00	1028	1144	-5	39.8	0.120	0.82	0.43	0.00
4/11/2025 18:15	-0.03	1.34	100.0	46.55	3.58	35.01	753	793	672	-5.00	1038	1163	-5	39.7	0.120	0.82	0.43	0.00
4/11/2025 18:30	-0.03	1.34	100.0	34.63	3.22	35.78	731	801	689	-5.00	1072	1185	-5	39.7	0.120	0.82	0.43	0.00
4/11/2025 18:45	-0.03	1.34	100.0	42.54	3.54	36.29	740	802	687	-5.00	1068	1189	-5	39.7	0.120	0.82	0.50	0.00
4/11/2025 19:00	-0.03	1.36	100.0	34.23	3.71	36.28	735	803	688	-5.00	1064	1195	-5	39.5	0.119	0.81	0.50	0.00
4/11/2025 19:15	-0.03	1.34	100.0	30.56	2.87	34.53	738	798	733	-5.00	1096	1196	-5	39.8	0.121	0.82	0.50	0.00
4/11/2025 19:30	-0.03	1.34	100.0	38.98	3.68	35.02	741	801	725	-5.00	1096	1195	-5	39.7	0.120	0.82	0.50	0.00
4/11/2025 19:45	-0.03	1.34	100.0	26.39	2.71	35.22	746	806	704	-5.00	1086	1193	-5	39.6	0.120	0.82	0.50	0.00
4/11/2025 20:00	-0.03	1.34	100.0	35.53	3.41	35.34	743	804	701	-5.00	1081	1194	-5	39.4	0.119	0.81	0.50	0.00
4/11/2025 20:15	-0.03	1.34	100.0	30.53	3.25	35.48	746	805	713	-5.00	1089	1198	-5	39.4	0.119	0.81	0.50	0.00
4/11/2025 20:30	-0.03	1.34	100.0	33.16	2.66	35.62	760	806	741	-5.00	1101	1199	-5	39.3	0.118	0.81	0.50	0.00
4/11/2025 20:45	-0.03	1.34	100.0	38.54	3.64	35.64	761	809	738	-5.00	1095	1198	-5	39.3	0.118	0.80	0.50	0.00
4/11/2025 21:00	-0.03	1.34	100.0	40.72	3.52	34.80	764	800	720	-5.00	1086	1193	-5	39.3	0.118	0.81	0.50	0.00
4/11/2025 21:15	-0.03	1.34	100.0	48.64	3.33	35.09	761	809	737	-5.00	1094	1198	-5	39.3	0.118	0.80	0.50	0.00
4/11/2025 21:30	-0.03	1.34	100.0	40.22	3.47	35.74	760	794	759	-5.00	1096	1200	-5	39.4	0.119	0.81	0.50	0.00
4/11/2025 21:45	-0.03	1.34	100.0	34.81	2.91	35.59	767	784	734	-5.00	1086	1189	-5	39.3	0.118	0.81	0.50	0.00
4/11/2025 22:00	-0.03	1.34	100.0	33.54	3.46	36.26	762	774	732	-5.00	1082	1187	-5	39.1	0.117	0.80	0.50	0.00
4/11/2025 22:15	-0.03	1.34	100.0	39.45	3.34	36.03	742	788	780	-5.00	1096	1200	-5	39.4	0.118	0.81	0.50	0.00
4/11/2025 22:30	-0.03	1.34	100.0	38.45	3.57	35.85	721	803	795	-5.00	1103	1206	-5	39.5	0.119	0.81	0.50	0.00
4/11/2025 22:45	-0.03	1.34	100.0	35.21	3.40	35.97	699	803	785	-5.00	1100	1201	-5	39.6	0.120	0.82	0.50	0.00
4/11/2025 23:00	-0.03	1.34	100.0	37.59	3.14	36.42	684	797	782	-5.00	1094	1196	-5	39.8	0.120	0.82	0.50	0.00
4/11/2025 23:15	-0.03	1.35	100.0	32.12	3.17	35.90	675	788	783	-5.00	1093	1193	-5	39.7	0.120	0.82	0.50	0.00
4/11/2025 23:30	-0.03	1.35	100.0	35.79	3.18	35.33	681	791	763	-5.00	1088	1182	-5	40.0	0.121	0.83	0.50	0.00
4/11/2025 23:45	-0.03	1.35	100.0	40.92	3.39	35.55	686	794	783	-5.00	1092	1191	-5	39.8	0.120	0.82	0.50	0.00
4/12/2025 0:00	-0.03	1.35	100.0	28.71	3.10	35.73	679	786	786	-5.00	1092	1198	-5	39.7	0.120	0.82	0.50	0.00
4/12/2025 0:15	-0.03	1.35	100.0	28.21	3.34	35.99	668	794	768	-5.00	1091	1180	-5	40.2	0.123	0.84	0.50	0.00
4/12/2025 0:30	-0.03	1.35	100.0	39.84	3.54	35.33	667	790	758	-5.00	1077	1172	-5	40.4	0.123	0.84	0.50	0.00
4/12/2025 0:45	-0.03	1.35	100.0	46.77	3.99	35.40	669	764	780	-5.00	1057	1177	-5	40.3	0.123	0.84	0.50	0.00
4/12/2025 1:00	-0.03	1.35	100.0	37.63	3.08	35.55	658	768	799	-5.00	1046	1178	-5	40.3	0.123	0.84	0.50	0.00
4/12/2025 1:15	-0.03	1.36	100.0	42.03	3.26	35.57	661	780	797	-5.00	1049	1179	-5	40.4	0.123	0.84	0.50	0.00
4/12/2025 1:30	-0.03	1.35	100.0	43.08	3.38	35.54	694	754	778	-5.00	1058	1179	-5	40.2	0.122	0.83	0.50	0.00
4/12/2025 1:45	-0.03	1.36	100.0	33.80	3.15	35.52	723	746	763	-5.00	1074	1186	-5	40.2	0.122	0.84	0.50	0.00
4/12/2025 2:00	-0.03	1.36	100.0	33.81	3.21	36.12	709	763	782	-5.00	1078	1188	-5	40.1	0.122	0.83	0.50	0.00
4/12/2025 2:15	-0.03	1.36	100.0	37.28	3.55	35.35	675	788	774	-5.00	1075	1180	-5	40.4	0.123	0.84	0.50	0.00
4/12/2025 2:30	-0.03	1.36	100.0	39.39	3.67	35.70	672	793	758	-5.00	1072	1174	-5	40.6	0.124	0.85	0.50	0.00
4/12/2025 2:45	-0.03	1.36	100.0	37.66	3.59	35.18	656	788	766	-5.00	1062	1174	-5	40.3	0.123	0.84	0.50	0.00
4/12/2025 3:00	-0.03	1.36	100.0	33.22	3.70	36.30	655	784	782	-5.00	1064	1179	-5	40.4	0.123	0.84	0.50	0.00
4/12/2025 3:15	-0.03	1.36	100.0	32.12	3.24	35.99	661	775	772	-5.00	1069	1164	-5	40.9	0.126	0.86	0.50	0.00
4/12/2025 3:30	-0.03	1.36	100.0	35.88	3.15	36.07	669	772	757	-5.00	1066	1164	-5	40.9	0.126	0.86	0.50	0.00
4/12/2025 3:45	-0.03	1.36	100.0	27.68	2.90	35.14	677	770	750	-5.00	1071	1158	-5	40.9	0.126	0.86	0.50	0.00
4/12/2025 4:00	-0.03	1.36	100.0	43.25	3.12	35.57	686	768	748	-5.00	1077	1147	-5	40.8	0.125	0.85	0.50	0.00
4/12/2025 4:15	-0.03	1.36	100.0	31.81	3.24	35.31	692	771	735	-5.00	1067	1147	-5	40.6	0.124	0.85	0.50	0.00

Flare Gas Composition / Property Calculations

	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVg-LFL	Calc Net Heating Value Limit	Maximum Velocity
																LFLvg	NHVvg			NHVcz-limit	
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s
4/10/2025 7:45	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 8:00	53.30	0.00	4.85	0.00	0.91	34.42	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 8:15	53.28	0.00	4.85	0.00	0.91	34.41	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 8:30	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 8:45	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 9:00	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 9:15	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 9:30	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 9:45	53.25	0.00	4.85	0.00	0.91	34.38	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 10:00	53.25	0.00	4.85	0.00	0.91	34.38	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 10:15	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 10:30	53.25	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 10:45	53.23	0.00	4.85	0.00	0.91	34.37	2.18	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.28	47.56	337.7	400
4/10/2025 11:00	53.21	0.00	4.84	0.00	0.91	34.36	2.18	0.85	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1090	11.28	47.56	337.7	400
4/10/2025 11:15	53.24	0.00	4.85	0.00	0.91	34.38	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1091	11.27	47.56	337.7	400
4/10/2025 11:30	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 11:45	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 12:00	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 12:15	53.27	0.00	4.85	0.00	0.91	34.40	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400
4/10/2025 12:30	53.26	0.00	4.85	0.00	0.91	34.39	2.19	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37	0.04	1092	11.27	47.56	337.7	400

ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	1					NHVcz			2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/10/2025 7:45	1	4529	152563	4193	88326	694	0.07	6.23																								6.23
4/10/2025 8:00	1	4529	152558	4193	88326	694	0.07	6.23																								6.23
4/10/2025 8:15	1	4529	152529	4193	88326	694	0.07	6.22																								6.22
4/10/2025 8:30	1	4529	152494	4193	88326	693	0.07	6.22																								6.22
4/10/2025 8:45	1	4529	152483	4193	88326	693	0.07	6.22																								6.22
4/10/2025 9:00	1	4529	152480	4193	88326	693	0.07	6.22																								6.22
4/10/2025 9:15	1	4529	152497	4193	88326	693	0.07	6.22																								6.22
4/10/2025 9:30	1	4529	152491	4193	88326	693	0.07	6.22																								6.22
4/10/2025 9:45	1	4529	152468	4193	88326	693	0.07	6.22																								6.22
4/10/2025 10:00	1	4529	152469	4193	88326	693	0.07	6.22																								6.22
4/10/2025 10:15	1	4529	152473	4193	88326	693	0.07	6.22																								6.22
4/10/2025 10:30	1	4529	152477	4193	88326	693	0.07	6.22																								6.22
4/10/2025 10:45	1	4529	152439	4193	88326	693	0.07	6.21																								6.21
4/10/2025 11:00	1	4529	152395	4193	88326	692	0.07	6.21																								6.21
4/10/2025 11:15	1	4529	152466	4193	88326	693	0.07	6.22																								6.22
4/10/2025 11:30	1	4529	152497	4193	88326	693	0.07	6.22																								6.22
4/10/2025 11:45	1	4529	152512	4193	88326	693	0.07	6.22																								6.22
4/10/2025 12:00	1	4529	152509	4193	88326	693	0.07	6.22																								6.22
4/10/2025 12:15	1	4529	152509	4193	88326	693	0.07	6.22																								6.22
4/10/2025 12:30	1	4529	152497	4193	88326	693	0.07	6.22																								6.22

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %
4/12/2025 4:30	-0.03	1.36	100.0	36.90	3.86	34.67	695	770	735	-5.00	1078	1135	-5	40.4	0.123	0.84	0.50	0.00	46.29	0.00	1.12
4/12/2025 4:45	-0.03	1.36	100.0	40.02	3.31	36.24	694	771	740	-5.00	1073	1141	-5	40.2	0.122	0.84	0.50	0.00	46.29	0.00	1.12
4/12/2025 5:00	-0.03	1.36	100.0	33.35	3.52	35.31	685	768	749	-5.00	1068	1140	-5	40.1	0.122	0.83	0.50	0.00	46.29	0.00	1.12
4/12/2025 5:15	-0.03	1.36	100.0	28.39	3.29	36.32	695	770	746	-5.00	1074	1138	-5	40.3	0.123	0.84	0.50	0.00	46.29	0.00	1.12
4/12/2025 5:30	-0.03	1.36	100.0	45.42	3.77	35.84	698	771	744	-5.00	1087	1139	-5	40.3	0.123	0.84	0.50	0.00	46.29	0.00	1.12
4/12/2025 5:45	-0.03	1.36	100.0	34.19	3.14	35.70	696	772	736	-5.00	1076	1137	-5	40.2	0.123	0.84	0.50	0.00	46.29	0.00	1.12
4/12/2025 6:00	-0.03	1.37	100.0	46.20	3.85	36.16	701	774	730	-5.00	1075	1135	-5	40.1	0.122	0.83	0.50	0.00	46.29	0.00	1.12
4/12/2025 6:15	-0.03	1.37	100.0	36.33	3.12	36.33	699	774	732	-5.00	1076	1134	-5	40.0	0.121	0.83	0.50	0.00	46.29	0.00	1.12
4/12/2025 6:30	-0.03	1.36	100.0	31.77	3.29	36.54	685	774	746	-5.00	1071	1150	-5	39.8	0.120	0.82	0.50	0.00	46.30	0.00	1.12
4/12/2025 6:45	-0.03	1.37	100.0	30.45	2.99	36.27	688	772	750	-5.00	1082	1155	-5	39.8	0.120	0.82	0.50	0.00	46.30	0.00	1.12
4/12/2025 7:00	-0.03	1.37	100.0	30.30	3.13	36.43	702	771	737	-5.00	1088	1135	-5	39.9	0.121	0.82	0.50	0.00	46.29	0.00	1.12
[illegible]																					

Flare Gas Composition / Property Calculations

	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity
													LFLvg	NHVvg			NHVcz-limit	
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s
4/12/2025 4:30	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 4:45	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 5:00	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 5:15	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 5:30	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 5:45	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 6:00	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 6:15	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 6:30	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 6:45	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
4/12/2025 7:00	0.03	1.33	38.29	3.31	2.14	0.00	1.95	1.53	0.00	1.22	0.53	0.92	0.04	1210	14.33	47.80	339.4	400
[illegible]																		

ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	1					NHVcz			2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/12/2025 4:30	1	4529	119960	4193	88326	699	0.06	11.27																								11.27
4/12/2025 4:45	1	4529	119962	4193	88326	699	0.06	11.27																								11.27
4/12/2025 5:00	1	4529	119963	4193	88326	699	0.06	11.27																								11.27
4/12/2025 5:15	1	4529	119961	4193	88326	699	0.06	11.27																								11.27
4/12/2025 5:30	1	4529	119961	4193	88326	699	0.06	11.27																								11.27
4/12/2025 5:45	1	4529	119962	4193	88326	699	0.06	11.27																								11.27
4/12/2025 6:00	1	4529	119963	4193	88326	699	0.06	11.27																								11.27
4/12/2025 6:15	1	4529	119965	4193	88326	699	0.06	11.27																								11.27
4/12/2025 6:30	1	4529	119967	4193	88326	699	0.06	11.28																								11.28
4/12/2025 6:45	1	4529	119967	4193	88326	699	0.06	11.28																								11.28
4/12/2025 7:00	1	4529	119966	4193	88326	699	0.06	11.27																								11.27
[illegible]																																

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(Grey shading) = Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %
4/14/2025 1:15	-0.04	1.24	100.0	27.66	2.84	36.24	776	774	745	-5.00	1070	1131	-5	46.7	0.157	1.07	0.62	0.00	51.49	0.00	1.72
4/14/2025 1:30	-0.04	1.24	100.0	15.39	2.38	36.58	775	781	748	-5.00	1068	1144	-5	46.4	0.155	1.06	0.62	0.00	51.50	0.00	1.72
4/14/2025 1:45	-0.04	1.24	100.0	32.29	3.71	36.46	784	779	775	-5.00	1103	1174	-5	45.5	0.150	1.02	0.62	0.00	51.52	0.00	1.72
4/14/2025 2:00	-0.04	1.24	100.0	25.79	2.43	36.60	778	804	773	-5.00	1100	1185	-5	45.0	0.147	1.00	0.62	0.00	51.53	0.00	1.72
4/14/2025 2:15	-0.04	1.24	100.0	24.50	3.40	36.89	772	812	750	-5.00	1083	1175	-5	44.4	0.144	0.98	0.62	0.00	51.54	0.00	1.72
4/14/2025 2:30	-0.04	1.25	100.0	35.35	3.38	35.77	779	790	729	-5.00	1070	1166	-5	43.9	0.141	0.96	0.62	0.00	51.55	0.00	1.72
4/14/2025 2:45	-0.04	1.25	100.0	24.56	2.76	36.51	778	795	766	-5.00	1097	1175	-5	44.5	0.145	0.99	0.62	0.00	51.54	0.00	1.72
4/14/2025 3:00	-0.04	1.25	100.0	41.05	3.26	35.43	780	789	763	-5.00	1078	1186	-5	43.5	0.139	0.95	0.62	0.00	51.56	0.00	1.72
4/14/2025 3:15	-0.04	1.25	100.0	41.02	3.48	36.01	761	784	814	-5.00	1075	1183	-5	43.0	0.136	0.93	0.62	0.00	51.57	0.00	1.72
4/14/2025 3:30	-0.04	1.25	100.0	30.81	2.92	35.83	744	769	801	-5.00	1063	1179	-5	42.4	0.133	0.91	0.62	0.00	51.58	0.00	1.72
4/14/2025 3:45	-0.04	1.25	100.0	29.60	3.42	36.28	717	761	799	-5.00	1052	1175	-5	42.5	0.134	0.91	0.62	0.00	51.58	0.00	1.72
4/14/2025 4:00	-0.04	1.25	100.0	31.58	2.94	36.02	769	779	750	-5.00	1072	1178	-5	43.3	0.138	0.94	0.62	0.00	51.56	0.00	1.72
4/14/2025 4:15	-0.04	1.26	100.0	31.53	3.24	35.97	768	806	719	-5.00	1085	1194	-5	44.4	0.144	0.98	0.62	0.00	51.54	0.00	1.72
4/14/2025 4:30	-0.04	1.26	100.0	35.94	3.01	35.97	747	799	791	-5.00	1092	1198	-5	43.4	0.139	0.95	0.62	0.00	51.56	0.00	1.72
4/14/2025 4:45	-0.04	1.26	100.0	34.68	3.20	35.53	679	782	769	-5.00	1041	1173	-5	42.4	0.133	0.91	0.62	0.00	51.58	0.00	1.72
4/14/2025 5:00	-0.04	1.26	100.0	35.66	3.18	36.37	677	788	784	-5.00	1049	1165	-5	42.2	0.132	0.90	0.62	0.00	51.58	0.00	1.72
4/14/2025 5:15	-0.04	1.26	100.0	30.60	2.97	35.81	679	783	789	-5.00	1061	1169	-5	42.3	0.133	0.91	0.62	0.00	51.58	0.00	1.72
4/14/2025 5:30	-0.04	1.26	100.0	39.95	3.16	36.03	685	790	788	-5.00	1057	1167	-5	41.5	0.129	0.88	0.62	0.00	51.59	0.00	1.72
4/14/2025 5:45	-0.04	1.26	100.0	39.19	3.54	35.69	712	796	803	-5.00	1071	1175	-5	41.9	0.131	0.89	0.62	0.00	51.59	0.00	1.72
4/14/2025 6:00	-0.03	1.26	100.0	34.90	2.90	36.11	748	801	786	-5.00	1097	1195	-5	42.3	0.133	0.90	0.62	0.00	51.58	0.00	1.72
4/14/2025 6:15	-0.04	1.27	100.0	47.79	3.77	36.07	741	799	812	-5.00	1081	1187	-5	41.8	0.130	0.89	0.62	0.00	51.59	0.00	1.72
4/14/2025 6:30	-0.04	1.26	100.0	38.53	3.13	36.24	693	803	776	-5.00	1054	1167	-5	41.2	0.127	0.87	0.62	0.00	51.60	0.00	1.72
4/14/2025 6:45	-0.04	1.27	100.0	34.25	3.25	36.67	687	796	773	-5.00	1049	1163	-5	40.6	0.124	0.85	0.62	0.00	51.61	0.00	1.72
4/14/2025 7:00	-0.03	1.26	100.0	35.79	3.27	35.84	685	777	774	-5.00	1043	1169	-5	40.7	0.124	0.85	0.62	0.00	51.61	0.00	1.72
4/14/2025 7:15	-0.03	1.27	100.0	32.34	3.45	35.94	686	792	758	-5.00	1038	1158	-5	41.2	0.127	0.87	0.62	0.00	51.60	0.00	1.72
4/14/2025 7:30	-0.03	1.27	100.0	41.10	3.40	36.10	686	789	762	-5.00	1036	1155	-5	41.1	0.127	0.86	0.62	0.00	51.60	0.00	1.72
4/14/2025 7:45	-0.03	1.27	100.0	39.91	3.41	36.23	696	766	782	-5.00	1028	1148	-5	41.5	0.129	0.88	0.62	0.00	51.59	0.00	1.72
4/14/2025 8:00	-0.03	1.27	100.0	30.34	3.13	36.22	681	773	774	-5.00	1032	1169	-5	41.7	0.130	0.88	0.62	0.00	51.59	0.00	1.72
4/14/2025 8:15	-0.03	1.27	100.0	22.82	3.36	35.78	683	785	756	-5.00	1034	1156	-5	42.3	0.133	0.90	0.62	0.00	51.58	0.00	1.72
4/14/2025 8:30	-0.03	1.27	100.0	33.10	3.40	35.86	674	779	722	-5.00	1038	1146	-5	42.4	0.133	0.91	0.62	0.00	51.58	0.00	1.72
4/14/2025 8:45	-0.03	1.28	100.0	37.20	3.74	36.11	667	792	720	-5.00	1036	1149	-5	43.0	0.136	0.93	0.62	0.00	51.57	0.00	1.72
4/14/2025 9:00	-0.03	1.28	100.0	37.42	3.27	36.10	676	771	763	-5.00	1036	1163	-5	44.2	0.143	0.98	0.62	0.00	51.54	0.00	1.72
4/14/2025 9:15	-0.03	1.28	100.0	24.29	2.86	35.74	693	747	764	-5.00	1039	1157	-5	46.1	0.154	1.05	0.62	0.00	51.51	0.00	1.72
4/14/2025 9:30	-0.03	1.28	100.0	24.88	3.14	35.86	685	753	787	-5.00	1040	1151	-5	44.0	0.142	0.97	0.62	0.00	51.55	0.00	1.72
4/14/2025 9:45	-0.04	1.29	100.0	32.11	3.22	35.93	670	758	772	-5.00	1032	1142	-5	46.6	0.157	1.07	0.62	0.00	51.50	0.00	1.72
4/14/2025 10:00	-0.04	1.29	100.0	44.83	3.45	35.81	658	786	739	-5.00	1038	1140	-5	49.0	0.171	1.17	0.62	0.00	51.44	0.00	1.72
4/14/2025 10:15	-0.04	1.29	100.0	21.79	2.88	35.67	646	793	724	-5.00	1039	1129	-5	48.3	0.167	1.14	0.62	0.00	51.46	0.00	1.72
4/14/2025 10:30	-0.04	1.29	100.0	27.28	2.68	35.71	648	795	721	-5.00	1038	1127	-5	46.2	0.154	1.05	0.62	0.00	51.50	0.00	1.72
4/14/2025 10:45	-0.04	1.29	100.0	33.06	2.68	35.93	648	790	712	-5.00	1038	1120	-5	46.3	0.155	1.06	0.62	0.00	51.50	0.00	1.72
4/14/2025 11:00	-0.04	1.29	100.0	42.93	3.49	36.05	654	788	699	-5.00	1040	1105	-5	46.2	0.154	1.05	0.62	0.00	51.50	0.00	1.72
4/14/2025 11:15	-0.04	1.29	100.0	17.86	2.27	36.84	663	791	687	-5.00	1044	1097	-5	46.4	0.155	1.06	0.62	0.00	51.50	0.00	1.72
4/14/2025 11:30	-0.04	1.29	100.0	38.59	2.90	36.23	677	795	679	-5.00	1043	1092	-5	47.2	0.160	1.09	0.62	0.00	51.49	0.00	1.72
4/14/2025 11:45	-0.04	1.28	100.0	28.21	2.88	36.57	680	795	673	-5.00	1042	1089	-5	47.4	0.161	1.10	0.62	0.00	51.48	0.00	1.72
4/14/2025 12:00	-0.04	1.28	100.0	26.42	2.42	35.89	666	796	680	-5.00	1044	1092	-5	47.7	0.163	1.11	0.62	0.00	51.47	0.00	1.72
4/14/2025 12:15	-0.04	1.28	100.0	24.32	2.75	36.54	663	793	685	-5.00	1044	1095	-5	47.9	0.164	1.12	0.62	0.00	51.47	0.00	1.72
4/14/2025 12:30	-0.04	1.28	100.0	25.57	2.68	36.48	663	789	699	-5.00	1046	1105	-5	46.6	0.156	1.07	0.62	0.00	51.50	0.00	1.72
4/14/2025 12:45	-0.04	1.28	100.0	25.93	2.53	36.80	674	786	708	-5.00	1048	1101	-5	47.7	0.163	1.11	0.62	0.00	51.47	0.00	1.72
4/14/2025 13:00	-0.04	1.28	100.0	27.36	2.58	36.84	694	785	698	-5.00	1057	1101	-5	49.4	0.174	1.19	0.62	0.00	51.44	0.00	1.72
4/14/2025 13:15	-0.04	1.27	100.0	24.93	2.58	36.38	670	783	697	-5.00	1054	1092	-5	48.9	0.171	1.17	0.62	0.00	51.45	0.00	1.72
4/14/2025 13:30	-0.04	1.27	100.0	26.33	2.48	36.41	677	781	712	-5.00	1046	1099	-5	47.8	0.163	1.12	0.62	0.00	51.47	0.00	1.72
4/14/2025 13:45	-0.04	1.27	100.0	24.13	2.70	36.36	691	786	707	-5.00	1053	1099	-5	47.7	0.163	1.11	0.62	0.00	51.47	0.00	1.72
4/14/2025 14:00	-0.04	1.26	100.0	23.37	2.76	36.76	707	795	697	-5.00	1055	1095	-5	46.8	0.158	1.08	0.62	0.00	51.49	0.00	1.72
4/14/2025 14:15	-0.04	1.26	100.0	32.01	3.07	36.87	693	788	711	-5.00	1057	1096	-5	47.2	0.160	1.09	0.62	0.00	51.48	0.00	1.72
4/14/2025 14:30	-0.04	1.26	100.0	33.67	3.23	36.59	690	776	734	-5.00	1051	1101	-5	47.4	0.161	1.10	0.62	0.00	51.48	0.00	1.72
4/14/2025 14:45	-0.04	1.26	100.0	25.19	2.65	36.41	693	774	730	-5.00	1054	1101	-5	47.6	0.162	1.11	0.62	0.00	51.48	0.00	1.72
4/14/2025 15:00	-0.04	1.26	100.0	24.52	2.85	36.40	697	773	746	-5.00	1052	1108	-5	46.8	0.158	1.07	0.62	0.00	51.49	0.00	1.72
4/14/2025 15:15	-0.04	1.26	100.0	27.23	2.74	36.85	714	765	779	-5.00	1056	1133	-5	47.1	0.160	1.09	0.62	0.00	51.49	0.00	1.72
4/14/2025 15:30	-0.04	1.25	100.0	22.65	2.43	36.49	706	762	772	-5.00	1052	1131	-5	46.2	0.154	1.05	0.62	0.00	51.50	0.00	1.72
4/14/2025 15:45	-0.04	1.25	100.0	26.19	2.90	35.81	690	779	740	-5.00	1047	1120	-5	46.4	0.155	1.06	0.62	0.00	51.50	0.00	1.72
4/14/2025 16:00	-0.04	1.25	100.0	9.64	2.33	36.72	695	780	741	-5.00	1044	1116	-5	46.1	0.154	1.05	0.62	0.00	51.51	0.00	1.72
4/14/2025 16:15	-0.04	1.25	100.0	23.43	2.86	36.82	695	788	735	-5.00	1044	1118	-5	45.8	0.152	1.04	0.62	0.00	51.51	0.00	1.72
4/14/2025 16:30	-0.04	1.24	100.0	21.41	2.40	36.64	697	786	733	-5.00	1043	1117	-5	45.0	0.147	1.00	0.62	0.00	51.53	0.00	1.72
4/14/2025 16:45	-0.04	1.24	100.0	30.07	3.01	36.44	708	789	730	-5.00	1040	1110	-5	45.1	0.148	1.01	0.62	0.00	51.53	0.00	1.72
4/14/2025 17:00	-0.04	1.24	100.0	31.85	3.17	36.39	718	785	742	-5.00	1045	1106	-5	44.9	0.147	1.00	0.62	0.00	51.53	0.00	1.72
4/14/2025 17:15	-0.04	1.24	100.0	29.30	2.95	36.53	717	785	732	-5.00	1043	1107	-5	45.1	0.148	1.01	0.62	0.00	51.53	0.00	1.72
4/14/2025 17:30	-0.04	1.24	100.0	28.85	3.31	36.56	713	787	753	-5.00	1044	1111	-5	45.4	0.149	1.02	0.62	0.00	51.52	0.00	1.72
4/14/2025 17:45	-0.04	1.25	100.0	33.20	3.48	36.21	717	785	755	-5.00	1046	1110	-5	45.5	0.150	1.02	0.62	0.00	51.52	0.00	1.72
4/14/2025 18:00	-0.04	1.25	100.0	23.99	2.98	36.58	715	787	767	-5.00	1053	1117	-5	47.5	0.162	1.10	0.62	0.00	51.48	0.00	1.72
4/14/2025 18:15	-0.04	1.24	100.0	39.49	3.50	36.05	706	793	736	-5.00	1038	1119	-5	50.3	0.180	1.23	0.62	0.00	51.41	0.00	1.72
4/14/2025 18:30	-0.04	1.25	100.0	22.68	2.76	36.57	697	794	759	-5.00	1034	1127	-5	52.1	0.192	1.31	0.62	0.00	51.37	0.00	1.72
4/14/2025 18:45	-0.04	1.26	100.0	30.43	3.15	37.76	694	795	763	-5.00	1029	1141	-5	49.2	0.173	1.18	0.62	0.00	51.44	0.00	1.72
4/14/2025 19:00	-0.04	1.26	100.0	32.82	3.04	37.04	696	798	768	-5.00	1031	1135	-5	50.6	0.182	1.24	0.62	0.00	51.41	0.00	1.72
4/14/2025 19:15	-0.04	1.25	100.0	34.60	3.44	36.80	711	804	773	-5.00	1041	1136	-5	50.2	0.179	1.22	0.62	0.00	51.42	0.00	1.72
4/14/2025 19:30	-0.04	1.25	100.0	40.82	3.66	37.20	720	797	779	-5.00	1049	1138	-5	48.0	0.165	1.13	0.62	0.00	51.47	0.00	1.72
4/14/2025 19:45	-0.04	1.26	100.0	31.16	3.17	37.65	766	801	769	-5.00	1075	1155	-5	47.4	0.161	1.10	0.62	0.00	51.48	0.00	1.72
4/14/2025 20:00	-0.04	1.26	100.0	35.34	3.23	37.01	726	792	759	-5.00	1046	1140	-5	46.2	0.154	1.05	0.62	0.00	51.51	0.00	1.72
4/14/2025 20:15	-0.04	1.26	100.0	34.35	3.51	36.95	699	798	752	-5.00	1030	1130	-5	45.2	0.149	1.01	0.62	0.00	51.52	0.00	1.72
4/14/2025 20:30	-0.04	1.26	100.0	22.70	3.03	36.90	700	800	769	-5.00	1046	1132	-5	45.2	0.149	1.01	0.62	0.00	51.52	0.00	1.72
4/14/2025 20:45	-0.04	1.26	100.0	34.95	3.70	36.88	712	801	765	-5.00	1056	1137	-5	45.9	0.152	1.04	0.62	0.00	51.51	0.00	1.72
4/14/2025 21:00	-0.04	1.26	100.0	35.02	3.25	37.13	749	796	790	-5.00	1085	1150	-5	46.1	0.154	1.05	0.62	0.00	51.51	0.00	1.72
4/14/2025 21:15	-0.04	1.26	100.0	36.40	3.09	37.16	793	747	776	-5.00	1104	1160	-5	49.6	0.176	1.20	0.62	0.00	51.43	0.00	1.72
4/14/2025 21:30	-0.04	1.27	100.0	28.87	3.26	37.32	780	718	757	-5.00	1112	1045	-5	62.8	0.283	1.93	0.62	0.00	51.06	0.00	1.71
4/14/2025 21:45	-0.03	1.27	100.0	31.79	2.92	37.53	739	720	738	-5.00	1068	1008	-5	63.8	0.293	2.00	0.62	0.00	51.03	0.00	1.70
4/14/2025 22:00	-0.03	1.27	100.0	23.95	2.50	37.77	733	722	740	-5.00	1044	998	-5	63.1	0.286	1.95	0.62	0.00	51.05	0.00	1.71
4/14/2025 22:15	-0.03	1.28	100.0	44.62	3.34	37.67	739	732	737	-5.00	1041	989	-5	62.6	0.281	1.92	0.62	0.00	51.07	0.00	1.71
4/14/2025 22:30	-0.03	1.28	100.0	33.26	3.06	37.88	743	722	740	-5.00	1055	996	-5	61.9	0.274	1.87	0.62	0.00	51.09	0.00	1.71
4/14/2025 22:45	-0.03	1.28	100.0	26.93	2.86	38.18	744	727	738	-5.00	1044	994	-5	61.0	0.265	1.81	0.62	0.00	51.12	0.00	1.71
4/14/2025 23:00	-0.03	1.28	100.0	29.04	2.99	37.74	735	737	735	-5.00	1039	981	-5	60.5	0.261	1.78	0.62	0.00	51.14	0.00	1.71
4/14/2025 23:15	-0.03	1.28	100.0	42.43	3.62	36.82	736	732	735	-5.00	1041	984	-5	59.8	0.254	1.73	0.62	0.00	51.16	0.00	1.71
4/14/2025 23:30	-0.03	1.28	100.0	35.64	3.43	37.23	747	727	739	-5.00	1050	988	-5	58.9	0.246	1.68	0.62	0.00	51.19	0.00	1.71
4/14/2025 23:45	-0.03	1.28	100.0	32.75	3.03	36.51	756	723	742	-5.00	1061	992	-5	58.2	0.240	1.64	0.62	0.00	51.21	0.00	1.71
4/15/2025 0:00	-0.03	1.28	100.0	35.50	3.38	36.88	758	717	742	-5.00	1052	1003	-5	57.7	0.236	1.61	0.62	0.00	51.22	0.00	1.71
4/15/2025 0:15	-0.03	1.28	100.0	34.78	3.22	37.09	761	717	740	-5.00	1056	1005	-5	57.2	0.231	1.58	0.62	0.00	51.24	0.00	1.71
4/15/2025 0:30	-0.03	1.28	100.0	34.01	3.22	37.42	770	714	748	-5.00	1076	1014	-5	56.6	0.227	1.55	0.62	0.00	51.25	0.00	1.71
4/15/2025 0:45	-0.03	1.28	100.0	38.37	3.47	37.71	780	706	756	-5.00	1093	1033	-5	56.3	0.224	1.53	0.62	0.00	51.26	0.00	1.71
4/15/2025 1:00	-0.03	1.28	100.0	34.21	3.46	37.54	795	721	763	-5.00	1089	1066	-5	55.8	0.220	1.50	0.62	0.00	51.28	0.00	1.71
4/15/2025 1:15	-0.03	1.28	100.0	30.20	3.18	37.10	787	719	757	-5.00	1060	1077	-5	55.3	0.216	1.48	0.62	0.00	51.29	0.00	1.71
4/15/2025 1:30	-0.03	1.28	100.0	33.93	3.29	36.95	791	713	758	-5.00	1088	1065	-5	55.4	0.217	1.48	0.62	0.00	51.29	0.00	1.71
4/15/2025 1:45	-0.03	1.28	100.0	28.85	3.16	37.46	789	716	757	-5.00	1049	1058	-5	54.6	0.210	1.43	0.62	0.00	51.31	0.00	1.71
4/15/2025 2:00	-0.03	1.28	100.0	30.50	2.89	37.49	783	721	755	-5.00	1031	1060	-5	54.4	0.209	1.43	0.62	0.00	51.31	0.00	1.71
4/15/2025 2:15	-0.03	1.29	100.0	32.13	2.76	37.41	792	700	757	-5.00	1053	1086	-5	54.3	0.209	1.42	0.62	0.00	51.32	0.00	1.71
4/15/2025 2:30	-0.03	1.28	100.0	32.72	3.33	37.40	780	748	743	-5.00	1047	1115	-5	52.8	0.197	1.35	0.62	0.00	51.36	0.00	1.72
4/15/2025 2:45	-0.03	1.28	100.0	36.87	3.31	37.38	784	742	760	-5.00	1067	1113	-5	53.5	0.202	1.38	0.62	0.00	51.34	0.00	1.71
4/15/2025 3:00	-0.03	1.29	100.0	32.57	3.04	37.36	782	718	754	-5.00	1057	1089	-5	53.6	0.203	1.39	0.62	0.00	51.33	0.00	1.71
4/15/2025 3:15	-0.04	1.29	100.0	33.08	3.23	36.89	784	715	755	-5.00	1050	1079	-5	53.3	0.201	1.37	0.62	0.00	51.34	0.00	1.72
4/15/2025 3:30	-0.04	1.29	100.0	31.98	3.25	37.25	787	708	751	-5.00	1037	1067	-5	53.2	0.200	1.36	0.62	0.00	51.35	0.00	1.72
4/15/2025 3:45	-0.04	1.29	100.0	34.76	2.92	36.40	790	704	755	-5.00	1042	1061	-5	53.1	0.199	1.36	0.62	0.00	51.35	0.00	1.72
4/15/2025 4:00	-0.04	1.29	100.0	36.26	3.42	36.93	770	720	749	-5.00	1030	1039	-5	52.7	0.196	1.34	0.62	0.00	51.36	0.00	1.72
4/15/2025 4:15	-0.04	1.29	100.0	30.72	3.39	37.33	770	720	747	-5.00	1039	1036	-5	52.7	0.197	1.34	0.62	0.00	51.36	0.00	1.72
4/15/2025 4:30	-0.04	1.29	100.0	26.72	2.92	37.51	765	733	743	-5.00	1039	1028	-5	52.5	0.195	1.33	0.62	0.00	51.36	0.00	1.72
4/15/2025 4:45	-0.04	1.29	100.0	25.92	3.25	37.61	764	731	744	-5.00	1017	1030	-5	52.4	0.194	1.32	0.62	0.00	51.37	0.00	1.72
4/15/2025 5:00	-0.04	1.29	100.0	30.73	2.89	37.58	763	717	745	-5.00	1027	1056	-5	52.5	0.195	1.33	0.62	0.00	51.36	0.00	1.72
4/15/2025 5:15	-0.04	1.29	100.0	36.62	2.72	37.32	749	728	749	-5.00	1027	1063	-5	52.0	0.192	1.31	0.62	0.00	51.37	0.00	1.72
4/15/2025 5:30	-0.04	1.29	100.0	37.57	3.17	37.52	750	729	749	-5.00	998	1040	-5	51.7	0.190	1.29	0.62	0.00	51.38	0.00	1.72
4/15/2025 5:45	-0.04	1.29	100.0	34.77	3.03	37.55	764	726	750	-5.00	1030	1060	-5	51.4	0.187	1.28	0.62	0.00	51.39	0.00	1.72
4/15/2025 6:00	-0.04	1.29	100.0	33.19	3.23	37.45	758	733	753	-5.00	1027	1065	-5	51.1	0.185	1.27	0.62	0.00	51.40	0.00	1.72
4/15/2025 6:15	-0.04	1.29	100.0	23.64	2.70	37.34	760	739	751	-5.00	1042	1051	-5	50.8	0.183	1.25	0.62	0.00	51.40	0.00	1.72
4/15/2025 6:30	-0.04	1.29	100.0	33.36	3.56	37.18	771	751	744	-5.00	1040	1009	-5	50.4	0.181	1.23	0.62	0.00	51.41	0.00	1.72
4/15/2025 6:45	-0.04	1.29	100.0	28.19	3.10	37.54	763	729	746	-5.00	1080	1010	-5	50.8	0.183	1.25	0.62	0.00	51.40	0.00	1.72
4/15/2025 7:00	-0.04	1.30	100.0	25.14	2.95	37.31	764	734	747	-5.00	1078	1015	-5	50.4	0.180	1.23	0.62	0.00	51.41	0.00	1.72
4/15/2025 7:15	-0.04	1.30	100.0	31.68	3.42	37.58	767	731	742	-5.00	1083	1013	-5	51.6	0.189	1.29	0.62	0.00	51.38	0.00	1.72
4/15/2025 7:30	-0.04	1.31	100.0	44.71	3.87	39.47	758	741	736	-5.00	1034	1017	-5	52.9	0.198	1.35	0.62	0.00	51.35	0.00	1.72
4/15/2025 7:45	-0.04	1.33	100.0	36.84	3.71	38.80	749	757	729	-5.00	1023	1005	-5	52.7	0.197	1.34	0.62	0.00	51.36	0.00	1.72
4/15/2025 8:00	-0.04	1.33	100.0	28.42	2.90	38.23	758	787	720	-5.00	1031	987	-5	53.2	0.200	1.37	0.62	0.00	51.34	0.00	1.72
4/15/2025 8:15	-0.04	1.32	100.0	31.96	3.03	37.57	744	773	722	-5.00	1037	988	-5	54.0	0.206	1.41	0.62	0.00	51.32	0.00	1.71
4/15/2025 8:30	-0.04	1.32	100.0	29.86	2.96	38.04	746	766	725	-5.00	1051	985	-5	54.1	0.207	1.41	0.62	0.00	51.32	0.00	1.71
4/15/2025 8:45	-0.04	1.31	100.0	30.35	3.16	37.85	751	773	725	-5.00	1036	983	-5	52.0	0.191	1.30	0.62	0.00	51.38	0.00	1.72
4/15/2025 9:00	-0.04	1.31	100.0	33.31	3.34	37.42	763	772	734	-5.00	1038	983	-5	51.7	0.189	1.29	0.62	0.00	51.38	0.00	1.72
4/15/2025 9:15	-0.04	1.30	100.0	30.33	2.84	37.05	767	770	741	-5.00	1041	985	-5	52.5	0.195	1.33	0.62	0.00	51.36	0.00	1.72
4/15/2025 9:30	-0.04	1.30	100.0	38.19	3.42	38.04	766	765	741	-5.00	1058	989	-5	53.3	0.201	1.37	0.62	0.00	51.34	0.00	1.71
4/15/2025 9:45	-0.04	1.30	100.0	36.06	3.21	37.73	773	796	733	-5.00	1039	986	-5	53.1	0.200	1.36	0.62	0.00	51.35	0.00	1.72
4/15/2025 10:00	-0.04	1.30	100.0	37.39	3.12	37.59	763	775	732	-5.00	1043	987	-5	52.8	0.197	1.35	0.62	0.00	51.36	0.00	1.72
4/15/2025 10:15	-0.04	1.30	100.0	30.25	2.98	37.73	750	759	739	-5.00	1058	986	-5	53.9	0.205	1.40	0.62	0.00	51.33	0.00	1.71
4/15/2025 10:30	-0.04	1.30	100.0	35.82	3.35	37.76	750	770	729	-5.00	1049	988	-5	54.3	0.209	1.42	0.62	0.00	51.32	0.00	1.71
4/15/2025 10:45	-0.03	1.29	100.0	36.40	3.17	37.50	740	765	725	-5.00	1057	988	-5	54.0	0.206	1.40	0.62	0.00	51.33	0.00	1.71
4/15/2025 11:00	-0.03	1.29	100.0	29.96	2.86	37.33	741	774	724	-5.00	1063	982	-5	54.7	0.212	1.44	0.62	0.00	51.31	0.00	1.71
4/15/2025 11:15	-0.03	1.29	100.0	30.62	2.97	37.85	737	774	722	-5.00	1050	989	-5	49.8	0.178	1.21	0.62	0.00	51.42	0.00	1.72
4/15/2025 11:30	-0.03	1.29	100.0	27.05	2.84	37.40	726	773	733	-5.00	1018	990	-5	49.3	0.174	1.19	0.62	0.00	51.44	0.00	1.72
4/15/2025 11:45	-0.03	1.29	100.0	28.21	3.10	37.83	712	766	731	-5.00	990	996	-5	51.6	0.189	1.29	0.62	0.00	51.39	0.00	1.72
4/15/2025 12:00	-0.04	1.28	100.0	24.56	3.08	37.51	701	759	721	-5.00	974	978	-5	51.1	0.185	1.26	0.62	0.00	51.40	0.00	1.72
4/15/2025 12:15	-0.04	1.28	100.0	31.79	3.36	37.78	703	771	724	-5.00	999	985	-5	50.0	0.178	1.21	0.62	0.00	51.42	0.00	1.72
4/15/2025 12:30	-0.03	1.28	100.0	21.85	2.75	37.57	707	775	729	-5.00	1017	986	-5	50.5	0.181	1.24	0.62	0.00	51.41	0.00	1.72
4/15/2025 12:45	-0.04	1.28	100.0	38.16	2.86	37.20	707	768	726	-5.00	1033	987	-5	50.4	0.181	1.23	0.62	0.00	51.41	0.00	1.72
4/15/2025 13:00	-0.04	1.28	100.0	22.23	2.60	37.46	706	775	724	-5.00	1009	990	-5	51.3	0.187	1.27	0.62	0.00	51.39	0.00	1.72
4/15/2025 13:15	-0.04	1.28	100.0	38.56	3.51	37.39	716	774	725	-5.00	1016	986	-5	51.5	0.188	1.28	0.62	0.00	51.39	0.00	1.72
4/15/2025 13:30	-0.04	1.27	100.0	29.11	2.87	36.87	712	773	729	-5.00	1025	991	-5	51.1	0.185	1.26	0.41	0.00	50.00	0.00	0.65
4/15/2025 13:45	-0.04	1.27	100.0	29.23	3.18	37.48	713	777	729	-5.00	1015	989	-5	49.4	0.174	1.19	0.41	0.00	50.04	0.00	0.66
4/15/2025 14:00	-0.04	1.27	100.0	44.76	3.79	37.13	717	785	736	-5.00	1014	984	-5	49.1	0.172	1.17	0.41	0.00	50.05	0.00	0.66
4/15/2025 14:15	-0.04	1.26	100.0	32.39	2.95	37.50	723	763	737	-5.00	1012	992	-5	48.0	0.165	1.13	0.41	0.00	50.07	0.00	0.66
4/15/2025 14:30	-0.04	1.26	100.0	23.24	2.59	37.17	719	752	736	-5.00	971	997	-5	48.3	0.167	1.14	0.41	0.00	50.06	0.00	0.66
4/15/2025 14:45	-0.04	1.26	100.0	40.45	3.16	37.10	726	764	742	-5.00	967	996	-5	47.5	0.162	1.11	0.41	0.00	50.08	0.00	0.66
4/15/2025 15:00	-0.04	1.26	100.0	37.56	3.25	36.80	720	782	737	-5.00	966	997	-5	47.8	0.164	1.12	0.41	0.00	50.07	0.00	0.66
4/15/2025 15:15	-0.04	1.26	100.0	31.57	3.01	36.58	714	768	734	-5.00	1008	996	-5	48.5	0.168	1.15	0.41	0.00	50.06	0.00	0.66
4/15/2025 15:30	-0.04	1.26	100.0	32.22	3.07	36.95	717	762	732	-5.00	962	994	-5	46.1	0.154	1.05	0.41	0.00	50.11	0.00	0.66
4/15/2025 15:45	-0.04	1.27	100.0	36.30	3.28	36.73	729	759	741	-5.00	1002	996	-5	46.3	0.154	1.05	0.41	0.00	50.10	0.00	0.66
4/15/2025 16:00	-0.04	1.25	100.0	28.39	2.88	37.08	725	751	738	-5.00	969	992	-5	44.2	0.143	0.97	0.41	0.00	50.14	0.00	0.66
4/15/2025 16:15	-0.04	1.25	100.0	35.75	3.40	36.72	730	745	739	-5.00	992	991	-5	44.5	0.144	0.98	0.41	0.00	50.14	0.00	0.66
4/15/2025 16:30	-0.04	1.25	100.0	32.06	3.19	36.82	724	788	744	-5.00	1021	1004	-5	44.0	0.142	0.97	0.41	0.00	50.15	0.00	0.66
4/15/2025 16:45	-0.04	1.25	100.0	33.31	3.25	36.33	724	784	744	-5.00	1014	1006	-5	43.4	0.139	0.95	0.41	0.00	50.16	0.00	0.66
4/15/2025 17:00	-0.04	1.25	100.0	34.56	3.60	37.37	720	772	742	-5.00	990	1000	-5	42.4	0.133	0.91	0.41	0.00	50.18	0.00	0.66
4/15/2025 17:15	-0.04	1.25	100.0	21.55	3.10	37.47	724	766	741	-5.00	1014	997	-5	42.6	0.134	0.92	0.41	0.00	50.17	0.00	0.66
4/15/2025 17:30	-0.04	1.25	100.0	32.18	3.33	36.39	730	746	744	-5.00	1020	1003	-5	42.6	0.134	0.92	0.41	0.00	50.17	0.00	0.66
4/15/2025 17:45	-0.04	1.25	100.0	35.51	3.46	36.53	722	768	742	-5.00	994	1008	-5	42.0	0.131	0.90	0.41	0.00	50.18	0.00	0.66
4/15/2025 18:00	-0.04	1.25	100.0	36.44	2.82	37.24	719	784	742	-5.00	1001	1010	-5	41.8	0.130	0.89	0.41	0.00	50.19	0.00	0.66
4/15/2025 18:15	-0.04	1.25	100.0	30.81	2.92	37.44	717	780	741	-5.00	1006	1020	-5	41.9	0.131	0.89	0.41	0.00	50.18	0.00	0.66
4/15/2025 18:30	-0.04	1.25	100.0	30.58	2.73	37.49	721	756	740	-5.00	991	1018	-5	41.5	0.129	0.88	0.41	0.00	50.19	0.00	0.66
4/15/2025 18:45	-0.04	1.25	100.0	32.05	2.46	37.18	722	742	738	-5.00	964	1002	-5	40.4	0.123	0.84	0.41	0.00	50.21	0.00	0.66
4/15/2025 19:00	-0.03	1.25	100.0	34.96	3.26	37.32	723	744	738	-5.00	975	1012	-5	40.8	0.125	0.85	0.41	0.00	50.20	0.00	0.66
4/15/2025 19:15	-0.04	1.26	100.0	36.57	3.03	37.08	727	744	741	-5.00	996	1010	-5	40.7	0.125	0.85	0.41	0.00	50.21	0.00	0.66
4/15/2025 19:30	-0.03	1.26	100.0	31.82	2.98	37.27	722	757	738	-5.00	979	1019	-5	40.4	0.123	0.84	0.41	0.00	50.21	0.00	0.66
4/15/2025 19:45	-0.03	1.26	100.0	31.63	2.91	37.08	727	745	739	-5.00	994	1009	-5	40.4	0.123	0.84	0.41	0.00	50.21	0.00	0.66
4/15/2025 20:00	-0.03	1.26	100.0	24.20	2.75	36.97	727	738	739	-5.00	1004	1017	-5	40.1	0.122	0.83	0.41	0.00	50.21	0.00	0.66
4/15/2025 20:15	-0.03	1.26	100.0	31.18	2.96	37.50	729	732	736	-5.00	989	1011	-5	39.7	0.120	0.82	0.41	0.00	50.22	0.00	0.66
4/15/2025 20:30	-0.03	1.26	100.0	27.79	2.84	37.48	727	737	737	-5.00	983	1005	-5	39.1	0.117	0.80	0.41	0.00	50.23	0.00	0.66
4/15/2025 20:45	-0.03	1.27	100.0	24.46	2.79	36.93	728	732	739	-5.00	998	1009	-5	39.5	0.119	0.81	0.41	0.00	50.22	0.00	0.66
4/15/2025 21:00	-0.03	1.27	100.0	23.36	2.73	37.19	730	737	739	-5.00	1008	999	-5	39.6	0.120	0.82	0.41	0.00	50.22	0.00	0.66
4/15/2025 21:15	-0.03	1.27	100.0	30.91	3.00	37.17	730	724	739	-5.00	1009	994	-5	39.8	0.120	0.82	0.41	0.00	50.22	0.00	0.66
4/15/2025 21:30	-0.03	1.27	100.0	26.88	2.80	36.85	731	725	734	-5.00	1005	998	-5	39.7	0.120	0.82	0.41	0.00	50.22	0.00	0.66
4/15/2025 21:45	-0.03	1.27	100.0	29.06	2.84	36.97	732	723	735	-5.00	998	990	-5	39.5	0.119	0.81	0.41	0.00	50.22	0.00	0.66

Flare Gas Composition (continued) / Property Calculations / ZTOF

	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
													LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
4/14/2025 1:15	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142902	4193	88326	713	0.07	16.65
4/14/2025 1:30	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142911	4193	88326	713	0.07	16.65
4/14/2025 1:45	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142940	4193	88326	713	0.07	16.66
4/14/2025 2:00	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142954	4193	88326	713	0.07	16.67
4/14/2025 2:15	0.02	0.85	37.11	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142971	4193	88326	713	0.07	16.67
4/14/2025 2:30	0.02	0.85	37.12	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142983	4193	88326	713	0.07	16.68
4/14/2025 2:45	0.02	0.85	37.11	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142967	4193	88326	713	0.07	16.67
4/14/2025 3:00	0.02	0.85	37.12	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142994	4193	88326	714	0.07	16.68
4/14/2025 3:15	0.02	0.85	37.13	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143009	4193	88326	714	0.07	16.69
4/14/2025 3:30	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143024	4193	88326	714	0.07	16.69
4/14/2025 3:45	0.02	0.85	37.13	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143022	4193	88326	714	0.07	16.69
4/14/2025 4:00	0.02	0.85	37.13	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143002	4193	88326	714	0.07	16.68
4/14/2025 4:15	0.02	0.85	37.11	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142969	4193	88326	713	0.07	16.67
4/14/2025 4:30	0.02	0.85	37.12	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142997	4193	88326	714	0.07	16.68
4/14/2025 4:45	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143026	4193	88326	714	0.07	16.69
4/14/2025 5:00	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143029	4193	88326	714	0.07	16.69
4/14/2025 5:15	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143028	4193	88326	714	0.07	16.69
4/14/2025 5:30	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143048	4193	88326	714	0.07	16.70
4/14/2025 5:45	0.02	0.86	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143036	4193	88326	714	0.07	16.70
4/14/2025 6:00	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143028	4193	88326	714	0.07	16.69
4/14/2025 6:15	0.02	0.86	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143041	4193	88326	714	0.07	16.70
4/14/2025 6:30	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143056	4193	88326	714	0.07	16.70
4/14/2025 6:45	0.02	0.86	37.16	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143070	4193	88326	714	0.07	16.71
4/14/2025 7:00	0.02	0.86	37.16	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143069	4193	88326	714	0.07	16.71
4/14/2025 7:15	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143057	4193	88326	714	0.07	16.70
4/14/2025 7:30	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143058	4193	88326	714	0.07	16.70
4/14/2025 7:45	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143047	4193	88326	714	0.07	16.70
4/14/2025 8:00	0.02	0.86	37.15	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1152	12.02	47.58	337.8	400	1	4529	143043	4193	88326	714	0.07	16.70
4/14/2025 8:15	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143028	4193	88326	714	0.07	16.69
4/14/2025 8:30	0.02	0.85	37.14	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143024	4193	88326	714	0.07	16.69
4/14/2025 8:45	0.02	0.85	37.13	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	143008	4193	88326	714	0.07	16.69
4/14/2025 9:00	0.02	0.85	37.11	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142973	4193	88326	713	0.07	16.67
4/14/2025 9:15	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142920	4193	88326	713	0.07	16.66
4/14/2025 9:30	0.02	0.85	37.12	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1151	12.02	47.58	337.8	400	1	4529	142982	4193	88326	713	0.07	16.68
4/14/2025 9:45	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142905	4193	88326	713	0.07	16.65
4/14/2025 10:00	0.02	0.85	37.04	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142829	4193	88326	712	0.07	16.63
4/14/2025 10:15	0.02	0.85	37.05	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142853	4193	88326	712	0.07	16.63
4/14/2025 10:30	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142918	4193	88326	713	0.07	16.66
4/14/2025 10:45	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142915	4193	88326	713	0.07	16.66
4/14/2025 11:00	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142917	4193	88326	713	0.07	16.66
4/14/2025 11:15	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142912	4193	88326	713	0.07	16.65
4/14/2025 11:30	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142889	4193	88326	712	0.07	16.65
4/14/2025 11:45	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142882	4193	88326	712	0.07	16.64
4/14/2025 12:00	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142872	4193	88326	712	0.07	16.64
4/14/2025 12:15	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142865	4193	88326	712	0.07	16.64
4/14/2025 12:30	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142907	4193	88326	713	0.07	16.65
4/14/2025 12:45	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142871	4193	88326	712	0.07	16.64
4/14/2025 13:00	0.02	0.85	37.03	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142817	4193	88326	712	0.07	16.62
4/14/2025 13:15	0.02	0.85	37.04	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.04	47.58	337.8	400	1	4529	142832	4193	88326	712	0.07	16.63
4/14/2025 13:30	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142870	4193	88326	712	0.07	16.64
4/14/2025 13:45	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142873	4193	88326	712	0.07	16.64
4/14/2025 14:00	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142899	4193	88326	712	0.07	16.65
4/14/2025 14:15	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142887	4193	88326	712	0.07	16.65
4/14/2025 14:30	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142881	4193	88326	712	0.07	16.64
4/14/2025 14:45	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142876	4193	88326	712	0.07	16.64
4/14/2025 15:00	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142901	4193	88326	712	0.07	16.65
4/14/2025 15:15	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142890	4193	88326	712	0.07	16.65
4/14/2025 15:30	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142918	4193	88326	713	0.07	16.66
4/14/2025 15:45	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142913	4193	88326	713	0.07	16.65
4/14/2025 16:00	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142921	4193	88326	713	0.07	16.66
4/14/2025 16:15	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142929	4193	88326	713	0.07	16.66
4/14/2025 16:30	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142954	4193	88326	713	0.07	16.67
4/14/2025 16:45	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142951	4193	88326	713	0.07	16.67
4/14/2025 17:00	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.02	47.58	337.8	400	1	4529	142956	4193	88326	713	0.07	16.67
4/14/2025 17:15	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142950	4193	88326	713	0.07	16.67
4/14/2025 17:30	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142943	4193	88326	713	0.07	16.66
4/14/2025 17:45	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142939	4193	88326	713	0.07	16.66
4/14/2025 18:00	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142879	4193	88326	712	0.07	16.64
4/14/2025 18:15	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142784	4193	88326	711	0.07	16.61
4/14/2025 18:30	0.02	0.85	36.99	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142722	4193	88326	711	0.07	16.59
4/14/2025 18:45	0.02	0.85	37.04	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142822	4193	88326	712	0.07	16.62
4/14/2025 19:00	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142778	4193	88326	711	0.07	16.61
4/14/2025 19:15	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142791	4193	88326	711	0.07	16.61
4/14/2025 19:30	0.02	0.85	37.06	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142862	4193	88326	712	0.07	16.64
4/14/2025 19:45	0.02	0.85	37.07	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1149	12.03	47.58	337.8	400	1	4529	142882	4193	88326	712	0.07	16.64
4/14/2025 20:00	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142919	4193	88326	713	0.07	16.66
4/14/2025 20:15	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142946	4193	88326	713	0.07	16.67
4/14/2025 20:30	0.02	0.85	37.10	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142947	4193	88326	713	0.07	16.67
4/14/2025 20:45	0.02	0.85	37.09	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142928	4193	88326	713	0.07	16.66
4/14/2025 21:00	0.02	0.85	37.08	1.92	1.30	0.00	1.20	0.97	0.00	0.77	0.36	0.64	0.04	1150	12.03	47.58	337.8	400	1	4529	142920	4193	88326	713	0.07	16.66
4/14/2025 21:15	0.02	0.85	37.03	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142803	4193	88326	711	0.07	16.62
4/14/2025 21:30	0.02	0.85	36.76	1.90	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.63	0.04	1140	12.08	47.58	337.8	400	1	4529	142251	4193	88326	705	0.07	16.44
4/14/2025 21:45	0.02	0.85	36.74	1.90	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.63	0.04	1139	12.09	47.58	337.8	400	1	4529	142200	4193	88326	705	0.07	16.42
4/14/2025 22:00	0.02	0.85	36.76	1.90	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.63	0.04	1140	12.09	47.58	337.8	400	1	4529	142237	4193	88326	705	0.07	16.43
4/14/2025 22:15	0.02	0.85	36.77	1.90	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.63	0.04	1140	12.08	47.58	337.8	400	1	4529	142264	4193	88326	706	0.07	16.44
4/14/2025 22:30	0.02	0.85	36.79	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1141	12.08	47.58	337.8	400	1	4529	142297	4193	88326	706	0.07	16.45
4/14/2025 22:45	0.02	0.85	36.81	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1141	12.08	47.58	337.8	400	1	4529	142346	4193	88326	706	0.07	16.47
4/14/2025 23:00	0.02	0.85	36.82	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1142	12.07	47.58	337.8	400	1	4529	142368	4193	88326	707	0.07	16.47
4/14/2025 23:15	0.02	0.85	36.84	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1142	12.07	47.58	337.8	400	1	4529	142403	4193	88326	707	0.07	16.48
4/14/2025 23:30	0.02	0.85	36.86	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1143	12.07	47.58	337.8	400	1	4529	142445	4193	88326	707	0.07	16.50
4/14/2025 23:45	0.02	0.85	36.87	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1143	12.07	47.58	337.8	400	1	4529	142474	4193	88326	708	0.07	16.51
4/15/2025 0:00	0.02	0.85	36.88	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1144	12.06	47.58	337.8	400	1	4529	142498	4193	88326	708	0.07	16.52
4/15/2025 0:15	0.02	0.85	36.89	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1144	12.06	47.58	337.8	400	1	4529	142522	4193	88326	708	0.07	16.52
4/15/2025 0:30	0.02	0.85	36.90	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1144	12.06	47.58	337.8	400	1	4529	142545	4193	88326	709	0.07	16.53
4/15/2025 0:45	0.02	0.85	36.91	1.91	1.29	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1144	12.06	47.58	337.8	400	1	4529	142559	4193	88326	709	0.07	16.54
4/15/2025 1:00	0.02	0.85	36.92	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1145	12.06	47.58	337.8	400	1	4529	142577	4193	88326	709	0.07	16.54
4/15/2025 1:15	0.02	0.85	36.93	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1145	12.06	47.58	337.8	400	1	4529	142598	4193	88326	709	0.07	16.55
4/15/2025 1:30	0.02	0.85	36.93	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1145	12.06	47.58	337.8	400	1	4529	142596	4193	88326	709	0.07	16.55
4/15/2025 1:45	0.02	0.85	36.94	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1145	12.05	47.58	337.8	400	1	4529	142630	4193	88326	709	0.07	16.56
4/15/2025 2:00	0.02	0.85	36.95	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142634	4193	88326	710	0.07	16.56
4/15/2025 2:15	0.02	0.85	36.95	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142638	4193	88326	710	0.07	16.56
4/15/2025 2:30	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142696	4193	88326	710	0.07	16.58
4/15/2025 2:45	0.02	0.85	36.96	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142670	4193	88326	710	0.07	16.57
4/15/2025 3:00	0.02	0.85	36.96	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142666	4193	88326	710	0.07	16.57
4/15/2025 3:15	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142679	4193	88326	710	0.07	16.58
4/15/2025 3:30	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142683	4193	88326	710	0.07	16.58
4/15/2025 3:45	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142686	4193	88326	710	0.07	16.58
4/15/2025 4:00	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142702	4193	88326	710	0.07	16.58
4/15/2025 4:15	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142700	4193	88326	710	0.07	16.58
4/15/2025 4:30	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142707	4193	88326	710	0.07	16.59
4/15/2025 4:45	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142713	4193	88326	710	0.07	16.59
4/15/2025 5:00	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142710	4193	88326	710	0.07	16.59
4/15/2025 5:15	0.02	0.85	36.99	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142725	4193	88326	711	0.07	16.59
4/15/2025 5:30	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142736	4193	88326	711	0.07	16.59
4/15/2025 5:45	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142748	4193	88326	711	0.07	16.60
4/15/2025 6:00	0.02	0.85	37.01	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142757	4193	88326	711	0.07	16.60
4/15/2025 6:15	0.02	0.85	37.01	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142768	4193	88326	711	0.07	16.61
4/15/2025 6:30	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142782	4193	88326	711	0.07	16.61
4/15/2025 6:45	0.02	0.85	37.01	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142769	4193	88326	711	0.07	16.61
4/15/2025 7:00	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142784	4193	88326	711	0.07	16.61
4/15/2025 7:15	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142739	4193	88326	711	0.07	16.60
4/15/2025 7:30	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142694	4193	88326	710	0.07	16.58
4/15/2025 7:45	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142699	4193	88326	710	0.07	16.58
4/15/2025 8:00	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142680	4193	88326	710	0.07	16.58
4/15/2025 8:15	0.02	0.85	36.95	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142650	4193	88326	710	0.07	16.57
4/15/2025 8:30	0.02	0.85	36.95	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142646	4193	88326	710	0.07	16.57
4/15/2025 8:45	0.02	0.85	36.99	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142728	4193	88326	711	0.07	16.59
4/15/2025 9:00	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142737	4193	88326	711	0.07	16.60
4/15/2025 9:15	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.05	47.58	337.8	400	1	4529	142707	4193	88326	710	0.07	16.59
4/15/2025 9:30	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142678	4193	88326	710	0.07	16.58
4/15/2025 9:45	0.02	0.85	36.97	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142685	4193	88326	710	0.07	16.58
4/15/2025 10:00	0.02	0.85	36.98	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142697	4193	88326	710	0.07	16.58
4/15/2025 10:15	0.02	0.85	36.96	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142655	4193	88326	710	0.07	16.57
4/15/2025 10:30	0.02	0.85	36.95	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142638	4193	88326	710	0.07	16.56
4/15/2025 10:45	0.02	0.85	36.96	1.91	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1146	12.05	47.58	337.8	400	1	4529	142653	4193	88326	710	0.07	16.57
4/15/2025 11:00	0.02	0.85	36.94	1.91	1.30	0.00	1.19	0.96	0.00	0.77	0.35	0.64	0.04	1145	12.05	47.58	337.8	400	1	4529	142623	4193	88326	709	0.07	16.56
4/15/2025 11:15	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142795	4193	88326	711	0.07	16.61
4/15/2025 11:30	0.02	0.85	37.04	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142818	4193	88326	712	0.07	16.62
4/15/2025 11:45	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142742	4193	88326	711	0.07	16.60
4/15/2025 12:00	0.02	0.85	37.01	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142759	4193	88326	711	0.07	16.60
4/15/2025 12:15	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142797	4193	88326	711	0.07	16.62
4/15/2025 12:30	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142779	4193	88326	711	0.07	16.61
4/15/2025 12:45	0.02	0.85	37.02	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.36	0.64	0.04	1148	12.04	47.58	337.8	400	1	4529	142781	4193	88326	711	0.07	16.61
4/15/2025 13:00	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142751	4193	88326	711	0.07	16.60
4/15/2025 13:15	0.02	0.85	37.00	1.92	1.30	0.00	1.20	0.96	0.00	0.77	0.35	0.64	0.04	1147	12.04	47.58	337.8	400	1	4529	142744	4193	88326	711	0.07	16.60
4/15/2025 13:30	0.02	0.83	38.05	2.36	1.60	0.00	1.49	1.21	0.00	1.00	0.43	0.69	0.04	1181	12.65	47.69	338.6	400	1	4529	135927	4193	88326	718	0.07	10.46
4/15/2025 13:45	0.02	0.83	38.08	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1182	12.64	47.69	338.6	400	1	4529	135976	4193	88326	719	0.07	10.48
4/15/2025 14:00	0.02	0.83	38.09	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	135984	4193	88326	719	0.07	10.48
4/15/2025 14:15	0.02	0.83	38.10	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	136012	4193	88326	719	0.07	10.48
4/15/2025 14:30	0.02	0.83	38.10	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	136004	4193	88326	719	0.07	10.48
4/15/2025 14:45	0.02	0.83	38.11	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	136025	4193	88326	719	0.07	10.49
4/15/2025 15:00	0.02	0.83	38.11	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	136017	4193	88326	719	0.07	10.49
4/15/2025 15:15	0.02	0.83	38.10	2.37	1.60	0.00	1.50	1.21	0.00	1.00	0.43	0.69	0.04	1183	12.64	47.69	338.6	400	1	4529	136000	4193	88326	719	0.07	10.48
4/15/2025 15:30	0.02	0.83	38.13	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1184	12.63	47.69	338.6	400	1	4529	136061	4193	88326	720	0.07	10.50
4/15/2025 15:45	0.02	0.83	38.13	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1184	12.63	47.69	338.6	400	1	4529	136057	4193	88326	720	0.07	10.50
4/15/2025 16:00	0.02	0.83	38.16	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1185	12.63	47.69	338.6	400	1	4529	136106	4193	88326	721	0.07	10.51
4/15/2025 16:15	0.02	0.83	38.16	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1185	12.63	47.69	338.6	400	1	4529	136100	4193	88326	721	0.07	10.51
4/15/2025 16:30	0.02	0.83	38.16	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1185	12.63	47.69	338.6	400	1	4529	136110	4193	88326	721	0.07	10.51
4/15/2025 16:45	0.02	0.83	38.17	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1185	12.63	47.69	338.6	400	1	4529	136123	4193	88326	721	0.07	10.51
4/15/2025 17:00	0.02	0.83	38.19	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136145	4193	88326	721	0.07	10.52
4/15/2025 17:15	0.02	0.83	38.18	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136141	4193	88326	721	0.07	10.52
4/15/2025 17:30	0.02	0.83	38.18	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136141	4193	88326	721	0.07	10.52
4/15/2025 17:45	0.02	0.83	38.19	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136154	4193	88326	721	0.07	10.52
4/15/2025 18:00	0.02	0.83	38.19	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136158	4193	88326	721	0.07	10.52
4/15/2025 18:15	0.02	0.83	38.19	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.63	47.69	338.6	400	1	4529	136156	4193	88326	721	0.07	10.52
4/15/2025 18:30	0.02	0.83	38.20	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136165	4193	88326	721	0.07	10.52
4/15/2025 18:45	0.02	0.83	38.21	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136188	4193	88326	722	0.07	10.53
4/15/2025 19:00	0.02	0.83	38.21	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136180	4193	88326	722	0.07	10.53
4/15/2025 19:15	0.02	0.83	38.21	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136182	4193	88326	722	0.07	10.53
4/15/2025 19:30	0.02	0.83	38.21	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136187	4193	88326	722	0.07	10.53
4/15/2025 19:45	0.02	0.83	38.21	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136187	4193	88326	722	0.07	10.53
4/15/2025 20:00	0.02	0.83	38.22	2.37	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1186	12.62	47.69	338.6	400	1	4529	136192	4193	88326	722	0.07	10.53
4/15/2025 20:15	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136201	4193	88326	722	0.07	10.53
4/15/2025 20:30	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136213	4193	88326	722	0.07	10.53
4/15/2025 20:45	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136204	4193	88326	722	0.07	10.53
4/15/2025 21:00	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136202	4193	88326	722	0.07	10.53
4/15/2025 21:15	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136200	4193	88326	722	0.07	10.53
4/15/2025 21:30	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136201	4193	88326	722	0.07	10.53
4/15/2025 21:45	0.02	0.83	38.22	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400	1	4529	136205	4193	88326	722	0.07	10.53

36Inch Flare / 24Inch Flare / Pit Flare / Total

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/14/2025 1:15																								16.65
4/14/2025 1:30																								16.65
4/14/2025 1:45																								16.66
4/14/2025 2:00																								16.67
4/14/2025 2:15																								16.67
4/14/2025 2:30																								16.68
4/14/2025 2:45																								16.67
4/14/2025 3:00																								16.68
4/14/2025 3:15																								16.69
4/14/2025 3:30																								16.69
4/14/2025 3:45																								16.69
4/14/2025 4:00																								16.68
4/14/2025 4:15																								16.67
4/14/2025 4:30																								16.68
4/14/2025 4:45																								16.69
4/14/2025 5:00																								16.69
4/14/2025 5:15																								16.69
4/14/2025 5:30																								16.70
4/14/2025 5:45																								16.70
4/14/2025 6:00																								16.69
4/14/2025 6:15																								16.70
4/14/2025 6:30																								16.70
4/14/2025 6:45																								16.71
4/14/2025 7:00																								16.71
4/14/2025 7:15																								16.70
4/14/2025 7:30																								16.70
4/14/2025 7:45																								16.70
4/14/2025 8:00																								16.70
4/14/2025 8:15																								16.69
4/14/2025 8:30																								16.69
4/14/2025 8:45																								16.69
4/14/2025 9:00																								16.67
4/14/2025 9:15																								16.66
4/14/2025 9:30																								16.68
4/14/2025 9:45																								16.65
4/14/2025 10:00																								16.63
4/14/2025 10:15																								16.63
4/14/2025 10:30																								16.66
4/14/2025 10:45																								16.66
4/14/2025 11:00																								16.66
4/14/2025 11:15																								16.65
4/14/2025 11:30																								16.65
4/14/2025 11:45																								16.64
4/14/2025 12:00																								16.64
4/14/2025 12:15																								16.64
4/14/2025 12:30																								16.65
4/14/2025 12:45																								16.64
4/14/2025 13:00																								16.62
4/14/2025 13:15																								16.63
4/14/2025 13:30																								16.64
4/14/2025 13:45																								16.64
4/14/2025 14:00																								16.65
4/14/2025 14:15																								16.65
4/14/2025 14:30																								16.64
4/14/2025 14:45																								16.64
4/14/2025 15:00																								16.65
4/14/2025 15:15																								16.65
4/14/2025 15:30																								16.66
4/14/2025 15:45																								16.65
4/14/2025 16:00																								16.66
4/14/2025 16:15																								16.66
4/14/2025 16:30																								16.67
4/14/2025 16:45																								16.67
4/14/2025 17:00																								16.67
4/14/2025 17:15																								16.67
4/14/2025 17:30																								16.66
4/14/2025 17:45																								16.66
4/14/2025 18:00																								16.64
4/14/2025 18:15																								16.61
4/14/2025 18:30																								16.59
4/14/2025 18:45																								16.62
4/14/2025 19:00																								16.61
4/14/2025 19:15																								16.61
4/14/2025 19:30																								16.64
4/14/2025 19:45																								16.64
4/14/2025 20:00																								16.66
4/14/2025 20:15																								16.67
4/14/2025 20:30																								16.67
4/14/2025 20:45																								16.66
4/14/2025 21:00																								16.66
4/14/2025 21:15																								16.62
4/14/2025 21:30																								16.44
4/14/2025 21:45																								16.42
4/14/2025 22:00																								16.43
4/14/2025 22:15																								16.44
4/14/2025 22:30																								16.45
4/14/2025 22:45																								16.47
4/14/2025 23:00																								16.47
4/14/2025 23:15																								16.48
4/14/2025 23:30																								16.50
4/14/2025 23:45																								16.51
4/15/2025 0:00																								16.52
4/15/2025 0:15																								16.52
4/15/2025 0:30																								16.53
4/15/2025 0:45																								16.54
4/15/2025 1:00																								16.54
4/15/2025 1:15																								16.55
4/15/2025 1:30																								16.55
4/15/2025 1:45																								16.56
4/15/2025 2:00																								16.56
4/15/2025 2:15																								16.56
4/15/2025 2:30																								16.58
4/15/2025 2:45																								16.57
4/15/2025 3:00																								16.57
4/15/2025 3:15																								16.58
4/15/2025 3:30																								16.58
4/15/2025 3:45																								16.58
4/15/2025 4:00																								16.58
4/15/2025 4:15																								16.58
4/15/2025 4:30																								16.59
4/15/2025 4:45																								16.59
4/15/2025 5:00																								16.59
4/15/2025 5:15																								16.59
4/15/2025 5:30																								16.59
4/15/2025 5:45																								16.60
4/15/2025 6:00																								16.60
4/15/2025 6:15																								16.61
4/15/2025 6:30																								16.61
4/15/2025 6:45																								16.61
4/15/2025 7:00																								16.61
4/15/2025 7:15																								16.60
4/15/2025 7:30																								16.58
4/15/2025 7:45																								16.58
4/15/2025 8:00																								16.58
4/15/2025 8:15																								16.57
4/15/2025 8:30																								16.57
4/15/2025 8:45																								16.59
4/15/2025 9:00																								16.60
4/15/2025 9:15																								16.59
4/15/2025 9:30																								16.58
4/15/2025 9:45																								16.58
4/15/2025 10:00																								16.58
4/15/2025 10:15																								16.57
4/15/2025 10:30																								16.56
4/15/2025 10:45																								16.57
4/15/2025 11:00																								16.56
4/15/2025 11:15																								16.61
4/15/2025 11:30																								16.62
4/15/2025 11:45																								16.60
4/15/2025 12:00																								16.60
4/15/2025 12:15																								16.62
4/15/2025 12:30																								16.61
4/15/2025 12:45																								16.61
4/15/2025 13:00																								16.60
4/15/2025 13:15																								16.60
4/15/2025 13:30																								10.46
4/15/2025 13:45																								10.48
4/15/2025 14:00																								10.48
4/15/2025 14:15																								10.48
4/15/2025 14:30																								10.48
4/15/2025 14:45																								10.49
4/15/2025 15:00																								10.49
4/15/2025 15:15																								10.48
4/15/2025 15:30																								10.50
4/15/2025 15:45																								10.50
4/15/2025 16:00																								10.51
4/15/2025 16:15																								10.51
4/15/2025 16:30																								10.51
4/15/2025 16:45																								10.51
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4/15/2025 19:00																								10.53
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4/15/2025 20:00																								10.53
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4/15/2025 20:30																								10.53
4/15/2025 20:45																								10.53
4/15/2025 21:00																								10.53
4/15/2025 21:15																								10.53
4/15/2025 21:30																								10.53
4/15/2025 21:45																								10.53

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure (PSIG)	Flare Gas Compressor Suction P (PSIG)	Flare Gas Compressor Spillback (%)	Flare Flow Meter (KSCFH)	Flare Flow Meter (KLB/HR)	Flare Flow Meter (LB/LB-MOL)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Steam OP (%)	24inch Pilots (DEGF)	24inch Pilots (DEGF)	24inch Steam (%)	Ambient Temp. (DEGF)	Water Vapour /Partial Pressure (PSIA)	Water (Mol %)	Hydrogen Sulphide (mol%)	Sulphur Dioxide (mol%)
4/15/2025 22:00	-0.03	1.27	100.0	30.99	2.98	37.69	728	734	737	-5.00	981	1003	-5	39.3	0.118	0.81	0.41	0.00
4/15/2025 22:15	-0.03	1.27	100.0	25.09	2.88	37.10	729	722	737	-5.00	993	999	-5	39.2	0.118	0.80	0.41	0.00
4/15/2025 22:30	-0.03	1.28	100.0	23.60	2.75	37.18	732	724	734	-5.00	994	997	-5	39.1	0.117	0.80	0.41	0.00
4/15/2025 22:45	-0.03	1.28	100.0	27.28	2.96	36.98	729	723	737	-5.00	1009	1004	-5	39.0	0.117	0.80	0.41	0.00
4/15/2025 23:00	-0.03	1.28	100.0	34.09	2.77	36.97	738	716	739	-5.00	1011	998	-5	39.2	0.117	0.80	0.41	0.00
4/15/2025 23:15	-0.03	1.28	100.0	36.11	3.42	36.65	733	722	736	-5.00	995	1002	-5	39.0	0.117	0.80	0.41	0.00
4/15/2025 23:30	-0.03	1.28	100.0	26.93	3.16	36.80	735	715	734	-5.00	1013	1002	-5	38.9	0.116	0.79	0.41	0.00
4/15/2025 23:45	-0.03	1.28	100.0	27.20	2.55	37.15	738	715	732	-5.00	1040	1001	-5	38.9	0.116	0.79	0.41	0.00
4/16/2025 0:00	-0.03	1.28	100.0	31.79	2.93	37.36	736	718	739	-5.00	1024	1003	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 0:15	-0.03	1.29	100.0	32.89	2.95	37.02	735	716	737	-5.00	1021	1002	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 0:30	-0.03	1.29	100.0	23.83	2.90	37.04	733	716	736	-5.00	1026	1002	-5	38.7	0.115	0.79	0.26	0.00
4/16/2025 0:45	-0.03	1.29	100.0	28.08	3.15	37.67	734	718	734	-5.00	1032	1001	-5	38.6	0.115	0.79	0.26	0.00
4/16/2025 1:00	-0.03	1.29	100.0	32.97	2.80	37.28	735	721	736	-5.00	1028	1002	-5	38.7	0.115	0.79	0.26	0.00
4/16/2025 1:15	-0.03	1.29	100.0	25.99	2.47	37.18	737	714	737	-5.00	1024	997	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 1:30	-0.03	1.29	100.0	35.52	3.20	37.69	734	718	734	-5.00	1037	994	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 1:45	-0.03	1.29	100.0	30.28	2.73	37.78	732	714	731	-5.00	1038	996	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 2:00	-0.03	1.29	100.0	28.19	2.88	37.89	740	711	734	-5.00	1042	1003	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 2:15	-0.03	1.30	100.0	31.07	2.95	37.35	738	720	733	-5.00	1049	1001	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 2:30	-0.03	1.30	100.0	25.23	2.91	37.50	743	712	734	-5.00	1059	999	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 2:45	-0.03	1.30	100.0	29.06	3.45	37.62	748	706	734	-5.00	1083	1014	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 3:00	-0.03	1.30	100.0	26.77	3.05	38.05	749	715	738	-5.00	1087	1030	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 3:15	-0.03	1.30	100.0	37.53	3.23	37.29	743	713	733	-5.00	1068	1014	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 3:30	-0.03	1.30	100.0	30.30	3.05	37.93	740	715	729	-5.00	1076	1022	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 3:45	-0.03	1.30	100.0	30.80	3.13	37.71	741	716	734	-5.00	1067	1015	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 4:00	-0.03	1.31	100.0	29.39	2.94	37.83	733	728	729	-5.00	1090	1011	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 4:15	-0.03	1.31	100.0	30.51	3.19	37.79	729	726	721	-5.00	1062	998	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 4:30	-0.03	1.31	100.0	26.68	3.01	37.54	739	708	736	-5.00	1042	1001	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 4:45	-0.03	1.31	100.0	32.23	3.52	37.85	744	706	737	-5.00	1063	1017	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 5:00	-0.03	1.31	100.0	28.56	3.02	37.97	727	725	722	-5.00	1069	1003	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 5:15	-0.03	1.31	100.0	25.59	2.63	37.72	730	715	726	-5.00	1057	1001	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 5:30	-0.03	1.31	100.0	38.54	3.64	37.79	734	721	729	-5.00	1049	995	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 5:45	-0.03	1.32	100.0	27.85	2.79	37.83	732	711	728	-5.00	1033	1000	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 6:00	-0.03	1.32	100.0	37.39	2.89	37.69	736	715	733	-5.00	1038	1001	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 6:15	-0.03	1.32	100.0	28.76	2.68	37.69	733	721	733	-5.00	1036	1001	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 6:30	-0.03	1.32	100.0	28.20	3.25	37.28	722	733	722	-5.00	1054	995	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 6:45	-0.03	1.32	100.0	27.45	2.94	37.91	704	769	718	-5.00	1216	1020	-5	38.3	0.114	0.77	0.26	0.00
4/16/2025 7:00	-0.03	1.32	100.0	25.76	3.29	37.97	709	758	708	-5.00	1157	996	-5	38.1	0.113	0.77	0.26	0.00
4/16/2025 7:15	-0.03	1.32	100.0	31.27	2.95	37.51	708	752	707	-5.00	1163	996	-5	38.3	0.113	0.77	0.26	0.00
4/16/2025 7:30	-0.03	1.32	100.0	34.04	2.99	37.17	704	751	702	-5.00	1129	988	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 7:45	-0.03	1.33	100.0	35.32	3.27	37.63	716	740	708	-5.00	1122	1004	-5	38.9	0.116	0.79	0.26	0.00
4/16/2025 8:00	-0.03	1.33	100.0	32.44	2.86	36.95	711	749	703	-5.00	1170	1014	-5	39.2	0.118	0.80	0.26	0.00
4/16/2025 8:15	-0.03	1.33	100.0	25.78	2.87	37.67	715	728	710	-5.00	1034	999	-5	39.0	0.117	0.80	0.26	0.00
4/16/2025 8:30	-0.03	1.33	100.0	25.46	3.02	37.76	706	736	703	-5.00	1003	975	-5	39.4	0.118	0.81	0.26	0.00
4/16/2025 8:45	-0.03	1.33	100.0	25.09	2.62	37.43	705	730	704	-5.00	1073	987	-5	39.8	0.120	0.82	0.26	0.00
4/16/2025 9:00	-0.03	1.33	100.0	25.93	2.85	37.11	709	733	705	-5.00	1038	983	-5	39.4	0.119	0.81	0.26	0.00
4/16/2025 9:15	-0.03	1.33	100.0	25.82	2.89	37.04	703	729	702	-5.00	1055	975	-5	38.1	0.113	0.77	0.26	0.00
4/16/2025 9:30	-0.03	1.33	100.0	35.83	3.28	36.93	707	732	707	-5.00	1028	976	-5	38.8	0.116	0.79	0.26	0.00
4/16/2025 9:45	-0.03	1.33	100.0	19.82	2.64	37.25	717	727	710	-5.00	1103	1007	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 10:00	-0.03	1.34	100.0	25.15	2.92	37.64	718	727	713	-5.00	1115	1004	-5	39.3	0.118	0.81	0.26	0.00
4/16/2025 10:15	-0.03	1.34	100.0	25.43	2.89	37.36	716	730	713	-5.00	1057	991	-5	39.9	0.121	0.82	0.26	0.00
4/16/2025 10:30	-0.03	1.33	100.0	27.16	3.07	37.37	708	743	701	-5.00	1105	992	-5	40.3	0.123	0.84	0.26	0.00
4/16/2025 10:45	-0.03	1.34	100.0	31.93	3.37	37.88	710	729	711	-5.00	1039	985	-5	40.4	0.124	0.84	0.26	0.00
4/16/2025 11:00	-0.03	1.34	100.0	29.13	3.03	37.85	716	725	718	-5.00	1062	1008	-5	40.6	0.124	0.85	0.26	0.00
4/16/2025 11:15	-0.03	1.34	100.0	38.22	3.40	37.06	710	726	721	-5.00	1031	1005	-5	41.2	0.127	0.87	0.26	0.00
4/16/2025 11:30	-0.03	1.34	100.0	28.99	2.97	37.95	697	731	723	-5.00	1030	1015	-5	40.3	0.123	0.84	0.26	0.00
4/16/2025 11:45	-0.03	1.35	100.0	39.52	3.21	37.68	700	735	725	-5.00	1013	1007	-5	40.4	0.123	0.84	0.26	0.00
4/16/2025 12:00	-0.03	1.35	100.0	29.71	3.44	37.70	700	735	726	-5.00	1022	1006	-5	40.5	0.124	0.84	0.26	0.00
4/16/2025 12:15	-0.03	1.35	100.0	35.76	3.55	37.96	705	732	722	-5.00	1009	1009	-5	40.5	0.124	0.84	0.26	0.00
4/16/2025 12:30	-0.03	1.35	100.0	38.77	3.46	36.96	703	734	723	-5.00	1008	999	-5	40.8	0.125	0.85	0.26	0.00
4/16/2025 12:45	-0.03	1.35	100.0	44.48	3.48	38.49	709	725	722	-5.00	1036	1004	-5	41.5	0.129	0.88	0.26	0.00
4/16/2025 13:00	-0.03	1.35	100.0	32.66	3.28	37.57	700	733	720	-5.00	1010	1010	-5	41.3	0.128	0.87	0.26	0.00
4/16/2025 13:15	-0.03	1.35	100.0	28.90	2.92	37.79	702	730	721	-5.00	1025	1005	-5	42.1	0.132	0.90	0.26	0.00
4/16/2025 13:30	-0.03	1.35	100.0	32.23	3.68	37.94	703	736	706	-5.00	1003	991	-5	43.5	0.139	0.95	0.26	0.00
4/16/2025 13:45	-0.03	1.35	100.0	23.24	2.95	38.53	705	733	720	-5.00	1000	999	-5	42.6	0.134	0.92	0.26	0.00
4/16/2025 14:00	-0.03	1.35	100.0	29.29	2.83	37.57	704	734	710	-5.00	1018	991	-5	44.3	0.143	0.98	0.26	0.00
4/16/2025 14:15	-0.03	1.35	100.0	29.35	3.02	38.12	699	736	715	-5.00	1009	999	-5	43.4	0.138	0.94	0.26	0.00
4/16/2025 14:30	-0.03	1.35	100.0	35.13	3.30	38.68	704	737	719	-5.00	1053	1004	-5	44.9	0.147	1.00	0.26	0.00
4/16/2025 14:45	-0.03	1.35	100.0	28.45	3.17	38.19	703	736	713	-5.00	1044	1000	-5	44.4	0.144	0.98	0.26	0.00
4/16/2025 15:00	-0.03	1.35	100.0	31.23	2.86	38.49	700	744	724	-5.00	1009	1010	-5	43.9	0.141	0.96	0.26	0.00
4/16/2025 15:15	-0.04	1.35	100.0	29.64	3.28	38.09	700	741	727	-5.00	1028	990	-5	44.2	0.143	0.97	0.26	0.00
4/16/2025 15:30	-0.03	1.35	100.0	27.54	3.11	37.84	706	745	731	-5.00	1014	992	-5	44.4	0.144	0.98	0.26	0.00
4/16/2025 15:45	-0.04	1.35	100.0	33.53	3.19	37.38	706	735	722	-5.00	1007	979	-5	44.7	0.145	0.99	0.26	0.00
4/16/2025 16:00	-0.04	1.34	100.0	37.69	2.81	36.95	713	735	720	-5.00	1021	982	-5	46.3	0.155	1.06	0.26	0.00
4/16/2025 16:15	-0.04	1.34	100.0	34.53	3.19	37.20	702	736	720	-5.00	996	994	-5	46.2	0.154	1.05	0.26	0.00
4/16/2025 16:30	-0.04	1.34	100.0	37.52	3.58	36.14	705	741	722	-5.00	1017	989	-5	45.9	0.152	1.04	0.26	0.00
4/16/2025 16:45	-0.04	1.34	100.0	40.51	3.79	36.64	705	746	727	-5.00	1014	993	-5	45.4	0.149	1.02	0.26	0.00
4/16/2025 17:00	-0.04	1.34	100.0	32.57	3.23	37.14	710	740	721	-5.00	1009	984	-5	45.5	0.150	1.02	0.26	0.00
4/16/2025 17:15	-0.04	1.34	100.0	30.49	3.32	37.31	710	738	727	-5.00	1034	982	-5	45.0	0.147	1.00	0.26	0.00
4/16/2025 17:30	-0.04	1.33	100.0	31.87	3.13	37.27	719	735	727	-5.00	1018	983	-5	44.8	0.146	1.00	0.26	0.00
4/16/2025 17:45	-0.04	1.33	100.0	28.34	2.74	37.43	726	729	736	-5.00	1038	988	-5	45.3	0.149	1.02	0.26	0.00
4/16/2025 18:00	-0.04	1.33	100.0	20.77	2.51	38.03	728	731	720	-5.00	1039	976	-5	45.0	0.147	1.00	0.26	0.00
4/16/2025 18:15	-0.04	1.32	100.0	34.12	2.59	37.72	718	745	709	-5.00	1081	966	-5	44.9	0.146	1.00	0.26	0.00
4/16/2025 18:30	-0.04	1.32	100.0	28.27	3.19	37.35	721	728	714	-5.00	1045	971	-5	43.9	0.141	0.96	0.26	0.00
4/16/2025 18:45	-0.04	1.33	100.0	26.40	2.98	37.73	727	727	721	-5.00	1025	970	-5	43.7	0.140	0.96	0.26	0.00
4/16/2025 19:00	-0.04	1.32	100.0	24.43	2.70	38.07	734	727	728	-5.00	1060	986	-5	43.6	0.140	0.95	0.26	0.00
4/16/2025 19:15	-0.04	1.33	100.0	29.02	3.05	38.06	728	739	716	-5.00	1082	993	-5	43.4	0.138	0.94	0.26	0.00
4/16/2025 19:30	-0.04	1.33	100.0	30.85	3.11	38.22	732	721	721	-5.00	1061	987	-5	43.2	0.137	0.94	0.26	0.00
4/16/2025 19:45	-0.04	1.33	100.0	28.82	2.75	38.40	731	721	723	-5.00	1047	1002	-5	43.0	0.136	0.93	0.26	0.00
4/16/2025 20:00	-0.04	1.33	100.0	24.76	2.57	37.65	730	715	725	-5.00	1077	1016	-5	42.4	0.133	0.91	0.26	0.00
4/16/2025 20:15	-0.04	1.33	100.0	24.20	3.22	38.21	745	713	734	-5.00	1067	1032	-5	42.4	0.133	0.91	0.26	0.00
4/16/2025 20:30	-0.04	1.34	100.0	24.28	3.36	37.66	741	717	728	-5.00	1075	1025	-5	42.0	0.131	0.89	0.26	0.00
4/16/2025 20:45	-0.03	1.34	100.0	24.35	2.70	38.22	749	705	736	-5.00	1076	1032	-5	41.9	0.130	0.89	0.26	0.00
4/16/2025 21:00	-0.03	1.34	100.0	30.68	3.19	38.08	752	701	744	-5.00	1083	1038	-5	41.6	0.129	0.88	0.26	0.00
4/16/2025 21:15	-0.03	1.34	100.0	38.36	3.21	38.48	757	698	746	-5.00	1072	1052	-5	41.2	0.127	0.87	0.26	0.00
4/16/2025 21:30	-0.03	1.34	100.0	31.35	2.65	38.56	758	696	744	-5.00	1075	1048	-5	40.8	0.125	0.86	0.26	0.00
4/16/2025 21:45	-0.03	1.34	100.0	27.51	2.59	38.01	752	698	745	-5.00	1069	1039	-5	40.7	0.125	0.85	0.26	0.00
4/16/2025 22:00	-0.03	1.34	100.0	25.86	2.89	38.19	754	700	741	-5.00	1064	1035	-5	40.2	0.122	0.84	0.26	0.00
4/16/2025 22:15	-0.03	1.35	100.0	28.45	3.23	37.99	746	696	741	-5.00	1084	1036	-5	39.9	0.121	0.82	0.26	0.00
4/16/2025 22:30	-0.03	1.35	100.0	32.41	2.96	38.09	753	703	741	-5.00	1059	1033	-5	39.7	0.120	0.82	0.26	0.00
4/16/2025 22:45	-0.03	1.35	100.0	33.88	3.01	38.42	749	703	740	-5.00	1057	1029	-5	39.4	0.119	0.81	0.26	0.00
4/16/2025 23:00	-0.03	1.35	100.0	27.62	2.95	38.23	748	700	739	-5.00	1069	1030	-5	39.3	0.118	0.81	0.26	0.00
4/16/2025 23:15	-0.03	1.36	100.0	33.41	3.13	37.77	742	691	737	-5.00	1082	1030	-5	39.1	0.117	0.80	0.26	0.00
4/16/2025 23:30	-0.03	1.36	100.0	35.15	2.87	37.98	732	697	734	-5.00	1072	1024	-5	38.7	0.115	0.79	0.26	0.00
4/16/2025 23:45	-0.03	1.36	100.0	29.17	3.00	38.34	751	697	744	-5.00	1061	1041	-5	38.5	0.114	0.78	0.26	0.00
4/17/2025 0:00	-0.03	1.36	100.0	24.87	2.69	37.79	759	693	745	-5.00	1084	1069	-5	38.6	0.115	0.78	0.31	0.00
4/17/2025 0:15	-0.03	1.36	100.0	39.70	3.33	38.10	757	689	747	-5.00	1095	1059	-5	38.4	0.114	0.78	0.31	0.00
4/17/2025 0:30	-0.03	1.36	100.0	30.14	2.64	37.96	752	689	740	-5.00	1089	1051	-5	38.2	0.113	0.77	0.31	0.00
4/17/2025 0:45	-0.03	1.36	100.0	30.20	2.69	37.59	735	688	735	-5.00	1076	1027	-5	37.8	0.112	0.76	0.31	0.00
4/17/2025 1:00	-0.03	1.36	100.0	33.34	3.22	37.12	744	690	741	-5.00	1069	1030	-5	37.6	0.110	0.75	0.31	0.00
4/17/2025 1:15	-0.04	1.36	100.0	28.66	2.98	38.00	744	686	741	-5.00	1067	1033	-5	37.1	0.108	0.74	0.31	0.00
4/17/2025 1:30	-0.04	1.36	100.0	28.99	3.02	37.52	752	688	744	-5.00	1069	1040	-5	36.9	0.107	0.73	0.31	0.00
4/17/2025 1:45	-0.04	1.36	100.0	34.34	3.23	37.09	753	693	741	-5.00	1068	1037	-5	36.6	0.106	0.73	0.31	0.00
4/17/2025 2:00	-0.04	1.36	100.0	33.60	3.02	37.07	755	692	742	-5.00	1060	1029	-5	36.5	0.106	0.72	0.31	0.00
4/17/2025 2:15	-0.04	1.37	100.0	38.87	3.16	37.72	748	694	739	-5.00	1051	1019	-5	36.4	0.105	0.72	0.31	0.00
4/17/2025 2:30	-0.04	1.37	100.0	32.11	3.37	36.94	748	701	736	-5.00	1063	1023	-5	36.5	0.106	0.72	0.31	0.00
4/17/2025 2:45	-0.04	1.37	100.0	39.50	2.68	36.71	750	695	740	-5.00	1055	1029	-5	36.5	0.106	0.72	0.31	0.00
4/17/2025 3:00	-0.04	1.37	100.0	27.05	2.61	36.93	756	694	741	-5.00	1059	1039	-5	36.5	0.106	0.72	0.31	0.00
4/17/2025 3:15	-0.04	1.37	100.0	32.87	3.24	37.52	753	691	742	-5.00	1055	1039	-5	36.2	0.105	0.71	0.31	0.00
4/17/2025 3:30	-0.04	1.37	100.0	31.64	3.22	36.69	749	699	735	-5.00	1076	1069	-5	35.6	0.102	0.70	0.31	0.00
4/17/2025 3:45	-0.04	1.37	100.0	26.99	2.53	36.85	751	694	741	-5.00	1064	1037	-5	35.9	0.103	0.71	0.31	0.00
4/17/2025 4:00	-0.04	1.37	100.0	31.08	2.87	37.18	756	691	741	-5.00	1060	1038	-5	35.8	0.103	0.70	0.31	0.00
4/17/2025 4:15	-0.04	1.37	100.0	30.28	2.63	37.17	747	690	739	-5.00	1065	1033	-5	35.8	0.103	0.70	0.31	0.00
4/17/2025 4:30	-0.04	1.38	100.0	35.39	3.20	36.64	739	689	735	-5.00	1070	1028	-5	35.4	0.101	0.69	0.31	0.00
4/17/2025 4:45	-0.04	1.38	100.0	43.67	3.03	37.21	732	685	733	-5.00	1078	1027	-5	35.1	0.100	0.68	0.31	0.00
4/17/2025 5:00	-0.04	1.38	100.0	35.25	2.85	36.80	754	687	742	-5.00	1073	1041	-5	34.7	0.098	0.67	0.31	0.00
4/17/2025 5:15	-0.04	1.38	100.0	29.28	2.99	37.36	764	691	743	-5.00	1084	1062	-5	34.6	0.098	0.67	0.31	0.00
4/17/2025 5:30	-0.04	1.38	100.0	28.70	2.88	37.42	760	697	739	-5.00	1087	1081	-5	34.2	0.096	0.66	0.31	0.00
4/17/2025 5:45	-0.04	1.39	100.0	26.80	2.64	37.08	765	697	745	-5.00	1087	1074	-5	34.1	0.096	0.66	0.31	0.00
4/17/2025 6:00	-0.04	1.39	100.0	32.89	3.38	36.51	764	699	744	-5.00	1100	1071	-5	34.1	0.096	0.66	0.31	0.00
4/17/2025 6:15	-0.04	1.39	100.0	20.46	2.80	37.60	748	735	748	-5.00	1081	1137	-5	33.7	0.095	0.65	0.31	0.00
4/17/2025 6:30	-0.04	1.40	100.0	25.34	2.70	37.58	729	783	755	-5.00	1083	1174	-5	34.0	0.096	0.65	0.31	0.00
4/17/2025 6:45	-0.04	1.40	100.0	32.70	2.68	37.53	709	788	754	-5.00	1075	1179	-5	36.1	0.104	0.71	0.31	0.00
4/17/2025 7:00	-0.04	1.40	100.0	30.53	2.97	37.59	715	797	757	-5.00	1088	1187	-5	37.9	0.112	0.76	0.31	0.00
4/17/2025 7:15	-0.04	1.40	100.0	31.83	3.28	37.76	722	775	736	-5.00	1089	1180	-5	40.0	0.122	0.83	0.31	0.00
4/17/2025 7:30	-0.04	1.40	100.0	46.90	3.30	37.36	753	703	741	-5.00	1098	1106	-5	41.2	0.127	0.87	0.31	0.00
4/17/2025 7:45	-0.04	1.41	100.0	30.36	2.70	37.27	733	702	733	-5.00	1098	1078	-5	42.7	0.135	0.92	0.31	0.00
4/17/2025 8:00	-0.04	1.41	100.0	31.80	3.24	37.17	737	736	734	-5.00	1076	1114	-5	46.4	0.156	1.07	0.31	0.00
4/17/2025 8:15	-0.04	1.41	100.0	30.68	2.73	37.47	719	769	727	-5.00	1089	1144	-5	48.2	0.166	1.13	0.31	0.00
4/17/2025 8:30	-0.04	1.41	100.0	26.90	2.67	37.92	728	754	717	-5.00	1090	1120	-5	49.7	0.176	1.20	0.31	0.00
4/17/2025 8:45	-0.03	1.41	100.0	22.64	2.54	37.98	741	728	729	-5.00	1101	1081	-5	50.3	0.180	1.23	0.31	0.00
4/17/2025 9:00	-0.03	1.42	100.0	29.26	2.58	37.59	723	760	717	-5.00	1092	1094	-5	51.7	0.189	1.29	0.31	0.00
4/17/2025 9:15	-0.03	1.42	100.0	27.16	3.09	38.09	719	766	717	-5.00	1103	1093	-5	52.4	0.194	1.33	0.31	0.00
4/17/2025 9:30	-0.03	1.42	100.0	36.28	3.05	37.95	730	767	720	-5.00	1080	1125	-5	53.8	0.205	1.40	0.31	0.00
4/17/2025 9:45	-0.04	1.43	100.0	33.86	2.80	37.89	740	765	717	-5.00	1011	1127	-5	49.9	0.177	1.21	0.31	0.00
4/17/2025 10:00	-0.04	1.42	100.0	28.61	3.13	37.64	755	774	661	-5.00	988	1098	-5	48.3	0.167	1.14	0.31	0.00
4/17/2025 10:15	-0.04	1.43	100.0	35.36	3.37	36.89	721	795	626	-5.00	977	1090	-5	47.2	0.160	1.09	0.31	0.00
4/17/2025 10:30	-0.04	1.42	100.0	29.30	2.85	36.17	717	810	674	-5.00	972	1093	-5	46.4	0.156	1.06	0.31	0.00
4/17/2025 10:45	-0.04	1.41	100.0	28.43	3.01	36.71	714	798	667	-5.00	955	1093	-5	46.3	0.155	1.05	0.31	0.00
4/17/2025 11:00	-0.04	1.41	100.0	28.54	2.65	36.59	715	769	624	-5.00	953	1089	-5	46.7	0.157	1.07	0.31	0.00
4/17/2025 11:15	-0.04	1.40	100.0	28.46	2.86	36.78	735	741	642	-5.00	954	1093	-5	47.7	0.163	1.11	0.31	0.00
4/17/2025 11:30	-0.04	1.39	100.0	23.73	2.67	36.87	735	738	656	-5.00	958	1099	-5	46.7	0.157	1.07	0.31	0.00
4/17/2025 11:45	-0.04	1.39	100.0	24.03	2.58	35.94	740	744	634	-5.00	960	1099	-5	48.2	0.166	1.13	0.31	0.00
4/17/2025 12:00	-0.04	1.39	100.0	40.30	2.71	36.49	732	763	623	-5.00	969	1098	-5	47.8	0.164	1.12	0.29	0.00
4/17/2025 12:15	-0.04	1.38	100.0	32.79	2.49	36.81	741	744	668	-5.00	973	1104	-5	48.6	0.168	1.15	0.29	0.00
4/17/2025 12:30	-0.04	1.37	100.0	26.70	2.28	36.24	735	751	635	-5.00	962	1101	-5	48.4	0.168	1.14	0.29	0.00
4/17/2025 12:45	-0.04	1.37	100.0	28.35	2.63	35.76	738	736	641	-5.00	953	1102	-5	48.0	0.165	1.13	0.29	0.00
4/17/2025 13:00	-0.04	1.38	100.0	29.05	2.72	35.90	739	724	672	-5.00	954	1101	-5	48.7	0.169	1.16	0.29	0.00
4/17/2025 13:15	-0.04	1.36	100.0	20.44	1.86	33.93	742	717	689	-5.00	954	1103	-5	48.8	0.170	1.16	0.29	0.00
4/17/2025 13:30	-0.04	1.34	100.0	31.06	2.94	37.40	741	715	709	-5.00	963	1101	-5	48.9	0.171	1.17	0.29	0.00
4/17/2025 13:45	-0.04	1.34	100.0	28.64	2.84	36.92	741	707	712	-5.00	967	1103	-5	48.7	0.169	1.16	0.29	0.00
4/17/2025 14:00	-0.04	1.34	100.0	23.89	2.90	37.34	757	688	703	-5.00	974	1090	-5	49.6	0.175	1.19	0.29	0.00
4/17/2025 14:15	-0.04	1.33	100.0	27.98	3.33	37.31	764	680	698	-5.00	972	1091	-5	49.9	0.177	1.21	0.29	0.00
4/17/2025 14:30	-0.04	1.33	100.0	21.58	2.73	38.61	764	690	701	-5.00	967	1099	-5	47.8	0.164	1.12	0.29	0.00
4/17/2025 14:45	-0.04	1.33	100.0	32.93	3.20	38.46	761	718	694	-5.00	966	1111	-5	49.3	0.173	1.18	0.29	0.00
4/17/2025 15:00	-0.04	1.33	100.0	28.85	3.47	38.29	760	719	700	-5.00	959	1120	-5	49.2	0.173	1.18	0.29	0.00
4/17/2025 15:15	-0.04	1.32	100.0	27.43	3.21	38.44	765	711	707	-5.00	959	1123	-5	48.6	0.169	1.15	0.29	0.00
4/17/2025 15:30	-0.04	1.32	100.0	29.65	2.86	38.32	766	704	705	-5.00	960	1119	-5	48.5	0.168	1.15	0.29	0.00
4/17/2025 15:45	-0.04	1.32	100.0	28.99	3.10	38.40	768	713	713	-5.00	959	1121	-5	49.0	0.171	1.17	0.29	0.00
4/17/2025 16:00	-0.04	1.32	100.0	24.27	3.11	37.90	768	705	711	-5.00	959	1119	-5	48.8	0.170	1.16	0.29	0.00
4/17/2025 16:15	-0.04	1.31	100.0	37.64	3.19	38.32	766	683	709	-5.00	968	1113	-5	47.7	0.163	1.11	0.29	0.00
4/17/2025 16:30	-0.04	1.31	100.0	34.68	2.88	37.61	767	681	710	-5.00	968	1119	-5	47.5	0.162	1.10	0.29	0.00
4/17/2025 16:45	-0.04	1.31	100.0	25.69	2.97	37.97	765	688	716	-5.00	965	1109	-5	48.0	0.165	1.13	0.29	0.00
4/17/2025 17:00	-0.04	1.31	100.0	19.18	2.76	37.59	766	694	722	-5.00	967	1102	-5	48.0	0.165	1.13	0.29	0.00
4/17/2025 17:15	-0.04	1.31	100.0	22.92	2.63	37.97	764	703	728	-5.00	969	1098	-5	48.5	0.168	1.15	0.29	0.00
4/17/2025 17:30	-0.04	1.31	100.0	28.98	2.88	38.59	762	713	733	-5.00	974	1096	-5	47.7	0.163	1.11	0.29	0.00
4/17/2025 17:45	-0.04	1.30	100.0	22.57	2.53	38.62	760	713	733	-5.00	973	1094	-5	48.6	0.169	1.15	0.29	0.00
4/17/2025 18:00	-0.04	1.30	100.0	24.32	2.85	38.67	760	715	734	-5.00	973	1095	-5	49.7	0.176	1.20	0.29	0.00
4/17/2025 18:15	-0.04	1.31	100.0	26.29	2.83	38.73	757	718	729	-5.00	959	1103	-5	50.0	0.178	1.21	0.29	0.00
4/17/2025 18:30	-0.04	1.30	100.0	27.05	2.87	38.90	753	728	694	-5.00	947	1101	-5	49.2	0.173	1.18	0.29	0.00

Flare Gas Composition / Property Calculations

	Hydrogen (mol %)	Oxygen (mol %)	Nitrogen (mol %)	Carbon Monoxide (mol %)	Carbon Dioxide (mol %)	Methane (mol %)	Ethane (mol %)	Propane (mol %)	Propylene (mol %)	i-Butane (mol %)	n-Butane (mol %)	Butylene (mol %)	i-Pentane (mol %)	n-Pentane (mol %)	n-Hexane and C6+ (mol %)	Flare Gas Lower Flamibility Limit (LFLvg)	Net Heating Value (NHVvg BTU/SCF)	Molecular Weight (lb/lbmol)	NFVvg-LFL	Calc Net Heating Value Limit (NHVcz-limit BTU/SCF)	Maximum Velocity (ft/s)
4/15/2025 22:00	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 22:15	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 22:30	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 22:45	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 23:00	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 23:15	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 23:30	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/15/2025 23:45	50.23	0.00	0.66	0.02	0.83	38.23	2.38	1.60	0.00	1.50	1.21	0.00	1.01	0.43	0.69	0.04	1187	12.62	47.69	338.6	400
4/16/2025 0:00	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 0:15	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 0:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 0:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 1:00	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 1:15	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 1:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 1:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 2:00	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 2:15	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 2:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 2:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 3:00	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 3:15	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 3:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 3:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 4:00	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 4:15	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 4:30	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 4:45	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 5:00	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 5:15	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 5:30	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 5:45	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 6:00	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 6:15	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 6:30	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 6:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 7:00	46.60	0.00	1.84	0.02	1.00	38.54	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1207	14.19	47.84	339.7	400
4/16/2025 7:15	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 7:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 7:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 8:00	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 8:15	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 8:30	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 8:45	46.57	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 9:00	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 9:15	46.60	0.00	1.84	0.02	1.00	38.54	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1207	14.19	47.84	339.7	400
4/16/2025 9:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 9:45	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 10:00	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 10:15	46.57	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 10:30	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 10:45	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 11:00	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1206	14.19	47.84	339.7	400
4/16/2025 11:15	46.55	0.00	1.84	0.02	1.00	38.50	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 11:30	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 11:45	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 12:00	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 12:15	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 12:30	46.56	0.00	1.84	0.02	1.00	38.50	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1206	14.19	47.84	339.7	400
4/16/2025 12:45	46.55	0.00	1.84	0.02	1.00	38.49	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 13:00	46.55	0.00	1.84	0.02	1.00	38.50	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 13:15	46.54	0.00	1.84	0.02	1.00	38.49	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 13:30	46.51	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 13:45	46.53	0.00	1.83	0.02	1.00	38.48	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 14:00	46.50	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 14:15	46.52	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 14:30	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 14:45	46.50	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 15:00	46.51	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 15:15	46.50	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 15:30	46.50	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 15:45	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 16:00	46.46	0.00	1.83	0.02	1.00	38.43	2.68	2.05	0.00	1.88	1.47	0.00	1.33	0.58	0.95	0.04	1203	14.20	47.84	339.7	400
4/16/2025 16:15	46.47	0.00	1.83	0.02	1.00	38.43	2.68	2.05	0.00	1.88	1.47	0.00	1.33	0.58	0.95	0.04	1203	14.20	47.84	339.7	400
4/16/2025 16:30	46.47	0.00	1.83	0.02	1.00	38.43	2.68	2.05	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1203	14.20	47.84	339.7	400
4/16/2025 16:45	46.48	0.00	1.83	0.02	1.00	38.44	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 17:00	46.48	0.00	1.83	0.02	1.00	38.44	2.68	2.05	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 17:15	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 17:30	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 17:45	46.48	0.00	1.83	0.02	1.00	38.44	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 18:00	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 18:15	46.49	0.00	1.83	0.02	1.00	38.45	2.68	2.06	0.00	1.89	1.47	0.00	1.33	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 18:30	46.51	0.00	1.83	0.02	1.00	38.46	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 18:45	46.51	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 19:00	46.51	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 19:15	46.52	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1204	14.20	47.84	339.7	400
4/16/2025 19:30	46.52	0.00	1.83	0.02	1.00	38.47	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 19:45	46.52	0.00	1.83	0.02	1.00	38.48	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 20:00	46.53	0.00	1.84	0.02	1.00	38.48	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 20:15	46.53	0.00	1.84	0.02	1.00	38.48	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 20:30	46.54	0.00	1.84	0.02	1.00	38.49	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 20:45	46.54	0.00	1.84	0.02	1.00	38.49	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 21:00	46.54	0.00	1.84	0.02	1.00	38.49	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 21:15	46.55	0.00	1.84	0.02	1.00	38.50	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1205	14.20	47.84	339.7	400
4/16/2025 21:30	46.56	0.00	1.84	0.02	1.00	38.50	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1206	14.19	47.84	339.7	400
4/16/2025 21:45	46.56	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.47	0.00	1.34	0.58	0.95	0.04	1206	14.19	47.84	339.7	400
4/16/2025 22:00	46.57	0.00	1.84	0.02	1.00	38.51	2.68	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 22:15	46.57	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 22:30	46.57	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 22:45	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 23:00	46.58	0.00	1.84	0.02	1.00	38.52	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 23:15	46.58	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 23:30	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/16/2025 23:45	46.59	0.00	1.84	0.02	1.00	38.53	2.69	2.06	0.00	1.89	1.48	0.00	1.34	0.58	0.96	0.04	1206	14.19	47.84	339.7	400
4/17/2025 0:00	49.87	0.00	0.62	0.02	0.94	39.31	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.40	47.62	338.1	400
4/17/2025 0:15	49.88	0.00	0.62	0.02	0.94	39.32	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.40	47.62	338.1	400
4/17/2025 0:30	49.88	0.00	0.62	0.02	0.94	39.32	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.40	47.62	338.1	400
4/17/2025 0:45	49.89	0.00	0.62	0.02	0.94	39.32	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.40	47.62	338.1	400
4/17/2025 1:00	49.89	0.00	0.62	0.02	0.94	39.33	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 1:15	49.90	0.00	0.62	0.02	0.94	39.33	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 1:30	49.90	0.00	0.62	0.02	0.94	39.33	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 1:45	49.90	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 2:00	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 2:15	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 2:30	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 2:45	49.90	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 3:00	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 3:15	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 3:30	49.92	0.00	0.62	0.02	0.94	39.35	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 3:45	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 4:00	49.91	0.00	0.62	0.02	0.94	39.35	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 4:15	49.91	0.00	0.62	0.02	0.94	39.35	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 4:30	49.92	0.00	0.62	0.02	0.94	39.35	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 4:45	49.92	0.00	0.62	0.02	0.95	39.35	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 5:00	49.93	0.00	0.62	0.02	0.95	39.36	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 5:15	49.93	0.00	0.62	0.02	0.95	39.36	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 5:30	49.94	0.00	0.62	0.02	0.95	39.36	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 5:45	49.94	0.00	0.62	0.02	0.95	39.36	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 6:00	49.94	0.00	0.62	0.02	0.95	39.36	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 6:15	49.94	0.00	0.62	0.02	0.95	39.37	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 6:30	49.94	0.00	0.62	0.02	0.95	39.37	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1173	12.39	47.62	338.1	400
4/17/2025 6:45	49.91	0.00	0.62	0.02	0.94	39.34	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.39	47.62	338.1	400
4/17/2025 7:00	49.88	0.00	0.62	0.02	0.94	39.32	2.31	1.48	0.00	1.39	1.05	0.00	0.87	0.36	0.69	0.04	1172	12.40	47.62	338.1	400
4/17/2025 7:15	49.85	0.00	0.62	0.02	0.94	39.30	2.31	1.48	0.00	1.38	1.05	0.00	0.87	0.36	0.69	0.04	1171	12.40	47.62	338.1	400
4/17/2025 7:30	49.83	0.00	0.62	0.02	0.94	39.28	2.31	1.48	0.00	1.38	1.05	0.00	0.87	0.36	0.69	0.04	1171	12.40	47.62	338.1	400
4/17/2025 7:45	49.81	0.00	0.62	0.02	0.94	39.26	2.31	1.48	0.00	1.38	1.05	0.00	0.87	0.36	0.69	0.04	1170	12.40	47.62	338.1	400
4/17/2025 8:00	49.73	0.00	0.62	0.02	0.94	39.20	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 8:15	49.70	0.00	0.62	0.02	0.94	39.18	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.42	47.62	338.1	400
4/17/2025 8:30	49.67	0.00	0.62	0.02	0.94	39.15	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1167	12.42	47.62	338.1	400
4/17/2025 8:45	49.66	0.00	0.61	0.02	0.94	39.14	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1166	12.42	47.62	338.1	400
4/17/2025 9:00	49.62	0.00	0.61	0.02	0.94	39.12	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1166	12.43	47.62	338.1	400
4/17/2025 9:15	49.61	0.00	0.61	0.02	0.94	39.10	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1165	12.43	47.62	338.1	400
4/17/2025 9:30	49.57	0.00	0.61	0.02	0.94	39.08	2.29	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1165	12.43	47.62	338.1	400
4/17/2025 9:45	49.66	0.00	0.62	0.02	0.94	39.15	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.68	0.04	1167	12.42	47.62	338.1	400
4/17/2025 10:00	49.70	0.00	0.62	0.02	0.94	39.18	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1167	12.42	47.62	338.1	400
4/17/2025 10:15	49.72	0.00	0.62	0.02	0.94	39.19	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 10:30	49.74	0.00	0.62	0.02	0.94	39.21	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 10:45	49.74	0.00	0.62	0.02	0.94	39.21	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 11:00	49.73	0.00	0.62	0.02	0.94	39.20	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 11:15	49.71	0.00	0.62	0.02	0.94	39.19	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.42	47.62	338.1	400
4/17/2025 11:30	49.73	0.00	0.62	0.02	0.94	39.20	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.41	47.62	338.1	400
4/17/2025 11:45	49.70	0.00	0.62	0.02	0.94	39.18	2.30	1.47	0.00	1.38	1.04	0.00	0.87	0.36	0.69	0.04	1168	12.42	47.62	338.1	400
4/17/2025 12:00	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 12:15	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 12:30	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 12:45	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 13:00	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 13:15	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 13:30	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 13:45	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 14:00	46.79	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1143	13.60	47.71	338.8	400
4/17/2025 14:15	46.79	0.00	4.20	0.02	0.93	37.81	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1142	13.60	47.71	338.8	400
4/17/2025 14:30	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 14:45	46.80	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1143	13.60	47.71	338.8	400
4/17/2025 15:00	46.80	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1143	13.60	47.71	338.8	400
4/17/2025 15:15	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 15:30	46.81	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 15:45	46.80	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 16:00	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 16:15	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 16:30	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1144	13.59	47.71	338.8	400
4/17/2025 16:45	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 17:00	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 17:15	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 17:30	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.59	47.71	338.8	400
4/17/2025 17:45	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79	0.04	1143	13.60	47.71	338.8	400
4/17/2025 18:00	46.79	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1142	13.60	47.71	338.8	400
4/17/2025 18:15	46.78	0.00	4.19	0.02	0.93	37.81	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1142	13.60	47.71	338.8	400
4/17/2025 18:30	46.80	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78	0.04	1143	13.60	47.71	338.8	400

ZTOF / 36inch Flare / 24inch Flare / Pit Flare

	ZTOF Stage Estimate (1)	ZTOF Flow Estimate (lb/hr)	ZTOF Flow Estimate (SCFH)	ZTOF Steam Flow Estimate (lb/hr)	ZTOF Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	36inch Flare Active Estimate (2.8)	36inch Flow Estimate (lb/hr)	36inch Flow Estimate (SCFH)	36inch Steam Flow Estimate (lb/hr)	36inch Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	24inch Flare Active Estimate (3)	24inch Flow Estimate (lb/hr)	24inch Flow Estimate (SCFH)	24inch Steam Flow Estimate (lb/hr)	24inch Steam Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Pit Flare Active Estimate (5.5)	Pit Flare Scenario Estimate	Pit Flow Estimate (lb/hr)	Pit Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Total SO2 Emissions (kg/period)
4/15/2025 22:00	1	4529	136208	4193	88326	722	0.07	10.53																								10.53
4/15/2025 22:15	1	4529	136210	4193	88326	722	0.07	10.53																								10.53
4/15/2025 22:30	1	4529	136212	4193	88326	722	0.07	10.53																								10.53
4/15/2025 22:45	1	4529	136214	4193	88326	722	0.07	10.53																								10.53
4/15/2025 23:00	1	4529	136212	4193	88326	722	0.07	10.53																								10.53
4/15/2025 23:15	1	4529	136214	4193	88326	722	0.07	10.53																								10.53
4/15/2025 23:30	1	4529	136215	4193	88326	722	0.07	10.53																								10.53
4/15/2025 23:45	1	4529	136216	4193	88326	722	0.07	10.53																								10.53
4/16/2025 0:00	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 0:15	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 0:30	1	4529	121127	4193	88326	700	0.06	5.81																								5.81
4/16/2025 0:45	1	4529	121127	4193	88326	700	0.06	5.81																								5.81
4/16/2025 1:00	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 1:15	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 1:30	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 1:45	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 2:00	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 2:15	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 2:30	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 2:45	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 3:00	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 3:15	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 3:30	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 3:45	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 4:00	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 4:15	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 4:30	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 4:45	1	4529	121122	4193	88326	700	0.06	5.81																								5.81
4/16/2025 5:00	1	4529	121122	4193	88326	700	0.06	5.81																								5.81
4/16/2025 5:15	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 5:30	1	4529	121122	4193	88326	700	0.06	5.81																								5.81
4/16/2025 5:45	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 6:00	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 6:15	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 6:30	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 6:45	1	4529	121131	4193	88326	700	0.06	5.81																								5.81
4/16/2025 7:00	1	4529	121133	4193	88326	700	0.06	5.81																								5.81
4/16/2025 7:15	1	4529	121131	4193	88326	700	0.06	5.81																								5.81
4/16/2025 7:30	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 7:45	1	4529	121125	4193	88326	700	0.06	5.81																								5.81
4/16/2025 8:00	1	4529	121121	4193	88326	700	0.06	5.81																								5.81
4/16/2025 8:15	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 8:30	1	4529	121119	4193	88326	700	0.06	5.81																								5.81
4/16/2025 8:45	1	4529	121115	4193	88326	700	0.06	5.81																								5.81
4/16/2025 9:00	1	4529	121119	4193	88326	700	0.06	5.81																								5.81
4/16/2025 9:15	1	4529	121132	4193	88326	700	0.06	5.81																								5.81
4/16/2025 9:30	1	4529	121124	4193	88326	700	0.06	5.81																								5.81
4/16/2025 9:45	1	4529	121123	4193	88326	700	0.06	5.81																								5.81
4/16/2025 10:00	1	4529	121120	4193	88326	700	0.06	5.81																								5.81
4/16/2025 10:15	1	4529	121114	4193	88326	700	0.06	5.81																								5.81
4/16/2025 10:30	1	4529	121109	4193	88326	700	0.06	5.81																								5.81
4/16/2025 10:45	1	4529	121107	4193	88326	700	0.06	5.81																								5.81
4/16/2025 11:00	1	4529	121106	4193	88326	700	0.06	5.81																								5.81
4/16/2025 11:15	1	4529	121098	4193	88326	699	0.06	5.81																								5.81
4/16/2025 11:30	1	4529	121109	4193	88326	700	0.06	5.81																								5.81
4/16/2025 11:45	1	4529	121108	4193	88326	700	0.06	5.81																								5.81
4/16/2025 12:00	1	4529	121107	4193	88326	700	0.06	5.81																								5.81
4/16/2025 12:15	1	4529	121107	4193	88326	700	0.06	5.81																								5.81
4/16/2025 12:30	1	4529	121103	4193	88326	700	0.06	5.81																								5.81
4/16/2025 12:45	1	4529	121094	4193	88326	699	0.06	5.80																								5.80
4/16/2025 13:00	1	4529	121098	4193	88326	699	0.06	5.81																								5.81
4/16/2025 13:15	1	4529	121088	4193	88326	699	0.06	5.80																								5.80
4/16/2025 13:30	1	4529	121070	4193	88326	699	0.06	5.80																								5.80
4/16/2025 13:45	1	4529	121081	4193	88326	699	0.06	5.80																								5.80
4/16/2025 14:00	1	4529	121060	4193	88326	699	0.06	5.80																								5.80
4/16/2025 14:15	1	4529	121071	4193	88326	699	0.06	5.80																								5.80
4/16/2025 14:30	1	4529	121051	4193	88326	698	0.06	5.80																								5.80
4/16/2025 14:45	1	4529	121058	4193	88326	699	0.06	5.80																								5.80
4/16/2025 15:00	1	4529	121065	4193	88326	699	0.06	5.80																								5.80
4/16/2025 15:15	1	4529	121061	4193	88326	699	0.06	5.80																								5.80
4/16/2025 15:30	1	4529	121059	4193	88326	699	0.06	5.80																								5.80
4/16/2025 15:45	1	4529	121055	4193	88326	698	0.06	5.80																								5.80
4/16/2025 16:00	1	4529	121032	4193	88326	698	0.06	5.79																								5.79
4/16/2025 16:15	1	4529	121034	4193	88326	698	0.06	5.79																								5.79
4/16/2025 16:30	1	4529	121038	4193	88326	698	0.06	5.79																								5.79
4/16/2025 16:45	1	4529	121045	4193	88326	698	0.06	5.79																								5.79
4/16/2025 17:00	1	4529	121044	4193	88326	698	0.06	5.79																								5.79
4/16/2025 17:15	1	4529	121051	4193	88326	698	0.06	5.80																								5.80
4/16/2025 17:30	1	4529	121053	4193	88326	698	0.06	5.80																								5.80
4/16/2025 17:45	1	4529	121046	4193	88326	698	0.06	5.79																								5.79
4/16/2025 18:00	1	4529	121050	4193	88326	698	0.06	5.80																								5.80
4/16/2025 18:15	1	4529	121052	4193	88326	698	0.06	5.80																								5.80
4/16/2025 18:30	1	4529	121065	4193	88326	699	0.06	5.80																								5.80
4/16/2025 18:45	1	4529	121067	4193	88326	699	0.06	5.80																								5.80
4/16/2025 19:00	1	4529	121069	4193	88326	699	0.06	5.80																								5.80
4/16/2025 19:15	1	4529	121072	4193	88326	699	0.06	5.80																								5.80
4/16/2025 19:30	1	4529	121075	4193	88326	699	0.06	5.80																								5.80
4/16/2025 19:45	1	4529	121077	4193	88326	699	0.06	5.80																								5.80
4/16/2025 20:00	1	4529	121084	4193	88326	699	0.06	5.80																								5.80
4/16/2025 20:15	1	4529	121085	4193	88326	699	0.06	5.80																								5.80
4/16/2025 20:30	1	4529	121089	4193	88326	699	0.06	5.80																								5.80
4/16/2025 20:45	1	4529	121091	4193	88326	699	0.06	5.80																								5.80
4/16/2025 21:00	1	4529	121093	4193	88326	699	0.06	5.80																								5.80
4/16/2025 21:15	1	4529	121099	4193	88326	699	0.06	5.81																								5.81
4/16/2025 21:30	1	4529	121103	4193	88326	700	0.06	5.81																								5.81
4/16/2025 21:45	1	4529	121105	4193	88326	700	0.06	5.81																								5.81
4/16/2025 22:00	1	4529	121110	4193	88326	700	0.06	5.81																								5.81
4/16/2025 22:15	1	4529	121114	4193	88326	700	0.06	5.81																								5.81
4/16/2025 22:30	1	4529	121116	4193	88326	700	0.06	5.81																								5.81
4/16/2025 22:45	1	4529	121119	4193	88326	700	0.06	5.81																								5.81
4/16/2025 23:00	1	4529	121120	4193	88326	700	0.06	5.81																								5.81
4/16/2025 23:15	1	4529	121122	4193	88326	700	0.06	5.81																								5.81
4/16/2025 23:30	1	4529	121126	4193	88326	700	0.06	5.81																								5.81
4/16/2025 23:45	1	4529	121129	4193	88326	700	0.06	5.81																								5.81
4/17/2025 0:00	1	4529	138673	4193	88326	718	0.07	8.16																								8.16
4/17/2025 0:15	1	4529	138677	4193	88326	718	0.07	8.16																								8.16
4/17/2025 0:30	1	4529	138681	4193	88326	718	0.07	8.16																								8.16
4/17/2025 0:45	1	4529	138688	4193	88326	718	0.07	8.16																								8.16
4/17/2025 1:00	1	4529	138693	4193	88326	718	0.07	8.16																								8.16
4/17/2025 1:15	1	4529	138702	4193	88326	718	0.07	8.16																								8.16
4/17/2025 1:30	1	4529	138706	4193	88326	718	0.07	8.16																								8.16
4/17/2025 1:45	1	4529	138711	4193	88326	718	0.07	8.17																								8.17
4/17/2025 2:00	1	4529	138714	4193	88326	718	0.07	8.17																								8.17
4/17/2025 2:15	1	4529	138715	4193	88326	718	0.07	8.17																								8.17
4/17/2025 2:30	1	4529	138714	4193	88326	718	0.07	8.17																								8.17
4/17/2025 2:45	1	4529	138713	4193	88326	718	0.07	8.17																								8.17
4/17/2025 3:00	1	4529	138714	4193	88326	718	0.07	8.17																								8.17
4/17/2025 3:15	1	4529	138718	4193	88326	718	0.07	8.17																								8.17
4/17/2025 3:30	1	4529	138729	4193	88326	719	0.07	8.17																								8.17
4/17/2025 3:45	1	4529	138724	4193	88326	718	0.07	8.17																								8.17
4/17/2025 4:00	1	4529	138726	4193	88326	718	0.07	8.17																								8.17
4/17/2025 4:15	1	4529	138726	4193	88326	718	0.07	8.17																								8.17
4/17/2025 4:30	1	4529	138733	4193	88326	719	0.07	8.17																								8.17
4/17/2025 4:45	1	4529	138739	4193	88326	719	0.07	8.17																								8.17
4/17/2025 5:00	1	4529	138746	4193	88326	719	0.07	8.17																								8.17
4/17/2025 5:15	1	4529	138748	4193	88326	719	0.07	8.17																								8.17
4/17/2025 5:30	1	4529	138755	4193	88326	719	0.07	8.17																								8.17
4/17/2025 5:45	1	4529	138756	4193	88326	719	0.07	8.17																								8.17
4/17/2025 6:00	1	4529	138756	4193	88326	719	0.07	8.17																								8.17
4/17/2025 6:15	1	4529	138763	4193	88326	719	0.07	8.18																								8.18
4/17/2025 6:30	1	4529	138758	4193	88326	719	0.07	8.17																								8.17
4/17/2025 6:45	1	4529	138721	4193	88326	718	0.07	8.17																								8.17
4/17/2025 7:00	1	4529	138686	4193	88326	718	0.07	8.16																								8.16
4/17/2025 7:15	1	4529	138643	4193	88326	717	0.07	8.15																								8.15
4/17/2025 7:30	1	4529	138618	4193	88326	717	0.07	8.15																								8.15
4/17/2025 7:45	1	4529	138582	4193	88326	717	0.07	8.14																								8.14
4/17/2025 8:00	1	4529	138487	4193	88326	715	0.07	8.13																								8.13
4/17/2025 8:15	1	4529	138442	4193	88326	715	0.07	8.12																								8.12
4/17/2025 8:30	1	4529	138398	4193	88326	714	0.07	8.11																								8.11
4/17/2025 8:45	1	4529	138380	4193	88326	714	0.07	8.11																								8.11
4/17/2025 9:00	1	4529	138337	4193	88326	714	0.07	8.10																								8.10
4/17/2025 9:15	1	4529	138314	4193	88326	713	0.07	8.09																								8.09
4/17/2025 9:30	1	4529	138266	4193	88326	713	0.07	8.09																								8.09
4/17/2025 9:45	1	4529	138391	4193	88326	714	0.07	8.11																								8.11
4/17/2025 10:00	1	4529	138438	4193	88326	715	0.07	8.12																								8.12
4/17/2025 10:15	1	4529	138470	4193	88326	715	0.07	8.12																								8.12
4/17/2025 10:30	1	4529	138490	4193	88326	715	0.07	8.13																								8.13
4/17/2025 10:45	1	4529	138495	4193	88326	716	0.07	8.13																								8.13
4/17/2025 11:00	1	4529	138482	4193	88326	715	0.07	8.12																								8.12
4/17/2025 11:15	1	4529	138456	4193	88326	715	0.07	8.12																								8.12
4/17/2025 11:30	1	4529	138482	4193	88326	715	0.07	8.12																								8.12
4/17/2025 11:45	1	4529	138442	4193	88326	715	0.07	8.12																								8.12
4/17/2025 12:00	1	4529	126445	4193	88326	676	0.06	6.80																								6.80
4/17/2025 12:15	1	4529	126431	4193	88326	675	0.06	6.80																								6.80
4/17/2025 12:30	1	4529	126434	4193	88326	676	0.06	6.80																								6.80
4/17/2025 12:45	1	4529	126442	4193	88326	676	0.06	6.80																								6.80
4/17/2025 13:00	1	4529	126428	4193	88326	675	0.06	6.80																								6.80
4/17/2025 13:15	1	4529	126426	4193	88326	675	0.06	6.80																								6.80
4/17/2025 13:30	1	4529	126424	4193	88326	675	0.06	6.80																								6.80
4/17/2025 13:45	1	4529	126428	4193	88326	675	0.06	6.80																								6.80
4/17/2025 14:00	1	4529	126411	4193	88326	675	0.06	6.79																								6.79
4/17/2025 14:15	1	4529	126405	4193	88326	675	0.06	6.79																								6.79
4/17/2025 14:30	1	4529	126445	4193	88326	676	0.06	6.80																								6.80
4/17/2025 14:45	1	4529	126416	4193	88326	675	0.06	6.79																								6.79
4/17/2025 15:00	1	4529	126418	4193	88326	675	0.06	6.80																								6.80
4/17/2025 15:15	1	4529	126431	4193	88326	675	0.06	6.80																								6.80
4/17/2025 15:30	1	4529	126433	4193	88326	676	0.06	6.80																								6.80
4/17/2025 15:45	1	4529	126422	4193	88326	675	0.06	6.80																								6.80
4/17/2025 16:00	1	4529	126427	4193	88326	675	0.06	6.80																								6.80
4/17/2025 16:15	1	4529	126447	4193	88326	676	0.06	6.80																								6.80
4/17/2025 16:30	1	4529	126451	4193	88326	676	0.06	6.80																								6.80
4/17/2025 16:45	1	4529	126441	4193	88326	676	0.06	6.80																								6.80
4/17/2025 17:00	1	4529	126441	4193	88326	676	0.06	6.80																								6.80
4/17/2025 17:15	1	4529	126432	4193	88326	676	0.06	6.80																								6.80
4/17/2025 17:30	1	4529	126448	4193	88326	676	0.06	6.80																								6.80
4/17/2025 17:45	1	4529	126431	4193	88326	675	0.06	6.80																								6.80
4/17/2025 18:00	1	4529	126409	4193	88326	675	0.06	6.79																								6.79
4/17/2025 18:15	1	4529	126402	4193	88326	675	0.06	6.79																								6.79
4/17/2025 18:30	1	4529	126417	4193	88326	675	0.06	6.79																								6.79

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

▭ = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
4/17/2025 18:45	-0.04	1.30	100.0	25.16	2.86	39.01	743	733	673	-5.00	934	1093	-5	49.9
4/17/2025 19:00	-0.04	1.31	100.0	29.44	2.98	38.46	757	775	725	-5.00	935	1104	-5	50.0
4/17/2025 19:15	-0.04	1.31	100.0	34.01	3.29	38.12	764	762	762	-5.00	964	1110	-5	49.4
4/17/2025 19:30	-0.04	1.31	100.0	31.24	3.18	38.00	761	768	775	-5.00	945	1124	-5	49.0
4/17/2025 19:45	-0.04	1.31	100.0	34.51	3.39	38.48	763	763	776	-5.00	967	1116	-5	48.9
4/17/2025 20:00	-0.04	1.31	100.0	23.55	2.79	38.87	762	769	772	-5.00	982	1113	-5	48.9
4/17/2025 20:15	-0.04	1.31	100.0	23.65	2.99	38.61	766	767	768	-5.00	996	1105	-5	48.0
4/17/2025 20:30	-0.04	1.32	100.0	27.66	2.89	38.73	766	766	751	-5.00	1016	1112	-5	48.1
4/17/2025 20:45	-0.04	1.32	100.0	24.91	2.74	38.62	765	783	726	-5.00	1017	1104	-5	47.4
4/17/2025 21:00	-0.04	1.32	100.0	26.81	2.73	38.44	761	754	738	-5.00	1030	1101	-5	47.5
4/17/2025 21:15	-0.04	1.33	100.0	24.10	2.97	38.87	765	771	742	-5.00	1025	1114	-5	47.4

Calculated Data — Flare Gas Composition

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/17/2025 18:45	0.177	1.21	0.29	0.00	46.79	0.00	4.20	0.02	0.93	37.81	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78
4/17/2025 19:00	0.178	1.21	0.29	0.00	46.78	0.00	4.19	0.02	0.93	37.81	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78
4/17/2025 19:15	0.174	1.18	0.29	0.00	46.80	0.00	4.20	0.02	0.93	37.82	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.78
4/17/2025 19:30	0.171	1.17	0.29	0.00	46.80	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 19:45	0.171	1.17	0.29	0.00	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 20:00	0.171	1.16	0.29	0.00	46.81	0.00	4.20	0.02	0.93	37.83	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 20:15	0.165	1.13	0.29	0.00	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 20:30	0.165	1.13	0.29	0.00	46.82	0.00	4.20	0.02	0.93	37.84	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 20:45	0.161	1.10	0.29	0.00	46.84	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 21:00	0.162	1.10	0.29	0.00	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79
4/17/2025 21:15	0.161	1.10	0.29	0.00	46.83	0.00	4.20	0.02	0.93	37.85	2.20	1.59	0.00	1.55	1.21	0.00	1.01	0.43	0.79

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/17/2025 18:45	0.04	1142	13.60	47.71	338.8	400	1	4529	126405	4193	88326	675	0.06	6.79																								6.79
4/17/2025 19:00	0.04	1142	13.60	47.71	338.8	400	1	4529	126402	4193	88326	675	0.06	6.79																								6.79
4/17/2025 19:15	0.04	1143	13.60	47.71	338.8	400	1	4529	126415	4193	88326	675	0.06	6.79																								6.79
4/17/2025 19:30	0.04	1143	13.60	47.71	338.8	400	1	4529	126422	4193	88326	675	0.06	6.80																								6.80
4/17/2025 19:45	0.04	1143	13.60	47.71	338.8	400	1	4529	126424	4193	88326	675	0.06	6.80																								6.80
4/17/2025 20:00	0.04	1143	13.60	47.71	338.8	400	1	4529	126424	4193	88326	675	0.06	6.80																								6.80
4/17/2025 20:15	0.04	1143	13.60	47.71	338.8	400	1	4529	126441	4193	88326	676	0.06	6.80																								6.80
4/17/2025 20:30	0.04	1143	13.60	47.71	338.8	400	1	4529	126441	4193	88326	676	0.06	6.80																								6.80
4/17/2025 20:45	0.04	1144	13.59	47.71	338.8	400	1	4529	126453	4193	88326	676	0.06	6.80																								6.80
4/17/2025 21:00	0.04	1144	13.59	47.71	338.8	400	1	4529	126451	4193	88326	676	0.06	6.80																								6.80
4/17/2025 21:15	0.04	1144	13.59	47.71	338.8	400	1	4529	126452	4193	88326	676	0.06	6.80																								6.80

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %
4/19/2025 15:30	-0.04	1.15	100.0	28.85	2.49	36.44	754	730	748	-5.00	1068	1025	-5	64.8	0.303	2.07	0.21	0.00	49.32	0.00	1.07
4/19/2025 15:45	-0.04	1.15	100.0	27.26	2.28	36.46	745	747	746	-5.00	1043	1016	-5	63.4	0.289	1.97	0.21	0.00	49.37	0.00	1.07
4/19/2025 16:00	-0.04	1.15	100.0	22.03	2.38	37.07	749	742	738	-5.00	1031	993	-5	63.0	0.284	1.94	0.21	0.00	49.38	0.00	1.07
4/19/2025 16:15	-0.04	1.15	100.0	35.88	2.64	35.91	748	746	736	-5.00	1055	997	-5	61.8	0.273	1.86	0.22	0.00	49.42	0.00	1.07
4/19/2025 16:30	-0.04	1.14	100.0	26.84	2.72	36.09	756	735	738	-5.00	1051	1014	-5	60.9	0.265	1.81	0.22	0.00	49.44	0.00	1.07
4/19/2025 16:45	-0.04	1.14	100.0	32.91	2.94	35.73	759	732	746	-5.00	1062	1020	-5	60.8	0.263	1.80	0.22	0.00	49.45	0.00	1.07
4/19/2025 17:00	-0.04	1.14	100.0	27.10	2.76	35.85	754	740	740	-5.00	1036	1003	-5	59.8	0.254	1.74	0.22	0.00	49.48	0.00	1.07
4/19/2025 17:15	-0.04	1.14	100.0	26.02	2.45	36.17	747	739	744	-5.00	1023	1015	-5	58.8	0.245	1.67	0.22	0.00	49.51	0.00	1.07
4/19/2025 17:30	-0.04	1.14	100.0	32.81	2.95	36.12	745	741	740	-5.00	1016	979	-5	58.9	0.246	1.68	0.22	0.00	49.51	0.00	1.07
4/19/2025 17:45	-0.04	1.14	100.0	23.05	2.18	35.55	748	741	742	-5.00	1035	974	-5	60.6	0.261	1.78	0.22	0.00	49.46	0.00	1.07
4/19/2025 18:00	-0.03	1.14	100.0	29.95	2.57	36.07	744	739	739	-5.00	1033	970	-5	61.3	0.268	1.83	0.22	0.00	49.43	0.00	1.07
4/19/2025 18:15	-0.03	1.14	100.0	24.20	2.82	35.78	744	743	733	-5.00	1041	963	-5	61.3	0.268	1.83	0.22	0.00	49.43	0.00	1.07
4/19/2025 18:30	-0.03	1.14	100.0	22.60	2.67	36.31	749	742	740	-5.00	1052	970	-5	57.7	0.236	1.61	0.22	0.00	49.54	0.00	1.07
4/19/2025 18:45	-0.03	1.15	100.0	34.11	2.91	34.97	739	745	738	-5.00	1020	963	-5	55.7	0.219	1.49	0.22	0.00	49.60	0.00	1.07

	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
													LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
4/19/2025 15:30	0.02	0.92	39.44	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1139	12.20	47.58	337.9	400	1	4529	140851	4193	88326	702	0.07	5.67
4/19/2025 15:45	0.02	0.92	39.48	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1140	12.20	47.58	337.9	400	1	4529	140923	4193	88326	703	0.07	5.68
4/19/2025 16:00	0.02	0.92	39.49	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1141	12.20	47.58	337.9	400	1	4529	140945	4193	88326	703	0.07	5.68
4/19/2025 16:15	0.02	0.92	39.52	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1142	12.19	47.58	337.9	400	1	4529	141005	4193	88326	704	0.07	5.69
4/19/2025 16:30	0.02	0.92	39.54	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1142	12.19	47.58	337.9	400	1	4529	141044	4193	88326	705	0.07	5.69
4/19/2025 16:45	0.02	0.92	39.55	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1142	12.19	47.58	337.9	400	1	4529	141051	4193	88326	705	0.07	5.70
4/19/2025 17:00	0.02	0.92	39.57	1.70	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1143	12.18	47.58	337.9	400	1	4529	141095	4193	88326	705	0.07	5.70
4/19/2025 17:15	0.02	0.92	39.59	1.70	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1144	12.18	47.58	337.9	400	1	4529	141143	4193	88326	706	0.07	5.71
4/19/2025 17:30	0.02	0.92	39.59	1.70	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1144	12.18	47.58	337.9	400	1	4529	141137	4193	88326	706	0.07	5.71
4/19/2025 17:45	0.02	0.92	39.55	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1143	12.19	47.58	337.9	400	1	4529	141061	4193	88326	705	0.07	5.70
4/19/2025 18:00	0.02	0.92	39.53	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1142	12.19	47.58	337.9	400	1	4529	141027	4193	88326	704	0.07	5.69
4/19/2025 18:15	0.02	0.92	39.53	1.69	1.35	0.00	1.33	0.92	0.00	0.79	0.31	0.61	0.04	1142	12.19	47.58	337.9	400	1	4529	141028	4193	88326	704	0.07	5.69
4/19/2025 18:30	0.02	0.93	39.62	1.70	1.35	0.00	1.33	0.93	0.00	0.79	0.32	0.61	0.04	1144	12.18	47.58	337.9	400	1	4529	141188	4193	88326	706	0.07	5.71
4/19/2025 18:45	0.02	0.93	39.66	1.70	1.35	0.00	1.33	0.93	0.00	0.79	0.32	0.61	0.04	1146	12.17	47.58	337.9	400	1	4529	141273	4193	88326	707	0.07	5.72

	36Inch Flare								24Inch Flare								Pit Flare							
	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/19/2025 15:30																								5.67
4/19/2025 15:45																								5.68
4/19/2025 16:00																								5.68
4/19/2025 16:15																								5.69
4/19/2025 16:30																								5.69
4/19/2025 16:45																								5.70
4/19/2025 17:00																								5.70
4/19/2025 17:15																								5.71
4/19/2025 17:30																								5.71
4/19/2025 17:45																								5.70
4/19/2025 18:00																								5.69
4/19/2025 18:15																								5.69
4/19/2025 18:30																								5.71
4/19/2025 18:45																								5.72

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter	Flare Flow Meter	Flare Flow Meter	36inch Pilots	36inch Pilots	36inch Pilots	36inch Steam OP	24inch Pilots	24inch Pilots	24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
4/21/2025 12:15	-0.03	1.21	100.0	21.33	2.16	35.21	747	758	726	-5.00	1082	1081	-5	41.8
4/21/2025 12:30	-0.03	1.21	100.0	22.78	1.90	35.09	770	748	730	-5.00	1071	1071	-5	41.9
4/21/2025 12:45	-0.03	1.21	100.0	21.28	2.23	34.49	760	741	718	-5.00	1094	1061	-5	44.0
4/21/2025 13:00	-0.03	1.21	100.0	32.18	2.19	35.01	750	751	705	-5.00	1102	1058	-5	44.2
4/21/2025 13:15	-0.03	1.22	100.0	34.13	2.47	35.26	752	752	712	-5.00	1092	1066	-5	42.9
4/21/2025 13:30	-0.03	1.22	100.0	38.94	2.24	34.38	751	757	727	-5.00	1072	1087	-5	42.6
4/21/2025 13:45	-0.03	1.22	100.0	14.71	1.89	34.98	735	756	738	-5.00	1072	1095	-5	41.0
4/21/2025 14:00	-0.03	1.21	100.0	28.11	2.59	34.78	741	756	745	-5.00	1072	1090	-5	41.1
4/21/2025 14:15	-0.03	1.22	100.0	27.82	2.61	32.59	770	750	740	-5.00	1084	1063	-5	41.7
4/21/2025 14:30	-0.03	1.21	100.0	27.15	1.93	34.73	781	741	733	-5.00	1083	1047	-5	42.4
4/21/2025 14:45	-0.04	1.21	100.0	26.67	2.20	34.93	785	733	711	-5.00	1059	1055	-5	42.9
4/21/2025 15:00	-0.03	1.21	100.0	26.61	2.67	35.24	758	748	714	-5.00	1089	1064	-5	42.1
4/21/2025 15:15	-0.03	1.21	100.0	25.07	2.37	35.54	752	754	716	-5.00	1084	1068	-5	42.6
4/21/2025 15:30	-0.03	1.21	100.0	25.77	2.44	35.66	730	755	693	-5.00	1097	1076	-5	42.9
4/21/2025 15:45	-0.03	1.22	100.0	20.40	2.47	35.11	717	770	657	-5.00	1098	1093	-5	43.1
4/21/2025 16:00	-0.03	1.22	100.0	29.53	2.48	35.56	697	772	668	-5.00	1088	1084	-5	41.8
4/21/2025 16:15	-0.04	1.22	100.0	22.64	2.25	35.53	704	771	669	-5.00	1081	1075	-5	42.1
4/21/2025 16:30	-0.04	1.22	100.0	19.63	1.90	35.60	727	762	737	-5.00	1084	1088	-5	42.6
4/21/2025 16:45	-0.04	1.22	100.0	30.10	2.53	35.30	748	758	745	-5.00	1076	1068	-5	42.8
4/21/2025 17:00	-0.04	1.22	100.0	28.34	2.60	35.36	734	762	748	-5.00	1059	1093	-5	43.3
4/21/2025 17:15	-0.04	1.22	100.0	27.24	2.62	35.28	703	768	699	-5.00	1060	1092	-5	43.5
4/21/2025 17:30	-0.04	1.22	100.0	29.53	2.34	34.71	701	783	655	-5.00	1065	1094	-5	43.1
4/21/2025 17:45	-0.04	1.22	100.0	21.23	2.34	35.14	688	789	659	-5.00	1053	1092	-5	43.2
4/21/2025 18:00	-0.04	1.22	100.0	21.05	2.11	35.75	665	783	682	-5.00	1048	1101	-5	43.4
4/21/2025 18:15	-0.04	1.22	100.0	26.78	2.20	35.73	660	778	709	-5.00	1044	1117	-5	43.4
4/21/2025 18:30	-0.04	1.22	100.0	26.28	2.35	35.44	667	778	730	-5.00	1045	1136	-5	43.3
4/21/2025 18:45	-0.04	1.23	100.0	41.02	2.91	35.59	682	765	762	-5.00	1046	1138	-5	43.5
4/21/2025 19:00	-0.04	1.23	100.0	29.02	2.42	36.32	688	759	774	-5.00	1044	1130	-5	42.9
4/21/2025 19:15	-0.04	1.23	100.0	30.32	2.60	35.98	691	768	775	-5.00	1058	1147	-5	42.5
4/21/2025 19:30	-0.04	1.23	100.0	34.55	2.85	35.44	695	756	779	-5.00	1058	1156	-5	42.5
4/21/2025 19:45	-0.04	1.23	100.0	34.63	3.14	35.78	693	780	794	-5.00	1060	1152	-5	42.6
4/21/2025 20:00	-0.04	1.23	100.0	34.00	3.32	36.32	703	785	799	-5.00	1066	1155	-5	43.0
4/21/2025 20:15	-0.04	1.23	100.0	27.13	2.70	35.78	681	786	767	-5.00	1040	1150	-5	42.8
4/21/2025 20:30	-0.04	1.23	100.0	35.09	3.07	36.54	715	761	774	-5.00	1045	1154	-5	42.5
4/21/2025 20:45	-0.04	1.23	100.0	35.53	3.43	36.52	737	774	769	-5.00	1076	1162	-5	42.2
4/21/2025 21:00	-0.04	1.23	100.0	30.54	2.77	36.29	734	783	752	-5.00	1114	1155	-5	42.7
4/21/2025 21:15	-0.04	1.23	100.0	34.47	3.24	36.51	740	750	725	-5.00	1105	1090	-5	44.1
4/21/2025 21:30	-0.04	1.23	100.0	33.32	2.98	36.00	745	728	724	-5.00	1085	1107	-5	44.9
4/21/2025 21:45	-0.04	1.24	100.0	34.22	3.32	36.77	759	695	734	-5.00	1077	1094	-5	45.9
4/21/2025 22:00	-0.04	1.23	100.0	30.89	2.50	36.80	741	684	728	-5.00	1074	1071	-5	47.0
4/21/2025 22:15	-0.04	1.24	100.0	31.14	2.62	36.79	728	716	720	-5.00	1062	1035	-5	49.9
4/21/2025 22:30	-0.04	1.24	100.0	30.51	2.60	36.79	706	741	725	-5.00	1027	1002	-5	54.0
4/21/2025 22:45	-0.04	1.24	100.0	27.31	2.81	36.93	713	736	722	-5.00	1017	986	-5	55.5
4/21/2025 23:00	-0.04	1.25	100.0	23.79	2.91	36.61	704	742	725	-5.00	1028	987	-5	55.0
4/21/2025 23:15	-0.04	1.25	100.0	25.44	3.00	36.55	728	711	728	-5.00	1047	993	-5	54.3
4/21/2025 23:30	-0.04	1.25	100.0	30.03	2.99	36.80	734	712	729	-5.00	1054	1001	-5	53.8
4/21/2025 23:45	-0.04	1.25	100.0	34.82	3.27	37.13	724	722	729	-5.00	1071	1001	-5	53.6
4/22/2025 0:00	-0.04	1.25	100.0	37.34	3.41	36.84	731	711	730	-5.00	1068	996	-5	53.3
4/22/2025 0:15	-0.04	1.25	100.0	30.71	2.84	36.93	740	701	734	-5.00	1087	1012	-5	53.1
4/22/2025 0:30	-0.04	1.25	100.0	30.86	2.85	36.91	748	706	737	-5.00	1088	1017	-5	53.0
4/22/2025 0:45	-0.04	1.26	100.0	34.23	3.05	36.41	738	706	734	-5.00	1096	1019	-5	52.8
4/22/2025 1:00	-0.04	1.26	100.0	20.86	3.20	37.11	742	707	735	-5.00	1087	1008	-5	53.3
4/22/2025 1:15	-0.04	1.26	100.0	29.61	2.94	36.86	750	712	736	-5.00	1074	1040	-5	53.9
4/22/2025 1:30	-0.04	1.26	100.0	28.22	2.66	36.73	752	713	736	-5.00	1063	1044	-5	53.8
4/22/2025 1:45	-0.04	1.26	100.0	35.04	2.88	36.82	744	730	733	-5.00	1050	1028	-5	53.8
4/22/2025 2:00	-0.04	1.27	100.0	37.67	3.17	36.68	740	726	733	-5.00	1069	1027	-5	54.1
4/22/2025 2:15	-0.04	1.27	100.0	33.62	2.77	37.06	732	738	726	-5.00	1087	1005	-5	54.0
4/22/2025 2:30	-0.04	1.27	100.0	27.44	2.71	36.94	734	742	729	-5.00	1090	1007	-5	53.7
4/22/2025 2:45	-0.04	1.27	100.0	31.15	3.11	36.79	724	763	723	-5.00	1075	993	-5	53.3
4/22/2025 3:00	-0.04	1.27	100.0	29.86	3.37	37.41	714	756	727	-5.00	1068	994	-5	52.5
4/22/2025 3:15	-0.04	1.27	100.0	39.38	3.21	37.23	717	749	726	-5.00	1070	1001	-5	52.0
4/22/2025 3:30	-0.04	1.27	100.0	35.35	2.74	37.00	727	753	726	-5.00	1072	994	-5	51.8
4/22/2025 3:45	-0.04	1.27	100.0	28.62	2.88	37.09	731	747	727	-5.00	1078	998	-5	51.5
4/22/2025 4:00	-0.04	1.28	100.0	31.69	3.48	37.40	726	751	728	-5.00	1066	1005	-5	51.0
4/22/2025 4:15	-0.04	1.27	100.0	30.39	2.92	36.69	736	748	729	-5.00	1069	995	-5	50.8
4/22/2025 4:30	-0.04	1.27	100.0	27.68	2.51	36.10	733	728	731	-5.00	1086	1003	-5	50.4
4/22/2025 4:45	-0.04	1.27	100.0	33.57	2.88	37.18	731	722	734	-5.00	1066	995	-5	50.1
4/22/2025 5:00	-0.04	1.27	100.0	27.91	2.98	37.17	748	722	737	-5.00	1087	1015	-5	50.4
4/22/2025 5:15	-0.04	1.27	100.0	31.09	2.47	36.60	748	731	735	-5.00	1051	1017	-5	50.2
4/22/2025 5:30	-0.04	1.27	100.0	31.14	2.76	37.32	755	718	737	-5.00	1059	1042	-5	50.4
4/22/2025 5:45	-0.04	1.27	100.0	23.41	2.79	37.21	744	734	735	-5.00	1085	1015	-5	50.1
4/22/2025 6:00	-0.04	1.27	100.0	38.44	2.84	37.06	747	733	733	-5.00	1074	1014	-5	50.1
4/22/2025 6:15	-0.04	1.27	100.0	36.36	3.04	37.37	752	735	735	-5.00	1027	1029	-5	49.9
4/22/2025 6:30	-0.04	1.27	100.0	29.52	2.96	36.66	745	742	733	-5.00	1044	1015	-5	50.0
4/22/2025 6:45	-0.04	1.27	100.0	30.55	3.32	37.15	749	733	733	-5.00	1044	1019	-5	50.2
4/22/2025 7:00	-0.04	1.27	100.0	30.80	3.01	36.42	748	727	736	-5.00	1048	1028	-5	50.3
4/22/2025 7:15	-0.04	1.27	100.0	26.96	2.94	37.12	739	728	732	-5.00	1093	1014	-5	50.7
4/22/2025 7:30	-0.04	1.27	100.0	30.28	2.81	37.03	751	719	737	-5.00	1083	1030	-5	51.0
4/22/2025 7:45	-0.04	1.27	100.0	27.70	2.94	36.66	729	729	731	-5.00	1082	1005	-5	50.7
4/22/2025 8:00	-0.04	1.27	100.0	32.70	2.90	36.53	725	731	730	-5.00	1085	999	-5	50.7
4/22/2025 8:15	-0.04	1.28	100.0	27.50	2.90	36.40	714	742	729	-5.00	1046	1001	-5	50.7
4/22/2025 8:30	-0.04	1.27	100.0	28.54	3.23	35.89	711	740	730	-5.00	1044	991	-5	51.0
4/22/2025 8:45	-0.04	1.27	100.0	37.80	2.85	35.20	709	742	726	-5.00	1053	995	-5	52.0
4/22/2025 9:00	-0.04	1.27	100.0	33.10	2.83	35.25	717	756	724	-5.00	1076	990	-5	52.5
4/22/2025 9:15	-0.04	1.27	100.0	28.41	2.25	35.41	708	744	722	-5.00	1043	997	-5	52.7
4/22/2025 9:30	-0.04	1.28	100.0	19.87	2.35	35.28	721	755	724	-5.00	1082	986	-5	53.8
4/22/2025 9:45	-0.04	1.27	100.0	21.49	2.61	36.13	726	742	725	-5.00	1073	995	-5	54.9
4/22/2025 10:00	-0.04	1.28	100.0	19.24	1.93	36.65	733	745	725	-5.00	1080	990	-5	55.5
4/22/2025 10:15	-0.04	1.28	100.0	23.73	2.30	37.03	722	744	729	-5.00	1073	991	-5	54.2
4/22/2025 10:30	-0.03	1.27	100.0	33.68	2.56	36.90	724	749	727	-5.00	1050	981	-5	55.5
4/22/2025 10:45	-0.03	1.27	100.0	23.38	2.42	36.49	718	742	725	-5.00	1053	987	-5	54.9
4/22/2025 11:00	-0.03	1.26	100.0	22.92	1.89	34.67	727	741	725	-5.00	1031	1003	-5	57.5
4/22/2025 11:15	-0.03	1.26	100.0	17.92	1.62	34.34	724	742	731	-5.00	1052	1015	-5	57.9
4/22/2025 11:30	-0.03	1.26	100.0	17.92	1.62	34.34	734	746	730	-5.00	1060	1020	-5	57.9
4/22/2025 11:45	-0.03	1.26	100.0	17.92	1.62	34.34	731	750	729	-5.00	1080	1020	-5	57.9
4/22/2025 12:00	-0.03	1.26	100.0	25.01	2.47	35.99	740	748	730	-5.00	1076	1027	-5	58.0
4/22/2025 12:15	-0.03	1.26	100.0	26.06	2.72	36.33	731	755	734	-5.00	1067	1024	-5	57.9
4/22/2025 12:30	-0.03	1.26	100.0	31.50	2.89	37.72	727	754	733	-5.00	1045	1017	-5	58.4
4/22/2025 12:45	-0.03	1.25	100.0	28.43	2.56	36.50	733	746	730	-5.00	1025	1016	-5	58.6
4/22/2025 13:00	-0.03	1.25	100.0	32.09	2.75	36.91	743	754	732	-5.00	1043	1012	-5	59.7
4/22/2025 13:15	-0.03	1.25	100.0	37.16	3.22	36.48	737	752	729	-5.00	1035	1009	-5	60.8
4/22/2025 13:30	-0.03	1.25	100.0	23.37	2.64	36.78	735	745	734	-5.00	1051	1024	-5	59.9
4/22/2025 13:45	-0.03	1.25	100.0	30.09	2.54	36.66	738	747	732	-5.00	1049	1013	-5	59.6
4/22/2025 14:00	-0.03	1.24	100.0	30.50	2.59	36.49	733	748	732	-5.00	1046	1019	-5	58.9
4/22/2025 14:15	-0.03	1.24	100.0	34.42	2.60	36.83	732	749	733	-5.00	1039	1021	-5	59.2
4/22/2025 14:30	-0.03	1.24	100.0	32.42	2.63	37.47	731	747	738	-5.00	1052	1024	-5	59.1
4/22/2025 14:45	-0.03	1.24	100.0	33.73	2.99	37.22	744	750	738	-5.00	1056	1021	-5	59.9
4/22/2025 15:00	-0.03	1.23	100.0	30.01	2.50	36.60	737	754	734	-5.00	1044	1020	-5	60.2
4/22/2025 15:15	-0.03	1.23	100.0	26.91	2.46	36.82	743	749	742	-5.00	1046	1018	-5	60.3
4/22/2025 15:30	-0.03	1.22	100.0	29.22	2.77	36.73	753	738	743	-5.00	1060	1021	-5	60.7
4/22/2025 15:45	-0.03	1.22	100.0	27.91	2.54	36.09	754	736	745	-5.00	1057	1024	-5	61.5
4/22/2025 16:00	-0.03	1.22	100.0	23.57	2.33	34.71	756	742	745	-5.00	1043	1020	-5	61.1
4/22/2025 16:15	-0.03	1.21	100.0	22.20	2.92	36.01	749	751	745	-5.00	1052	1025	-5	60.9
4/22/2025 16:30	-0.03	1.21	100.0	27.75	2.77	36.60	751	751	749	-5.00	1046	1019	-5	61.0
4/22/2025 16:45	-0.03	1.21	100.0	23.73	2.74	36.53	759	743	753	-5.00	1070	1024	-5	60.6
4/22/2025 17:00	-0.03	1.21	100.0	22.94	2.41	36.57	758	752	748	-5.00	1009	1021	-5	60.7
4/22/2025 17:15	-0.03	1.21	100.0	22.19	1.97	35.61	750	750	741	-5.00	1008	998	-5	61.4
4/22/2025 17:30	-0.03	1.20	100.0	29.05	2.60	36.71	759	742	750	-5.00	1039	1020	-5	61.0
4/22/2025 17:45	-0.03	1.20	100.0	24.58	2.43	36.15	760	737	748	-5.00	1053	1011	-5	62.6
4/22/2025 18:00	-0.03	1.20	100.0	34.46	2.66	36.69	765	738	752	-5.00	1055	1020	-5	64.2
4/22/2025 18:15	-0.03	1.20	100.0	26.53	2.61	36.77	767	737	751	-5.00	1048	1024	-5	64.4
4/22/2025 18:30	-0.03	1.20	100.0	38.65	2.46	36.56	764	738	749	-5.00	1057	1017	-5	61.7
4/22/2025 18:45	-0.03	1.19	100.0	33.38	2.65	36.42	762	737	751	-5.00	1050	1024	-5	63.8
4/22/2025 19:00	-0.03	1.20	100.0	32.20	2.61	36.91	768	730	752	-5.00	1058	1021	-5	63.5
4/22/2025 19:15	-0.03	1.19	100.0	20.87	2.66	36.89	774	729	758	-5.00	1046	1022	-5	62.6
4/22/2025 19:30	-0.03	1.19	100.0	28.35	2.47	36.74	774	724	752	-5.00	1075	1024	-5	61.3
4/22/2025 19:45	-0.03	1.19	100.0	29.83	2.70	36.04	779	720	760	-5.00	1086	1035	-5	59.7
4/22/2025 20:00	-0.03	1.19	100.0	31.94	2.65	36.11	781	713	758	-5.00	1087	1030	-5	58.1
4/22/2025 20:15	-0.03	1.19	100.0	14.95	2.31	36.51	789	710	760	-5.00	1088	1026	-5	57.4
4/22/2025 20:30	-0.03	1.19	100.0	29.28	2.83	36.63	796	707	766	-5.00	1093	1045	-5	56.9
4/22/2025 20:45	-0.03	1.19	100.0	25.62	2.83	36.15	799	709	769	-5.00	1099	1049	-5	56.6
4/22/2025 21:00	-0.03	1.19	100.0	35.92	2.52	36.64	797	711	771	-5.00	1093	1053	-5	56.3
4/22/2025 21:15	-0.03	1.20	100.0	26.92	2.90	36.48	807	711	776	-5.00	1098	1073	-5	56.0
4/22/2025 21:30	-0.03	1.20	100.0	22.57	3.11	35.56	814	707	775	-5.00	1090	1083	-5	55.5
4/22/2025 21:45	-0.03	1.20	100.0	34.70	3.11	36.70	817	698	780	-5.00	1085	1090	-5	55.0
4/22/2025 22:00	-0.03	1.20	100.0	24.57	2.52	35.48	819	706	779	-5.00	1093	1093	-5	54.9
4/22/2025 22:15	-0.03	1.20	100.0	30.37	2.44	35.42	800	730	775	-5.00	1083	1132	-5	53.8
4/22/2025 22:30	-0.03	1.20	100.0	24.34	2.70	35.10	813	711	772	-5.00	1088	1130	-5	53.9
4/22/2025 22:45	-0.03	1.20	100.0	31.61	2.59	35.74	816	723	779	-5.00	1090	1142	-5	54.0
4/22/2025 23:00	-0.03	1.20	100.0	18.87	2.03	35.84	811	726	786	-5.00	1095	1142	-5	53.8
4/22/2025 23:15	-0.03	1.20	100.0	25.97	2.56	35.78	810	710	775	-5.00	1091	1087	-5	53.1
4/22/2025 23:30	-0.03	1.20	100.0	21.96	2.12	35.75	787	734	773	-5.00	1090	1108	-5	51.1
4/22/2025 23:45	-0.04	1.20	100.0	31.66	2.92	35.68	758	785	763	-5.00	1073	1105	-5	51.1
4/23/2025 0:00	-0.04	1.20	100.0	27.21	2.81	34.46	756	796	748	-5.00	1102	1091	-5	50.1
4/23/2025 0:15	-0.04	1.21	100.0	33.80	3.20	36.34	748	792	753	-5.00	1084	1099	-5	49.3
4/23/2025 0:30	-0.04	1.21	100.0	32.10	3.02	35.90	735	789	771	-5.00	1059	1113	-5	48.9
4/23/2025 0:45	-0.04	1.21	100.0	28.01	2.42	35.19	734	785	786	-5.00	1069	1119	-5	48.5
4/23/2025 1:00	-0.04	1.21	100.0	16.59	2.44	35.95	733	786	788	-5.00	1071	1117	-5	48.0
4/23/2025 1:15	-0.04	1.21	100.0	34.17	2.84	35.43	715	788	805	-5.00	1054	1129	-5	47.8
4/23/2025 1:30	-0.04	1.22	100.0	27.30	2.67	35.92	717	779	791	-5.00	1044	1145	-5	47.0
4/23/2025 1:45	-0.04	1.22	100.0	35.51	3.21	35.72	700	779	788	-5.00	1031	1139	-5	46.5
4/23/2025 2:00	-0.04	1.22	100.0	19.88	2.73	35.32	709	764	815	-5.00	1037	1156	-5	45.8
4/23/2025 2:15	-0.04	1.21	100.0	25.04	2.43	35.44	715	781	815	-5.00	1054	1160	-5	44.9
4/23/2025 2:30	-0.04	1.21	100.0	27.39	2.33	35.78	707	783	808	-5.00	1048	1156	-5	44.4
4/23/2025 2:45	-0.04	1.22	100.0	20.98	1.94	34.93	719	795	812	-5.00	1068	1155	-5	44.1
4/23/2025 3:00	-0.04	1.22	100.0	20.44	1.99	34.47	751	769	765	-5.00	1057	1172	-5	44.3
4/23/2025 3:15	-0.04	1.22	100.0	18.21	2.13	34.52	758	765	742	-5.00	1023	1170	-5	44.2
4/23/2025 3:30	-0.04	1.21	100.0	21.49	2.21	35.31	748	766	781	-5.00	1050	1158	-5	44.2
4/23/2025 3:45	-0.04	1.21	100.0	53.80	2.19	35.17	714	785	790	-5.00	1061	1161	-5	44.3
4/23/2025 4:00	-0.04	1.21	100.0	23.13	2.12	34.44	743	766	764	-5.00	1046	1162	-5	44.4
4/23/2025 4:15	-0.04	1.21	100.0	21.68	2.03	34.26	762	777	726	-5.00	1041	1157	-5	43.6
4/23/2025 4:30	-0.04	1.21	100.0	26.43	2.09	34.24	768	789	770	-5.00	1087	1175	-5	43.4
4/23/2025 4:45	-0.04	1.21	100.0	30.00	2.55	34.39	750	779	783	-5.00	1069	1194	-5	43.5
4/23/2025 5:00	-0.04	1.21	100.0	23.96	2.78	34.47	759	771	730	-5.00	1038	1181	-5	43.5
4/23/2025 5:15	-0.04	1.20	100.0	26.23	2.38	34.79	749	763	757	-5.00	1048	1179	-5	43.4
4/23/2025 5:30	-0.04	1.20	100.0	29.39	2.45	34.05	750	769	795	-5.00	1072	1179	-5	43.3
4/23/2025 5:45	-0.04	1.20	100.0	39.55	2.24	33.91	718	789	808	-5.00	1069	1185	-5	43.3
4/23/2025 6:00	-0.04	1.20	100.0	28.75	2.34	33.96	709	780	797	-5.00	1048	1173	-5	43.4
4/23/2025 6:15	-0.04	1.20	100.0	23.18	2.85	34.24	705	797	802	-5.00	1053	1169	-5	42.9
4/23/2025 6:30	-0.04	1.20	100.0	22.16	2.01	34.65	692	791	787	-5.00	1031	1176	-5	43.0
4/23/2025 6:45	-0.04	1.20	100.0	21.32	2.42	34.37	693	794	765	-5.00	1030	1169	-5	43.8
4/23/2025 7:00	-0.04	1.20	100.0	18.44	1.82	34.07	689	794	786	-5.00	1040	1161	-5	45.4
4/23/2025 7:15	-0.04	1.20	100.0	23.01	1.85	34.67	684	793	755	-5.00	1040	1166	-5	46.1
4/23/2025 7:30	-0.04	1.20	100.0	32.99	1.86	34.47	681	793	715	-5.00	1037	1137	-5	47.4
4/23/2025 7:45	-0.04	1.20	100.0	25.97	2.20	34.47	677	795	708	-5.00	1037	1126	-5	47.2
4/23/2025 8:00	-0.04	1.21	100.0	42.95	3.16	33.80	681	795	710	-5.00	1037	1120	-5	49.2
4/23/2025 8:15	-0.04	1.21	100.0	29.41	2.70	33.84	680	798	700	-5.00	1039	1116	-5	50.7
4/23/2025 8:30	-0.04	1.21	100.0	27.11	2.38	34.29	666	803	703	-5.00	1035	1123	-5	50.5
4/23/2025 8:45	-0.04	1.21	100.0	24.93	2.27	34.39	669	799	697	-5.00	1033	1120	-5	49.2

Calculated Data — Flare Gas Composition

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/21/2025 12:15	0.130	0.89	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.35	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 12:30	0.131	0.89	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 12:45	0.142	0.97	0.40	0.00	51.97	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 13:00	0.143	0.97	0.40	0.00	51.97	0.00	1.19	0.02	0.93	38.31	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 13:15	0.136	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 13:30	0.134	0.92	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 13:45	0.126	0.86	0.40	0.00	52.03	0.00	1.20	0.02	0.93	38.36	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 14:00	0.127	0.87	0.40	0.00	52.02	0.00	1.19	0.02	0.93	38.35	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 14:15	0.129	0.88	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.35	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 14:30	0.133	0.91	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 14:45	0.136	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 15:00	0.132	0.90	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 15:15	0.134	0.92	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 15:30	0.136	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 15:45	0.137	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 16:00	0.130	0.89	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 16:15	0.131	0.90	0.40	0.00	52.01	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 16:30	0.134	0.92	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 16:45	0.135	0.92	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 17:00	0.138	0.94	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 17:15	0.139	0.95	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 17:30	0.137	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 17:45	0.137	0.94	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 18:00	0.138	0.94	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 18:15	0.138	0.94	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 18:30	0.138	0.94	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 18:45	0.139	0.95	0.40	0.00	51.98	0.00	1.19	0.02	0.93	38.32	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 19:00	0.136	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 19:15	0.134	0.91	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 19:30	0.134	0.91	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 19:45	0.134	0.92	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 20:00	0.136	0.93	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 20:15	0.135	0.92	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 20:30	0.134	0.91	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 20:45	0.132	0.90	0.40	0.00	52.00	0.00	1.19	0.02	0.93	38.34	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 21:00	0.135	0.92	0.40	0.00	51.99	0.00	1.19	0.02	0.93	38.33	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 21:15	0.142	0.97	0.40	0.00	51.97	0.00	1.19	0.02	0.93	38.31	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 21:30	0.147	1.00	0.40	0.00	51.95	0.00	1.19	0.02	0.93	38.30	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 21:45	0.152	1.04	0.40	0.00	51.93	0.00	1.19	0.02	0.93	38.29	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 22:00	0.159	1.08	0.40	0.00	51.91	0.00	1.19	0.02	0.93	38.27	1.82	1.16	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 22:15	0.177	1.21	0.40	0.00	51.85	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/21/2025 22:30	0.207	1.41	0.40	0.00	51.74	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/21/2025 22:45	0.218	1.49	0.40	0.00	51.70	0.00	1.19	0.02	0.93	38.12	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/21/2025 23:00	0.214	1.46	0.40	0.00	51.72	0.00	1.19	0.02	0.93	38.13	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/21/2025 23:15	0.209	1.42	0.40	0.00	51.74	0.00	1.19	0.02	0.93	38.14	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/21/2025 23:30	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/21/2025 23:45	0.203	1.39	0.40	0.00	51.76	0.00	1.19	0.02	0.93	38.16	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 0:00	0.201	1.37	0.40	0.00	51.76	0.00	1.19	0.02	0.93	38.16	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 0:15	0.199	1.36	0.40	0.00	51.77	0.00	1.19	0.02	0.93	38.17	1.82	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 0:30	0.199	1.36	0.40	0.00	51.77	0.00	1.19	0.02	0.93	38.17	1.82	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 0:45	0.197	1.35	0.40	0.00	51.77	0.00	1.19	0.02	0.93	38.17	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 1:00	0.201	1.37	0.40	0.00	51.76	0.00	1.19	0.02	0.93	38.16	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 1:15	0.206	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 1:30	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 1:45	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 2:00	0.206	1.41	0.40	0.00	51.74	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 2:15	0.206	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 2:30	0.204	1.39	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 2:45	0.201	1.37	0.40	0.00	51.76	0.00	1.19	0.02	0.93	38.16	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 3:00	0.195	1.33	0.40	0.00	51.78	0.00	1.19	0.02	0.93	38.18	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 3:15	0.191	1.31	0.40	0.00	51.80	0.00	1.19	0.02	0.93	38.19	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 3:30	0.190	1.30	0.40	0.00	51.80	0.00	1.19	0.02	0.93	38.19	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 3:45	0.188	1.28	0.40	0.00	51.81	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 4:00	0.185	1.26	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 4:15	0.183	1.25	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 4:30	0.180	1.23	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 4:45	0.178	1.22	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 5:00	0.180	1.23	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 5:15	0.179	1.22	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 5:30	0.180	1.23	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 5:45	0.179	1.22	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 6:00	0.179	1.22	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 6:15	0.177	1.21	0.40	0.00	51.85	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 6:30	0.178	1.21	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 6:45	0.179	1.22	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 7:00	0.180	1.23	0.40	0.00	51.84	0.00	1.19	0.02	0.93	38.22	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 7:15	0.183	1.25	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 7:30	0.185	1.26	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 7:45	0.183	1.25	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 8:00	0.182	1.25	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 8:15	0.182	1.24	0.40	0.00	51.83	0.00	1.19	0.02	0.93	38.21	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 8:30	0.185	1.26	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 8:45	0.191	1.31	0.40	0.00	51.80	0.00	1.19	0.02	0.93	38.19	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 9:00	0.195	1.33	0.40	0.00	51.78	0.00	1.19	0.02	0.93	38.18	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 9:15	0.197	1.34	0.40	0.00	51.78	0.00	1.19	0.02	0.93	38.17	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.25	0.56
4/22/2025 9:30	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 9:45	0.213	1.46	0.40	0.00	51.72	0.00	1.19	0.02	0.93	38.13	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 10:00	0.218	1.49	0.40	0.00	51.70	0.00	1.19	0.02	0.93	38.12	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 10:15	0.208	1.42	0.40	0.00	51.74	0.00	1.19	0.02	0.93	38.14	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 10:30	0.218	1.49	0.40	0.00	51.70	0.00	1.19	0.02	0.93	38.12	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 10:45	0.213	1.45	0.40	0.00	51.72	0.00	1.19	0.02	0.93	38.13	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 11:00	0.234	1.59	0.40	0.00	51.65	0.00	1.19	0.02	0.93	38.08	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 11:15	0.238	1.62	0.40	0.00	51.64	0.00	1.19	0.02	0.93	38.07	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 11:30	0.238	1.62	0.40	0.00	51.64	0.00	1.19	0.02	0.93	38.07	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 11:45	0.238	1.62	0.40	0.00	51.64	0.00	1.19	0.02	0.93	38.07	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 12:00	0.238	1.63	0.40	0.00	51.63	0.00	1.19	0.02	0.93	38.07	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 12:15	0.238	1.62	0.40	0.00	51.64	0.00	1.19	0.02	0.93	38.07	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 12:30	0.242	1.65	0.40	0.00	51.62	0.00	1.19	0.02	0.93	38.06	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 12:45	0.244	1.66	0.40	0.00	51.62	0.00	1.19	0.02	0.93	38.05	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 13:00	0.253	1.73	0.40	0.00	51.58	0.00	1.19	0.02	0.92	38.03	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 13:15	0.264	1.80	0.39	0.00	51.55	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 13:30	0.255	1.74	0.40	0.00	51.58	0.00	1.18	0.02	0.92	38.02	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 13:45	0.253	1.72	0.40	0.00	51.58	0.00	1.18	0.02	0.92	38.03	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 14:00	0.246	1.68	0.40	0.00	51.61	0.00	1.19	0.02	0.92	38.05	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 14:15	0.249	1.70	0.40	0.00	51.60	0.00	1.19	0.02	0.92	38.04	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 14:30	0.248	1.69	0.40	0.00	51.60	0.00	1.19	0.02	0.92	38.04	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 14:45	0.255	1.74	0.40	0.00	51.58	0.00	1.18	0.02	0.92	38.02	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 15:00	0.258	1.76	0.40	0.00	51.57	0.00	1.18	0.02	0.92	38.02	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 15:15	0.258	1.76	0.40	0.00	51.56	0.00	1.18	0.02	0.92	38.02	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 15:30	0.263	1.79	0.39	0.00	51.55	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 15:45	0.271	1.85	0.39	0.00	51.52	0.00	1.18	0.02	0.92	37.98	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 16:00	0.266	1.82	0.39	0.00	51.54	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 16:15	0.264	1.80	0.39	0.00	51.54	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 16:30	0.266	1.81	0.39	0.00	51.54	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 16:45	0.261	1.78	0.39	0.00	51.55	0.00	1.18	0.02	0.92	38.01	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 17:00	0.262	1.79	0.39	0.00	51.55	0.00	1.18	0.02	0.92	38.01	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 17:15	0.269	1.84	0.39	0.00	51.53	0.00	1.18	0.02	0.92	37.99	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 17:30	0.265	1.81	0.39	0.00	51.54	0.00	1.18	0.02	0.92	38.00	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 17:45	0.280	1.91	0.39	0.00	51.49	0.00	1.18	0.02	0.92	37.96	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 18:00	0.297	2.02	0.39	0.00	51.43	0.00	1.18	0.02	0.92	37.92	1.80	1.14	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 18:15	0.299	2.04	0.39	0.00	51.42	0.00	1.18	0.02	0.92	37.91	1.80	1.14	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 18:30	0.272	1.85	0.39	0.00	51.52	0.00	1.18	0.02	0.92	37.98	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 18:45	0.293	2.00	0.39	0.00	51.44	0.00	1.18	0.02	0.92	37.93	1.80	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 19:00	0.290	1.98	0.39	0.00	51.45	0.00	1.18	0.02	0.92	37.93	1.80	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 19:15	0.280	1.91	0.39	0.00	51.49	0.00	1.18	0.02	0.92	37.96	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 19:30	0.268	1.83	0.39	0.00	51.53	0.00	1.18	0.02	0.92	37.99	1.81	1.15	0.00	1.01	0.77	0.00	0.61	0.25	0.56
4/22/2025 19:45	0.253	1.73	0.40	0.00	51.58	0.00	1.18	0.02	0.92	38.03	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 20:00	0.239	1.63	0.40	0.00	51.63	0.00	1.19	0.02	0.93	38.06	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 20:15	0.233	1.59	0.40	0.00	51.65	0.00	1.19	0.02	0.93	38.08	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 20:30	0.229	1.56	0.40	0.00	51.67	0.00	1.19	0.02	0.93	38.09	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 20:45	0.227	1.55	0.40	0.00	51.67	0.00	1.19	0.02	0.93	38.10	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 21:00	0.224	1.53	0.40	0.00	51.68	0.00	1.19	0.02	0.93	38.10	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 21:15	0.222	1.51	0.40	0.00	51.69	0.00	1.19	0.02	0.93	38.11	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 21:30	0.218	1.48	0.40	0.00	51.71	0.00	1.19	0.02	0.93	38.12	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 21:45	0.214	1.46	0.40	0.00	51.72	0.00	1.19	0.02	0.93	38.13	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 22:00	0.213	1.45	0.40	0.00	51.72	0.00	1.19	0.02	0.93	38.13	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 22:15	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 22:30	0.206	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 22:45	0.206	1.41	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 23:00	0.205	1.40	0.40	0.00	51.75	0.00	1.19	0.02	0.93	38.15	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 23:15	0.199	1.36	0.40	0.00	51.77	0.00	1.19	0.02	0.93	38.17	1.81	1.15	0.00	1.02	0.77	0.00	0.61	0.25	0.56
4/22/2025 23:30	0.185	1.26	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/22/2025 23:45	0.185	1.26	0.40	0.00	51.82	0.00	1.19	0.02	0.93	38.20	1.82	1.15	0.00	1.02	0.78	0.00	0.61	0.26	0.56
4/23/2025 0:00	0.179	1.22	0.48	0.00	44.29	0.00	12.52	0.00	0.79	33.45	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 0:15	0.173	1.18	0.48	0.00	44.31	0.00	12.53	0.00	0.79	33.46	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 0:30	0.170	1.16	0.48	0.00	44.32	0.00	12.53	0.00	0.79	33.47	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 0:45	0.168	1.15	0.48	0.00	44.33	0.00	12.53	0.00	0.79	33.47	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 1:00	0.165	1.13	0.48	0.00	44.34	0.00	12.54	0.00	0.79	33.48	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 1:15	0.163	1.12	0.48	0.00	44.34	0.00	12.54	0.00	0.79	33.48	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 1:30	0.159	1.08	0.48	0.00	44.35	0.00	12.54	0.00	0.79	33.50	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 1:45	0.156	1.06	0.48	0.00	44.36	0.00	12.54	0.00	0.79	33.50	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 2:00	0.152	1.04	0.48	0.00	44.37	0.00	12.55	0.00	0.79	33.51	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 2:15	0.147	1.00	0.48	0.00	44.39	0.00	12.55	0.00	0.79	33.52	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 2:30	0.144	0.98	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 2:45	0.142	0.97	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 3:00	0.144	0.98	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 3:15	0.143	0.97	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 3:30	0.143	0.97	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 3:45	0.143	0.98	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 4:00	0.144	0.98	0.48	0.00	44.40	0.00	12.55	0.00	0.79	33.53	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 4:15	0.140	0.95	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 4:30	0.138	0.94	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 4:45	0.139	0.95	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 5:00	0.139	0.95	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 5:15	0.139	0.95	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 5:30	0.138	0.94	0.48	0.00	44.42	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 5:45	0.138	0.94	0.48	0.00	44.42	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 6:00	0.138	0.94	0.48	0.00	44.42	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 6:15	0.136	0.93	0.48	0.00	44.42	0.00	12.56	0.00	0.79	33.55	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 6:30	0.136	0.93	0.48	0.00	44.42	0.00	12.56	0.00	0.79	33.55	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 6:45	0.141	0.96	0.48	0.00	44.41	0.00	12.56	0.00	0.79	33.54	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 7:00	0.150	1.02	0.48	0.00	44.38	0.00	12.55	0.00	0.79	33.52	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 7:15	0.154	1.05	0.48	0.00	44.37	0.00	12.55	0.00	0.79	33.51	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 7:30	0.161	1.10	0.48	0.00	44.35	0.00	12.54	0.00	0.79	33.49	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 7:45	0.160	1.09	0.48	0.00	44.35	0.00	12.54	0.00	0.79	33.49	1.20	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 8:00	0.172	1.18	0.48	0.00	44.31	0.00	12.53	0.00	0.79	33.47	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 8:15	0.183	1.25	0.48	0.00	44.28	0.00	12.52	0.00	0.79	33.44	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 8:30	0.181	1.24	0.48	0.00	44.29	0.00	12.52	0.00	0.79	33.45	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 8:45	0.172	1.18	0.48	0.00	44.31	0.00	12.53	0.00	0.79	33.46	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Property Calculations						ZTOF								36Inch Flare								24Inch Flare								Pit Flare							
	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/21/2025 12:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149898	4193	88326	718	0.07	11.21																								11.21
4/21/2025 12:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149893	4193	88326	718	0.07	11.21																								11.21
4/21/2025 12:45	0.04	1137	11.47	47.51	337.3	400	1	4529	149828	4193	88326	717	0.07	11.19																								11.19
4/21/2025 13:00	0.04	1137	11.47	47.51	337.3	400	1	4529	149820	4193	88326	717	0.07	11.19																								11.19
4/21/2025 13:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149862	4193	88326	718	0.07	11.20																								11.20
4/21/2025 13:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149871	4193	88326	718	0.07	11.20																								11.20
4/21/2025 13:45	0.04	1138	11.47	47.51	337.3	400	1	4529	149922	4193	88326	718	0.07	11.21																								11.21
4/21/2025 14:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149917	4193	88326	718	0.07	11.21																								11.21
4/21/2025 14:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149902	4193	88326	718	0.07	11.21																								11.21
4/21/2025 14:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149880	4193	88326	718	0.07	11.20																								11.20
4/21/2025 14:45	0.04	1138	11.47	47.51	337.3	400	1	4529	149862	4193	88326	718	0.07	11.20																								11.20
4/21/2025 15:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149888	4193	88326	718	0.07	11.20																								11.20
4/21/2025 15:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149872	4193	88326	718	0.07	11.20																								11.20
4/21/2025 15:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149864	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 15:45	0.04	1137	11.47	47.51	337.3	400	1	4529	149857	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 16:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149897	4193	88326	718	0.07	11.21																								[illegible]
4/21/2025 16:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149889	4193	88326	718	0.07	11.21																								[illegible]
4/21/2025 16:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149872	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 16:45	0.04	1138	11.47	47.51	337.3	400	1	4529	149867	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 17:00	0.04	1137	11.47	47.51	337.3	400	1	4529	149849	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 17:15	0.04	1137	11.47	47.51	337.3	400	1	4529	149844	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 17:30	0.04	1137	11.47	47.51	337.3	400	1	4529	149856	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 17:45	0.04	1137	11.47	47.51	337.3	400	1	4529	149854	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 18:00	0.04	1137	11.47	47.51	337.3	400	1	4529	149848	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 18:15	0.04	1137	11.47	47.51	337.3	400	1	4529	149847	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 18:30	0.04	1137	11.47	47.51	337.3	400	1	4529	149851	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 18:45	0.04	1137	11.47	47.51	337.3	400	1	4529	149842	4193	88326	717	0.07	11.20																								[illegible]
4/21/2025 19:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149862	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 19:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149875	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 19:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149876	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 19:45	0.04	1138	11.47	47.51	337.3	400	1	4529	149872	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 20:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149860	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 20:15	0.04	1138	11.47	47.51	337.3	400	1	4529	149865	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 20:30	0.04	1138	11.47	47.51	337.3	400	1	4529	149876	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 20:45	0.04	1138	11.47	47.51	337.3	400	1	4529	149884	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 21:00	0.04	1138	11.47	47.51	337.3	400	1	4529	149870	4193	88326	718	0.07	11.20																								[illegible]
4/21/2025 21:15	0.04	1137	11.47	47.51	337.3	400	1	4529	149824	4193	88326	717	0.07	11.19																								[illegible]
4/21/2025 21:30	0.04	1137	11.48	47.51	337.3	400	1	4529	149795	4193	88326	717	0.07	11.19																								[illegible]
4/21/2025 21:45	0.04	1136	11.48	47.51	337.3	400	1	4529	149763	4193	88326	717	0.07	11.18																								[illegible]
4/21/2025 22:00	0.04	1136	11.48	47.51	337.3	400	1	4529	149722	4193	88326	716	0.07	11.17																								[illegible]
4/21/2025 22:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149612	4193	88326	715	0.07	11.15																								[illegible]
4/21/2025 22:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149429	4193	88326	714	0.07	11.11																								[illegible]
4/21/2025 22:45	0.04	1131	11.51	47.51	337.3	400	1	4529	149361	4193	88326	713	0.07	11.10																								[illegible]
4/21/2025 23:00	0.04	1132	11.51	47.51	337.3	400	1	4529	149388	4193	88326	713	0.07	11.11																								[illegible]
4/21/2025 23:15	0.04	1132	11.50	47.51	337.3	400	1	4529	149418	4193	88326	713	0.07	11.11																								[illegible]
4/21/2025 23:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149442	4193	88326	714	0.07	11.12																								[illegible]
4/21/2025 23:45	0.04	1132	11.50	47.51	337.3	400	1	4529	149452	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 0:00	0.04	1133	11.50	47.51	337.3	400	1	4529	149464	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 0:15	0.04	1133	11.50	47.51	337.3	400	1	4529	149475	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 0:30	0.04	1133	11.50	47.51	337.3	400	1	4529	149479	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 0:45	0.04	1133	11.50	47.51	337.3	400	1	4529	149486	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 1:00	0.04	1133	11.50	47.51	337.3	400	1	4529	149466	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 1:15	0.04	1132	11.50	47.51	337.3	400	1	4529	149436	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 1:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149440	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 1:45	0.04	1132	11.50	47.51	337.3	400	1	4529	149441	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 2:00	0.04	1132	11.50	47.51	337.3	400	1	4529	149431	4193	88326	714	0.07	11.11																								[illegible]
4/22/2025 2:15	0.04	1132	11.50	47.51	337.3	400	1	4529	149435	4193	88326	714	0.07	11.11																								[illegible]
4/22/2025 2:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149447	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 2:45	0.04	1133	11.50	47.51	337.3	400	1	4529	149467	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 3:00	0.04	1133	11.50	47.51	337.3	400	1	4529	149500	4193	88326	714	0.07	11.13																								[illegible]
4/22/2025 3:15	0.04	1133	11.50	47.51	337.3	400	1	4529	149523	4193	88326	714	0.07	11.13																								[illegible]
4/22/2025 3:30	0.04	1133	11.50	47.51	337.3	400	1	4529	149533	4193	88326	715	0.07	11.13																								[illegible]
4/22/2025 3:45	0.04	1134	11.50	47.51	337.3	400	1	4529	149546	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 4:00	0.04	1134	11.49	47.51	337.3	400	1	4529	149565	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 4:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149572	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 4:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149591	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 4:45	0.04	1134	11.49	47.51	337.3	400	1	4529	149603	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 5:00	0.04	1134	11.49	47.51	337.3	400	1	4529	149592	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 5:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149599	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 5:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149590	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 5:45	0.04	1134	11.49	47.51	337.3	400	1	4529	149601	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 6:00	0.04	1134	11.49	47.51	337.3	400	1	4529	149602	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 6:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149611	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 6:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149607	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 6:45	0.04	1134	11.49	47.51	337.3	400	1	4529	149598	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 7:00	0.04	1134	11.49	47.51	337.3	400	1	4529	149594	4193	88326	715	0.07	11.15																								[illegible]
4/22/2025 7:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149578	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 7:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149565	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 7:45	0.04	1134	11.49	47.51	337.3	400	1	4529	149576	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 8:00	0.04	1134	11.49	47.51	337.3	400	1	4529	149578	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 8:15	0.04	1134	11.49	47.51	337.3	400	1	4529	149580	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 8:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149566	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 8:45	0.04	1133	11.50	47.51	337.3	400	1	4529	149524	4193	88326	714	0.07	11.13																								[illegible]
4/22/2025 9:00	0.04	1133	11.50	47.51	337.3	400	1	4529	149499	4193	88326	714	0.07	11.13																								[illegible]
4/22/2025 9:15	0.04	1133	11.50	47.51	337.3	400	1	4529	149489	4193	88326	714	0.07	11.13																								[illegible]
4/22/2025 9:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149442	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 9:45	0.04	1132	11.51	47.51	337.3	400	1	4529	149389	4193	88326	713	0.07	11.11																								[illegible]
4/22/2025 10:00	0.04	1131	11.51	47.51	337.3	400	1	4529	149362	4193	88326	713	0.07	11.10																								[illegible]
4/22/2025 10:15	0.04	1132	11.50	47.51	337.3	400	1	4529	149424	4193	88326	713	0.07	11.11																								[illegible]
4/22/2025 10:30	0.04	1131	11.51	47.51	337.3	400	1	4529	149361	4193	88326	713	0.07	11.10																								[illegible]
4/22/2025 10:45	0.04	1132	11.51	47.51	337.3	400	1	4529	149390	4193	88326	713	0.07	11.11																								[illegible]
4/22/2025 11:00	0.04	1130	11.52	47.51	337.3	400	1	4529	149264	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 11:15	0.04	1130	11.52	47.51	337.3	400	1	4529	149240	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 11:30	0.04	1130	11.52	47.51	337.3	400	1	4529	149240	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 11:45	0.04	1130	11.52	47.51	337.3	400	1	4529	149240	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 12:00	0.04	1130	11.52	47.51	337.3	400	1	4529	149236	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 12:15	0.04	1130	11.52	47.51	337.3	400	1	4529	149239	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 12:30	0.04	1129	11.52	47.51	337.3	400	1	4529	149212	4193	88326	711	0.07	11.07																								[illegible]
4/22/2025 12:45	0.04	1129	11.52	47.51	337.3	400	1	4529	149203	4193	88326	711	0.07	11.07																								[illegible]
4/22/2025 13:00	0.04	1129	11.53	47.51	337.3	400	1	4529	149144	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 13:15	0.04	1128	11.53	47.51	337.3	400	1	4529	149080	4193	88326	710	0.07	11.05																								[illegible]
4/22/2025 13:30	0.04	1128	11.53	47.51	337.3	400	1	4529	149132	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 13:45	0.04	1129	11.53	47.51	337.3	400	1	4529	149148	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 14:00	0.04	1129	11.52	47.51	337.3	400	1	4529	149186	4193	88326	711	0.07	11.07																								[illegible]
4/22/2025 14:15	0.04	1129	11.52	47.51	337.3	400	1	4529	149172	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 14:30	0.04	1129	11.52	47.51	337.3	400	1	4529	149178	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 14:45	0.04	1128	11.53	47.51	337.3	400	1	4529	149132	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 15:00	0.04	1128	11.53	47.51	337.3	400	1	4529	149117	4193	88326	711	0.07	11.05																								[illegible]
4/22/2025 15:15	0.04	1128	11.53	47.51	337.3	400	1	4529	149112	4193	88326	711	0.07	11.05																								[illegible]
4/22/2025 15:30	0.04	1128	11.53	47.51	337.3	400	1	4529	149085	4193	88326	710	0.07	11.05																								[illegible]
4/22/2025 15:45	0.04	1127	11.53	47.51	337.3	400	1	4529	149037	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 16:00	0.04	1128	11.53	47.51	337.3	400	1	4529	149064	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 16:15	0.04	1128	11.53	47.51	337.3	400	1	4529	149075	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 16:30	0.04	1128	11.53	47.51	337.3	400	1	4529	149067	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 16:45	0.04	1128	11.53	47.51	337.3	400	1	4529	149093	4193	88326	710	0.07	11.05																								[illegible]
4/22/2025 17:00	0.04	1128	11.53	47.51	337.3	400	1	4529	149089	4193	88326	710	0.07	11.05																								[illegible]
4/22/2025 17:15	0.04	1127	11.53	47.51	337.3	400	1	4529	149044	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 17:30	0.04	1128	11.53	47.51	337.3	400	1	4529	149068	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 17:45	0.04	1127	11.54	47.51	337.3	400	1	4529	148976	4193	88326	709	0.07	11.03																								[illegible]
4/22/2025 18:00	0.04	1125	11.55	47.51	337.3	400	1	4529	148875	4193	88326	708	0.07	11.01																								[illegible]
4/22/2025 18:15	0.04	1125	11.55	47.51	337.3	400	1	4529	148861	4193	88326	708	0.07	11.00																								[illegible]
4/22/2025 18:30	0.04	1127	11.54	47.51	337.3	400	1	4529	149028	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 18:45	0.04	1126	11.55	47.51	337.3	400	1	4529	148898	4193	88326	709	0.07	11.01																								[illegible]
4/22/2025 19:00	0.04	1126	11.54	47.51	337.3	400	1	4529	148914	4193	88326	709	0.07	11.01																								[illegible]
4/22/2025 19:15	0.04	1127	11.54	47.51	337.3	400	1	4529	148975	4193	88326	709	0.07	11.03																								[illegible]
4/22/2025 19:30	0.04	1127	11.53	47.51	337.3	400	1	4529	149052	4193	88326	710	0.07	11.04																								[illegible]
4/22/2025 19:45	0.04	1129	11.53	47.51	337.3	400	1	4529	149144	4193	88326	711	0.07	11.06																								[illegible]
4/22/2025 20:00	0.04	1130	11.52	47.51	337.3	400	1	4529	149232	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 20:15	0.04	1130	11.52	47.51	337.3	400	1	4529	149267	4193	88326	712	0.07	11.08																								[illegible]
4/22/2025 20:30	0.04	1130	11.51	47.51	337.3	400	1	4529	149292	4193	88326	712	0.07	11.09																								[illegible]
4/22/2025 20:45	0.04	1131	11.51	47.51	337.3	400	1	4529	149306	4193	88326	712	0.07	11.09																								[illegible]
4/22/2025 21:00	0.04	1131	11.51	47.51	337.3	400	1	4529	149322	4193	88326	712	0.07	11.09																								[illegible]
4/22/2025 21:15	0.04	1131	11.51	47.51	337.3	400	1	4529	149337	4193	88326	713	0.07	11.10																								[illegible]
4/22/2025 21:30	0.04	1131	11.51	47.51	337.3	400	1	4529	149363	4193	88326	713	0.07	11.10																								[illegible]
4/22/2025 21:45	0.04	1132	11.51	47.51	337.3	400	1	4529	149387	4193	88326	713	0.07	11.11																								[illegible]
4/22/2025 22:00	0.04	1132	11.51	47.51	337.3	400	1	4529	149392	4193	88326	713	0.07	11.11																								[illegible]
4/22/2025 22:15	0.04	1132	11.50	47.51	337.3	400	1	4529	149443	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 22:30	0.04	1132	11.50	47.51	337.3	400	1	4529	149437	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 22:45	0.04	1132	11.50	47.51	337.3	400	1	4529	149434	4193	88326	714	0.07	11.11																								[illegible]
4/22/2025 23:00	0.04	1132	11.50	47.51	337.3	400	1	4529	149442	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 23:15	0.04	1133	11.50	47.51	337.3	400	1	4529	149476	4193	88326	714	0.07	11.12																								[illegible]
4/22/2025 23:30	0.04	1134	11.49	47.51	337.3	400	1	4529	149563	4193	88326	715	0.07	11.14																								[illegible]
4/22/2025 23:45	0.04	1134	11.49	47.51	337.3	400	1	4529	149561	4193	88326	715	0.07	11.14																								[illegible]
4/23/2025 0:00	0.05	1042	14.57	47.69	338.6	400	1	4529	117995	4193	88326	599	0.06	10.70																								[illegible]
4/23/2025 0:15	0.05	1042	14.57	47.69	338.6	400	1	4529	118007	4193	88326	599	0.06	10.70																								[illegible]
4/23/2025 0:30	0.05	1042	14.57	47.69	338.6	400	1	4529	118013	4193	88326	600	0.06	10.71																								[illegible]
4/23/2025 0:45	0.05	1042	14.57	47.69	338.6	400	1	4529	118017	4193	88326	600	0.06	10.71																								[illegible]
4/23/2025 1:00	0.05	1043	14.57	47.69	338.6	400	1	4529	118024	4193	88326	600	0.06	10.71																								[illegible]
4/23/2025 1:15	0.05	1043	14.56	47.69	338.6	400	1	4529	118027	4193	88326	600	0.06	10.71																								[illegible]
4/23/2025 1:30	0.05	1043	14.56	47.69	338.6	400	1	4529	118037	4193	88326	600	0.06	10.72																								[illegible]
4/23/2025 1:45	0.05	1043	14.56	47.69	338.6	400	1	4529	118044	4193	88326	600	0.06	10.72																								[illegible]
4/23/2025 2:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118051	4193	88326	600	0.06	10.72																								[illegible]
4/23/2025 2:15	0.05	1044	14.56	47.69	338.6	400	1	4529	118062	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 2:30	0.05	1044	14.56	47.69	338.6	400	1	4529	118068	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 2:45	0.05	1044	14.56	47.69	338.6	400	1	4529	118071	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 3:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118069	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 3:15	0.05	1044	14.56	47.69	338.6	400	1	4529	118071	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 3:30	0.05	1044	14.56	47.69	338.6	400	1	4529	118071	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 3:45	0.05	1044	14.56	47.69	338.6	400	1	4529	118070	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 4:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118068	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 4:15	0.05	1044	14.56	47.69	338.6	400	1	4529	118077	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 4:30	0.05	1044	14.56	47.69	338.6	400	1	4529	118080	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 4:45	0.05	1044	14.56	47.69	338.6	400	1	4529	118079	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 5:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118079	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 5:15	0.05	1044	14.56	47.69	338.6	400	1	4529	118079	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 5:30	0.05	1045	14.56	47.69	338.6	400	1	4529	118081	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 5:45	0.05	1045	14.56	47.69	338.6	400	1	4529	118080	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 6:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118080	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 6:15	0.05	1045	14.56	47.69	338.6	400	1	4529	118085	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 6:30	0.05	1045	14.56	47.69	338.6	400	1	4529	118084	4193	88326	601	0.06	10.74																								[illegible]
4/23/2025 6:45	0.05	1044	14.56	47.69	338.6	400	1	4529	118075	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 7:00	0.05	1044	14.56	47.69	338.6	400	1	4529	118056	4193	88326	601	0.06	10.73																								[illegible]
4/23/2025 7:15	0.05	1043	14.56	47.69	338.6	400	1	4529	118048	4193	88326	600	0.06	10.72																								[illegible]
4/23/2025 7:30	0.05	1043	14.56	47.69	338.6	400	1	4529	118032	4193	88326	600	0.06	10.71																								[illegible]
4/23/2025 7:45	0.05	1043	14.56	47.69	338.6	400	1	4529	118035	4193	88326	600	0.06	10.72																								[illegible]
4/23/2025 8:00	0.05	1042	14.57	47.69	338.6	400	1	4529	118008	4193	88326	599	0.06	10.70																								[illegible]
4/23/2025 8:15	0.05	1041	14.57	47.69	338.6	400	1	4529	117986	4193	88326	599	0.06	10.70																								[illegible]
4/23/2025 8:30	0.05	1041	14.57	47.69	338.6	400	1	4529	117990	4193	88326	599	0.06	10.70																								[illegible]
4/23/2025 8:45	0.05	1042	14.57	47.69	338.6	400	1	4529	118008	4193	88326	599	0.06	10.70																								[illegible]

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

▒ = Flare Not Active This Event

Historian Data / Calculated Data – Flare Gas Composition

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/23/2025 9:00	-0.04	1.21	100.0	19.24	1.96	34.24	670	801	695	-5.00	1037	1113	-5	50.8	0.183	1.25	0.48	0.00	44.28	0.00	12.52	0.00	0.79	33.44	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 9:15	-0.04	1.22	100.0	30.50	2.41	33.61	669	798	704	-5.00	1039	1111	-5	50.8	0.183	1.25	0.48	0.00	44.28	0.00	12.52	0.00	0.79	33.44	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 9:30	-0.04	1.22	100.0	28.23	2.12	33.88	685	801	697	-5.00	1041	1103	-5	50.6	0.182	1.24	0.48	0.00	44.29	0.00	12.52	0.00	0.79	33.44	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 9:45	-0.04	1.22	100.0	27.55	2.52	33.18	684	803	702	-5.00	1041	1102	-5	49.9	0.178	1.21	0.48	0.00	44.30	0.00	12.53	0.00	0.79	33.45	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 10:00	-0.04	1.22	100.0	29.54	2.45	33.68	681	801	721	-5.00	1037	1117	-5	50.7	0.183	1.25	0.48	0.00	44.28	0.00	12.52	0.00	0.79	33.44	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 10:15	-0.04	1.22	100.0	23.07	1.89	33.69	676	800	717	-5.00	1039	1119	-5	51.2	0.186	1.27	0.48	0.00	44.27	0.00	12.52	0.00	0.79	33.43	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 10:30	-0.04	1.22	100.0	23.85	2.11	34.12	664	798	704	-5.00	1041	1116	-5	53.8	0.205	1.40	0.48	0.00	44.22	0.00	12.50	0.00	0.79	33.39	1.19	1.62	0.00	1.29	1.04	0.00	0.84	0.37	0.88
4/23/2025 10:45	-0.04	1.22	100.0	28.97	2.29	33.96	660	794	715	-5.00	1043	1149	-5	52.7	0.197	1.34	0.48	0.00	44.24	0.00	12.51	0.00	0.79	33.41	1.19	1.63	0.00	1.29	1.05	0.00	0.84	0.37	0.88
4/23/2025 11:00	-0.04	1.21	100.0	27.82	2.03	33.99	695	775	769	-5.00	1042	1149	-5	51.3	0.187	1.27	0.48	0.00	44.27	0.00	12.52	0.00	0.79	33.43	1.19	1.63	0.00	1.29	1.05	0.00	0.85	0.37	0.88
4/23/2025 11:15	-0.04	1.21	100.0	31.84	2.14	33.49	720	772	792	-5.00	1043	1152	-5	52.3	0.194	1.32	0.48	0.00	44.25	0.00	12.51	0.00	0.79	33.42	1.19	1.63	0.00	1.29	1.05	0.00	0.84	0.37	0.88
4/23/2025 11:30	-0.04	1.21	100.0	22.88	2.07	33.47	700	769	783	-5.00	1041	1157	-5	52.2	0.193	1.31	0.48	0.00	44.25	0.00	12.51	0.00	0.79	33.42	1.19	1.63	0.00	1.29	1.05	0.00	0.84	0.37	0.88
4/23/2025 11:45	-0.04	1.21	100.0	25.55	2.42	33.45	678	765	780	-5.00	1044	1175	-5	52.7	0.196	1.34	0.48	0.00	44.24	0.00	12.51	0.00	0.79	33.41	1.19	1.63	0.00	1.29	1.05	0.00	0.84	0.37	0.88
4/23/2025 12:00 – 4/25/2025 5:30	[illegible]																																

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/23/2025 9:00	0.05	1041	14.57	47.69	338.6	400	1	4529	117985	4193	88326	599	0.06	10.69																								10.69
4/23/2025 9:15	0.05	1041	14.57	47.69	338.6	400	1	4529	117985	4193	88326	599	0.06	10.69																								10.69
4/23/2025 9:30	0.05	1041	14.57	47.69	338.6	400	1	4529	117988	4193	88326	599	0.06	10.70																								10.70
4/23/2025 9:45	0.05	1042	14.57	47.69	338.6	400	1	4529	117997	4193	88326	599	0.06	10.70																								10.70
4/23/2025 10:00	0.05	1041	14.57	47.69	338.6	400	1	4529	117986	4193	88326	599	0.06	10.69																								10.69
4/23/2025 10:15	0.05	1041	14.57	47.69	338.6	400	1	4529	117979	4193	88326	599	0.06	10.69																								10.69
4/23/2025 10:30	0.05	1040	14.58	47.69	338.6	400	1	4529	117939	4193	88326	598	0.06	10.67																								10.67
4/23/2025 10:45	0.05	1040	14.57	47.69	338.6	400	1	4529	117957	4193	88326	598	0.06	10.68																								10.68
4/23/2025 11:00	0.05	1041	14.57	47.69	338.6	400	1	4529	117978	4193	88326	599	0.06	10.69																								10.69
4/23/2025 11:15	0.05	1041	14.57	47.69	338.6	400	1	4529	117962	4193	88326	599	0.06	10.68																								10.68
4/23/2025 11:30	0.05	1041	14.57	47.69	338.6	400	1	4529	117965	4193	88326	599	0.06	10.69																								10.69
4/23/2025 11:45	0.05	1040	14.57	47.69	338.6	400	1	4529	117957	4193	88326	598	0.06	10.68																								10.68
4/23/2025 12:00 – 4/25/2025 5:30	[illegible]																																					

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

	Historian Data: Flare Header Pressure (PSIG)	Flare Gas Compressor Suction P (PSIG)	Flare Gas Compressor Spillback (%)	Flare Flow Meter (KSCFH)	Flare Flow Meter (KLB/HR)	Flare Flow Meter (LB/LB-MOL)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Steam OP (%)	24inch Pilots (DEGF)	24inch Pilots (DEGF)	24inch Steam (%)	Ambient Temp. (DEGF)	Calculated Data: Water Vapour /Partial Pressure (PSIA)	Total SO2 Emissions (kg/period)
4/25/2025 5:45	-0.03	1.29	100.0	29.31	2.66	40.04	709	786	762	-5.00	1070	1106	-5	56.0	0.222	9.12
4/25/2025 6:00	-0.03	1.29	100.0	28.59	3.14	39.85	700	788	771	-5.00	1072	1120	-5	56.1	0.223	9.12
4/25/2025 6:15	-0.03	1.30	100.0	25.18	2.79	40.28	728	795	737	-5.00	1044	1135	-5	52.7	0.198	9.14
4/25/2025 6:30	-0.03	1.30	100.0	23.40	2.43	40.17	767	754	742	-5.00	1031	1102	-5	47.1	0.159	9.17
4/25/2025 6:45	-0.04	1.30	100.0	27.98	2.67	39.84	774	786	755	-5.00	1087	1148	-5	48.9	0.170	9.16
4/25/2025 7:00	-0.04	1.30	100.0	29.27	2.63	39.59	779	772	737	-5.00	1045	1118	-5	48.6	0.169	9.17
4/25/2025 7:15	-0.04	1.31	100.0	31.22	3.04	38.37	772	776	739	-5.00	1064	1129	-5	49.1	0.172	9.16
4/25/2025 7:30	-0.04	1.30	100.0	20.97	2.53	38.50	761	787	771	-5.00	1090	1169	-5	51.2	0.186	9.15
4/25/2025 7:45	-0.04	1.30	100.0	27.80	2.63	38.04	769	803	744	-5.00	1089	1176	-5	52.4	0.195	9.14
4/25/2025 8:00	-0.04	1.30	100.0	31.15	3.11	38.80	770	794	707	-5.00	1082	1165	-5	53.1	0.200	9.14
4/25/2025 8:15	-0.04	1.31	100.0	28.93	2.72	38.63	750	774	722	-5.00	1066	1164	-5	52.5	0.195	9.14
4/25/2025 8:30	-0.04	1.31	100.0	25.30	2.36	38.76	682	775	751	-5.00	1048	1153	-5	51.9	0.191	9.15
4/25/2025 8:45	-0.04	1.31	100.0	28.02	2.81	38.63	686	786	691	-5.00	1064	1117	-5	52.5	0.195	9.14
4/25/2025 9:00	-0.04	1.31	100.0	27.01	2.76	38.71	691	780	684	-5.00	1087	1101	-5	53.7	0.204	9.14
4/25/2025 9:15	-0.04	1.32	100.0	25.37	2.71	38.62	700	784	673	-5.00	1078	1088	-5	52.6	0.196	9.14
4/25/2025 9:30	-0.04	1.31	100.0	29.53	2.63	38.17	705	787	662	-5.00	1070	1082	-5	52.3	0.193	9.14
4/25/2025 9:45	-0.04	1.31	100.0	29.10	3.03	39.08	707	792	661	-5.00	1067	1086	-5	51.1	0.185	9.15
4/25/2025 10:00	-0.04	1.32	100.0	24.26	2.76	39.05	705	788	671	-5.00	1074	1088	-5	50.2	0.179	9.16
4/25/2025 10:15	-0.04	1.32	100.0	24.38	2.60	39.14	722	790	661	-5.00	1076	1088	-5	50.0	0.178	9.16
4/25/2025 10:30	-0.04	1.32	100.0	26.96	2.94	38.93	722	788	660	-5.00	1076	1087	-5	49.3	0.173	9.16
4/25/2025 10:45	-0.04	1.32	100.0	37.05	2.79	39.40	715	789	668	-5.00	1073	1091	-5	49.1	0.172	9.16
4/25/2025 11:00	-0.04	1.32	100.0	24.26	2.64	38.88	707	789	680	-5.00	1064	1093	-5	48.6	0.169	9.17
4/25/2025 11:15	-0.04	1.32	100.0	29.03	3.00	39.07	702	785	688	-5.00	1066	1096	-5	48.8	0.170	9.16
4/25/2025 11:30	-0.04	1.32	100.0	29.04	2.59	38.78	705	789	688	-5.00	1069	1097	-5	48.7	0.169	9.17
4/25/2025 11:45	-0.04	1.32	100.0	25.69	2.76	38.79	710	790	694	-5.00	1060	1102	-5	48.6	0.169	9.17
4/25/2025 12:00	-0.04	1.33	100.0	24.66	2.59	38.72	713	790	693	-5.00	1056	1101	-5	49.3	0.173	9.16
4/25/2025 12:15	-0.04	1.33	100.0	24.23	2.65	38.55	706	788	683	-5.00	1059	1095	-5	49.0	0.171	9.16
4/25/2025 12:30	-0.04	1.33	100.0	27.60	2.73	38.96	695	788	694	-5.00	1060	1098	-5	48.9	0.171	9.16
4/25/2025 12:45	-0.04	1.33	100.0	22.36	2.62	39.03	694	788	697	-5.00	1055	1098	-5	49.0	0.171	9.16
4/25/2025 13:00	-0.04	1.33	100.0	26.64	2.83	38.98	706	795	687	-5.00	1053	1097	-5	48.4	0.168	9.17
4/25/2025 13:15	-0.04	1.33	100.0	28.93	2.46	38.69	717	795	677	-5.00	1062	1096	-5	48.0	0.165	9.17
4/25/2025 13:30	-0.04	1.33	100.0	24.68	2.50	38.92	709	789	685	-5.00	1062	1091	-5	47.9	0.164	9.17
4/25/2025 13:45	-0.04	1.33	100.0	27.64	2.59	39.10	736	794	677	-5.00	1050	1095	-5	48.1	0.165	9.17
4/25/2025 14:00	-0.04	1.33	100.0	21.58	2.55	39.05	740	793	685	-5.00	1049	1096	-5	48.4	0.167	9.17
4/25/2025 14:15	-0.04	1.33	100.0	21.28	2.68	38.76	714	790	681	-5.00	1058	1090	-5	49.6	0.175	9.16
4/25/2025 14:30	-0.04	1.33	100.0	30.95	2.92	39.24	698	793	675	-5.00	1052	1092	-5	49.9	0.177	9.16
4/25/2025 14:45	-0.04	1.33	100.0	23.37	2.57	39.18	703	793	669	-5.00	1053	1096	-5	50.0	0.178	9.16
4/25/2025 15:00	-0.04	1.33	100.0	33.59	2.82	39.06	690	784	672	-5.00	1068	1090	-5	50.5	0.181	9.16
4/25/2025 15:15	-0.04	1.33	100.0	25.29	2.73	38.99	710	794	660	-5.00	1055	1089	-5	50.3	0.180	9.16
4/25/2025 15:30	-0.04	1.34	100.0	27.03	2.59	38.78	712	793	660	-5.00	1049	1093	-5	50.3	0.180	9.16
4/25/2025 15:45	-0.04	1.33	100.0	17.22	2.37	38.96	720	793	649	-5.00	1056	1090	-5	50.0	0.178	9.16
4/25/2025 16:00	-0.04	1.33	100.0	22.40	2.72	39.10	732	791	648	-5.00	1050	1092	-5	50.5	0.181	9.16
4/25/2025 16:15	-0.04	1.33	100.0	26.21	2.53	39.04	729	788	656	-5.00	1047	1092	-5	51.0	0.185	9.15
4/25/2025 16:30	-0.04	1.34	100.0	23.58	2.72	39.40	737	788	665	-5.00	1048	1092	-5	50.9	0.184	9.15
4/25/2025 16:45	-0.04	1.33	100.0	31.11	2.78	39.22	734	792	679	-5.00	1050	1090	-5	50.8	0.183	9.15
4/25/2025 17:00	-0.04	1.33	100.0	26.36	2.78	39.50	735	794	688	-5.00	1046	1092	-5	50.7	0.182	9.15
4/25/2025 17:15	-0.04	1.33	100.0	29.00	2.91	38.65	743	792	683	-5.00	1055	1091	-5	50.2	0.179	9.16
4/25/2025 17:30	-0.04	1.33	100.0	31.64	2.83	39.16	737	795	685	-5.00	1057	1089	-5	49.8	0.176	9.16
4/25/2025 17:45	-0.04	1.33	100.0	13.86	2.66	39.21	735	792	687	-5.00	1065	1092	-5	49.3	0.173	9.16
4/25/2025 18:00	-0.04	1.33	100.0	28.12	3.23	39.20	742	795	684	-5.00	1058	1092	-5	48.6	0.169	9.17
4/25/2025 18:15	-0.04	1.33	100.0	28.20	2.71	39.19	728	790	699	-5.00	1064	1092	-5	48.5	0.168	9.17
4/25/2025 18:30	-0.04	1.33	100.0	24.10	2.79	38.94	710	793	720	-5.00	1059	1101	-5	48.7	0.170	9.17
4/25/2025 18:45	-0.04	1.34	100.0	25.19	2.84	38.49	709	791	726	-5.00	1061	1109	-5	48.7	0.170	9.17
4/25/2025 19:00	-0.04	1.34	100.0	25.64	2.39	38.09	723	793	713	-5.00	1062	1109	-5	48.4	0.167	9.17
4/25/2025 19:15	-0.04	1.33	100.0	25.80	2.72	38.43	740	791	698	-5.00	1059	1102	-5	48.6	0.168	9.17
4/25/2025 19:30	-0.04	1.33	100.0	32.34	2.89	38.30	739	792	691	-5.00	1059	1096	-5	49.0	0.171	9.16
4/25/2025 19:45	-0.04	1.33	100.0	22.42	2.43	37.54	740	793	691	-5.00	1054	1097	-5	49.2	0.172	9.16
4/25/2025 20:00	-0.04	1.34	100.0	22.95	3.17	38.62	730	794	704	-5.00	1053	1097	-5	48.7	0.170	9.17
4/25/2025 20:15	-0.04	1.34	100.0	27.80	2.90	37.64	726	791	719	-5.00	1053	1103	-5	48.6	0.169	9.17
4/25/2025 20:30	-0.04	1.34	100.0	26.15	2.79	38.60	730	792	696	-5.00	1060	1097	-5	48.4	0.167	9.17
4/25/2025 20:45	-0.04	1.34	100.0	28.38	2.86	38.40	723	794	698	-5.00	1052	1094	-5	48.3	0.167	9.17
4/25/2025 21:00	-0.04	1.34	100.0	25.80	2.82	38.34	708	793	742	-5.00	1063	1114	-5	48.0	0.165	9.17
4/25/2025 21:15	-0.04	1.34	100.0	26.04	2.87	38.81	714	782	757	-5.00	1062	1117	-5	48.3	0.167	9.17
4/25/2025 21:30	-0.04	1.34	100.0	34.30	3.06	38.42	707	782	757	-5.00	1060	1115	-5	48.3	0.167	9.17
4/25/2025 21:45	-0.04	1.34	100.0	29.36	3.00	38.65	729	768	776	-5.00	1047	1153	-5	48.0	0.165	9.17
4/25/2025 22:00	-0.04	1.35	100.0	31.18	3.15	38.05	725	765	781	-5.00	1055	1145	-5	47.5	0.162	9.17
4/25/2025 22:15	-0.04	1.35	100.0	28.69	3.07	38.14	711	772	797	-5.00	1053	1154	-5	47.1	0.160	9.17
4/25/2025 22:30	-0.04	1.34	100.0	28.54	2.87	38.17	707	788	776	-5.00	1054	1139	-5	46.7	0.157	9.18
4/25/2025 22:45	-0.04	1.35	100.0	29.09	2.95	38.56	700	792	752	-5.00	1056	1137	-5	46.7	0.157	9.18
4/25/2025 23:00	-0.04	1.35	100.0	25.35	2.98	38.39	707	792	751	-5.00	1049	1124	-5	46.7	0.157	9.18
4/25/2025 23:15	-0.04	1.35	100.0	30.14	2.64	37.86	708	792	747	-5.00	1050	1123	-5	47.6	0.162	9.17
4/25/2025 23:30	-0.04	1.35	100.0	23.09	2.51	39.17	713	792	716	-5.00	1052	1116	-5	48.2	0.166	9.17
4/25/2025 23:45	-0.04	1.35	100.0	27.40	2.95	38.96	705	793	713	-5.00	1050	1109	-5	48.1	0.166	9.17
4/26/2025 0:00	-0.04	1.35	100.0	27.23	2.81	39.63	713	789	733	-5.00	1050	1115	-5	48.4	0.168	9.17
4/26/2025 0:15	-0.04	1.35	100.0	35.44	3.03	39.55	707	792	709	-5.00	1045	1108	-5	48.7	0.169	9.17
4/26/2025 0:30	-0.04	1.36	100.0	27.22	3.36	39.34	692	783	735	-5.00	1043	1120	-5	48.4	0.168	9.17
4/26/2025 0:45	-0.04	1.35	100.0	28.86	3.38	39.46	697	771	765	-5.00	1031	1122	-5	47.9	0.164	9.17
4/26/2025 1:00	-0.04	1.35	100.0	33.31	3.11	39.29	703	768	778	-5.00	1033	1129	-5	47.1	0.159	9.17
4/26/2025 1:15	-0.04	1.36	100.0	23.67	2.23	38.89	706	769	785	-5.00	1032	1129	-5	46.6	0.156	9.18
4/26/2025 1:30	-0.04	1.36	100.0	25.97	3.26	38.65	698	770	798	-5.00	1033	1143	-5	46.4	0.155	9.18
4/26/2025 1:45	-0.04	1.36	100.0	28.10	2.92	39.06	697	782	803	-5.00	1040	1150	-5	46.3	0.155	9.18
4/26/2025 2:00	-0.04	1.36	100.0	30.78	3.16	38.64	715	779	824	-5.00	1052	1154	-5	46.2	0.154	9.18
4/26/2025 2:15	-0.04	1.36	100.0	18.93	2.97	39.03	730	780	815	-5.00	1072	1161	-5	46.5	0.156	9.18
4/26/2025 2:30	-0.04	1.36	100.0	21.65	2.88	38.78	717	787	810	-5.00	1068	1147	-5	47.0	0.159	9.17
4/26/2025 2:45	-0.04	1.37	100.0	22.80	2.69	39.46	712	791	796	-5.00	1069	1146	-5	47.4	0.161	9.17
4/26/2025 3:00	-0.04	1.36	100.0	30.50	2.98	39.22	761	793	777	-5.00	1090	1170	-5	47.6	0.163	9.17
4/26/2025 3:15	-0.04	1.37	100.0	26.97	2.59	39.45	752	773	809	-5.00	1084	1163	-5	47.4	0.161	9.17
4/26/2025 3:30	-0.04	1.38	100.0	27.36	2.73	38.82	773	764	750	-5.00	1067	1158	-5	46.9	0.159	9.17
4/26/2025 3:45	-0.04	1.37	100.0	19.47	2.98	37.97	778	781	753	-5.00	1074	1166	-5	46.6	0.156	9.18
4/26/2025 4:00	-0.04	1.37	100.0	25.99	2.43	38.83	785	808	711	-5.00	1058	1165	-5	46.7	0.157	9.18
4/26/2025 4:15	-0.04	1.37	100.0	21.08	2.53	39.18	792	771	744	-5.00	1066	1138	-5	47.4	0.161	9.17
4/26/2025 4:30	-0.04	1.37	100.0	31.63	2.79	39.18	780	764	743	-5.00	1030	1110	-5	47.0	0.159	9.17
4/26/2025 4:45	-0.04	1.38	100.0	29.38	3.07	38.98	793	726	764	-5.00	1051	1095	-5	47.8	0.164	9.17
4/26/2025 5:00	-0.04	1.37	100.0	25.29	3.26	39.17	804	700	773	-5.00	1086	1107	-5	49.2	0.173	9.16
4/26/2025 5:15	-0.04	1.38	100.0	24.64	2.74	39.30	805	687	768	-5.00	1094	1152	-5	50.5	0.181	9.16
4/26/2025 5:30	-0.04	1.38	100.0	21.46	2.45	39.26	795	714	766	-5.00	1095	1132	-5	50.5	0.181	9.16
4/26/2025 5:45	-0.04	1.38	100.0	32.87	3.11	39.36	795	718	769	-5.00	1094	1141	-5	50.9	0.184	9.15
4/26/2025 6:00	-0.04	1.38	100.0	18.06	2.72	39.52	778	769	780	-5.00	1102	1176	-5	51.5	0.188	9.15
4/26/2025 6:15	-0.04	1.38	100.0	25.97	2.42	39.14	802	733	780	-5.00	1107	1161	-5	52.4	0.195	9.14
4/26/2025 6:30	-0.04	1.38	100.0	26.80	2.72	39.24	796	696	764	-5.00	1098	1090	-5	53.6	0.203	9.14
4/26/2025 6:45	-0.04	1.39	100.0	34.68	2.74	39.67	785	704	756	-5.00	1101	1063	-5	55.3	0.216	9.13
4/26/2025 7:00	-0.04	1.39	100.0	24.88	2.85	39.91	755	706	744	-5.00	1090	1036	-5	55.4	0.217	9.12
4/26/2025 7:15	-0.04	1.40	100.0	28.95	3.05	39.83	723	746	715	-5.00	1119	1002	-5	54.8	0.212	9.13
4/26/2025 7:30	-0.04	1.40	100.0	27.64	2.72	40.42	714	755	700	-5.00	1097	974	-5	53.6	0.203	9.14
4/26/2025 7:45	-0.04	1.40	100.0	25.56	2.76	40.34	726	730	716	-5.00	1057	972	-5	52.7	0.197	9.14
4/26/2025 8:00	-0.04	1.40	100.0	24.63	2.51	40.47	725	752	721	-5.00	1090	970	-5	54.1	0.207	9.13
4/26/2025 8:15	-0.04	1.41	100.0	24.87	2.60	39.93	725	759	721	-5.00	1103	963	-5	53.7	0.204	9.14
4/26/2025 8:30	-0.04	1.40	100.0	23.69	3.15	40.05	730	758	723	-5.00	1105	981	-5	53.2	0.200	9.14
4/26/2025 8:45	-0.04	1.40	100.0	36.07	3.30	39.63	734	748	725	-5.00	1066	963	-5	52.9	0.198	9.14
4/26/2025 9:00	-0.04	1.40	100.0	27.01	2.76	39.82	741	736	737	-5.00	1045	968	-5	52.0	0.192	9.15
4/26/2025 9:15	-0.04	1.40	100.0	28.81	2.92	39.71	732	755	729	-5.00	1107	969	-5	52.7	0.196	9.14
4/26/2025 9:30	-0.04	1.40	100.0	28.20	3.01	39.78	721	768	719	-5.00	1122	950	-5	53.8	0.205	9.14
4/26/2025 9:45	-0.04	1.40	100.0	21.86	2.87	39.71	723	753	725	-5.00	1018	960	-5	52.0	0.192	9.15
4/26/2025 10:00	-0.04	1.40	100.0	25.66	2.80	39.57	723	751	722	-5.00	1019	948	-5	52.7	0.196	9.14
4/26/2025 10:15	-0.04	1.40	100.0	25.43	3.33	39.13	718	748	715	-5.00	1004	950	-5	53.3	0.201	9.14
4/26/2025 10:30	-0.04	1.40	100.0	25.74	2.73	39.10	714	754	721	-5.00	1033	964	-5	55.5	0.218	9.12
4/26/2025 10:45	-0.04	1.40	100.0	28.51	2.70	38.56	702	763	701	-5.00	1046	949	-5	54.5	0.210	9.13
4/26/2025 11:00	-0.04	1.39	100.0	23.34	3.01	39.69	720	756	714	-5.00	1073	960	-5	53.5	0.202	9.14
4/26/2025 11:15	-0.04	1.40	100.0	30.69	2.85	40.26	723	758	716	-5.00	1098	963	-5	55.2	0.216	9.13
4/26/2025 11:30	-0.04	1.40	100.0	25.92	2.69	39.82	718	743	724	-5.00	1041	966	-5	56.4	0.225	9.12
4/26/2025 11:45	-0.04	1.40	100.0	27.29	3.15	39.15	704	755	715	-5.00	988	959	-5	58.8	0.245	9.10
4/26/2025 12:00	-0.03	1.40	100.0	26.19	2.79	39.18	703	765	716	-5.00	1032	954	-5	55.8	0.221	9.12
4/26/2025 12:15	-0.03	1.40	100.0	29.50	3.02	39.55	710	754	733	-5.00	991	981	-5	55.8	0.220	9.12
4/26/2025 12:30	-0.03	1.39	100.0	27.59	3.13	39.36	714	750	725	-5.00	996	978	-5	55.8	0.220	9.12
4/26/2025 12:45	-0.03	1.39	100.0	25.58	2.72	39.50	722	755	732	-5.00	1003	969	-5	55.0	0.214	9.13
4/26/2025 13:00	-0.03	1.39	100.0	31.09	3.01	39.53	725	750	730	-5.00	1011	971	-5	55.0	0.214	9.13
4/26/2025 13:15	-0.03	1.38	100.0	25.90	2.58	39.67	728	759	726	-5.00	1058	949	-5	56.0	0.221	9.12
4/26/2025 13:30	-0.03	1.38	100.0	27.05	2.76	39.45	734	756	729	-5.00	1059	963	-5	54.9	0.213	9.13
4/26/2025 13:45	-0.03	1.37	100.0	26.04	2.73	39.53	736	748	738	-5.00	1003	972	-5	54.4	0.209	9.13
4/26/2025 14:00	-0.03	1.37	100.0	25.10	2.56	39.53	731	750	739	-5.00	990	978	-5	55.0	0.214	9.13
4/26/2025 14:15	-0.03	1.37	100.0	17.18	2.51	39.53	723	758	727	-5.00	995	974	-5	54.0	0.206	9.13
4/26/2025 14:30	-0.03	1.37	100.0	25.92	2.85	39.11	728	756	730	-5.00	1026	961	-5	55.1	0.215	9.13
4/26/2025 14:45	-0.03	1.36	100.0	29.47	2.88	39.16	717	761	719	-5.00	1074	945	-5	55.4	0.217	9.12
4/26/2025 15:00	-0.03	1.36	100.0	26.06	2.84	39.15	713	761	711	-5.00	1075	947	-5	55.1	0.214	9.13
4/26/2025 15:15	-0.03	1.36	100.0	29.33	2.78	40.08	711	750	710	-5.00	996	947	-5	54.5	0.210	9.13
4/26/2025 15:30	-0.04	1.36	100.0	30.87	2.89	40.06	717	744	714	-5.00	1027	952	-5	54.2	0.208	9.13
4/26/2025 15:45	-0.04	1.36	100.0	34.07	3.35	39.37	725	749	720	-5.00	1024	952	-5	53.6	0.203	9.14
4/26/2025 16:00	-0.04	1.35	100.0	30.48	3.05	39.14	724	750	721	-5.00	968	957	-5	53.1	0.199	9.14
4/26/2025 16:15	-0.04	1.36	100.0	34.71	2.59	39.16	726	745	726	-5.00	972	962	-5	52.3	0.194	9.14
4/26/2025 16:30	-0.04	1.35	100.0	28.56	2.66	39.54	722	754	718	-5.00	1035	945	-5	52.5	0.195	9.14
4/26/2025 16:45	-0.04	1.35	100.0	26.87	2.80	39.48	725	757	715	-5.00	1102	954	-5	52.5	0.195	9.14
4/26/2025 17:00	-0.04	1.35	100.0	25.16	2.82	39.29	723	756	714	-5.00	1063	954	-5	52.2	0.193	9.15
4/26/2025 17:15	-0.04	1.34	100.0	22.53	2.84	39.62	717	759	712	-5.00	1042	946	-5	52.1	0.193	9.15
4/26/2025 17:30	-0.04	1.34	100.0	26.38	2.64	39.67	715	756	713	-5.00	1081	948	-5	50.9	0.184	9.15
4/26/2025 17:45	-0.04	1.34	100.0	25.62	2.57	39.68	718	758	715	-5.00	1081	947	-5	50.0	0.178	9.16
4/26/2025 18:00	-0.04	1.34	100.0	21.01	2.44	39.60	719	759	718	-5.00	1117	958	-5	49.5	0.175	9.16
4/26/2025 18:15	-0.04	1.34	100.0	21.57	2.42	39.77	718	765	723	-5.00	1155	960	-5	49.7	0.176	9.16
4/26/2025 18:30	-0.04	1.34	100.0	29.94	3.03	39.69	711	771	724	-5.00	1213	964	-5	48.9	0.170	9.16
4/26/2025 18:45	-0.04	1.34	100.0	28.96	3.19	39.69	709	770	725	-5.00	1240	971	-5	48.2	0.166	9.17
4/26/2025 19:00	-0.04	1.34	100.0	26.20	2.73	39.72	722	765	719	-5.00	1154	974	-5	47.9	0.164	9.17
4/26/2025 19:15	-0.04	1.34	100.0	28.15	2.83	39.30	696	773	732	-5.00	1207	958	-5	47.1	0.160	9.17
4/26/2025 19:30	-0.04	1.35	100.0	35.97	3.24	39.69	711	778	732	-5.00	1214	976	-5	46.9	0.158	9.17
4/26/2025 19:45	-0.04	1.35	100.0	31.05	2.95	39.00	715	772	727	-5.00	1188	967	-5	46.3	0.154	9.18
4/26/2025 20:00	-0.04	1.36	100.0	28.32	3.04	39.87	714	769	726	-5.00	1214	976	-5	45.6	0.151	9.18
4/26/2025 20:15	-0.04	1.36	100.0	30.77	2.67	39.42	725	763	727	-5.00	1116	966	-5	45.6	0.151	9.18
4/26/2025 20:30	-0.04	1.36	100.0	31.43	3.08	38.62	729	759	724	-5.00	1116	965	-5	45.6	0.150	9.18
4/26/2025 20:45	-0.04	1.37	100.0	23.00	2.42	39.55	733	757	725	-5.00	1100	964	-5	45.9	0.152	9.18
4/26/2025 21:00	-0.04	1.37	100.0	28.04	2.80	39.63	727	764	727	-5.00	1188	987	-5	46.3	0.155	9.18
4/26/2025 21:15	-0.04	1.37	100.0	31.59	3.08	39.33	721	776	729	-5.00	1218	1002	-5	46.9	0.158	9.17
4/26/2025 21:30	-0.04	1.37	100.0	23.88	2.76	39.24	697	777	736	-5.00	1282	991	-5	47.5	0.162	9.17
4/26/2025 21:45	-0.04	1.38	100.0	35.46	3.23	39.65	706	779	728	-5.00	1258	994	-5	47.0	0.159	9.17
4/26/2025 22:00	-0.04	1.38	100.0	20.62	2.80	39.51	717	778	724	-5.00	1199	1001	-5	47.6	0.163	9.17
4/26/2025 22:15	-0.04	1.38	100.0	25.31	2.96	39.28	717	770	717	-5.00	1160	984	-5	47.9	0.164	9.17
4/26/2025 22:30	-0.04	1.38	100.0	22.38	2.61	39.16	720	762	713	-5.00	1158	985	-5	47.9	0.164	9.17
4/26/2025 22:45	-0.04	1.38	100.0	27.33	2.86	39.24	710	775	717	-5.00	1194	987	-5	48.2	0.166	9.17
4/26/2025 23:00	-0.04	1.39	100.0	29.26	3.10	39.43	711	779	719	-5.00	1217	997	-5	48.2	0.166	9.17
4/26/2025 23:15	-0.04	1.39	100.0	26.36	2.94	39.75	715	778	717	-5.00	1208	999	-5	48.2	0.166	9.17
4/26/2025 23:30	-0.04	1.39	100.0	29.72	3.01	39.67	713	775	716	-5.00	1172	987	-5	48.1	0.166	9.17
4/26/2025 23:45	-0.04	1.39	100.0	27.45	2.64	39.75	736	752	722	-5.00	1114	995	-5	48.3	0.167	9.17
4/27/2025 0:00	-0.04	1.40	100.0	26.56	2.85	39.71	744	727	731	-5.00	1059	993	-5	48.5	0.168	9.17
4/27/2025 0:15	-0.04	1.40	100.0	28.80	2.91	39.70	750	721	747	-5.00	1055	1008	-5	48.7	0.169	9.17
4/27/2025 0:30	-0.04	1.40	100.0	24.40	2.74	39.68	749	717	749	-5.00	1054	1006	-5	48.8	0.170	9.16
4/27/2025 0:45	-0.04	1.40	100.0	10.70	2.48	39.90	742	717	747	-5.00	1044	1000	-5	48.6	0.169	9.17
4/27/2025 1:00	-0.04	1.40	100.0	22.16	2.80	40.18	743	714	745	-5.00	1046	999	-5	48.3	0.167	9.17
4/27/2025 1:15	-0.04	1.41	100.0	27.37	2.86	40.12	741	716	744	-5.00	1047	997	-5	48.1	0.165	9.17
4/27/2025 1:30	-0.04	1.41	100.0	29.02	2.80	40.19	746	717	746	-5.00	1034	994	-5	47.9	0.164	9.17
4/27/2025 1:45	-0.04	1.41	100.0	29.72	3.12	40.08	741	723	740	-5.00	1028	986	-5	47.7	0.163	9.17
4/27/2025 2:00	-0.04	1.41	100.0	28.42	2.98	40.54	744	728	741	-5.00	1036	992	-5	47.3	0.160	9.17
4/27/2025 2:15	-0.04	1.41	100.0	27.76	2.84	39.71	747	726	747	-5.00	1033	987	-5	46.6	0.157	9.18

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / Calculated Data (Water Vapour, Water)

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %
4/27/2025 2:30	-0.04	1.41	100.0	40.45	2.79	40.18	754	727	749	-5.00	1040	995	-5	46.2	0.154	1.05
4/27/2025 2:45	-0.04	1.42	100.0	33.07	2.92	39.98	754	730	748	-5.00	1049	996	-5	46.2	0.154	1.05
4/27/2025 3:00	-0.04	1.42	100.0	28.99	3.17	39.75	759	728	750	-5.00	1052	1001	-5	46.0	0.153	1.04
4/27/2025 3:15	-0.04	1.42	100.0	29.44	2.49	39.62	761	721	755	-5.00	1061	1020	-5	45.8	0.152	1.03
4/27/2025 3:30	-0.04	1.42	100.0	24.11	2.49	39.85	768	713	758	-5.00	1071	1036	-5	45.5	0.150	1.02
4/27/2025 3:45	-0.04	1.42	100.0	26.96	2.83	39.20	759	731	753	-5.00	1097	1045	-5	45.5	0.150	1.02
4/27/2025 4:00	-0.04	1.42	100.0	30.67	3.08	39.46	740	739	736	-5.00	1068	1007	-5	46.0	0.153	1.04
4/27/2025 4:15	-0.04	1.42	100.0	33.37	2.96	39.14	743	732	736	-5.00	1052	1005	-5	45.5	0.150	1.03
4/27/2025 4:30	-0.04	1.42	100.0	27.74	3.00	38.37	739	733	738	-5.00	1055	1003	-5	45.2	0.148	1.01
4/27/2025 4:45	-0.04	1.42	100.0	24.95	2.49	39.41	743	740	737	-5.00	1080	1014	-5	45.1	0.148	1.01
4/27/2025 5:00	-0.04	1.42	100.0	23.02	2.54	39.49	745	736	735	-5.00	1086	1026	-5	45.1	0.148	1.01
4/27/2025 5:15	-0.04	1.42	100.0	26.95	2.61	39.42	753	716	741	-5.00	1076	1033	-5	44.7	0.146	0.99
4/27/2025 5:30	-0.04	1.42	100.0	25.81	2.72	39.40	752	718	749	-5.00	1065	1038	-5	44.1	0.142	0.97
4/27/2025 5:45	-0.04	1.42	100.0	23.72	2.73	39.42	743	720	742	-5.00	1063	1025	-5	43.9	0.141	0.96
4/27/2025 6:00	-0.04	1.42	100.0	20.51	2.44	39.37	748	737	741	-5.00	1097	1032	-5	43.6	0.140	0.95
4/27/2025 6:15	-0.04	1.42	100.0	22.56	2.94	39.36	743	771	738	-5.00	1136	1053	-5	43.7	0.140	0.96
4/27/2025 6:30	-0.04	1.42	100.0	25.16	2.77	39.53	744	777	741	-5.00	1137	1054	-5	45.3	0.149	1.02
4/27/2025 6:45	-0.04	1.43	100.0	29.88	2.56	39.50	746	750	731	-5.00	1095	1041	-5	48.1	0.166	1.13
4/27/2025 7:00	-0.04	1.43	100.0	22.08	2.59	39.58	738	743	726	-5.00	1091	1044	-5	50.1	0.178	1.22
4/27/2025 7:15	-0.04	1.43	100.0	25.01	2.82	39.61	725	759	713	-5.00	1141	1037	-5	52.0	0.192	1.31
4/27/2025 7:30	-0.04	1.43	100.0	27.84	2.58	39.65	714	762	702	-5.00	1133	1007	-5	52.6	0.196	1.34
4/27/2025 7:45	-0.04	1.43	100.0	33.26	2.77	39.43	708	770	698	-5.00	1132	993	-5	53.3	0.201	1.37
4/27/2025 8:00	-0.04	1.43	100.0	30.12	2.89	39.83	703	781	701	-5.00	1176	1003	-5	54.7	0.212	1.45
4/27/2025 8:15	-0.04	1.44	100.0	24.19	2.69	39.49	695	795	703	-5.00	1224	1012	-5	55.3	0.216	1.48
4/27/2025 8:30	-0.04	1.44	100.0	23.98	2.40	39.76	697	795	705	-5.00	1200	1020	-5	56.6	0.227	1.55
4/27/2025 8:45	-0.04	1.44	100.0	24.07	3.15	38.86	704	793	706	-5.00	1185	1025	-5	57.6	0.235	1.60
4/27/2025 9:00	-0.04	1.43	100.0	30.64	2.92	38.97	699	799	707	-5.00	1209	1018	-5	57.2	0.232	1.58
4/27/2025 9:15	-0.04	1.44	100.0	29.60	3.05	39.69	704	799	710	-5.00	1221	1020	-5	58.2	0.240	1.64
4/27/2025 9:30	-0.04	1.43	100.0	28.09	2.85	39.49	708	800	719	-5.00	1260	1024	-5	58.7	0.245	1.67
4/27/2025 9:45	-0.04	1.44	100.0	28.19	3.12	39.63	704	799	715	-5.00	1241	1030	-5	59.1	0.248	1.69
4/27/2025 10:00	-0.04	1.44	100.0	26.98	2.84	39.76	710	798	710	-5.00	1202	1041	-5	60.8	0.264	1.80
4/27/2025 10:15	-0.03	1.44	100.0	21.03	2.70	39.86	710	784	711	-5.00	1202	1038	-5	61.7	0.272	1.86
4/27/2025 10:30	-0.03	1.43	100.0	22.34	2.84	39.97	705	804	713	-5.00	1190	1080	-5	61.7	0.272	1.85
4/27/2025 10:45	-0.03	1.43	100.0	23.89	2.83	40.14	696	801	714	-5.00	1212	1056	-5	62.6	0.281	1.92
4/27/2025 11:00	-0.03	1.43	100.0	26.80	2.77	40.30	715	800	696	-5.00	1212	1090	-5	62.4	0.279	1.90
4/27/2025 11:15	-0.03	1.43	100.0	26.75	2.78	40.17	715	799	709	-5.00	1177	1093	-5	64.3	0.298	2.04
4/27/2025 11:30	-0.03	1.43	100.0	29.39	3.12	40.30	707	802	714	-5.00	1253	1071	-5	64.3	0.298	2.03
4/27/2025 11:45	-0.03	1.43	100.0	20.28	2.59	40.50	699	804	721	-5.00	1230	1051	-5	64.4	0.299	2.04
4/27/2025 12:00	-0.03	1.42	100.0	32.06	3.26	40.99	702	804	718	-5.00	1239	1061	-5	66.1	0.317	2.16
4/27/2025 12:15	-0.03	1.42	100.0	27.27	2.80	40.92	694	805	728	-5.00	1289	1066	-5	65.8	0.314	2.14
4/27/2025 12:30	-0.03	1.42	100.0	16.41	2.76	41.10	693	800	725	-5.00	1312	1055	-5	65.8	0.314	2.14
4/27/2025 12:45	-0.03	1.42	100.0	28.47	3.14	40.81	707	800	721	-5.00	1266	1084	-5	67.5	0.333	2.27
4/27/2025 13:00	-0.03	1.41	100.0	27.14	2.77	40.73	704	804	721	-5.00	1280	1056	-5	67.8	0.337	2.30
4/27/2025 13:15	-0.03	1.41	100.0	28.71	3.00	41.06	709	804	722	-5.00	1248	1067	-5	68.3	0.343	2.34
4/27/2025 13:30	-0.03	1.41	100.0	23.42	2.83	41.66	725	800	698	-5.00	1175	1103	-5	68.5	0.345	2.35
4/27/2025 13:45	-0.03	1.41	100.0	25.61	2.91	41.55	715	805	718	-5.00	1271	1070	-5	67.0	0.327	2.23
4/27/2025 14:00	-0.03	1.40	100.0	26.79	2.97	41.03	723	801	715	-5.00	1183	1078	-5	68.9	0.349	2.38
4/27/2025 14:15	-0.03	1.39	100.0	30.87	3.01	41.11	729	792	715	-5.00	1179	1075	-5	68.7	0.347	2.37
4/27/2025 14:30	-0.03	1.39	100.0	26.03	2.89	41.33	715	801	724	-5.00	1213	1037	-5	68.5	0.344	2.35
4/27/2025 14:45	-0.03	1.39	100.0	32.50	2.94	41.40	720	804	723	-5.00	1266	1063	-5	69.0	0.351	2.39
4/27/2025 15:00	-0.03	1.39	100.0	29.89	2.98	41.52	732	802	719	-5.00	1220	1073	-5	69.2	0.353	2.41
4/27/2025 15:15	-0.03	1.39	100.0	27.25	2.95	41.67	720	804	727	-5.00	1252	1077	-5	68.3	0.342	2.33
4/27/2025 15:30	-0.03	1.38	100.0	27.56	3.00	41.60	729	799	723	-5.00	1186	1052	-5	70.3	0.366	2.50
4/27/2025 15:45	-0.03	1.38	100.0	25.78	2.96	41.91	730	806	731	-5.00	1243	1050	-5	69.8	0.360	2.46
4/27/2025 16:00	-0.03	1.37	100.0	24.96	2.81	41.80	727	809	735	-5.00	1291	1062	-5	69.8	0.361	2.46
4/27/2025 16:15	-0.03	1.37	100.0	28.05	2.99	41.55	728	810	735	-5.00	1290	1060	-5	68.6	0.346	2.36
4/27/2025 16:30	-0.03	1.37	100.0	25.68	2.79	40.88	737	806	727	-5.00	1259	1072	-5	68.4	0.344	2.35
4/27/2025 16:45	-0.03	1.37	100.0	24.03	2.82	41.23	746	812	731	-5.00	1192	1101	-5	68.7	0.347	2.37
4/27/2025 17:00	-0.03	1.36	100.0	26.11	2.95	41.27	745	814	729	-5.00	1145	1112	-5	68.1	0.340	2.32
4/27/2025 17:15	-0.03	1.36	100.0	25.76	2.95	40.63	752	811	724	-5.00	1181	1110	-5	68.6	0.346	2.36
4/27/2025 17:30	-0.03	1.35	100.0	21.92	2.74	40.31	752	815	730	-5.00	1141	1112	-5	69.5	0.357	2.44
4/27/2025 17:45	-0.03	1.35	100.0	29.30	2.67	40.64	754	817	721	-5.00	1130	1125	-5	71.1	0.377	2.57
4/27/2025 18:00	-0.03	1.35	100.0	25.44	2.93	40.87	752	821	733	-5.00	1144	1118	-5	72.5	0.395	2.70
4/27/2025 18:15	-0.03	1.35	100.0	18.56	2.73	40.83	756	817	731	-5.00	1178	1110	-5	69.3	0.355	2.42
4/27/2025 18:30	-0.03	1.34	100.0	36.13	3.22	41.11	750	820	733	-5.00	1156	1105	-5	71.7	0.384	2.62
4/27/2025 18:45	-0.03	1.34	100.0	26.68	2.90	41.48	755	819	731	-5.00	1121	1116	-5	71.6	0.383	2.61
4/27/2025 19:00	-0.03	1.34	100.0	36.66	3.00	41.30	748	818	730	-5.00	1088	1129	-5	71.0	0.376	2.57
4/27/2025 19:15	-0.03	1.34	100.0	26.65	2.75	41.37	755	816	746	-5.00	1112	1136	-5	70.0	0.363	2.48
4/27/2025 19:30	-0.03	1.34	100.0	30.90	3.02	41.21	746	815	747	-5.00	1090	1136	-5	68.3	0.342	2.34
4/27/2025 19:45	-0.03	1.33	100.0	27.03	2.88	41.30	747	811	752	-5.00	1094	1133	-5	66.2	0.318	2.17
4/27/2025 20:00	-0.03	1.34	100.0	28.01	2.84	41.05	750	812	744	-5.00	1086	1133	-5	63.9	0.294	2.00
4/27/2025 20:15	-0.03	1.35	100.0	33.93	3.27	39.90	747	810	757	-5.00	1096	1126	-5	62.4	0.279	1.90
4/27/2025 20:30	-0.03	1.32	100.0	25.19	2.76	41.39	736	811	775	-5.00	1075	1146	-5	61.6	0.271	1.85
4/27/2025 20:45	-0.03	1.33	100.0	27.57	2.95	41.54	752	810	755	-5.00	1091	1137	-5	60.7	0.262	1.79
4/27/2025 21:00	-0.04	1.33	100.0	24.93	2.93	41.50	751	810	759	-5.00	1096	1112	-5	59.9	0.256	1.74
4/27/2025 21:15	-0.03	1.33	100.0	24.11	2.86	41.14	753	809	749	-5.00	1108	1098	-5	59.2	0.249	1.70
4/27/2025 21:30	-0.04	1.33	100.0	22.43	2.64	41.13	746	809	778	-5.00	1101	1105	-5	58.7	0.245	1.67
4/27/2025 21:45	-0.04	1.32	100.0	26.11	2.39	39.44	754	815	777	-5.00	1115	1108	-5	58.3	0.241	1.65
4/27/2025 22:00	-0.04	1.32	100.0	22.69	2.41	39.03	756	814	765	-5.00	1115	1087	-5	57.8	0.236	1.61
4/27/2025 22:15	-0.03	1.31	100.0	32.90	2.98	38.67	752	807	795	-5.00	1107	1112	-5	56.9	0.229	1.56
4/27/2025 22:30	-0.03	1.31	100.0	32.24	2.91	38.69	758	800	792	-5.00	1105	1115	-5	56.1	0.222	1.52
4/27/2025 22:45	-0.03	1.31	100.0	31.60	3.28	38.80	760	811	784	-5.00	1116	1104	-5	55.7	0.220	1.50
4/27/2025 23:00	-0.03	1.31	100.0	22.98	2.81	38.57	758	804	785	-5.00	1127	1101	-5	55.0	0.214	1.46
4/27/2025 23:15	-0.03	1.31	100.0	27.02	2.56	38.34	759	801	784	-5.00	1126	1095	-5	54.6	0.210	1.44
4/27/2025 23:30	-0.03	1.30	100.0	32.32	2.98	37.90	753	799	787	-5.00	1101	1115	-5	54.3	0.208	1.42
4/27/2025 23:45	-0.03	1.31	100.0	23.90	2.31	37.21	749	798	794	-5.00	1094	1126	-5	53.7	0.204	1.39
4/28/2025 0:00	-0.03	1.30	100.0	23.76	3.03	35.68	753	797	804	-5.00	1086	1139	-5	53.1	0.200	1.36
4/28/2025 0:15	-0.03	1.30	100.0	37.34	3.17	36.13	748	799	791	-5.00	1082	1150	-5	52.7	0.197	1.34
4/28/2025 0:30	-0.03	1.29	100.0	37.44	3.16	35.78	789	811	771	-5.00	1092	1160	-5	53.3	0.201	1.37
4/28/2025 0:45	-0.03	1.29	100.0	30.25	2.55	35.70	778	809	787	-5.00	1092	1159	-5	52.8	0.197	1.35
4/28/2025 1:00	-0.03	1.29	100.0	29.19	2.61	36.14	787	826	804	-5.00	1091	1169	-5	52.2	0.193	1.31
4/28/2025 1:15	-0.03	1.29	100.0	28.96	2.72	36.05	781	828	816	-5.00	1095	1181	-5	51.9	0.191	1.30
4/28/2025 1:30	-0.03	1.28	100.0	28.77	2.95	35.44	799	821	811	-5.00	1090	1158	-5	51.4	0.187	1.28
4/28/2025 1:45	-0.04	1.28	100.0	23.16	2.47	34.74	804	822	806	-5.00	1106	1167	-5	51.4	0.187	1.28
4/28/2025 2:00	-0.04	1.28	100.0	26.55	2.48	35.07	797	824	791	-5.00	1094	1180	-5	50.7	0.182	1.24
4/28/2025 2:15	-0.04	1.28	100.0	19.27	2.27	35.31	779	831	820	-5.00	1106	1187	-5	49.4	0.174	1.18
4/28/2025 2:30	-0.04	1.28	100.0	23.00	2.48	35.52	763	831	801	-5.00	1105	1190	-5	48.5	0.168	1.15
4/28/2025 2:45	-0.04	1.28	100.0	21.37	2.25	35.19	795	783	781	-5.00	1096	1166	-5	48.2	0.166	1.13
4/28/2025 3:00	-0.04	1.28	100.0	32.46	2.95	35.54	827	766	802	-5.00	1094	1143	-5	48.6	0.169	1.15
4/28/2025 3:15	-0.04	1.28	100.0	27.47	3.03	35.24	804	797	803	-5.00	1093	1163	-5	47.9	0.164	1.12
4/28/2025 3:30	-0.04	1.28	100.0	33.47	3.11	35.37	802	813	810	-5.00	1103	1177	-5	48.6	0.169	1.15
4/28/2025 3:45	-0.04	1.29	100.0	32.94	2.86	35.09	811	808	825	-5.00	1105	1171	-5	47.4	0.161	1.10
4/28/2025 4:00	-0.04	1.28	100.0	12.73	2.08	35.37	822	711	799	-5.00	1104	1119	-5	47.9	0.165	1.12
4/28/2025 4:15	-0.04	1.28	100.0	27.42	2.87	34.91	817	759	798	-5.00	1087	1130	-5	47.6	0.162	1.11
4/28/2025 4:30	-0.04	1.29	100.0	27.84	3.86	35.48	822	724	797	-5.00	1088	1125	-5	47.6	0.163	1.11
4/28/2025 4:45	-0.04	1.29	100.0	32.39	3.03	35.77	807	748	800	-5.00	1091	1157	-5	47.6	0.162	1.11
4/28/2025 5:00	-0.04	1.29	100.0	28.82	2.80	35.94	812	712	795	-5.00	1088	1138	-5	47.5	0.162	1.10
4/28/2025 5:15	-0.04	1.29	100.0	31.32	2.88	36.63	787	760	801	-5.00	1099	1190	-5	46.7	0.157	1.07
4/28/2025 5:30	-0.04	1.29	100.0	24.77	2.62	36.58	803	772	816	-5.00	1106	1188	-5	46.3	0.154	1.05
4/28/2025 5:45	-0.04	1.30	100.0	28.42	2.78	36.77	801	758	799	-5.00	1099	1156	-5	46.6	0.156	1.07
4/28/2025 6:00	-0.04	1.30	100.0	32.09	3.05	36.16	807	718	803	-5.00	1099	1161	-5	45.6	0.151	1.03
4/28/2025 6:15	-0.04	1.30	100.0	31.31	2.66	36.69	787	785	796	-5.00	1098	1171	-5	46.7	0.157	1.07
4/28/2025 6:30	-0.04	1.30	100.0	22.00	2.54	36.55	775	800	790	-5.00	1100	1199	-5	47.3	0.161	1.10
4/28/2025 6:45	-0.04	1.31	100.0	33.39	2.76	37.13	784	799	781	-5.00	1091	1198	-5	46.1	0.153	1.05
4/28/2025 7:00	-0.04	1.32	100.0	27.94	2.95	36.16	781	795	813	-5.00	1098	1194	-5	46.7	0.157	1.07
4/28/2025 7:15	-0.04	1.32	100.0	28.65	3.38	37.04	775	818	818	-5.00	1103	1207	-5	49.0	0.171	1.17
4/28/2025 7:30	-0.04	1.32	100.0	23.12	2.90	36.66	753	819	808	-5.00	1101	1206	-5	50.2	0.179	1.22
4/28/2025 7:45	-0.04	1.32	100.0	32.07	3.09	36.72	755	817	811	-5.00	1103	1189	-5	53.2	0.200	1.37
4/28/2025 8:00	-0.04	1.32	100.0	27.68	2.63	36.99	768	827	797	-5.00	1099	1185	-5	54.0	0.206	1.41
4/28/2025 8:15	-0.04	1.33	100.0	31.25	2.75	37.06	763	819	749	-5.00	1089	1174	-5	54.6	0.211	1.44
4/28/2025 8:30	-0.04	1.33	100.0	27.75	2.22	37.36	755	789	778	-5.00	1092	1165	-5	57.4	0.234	1.60
4/28/2025 8:45	-0.04	1.33	100.0	35.38	3.52	37.58	767	807	701	-5.00	1071	1160	-5	60.8	0.264	1.80
4/28/2025 9:00	-0.04	1.33	100.0	27.09	2.77	37.76	760	808	685	-5.00	1079	1157	-5	60.5	0.261	1.78
4/28/2025 9:15	-0.04	1.34	100.0	33.18	2.71	37.74	766	824	707	-5.00	1083	1158	-5	60.1	0.257	1.76
4/28/2025 9:30	-0.04	1.34	100.0	35.16	2.68	37.27	754	798	683	-5.00	1051	1177	-5	58.1	0.239	1.63
4/28/2025 9:45	-0.04	1.34	100.0	32.94	2.56	37.17	750	788	657	-5.00	1038	1182	-5	58.3	0.241	1.64
4/28/2025 10:00	-0.04	1.33	100.0	39.13	3.43	36.62	746	777	656	-5.00	1040	1162	-5	59.6	0.253	1.73
4/28/2025 10:15	-0.04	1.33	100.0	24.19	2.73	36.87	745	779	669	-5.00	1031	1150	-5	58.5	0.243	1.66
4/28/2025 10:30	-0.04	1.33	100.0	25.18	2.70	37.44	753	774	730	-5.00	1063	1180	-5	56.6	0.227	1.55
4/28/2025 10:45	-0.04	1.33	100.0	25.03	2.70	36.95	748	778	682	-5.00	1049	1176	-5	56.4	0.225	1.53
4/28/2025 11:00	-0.03	1.33	100.0	27.93	2.81	37.51	742	773	654	-5.00	1036	1165	-5	57.0	0.230	1.57
4/28/2025 11:15	-0.03	1.32	100.0	33.81	3.09	37.63	749	775	669	-5.00	1055	1175	-5	56.9	0.229	1.56
4/28/2025 11:30	-0.03	1.32	100.0	30.97	2.93	37.40	745	776	723	-5.00	1060	1189	-5	55.4	0.217	1.48
4/28/2025 11:45	-0.03	1.32	100.0	27.75	2.73	37.62	702	760	778	-5.00	1054	1184	-5	56.3	0.225	1.53
4/28/2025 12:00	-0.03	1.31	100.0	33.00	3.44	37.14	688	761	795	-5.00	1050	1186	-5	57.3	0.232	1.58
4/28/2025 12:15	-0.03	1.31	100.0	22.85	2.41	37.59	687	759	797	-5.00	1049	1184	-5	58.1	0.239	1.63
4/28/2025 12:30	-0.03	1.30	100.0	26.51	2.69	37.53	675	762	805	-5.00	1046	1183	-5	57.8	0.237	1.62
4/28/2025 12:45	-0.03	1.30	100.0	25.75	2.81	37.47	668	788	759	-5.00	1038	1167	-5	54.9	0.213	1.46
4/28/2025 13:00	-0.03	1.30	100.0	28.68	2.69	37.85	666	795	740	-5.00	1039	1160	-5	54.9	0.213	1.45
4/28/2025 13:15	-0.03	1.29	100.0	28.49	2.93	38.05	667	781	779	-5.00	1039	1176	-5	56.8	0.228	1.56
4/28/2025 13:30	-0.03	1.29	100.0	33.92	3.53	38.92	665	784	772	-5.00	1037	1175	-5	56.1	0.223	1.52
4/28/2025 13:45	-0.03	1.29	100.0	31.51	3.35	38.46	664	792	759	-5.00	1034	1167	-5	53.3	0.201	1.37
4/28/2025 14:00	-0.03	1.29	100.0	36.65	3.77	38.36	669	801	736	-5.00	1041	1161	-5	53.2	0.200	1.37
4/28/2025 14:15	-0.03	1.29	100.0	29.84	2.87	38.86	667	795	753	-5.00	1040	1163	-5	53.3	0.201	1.37
4/28/2025 14:30	-0.04	1.29	100.0	27.94	2.98	39.23	670	790	779	-5.00	1042	1176	-5	52.9	0.198	1.35
4/28/2025 14:45	-0.04	1.28	100.0	25.61	2.74	39.29	673	782	779	-5.00	1042	1170	-5	52.7	0.197	1.34
4/28/2025 15:00	-0.04	1.28	100.0	26.51	2.93	39.25	677	792	765	-5.00	1044	1164	-5	52.2	0.193	1.32
4/28/2025 15:15	-0.04	1.28	100.0	28.88	2.90	39.24	688	785	777	-5.00	1043	1135	-5	52.4	0.194	1.33
4/28/2025 15:30	-0.04	1.28	100.0	23.98	2.65	39.25	689	797	757	-5.00	1045	1123	-5	51.9	0.190	1.30
4/28/2025 15:45	-0.04	1.28	100.0	25.51	3.01	39.21	692	797	746	-5.00	1041	1120	-5	51.5	0.188	1.28
4/28/2025 16:00	-0.04	1.28	100.0	27.63	2.84	39.27	696	788	754	-5.00	1047	1111	-5	50.8	0.184	1.25
4/28/2025 16:15	-0.04	1.28	100.0	27.94	2.84	38.96	700	792	755	-5.00	1047	1106	-5	51.2	0.186	1.27
4/28/2025 16:30	-0.04	1.27	100.0	23.93	2.56	39.17	696	798	754	-5.00	1046	1121	-5	50.4	0.181	1.23
4/28/2025 16:45	-0.04	1.27	100.0	25.66	2.86	38.97	700	798	757	-5.00	1043	1117	-5	51.2	0.186	1.27
4/28/2025 17:00	-0.04	1.27	100.0	29.30	2.95	38.96	708	801	760	-5.00	1046	1117	-5	51.5	0.188	1.28
4/28/2025 17:15	-0.04	1.27	100.0	29.09	2.66	38.82	708	790	780	-5.00	1048	1116	-5	51.7	0.189	1.29
4/28/2025 17:30	-0.04	1.27	100.0	31.71	3.33	39.06	706	792	776	-5.00	1054	1129	-5	52.5	0.195	1.33
4/28/2025 17:45	-0.04	1.27	100.0	28.68	3.09	39.55	708	794	784	-5.00	1051	1121	-5	54.9	0.213	1.45
4/28/2025 18:00	-0.04	1.27	100.0	31.44	2.71	39.56	708	796	776	-5.00	1049	1118	-5	55.5	0.218	1.49
4/28/2025 18:15	-0.04	1.27	100.0	27.51	2.74	39.47	708	803	766	-5.00	1048	1114	-5	52.0	0.192	1.31
4/28/2025 18:30	-0.04	1.27	100.0	27.25	2.96	39.62	709	806	787	-5.00	1049	1116	-5	54.2	0.207	1.41
4/28/2025 18:45	-0.04	1.26	100.0	26.27	2.71	39.11	714	805	789	-5.00	1049	1123	-5	55.0	0.214	1.46
4/28/2025 19:00	-0.04	1.27	100.0	27.68	2.67	39.32	715	805	788	-5.00	1051	1119	-5	53.5	0.202	1.38
4/28/2025 19:15	-0.04	1.26	100.0	30.00	3.07	38.55	713	801	777	-5.00	1046	1120	-5	51.3	0.187	1.27
4/28/2025 19:30	-0.04	1.27	100.0	27.03	2.78	39.13	710	804	762	-5.00	1039	1119	-5	50.0	0.178	1.22
4/28/2025 19:45	-0.04	1.27	100.0	29.55	2.79	39.49	708	803	757	-5.00	1045	1119	-5	48.8	0.170	1.16
4/28/2025 20:00	-0.04	1.27	100.0	25.46	2.85	39.96	722	801	793	-5.00	1054	1119	-5	48.4	0.167	1.14
4/28/2025 20:15	-0.04	1.27	100.0	20.74	2.63	40.03	720	802	802	-5.00	1054	1133	-5	48.3	0.167	1.14
4/28/2025 20:30	-0.04	1.27	100.0	27.60	2.74	39.75	728	797	809	-5.00	1056	1125	-5	48.1	0.166	1.13
4/28/2025 20:45	-0.04	1.28	100.0	31.03	2.73	39.78	719	799	794	-5.00	1044	1128	-5	48.4	0.167	1.14
4/28/2025 21:00	-0.04	1.28	100.0	23.95	2.52	39.89	721	799	813	-5.00	1047	1125	-5	48.4	0.167	1.14
4/28/2025 21:15	-0.04	1.28	100.0	26.54	2.87	40.02	715	800	804	-5.00	1044	1135	-5	48.6	0.168	1.15
4/28/2025 21:30	-0.04	1.29	100.0	25.79	2.96	39.86	714	802	791	-5.00	1040	1133	-5	48.9	0.170	1.16
4/28/2025 21:45	-0.04	1.29	100.0	35.16	2.91	39.80	712	801	799	-5.00	1040	1130	-5	48.7	0.169	1.15
4/28/2025 22:00	-0.04	1.29	100.0	29.47	2.63	39.62	706	803	792	-5.00	1036	1138	-5	48.9	0.170	1.16
4/28/2025 22:15	-0.04	1.30	100.0	27.74	2.74	39.70	703	804	794	-5.00	1035	1143	-5	48.9	0.171	1.16
4/28/2025 22:30	-0.04	1.30	100.0	27.12	2.78	39.94	702	801	799	-5.00	1035	1143	-5	48.7	0.169	1.16
4/28/2025 22:45	-0.04	1.30	100.0	28.99	2.70	39.55	697	803	793	-5.00	1033	1157	-5	48.7	0.169	1.15
4/28/2025 23:00	-0.04	1.31	100.0	22.40	2.74	40.11	703	806	781	-5.00	1035	1141	-5	48.2	0.166	1.15

Calculated Data: Flare Gas Composition / Property Calculations / ZTOF (36Inch Flare, 24Inch Flare and Pit Flare columns: Flare Not Active This Event)

	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flammibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
																		LFLvg	NHVvg			NHVcz-limit		1					NHVcz			
	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/27/2025 2:30	0.38	0.00	49.95	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1214	13.33	47.83	339.6	400	1	4529	128972	4193	88326	723	0.06	9.18	9.18
4/27/2025 2:45	0.38	0.00	49.95	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1214	13.33	47.83	339.6	400	1	4529	128971	4193	88326	723	0.06	9.18	9.18
4/27/2025 3:00	0.38	0.00	49.95	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1214	13.33	47.83	339.6	400	1	4529	128975	4193	88326	723	0.06	9.18	9.18
4/27/2025 3:15	0.38	0.00	49.96	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128979	4193	88326	723	0.06	9.18	9.18
4/27/2025 3:30	0.38	0.00	49.96	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128984	4193	88326	723	0.06	9.18	9.18
4/27/2025 3:45	0.38	0.00	49.96	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128984	4193	88326	723	0.06	9.18	9.18
4/27/2025 4:00	0.38	0.00	49.95	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1214	13.33	47.83	339.6	400	1	4529	128975	4193	88326	723	0.06	9.18	9.18
4/27/2025 4:15	0.38	0.00	49.96	0.00	0.42	0.00	1.01	37.08	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128983	4193	88326	723	0.06	9.18	9.18
4/27/2025 4:30	0.38	0.00	49.97	0.00	0.42	0.00	1.01	37.09	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128990	4193	88326	723	0.06	9.18	9.18
4/27/2025 4:45	0.38	0.00	49.97	0.00	0.42	0.00	1.01	37.09	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128993	4193	88326	723	0.06	9.18	9.18
4/27/2025 5:00	0.38	0.00	49.97	0.00	0.42	0.00	1.01	37.09	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128992	4193	88326	723	0.06	9.18	9.18
4/27/2025 5:15	0.38	0.00	49.98	0.00	0.42	0.00	1.01	37.10	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128999	4193	88326	723	0.06	9.19	9.19
4/27/2025 5:30	0.38	0.00	49.99	0.00	0.42	0.00	1.01	37.10	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.32	47.83	339.6	400	1	4529	129011	4193	88326	724	0.06	9.19	9.19
4/27/2025 5:45	0.38	0.00	49.99	0.00	0.42	0.00	1.01	37.11	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.32	47.83	339.6	400	1	4529	129014	4193	88326	724	0.06	9.19	9.19
4/27/2025 6:00	0.38	0.00	50.00	0.00	0.42	0.00	1.01	37.11	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1216	13.32	47.83	339.6	400	1	4529	129018	4193	88326	724	0.06	9.19	9.19
4/27/2025 6:15	0.38	0.00	49.99	0.00	0.42	0.00	1.01	37.11	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1216	13.32	47.83	339.6	400	1	4529	129016	4193	88326	724	0.06	9.19	9.19
4/27/2025 6:30	0.38	0.00	49.96	0.00	0.42	0.00	1.01	37.09	2.19	2.10	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1215	13.33	47.83	339.6	400	1	4529	128987	4193	88326	723	0.06	9.18	9.18
4/27/2025 6:45	0.38	0.00	49.91	0.00	0.42	0.00	1.01	37.05	2.19	2.09	0.00	1.75	1.40	0.00	1.19	0.52	0.98	0.04	1213	13.33	47.83	339.6	400	1	4529	128932	4193	88326	722	0.06	9.17	9.17
4/27/2025 7:00	0.38	0.00	49.87	0.00	0.42	0.00	1.01	37.01	2.18	2.09	0.00	1.75	1.40	0.00	1.18	0.52	0.98	0.04	1212	13.34	47.83	339.6	400	1	4529	128890	4193	88326	722	0.06	9.16	9.16
4/27/2025 7:15	0.38	0.00	49.82	0.00	0.42	0.00	1.01	36.98	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1211	13.34	47.83	339.6	400	1	4529	128846	4193	88326	721	0.06	9.15	9.15
4/27/2025 7:30	0.38	0.00	49.81	0.00	0.42	0.00	1.01	36.97	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1211	13.34	47.83	339.6	400	1	4529	128832	4193	88326	721	0.06	9.14	9.14
4/27/2025 7:45	0.38	0.00	49.79	0.00	0.42	0.00	1.01	36.96	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1211	13.35	47.83	339.6	400	1	4529	128816	4193	88326	720	0.06	9.14	9.14
4/27/2025 8:00	0.38	0.00	49.75	0.00	0.42	0.00	1.01	36.93	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1210	13.35	47.83	339.6	400	1	4529	128778	4193	88326	720	0.06	9.13	9.13
4/27/2025 8:15	0.38	0.00	49.74	0.00	0.42	0.00	1.01	36.92	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1209	13.35	47.83	339.6	400	1	4529	128762	4193	88326	719	0.06	9.13	9.13
4/27/2025 8:30	0.38	0.00	49.70	0.00	0.42	0.00	1.01	36.89	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1208	13.35	47.83	339.6	400	1	4529	128727	4193	88326	719	0.06	9.12	9.12
4/27/2025 8:45	0.38	0.00	49.68	0.00	0.42	0.00	1.01	36.87	2.18	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1208	13.36	47.83	339.6	400	1	4529	128701	4193	88326	718	0.06	9.11	9.11
4/27/2025 9:00	0.38	0.00	49.69	0.00	0.42	0.00	1.01	36.88	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1208	13.36	47.83	339.6	400	1	4529	128710	4193	88326	719	0.06	9.11	9.11
4/27/2025 9:15	0.38	0.00	49.66	0.00	0.42	0.00	1.01	36.86	2.18	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128681	4193	88326	718	0.06	9.10	9.10
4/27/2025 9:30	0.38	0.00	49.64	0.00	0.42	0.00	1.01	36.85	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128666	4193	88326	718	0.06	9.10	9.10
4/27/2025 9:45	0.38	0.00	49.63	0.00	0.42	0.00	1.01	36.84	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128656	4193	88326	718	0.06	9.10	9.10
4/27/2025 10:00	0.38	0.00	49.58	0.00	0.42	0.00	1.00	36.80	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.97	0.04	1205	13.37	47.83	339.6	400	1	4529	128600	4193	88326	717	0.06	9.08	9.08
4/27/2025 10:15	0.38	0.00	49.55	0.00	0.42	0.00	1.00	36.78	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1205	13.37	47.83	339.6	400	1	4529	128572	4193	88326	716	0.06	9.08	9.08
4/27/2025 10:30	0.38	0.00	49.55	0.00	0.42	0.00	1.00	36.78	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1205	13.37	47.83	339.6	400	1	4529	128574	4193	88326	716	0.06	9.08	9.08
4/27/2025 10:45	0.38	0.00	49.52	0.00	0.42	0.00	1.00	36.76	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1204	13.37	47.83	339.6	400	1	4529	128543	4193	88326	716	0.06	9.07	9.07
4/27/2025 11:00	0.38	0.00	49.53	0.00	0.42	0.00	1.00	36.77	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1204	13.37	47.83	339.6	400	1	4529	128551	4193	88326	716	0.06	9.07	9.07
4/27/2025 11:15	0.38	0.00	49.47	0.00	0.42	0.00	1.00	36.72	2.17	2.08	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1203	13.38	47.83	339.6	400	1	4529	128483	4193	88326	715	0.06	9.06	9.06
4/27/2025 11:30	0.38	0.00	49.47	0.00	0.42	0.00	1.00	36.72	2.17	2.08	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1203	13.38	47.83	339.6	400	1	4529	128484	4193	88326	715	0.06	9.06	9.06
4/27/2025 11:45	0.38	0.00	49.46	0.00	0.42	0.00	1.00	36.72	2.17	2.08	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1203	13.38	47.83	339.6	400	1	4529	128481	4193	88326	715	0.06	9.06	9.06
4/27/2025 12:00	0.38	0.00	49.40	0.00	0.42	0.00	1.00	36.67	2.16	2.07	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1201	13.39	47.83	339.6	400	1	4529	128419	4193	88326	714	0.06	9.04	9.04
4/27/2025 12:15	0.38	0.00	49.41	0.00	0.42	0.00	1.00	36.68	2.16	2.07	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1201	13.39	47.83	339.6	400	1	4529	128428	4193	88326	714	0.06	9.04	9.04
4/27/2025 12:30	0.38	0.00	49.41	0.00	0.42	0.00	1.00	36.68	2.16	2.07	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1201	13.39	47.83	339.6	400	1	4529	128429	4193	88326	714	0.06	9.04	9.04
4/27/2025 12:45	0.37	0.00	49.35	0.00	0.42	0.00	1.00	36.63	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.52	0.97	0.04	1200	13.39	47.83	339.6	400	1	4529	128362	4193	88326	713	0.06	9.03	9.03
4/27/2025 13:00	0.37	0.00	49.34	0.00	0.42	0.00	1.00	36.62	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.52	0.97	0.04	1200	13.39	47.83	339.6	400	1	4529	128348	4193	88326	713	0.06	9.02	9.02
4/27/2025 13:15	0.37	0.00	49.32	0.00	0.42	0.00	1.00	36.61	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128330	4193	88326	712	0.06	9.02	9.02
4/27/2025 13:30	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128321	4193	88326	712	0.06	9.02	9.02
4/27/2025 13:45	0.37	0.00	49.37	0.00	0.42	0.00	1.00	36.65	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.52	0.97	0.04	1200	13.39	47.83	339.6	400	1	4529	128384	4193	88326	713	0.06	9.03	9.03
4/27/2025 14:00	0.37	0.00	49.30	0.00	0.42	0.00	1.00	36.59	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128307	4193	88326	712	0.06	9.01	9.01
4/27/2025 14:15	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128314	4193	88326	712	0.06	9.01	9.01
4/27/2025 14:30	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128323	4193	88326	712	0.06	9.02	9.02
4/27/2025 14:45	0.37	0.00	49.29	0.00	0.42	0.00	1.00	36.59	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128301	4193	88326	712	0.06	9.01	9.01
4/27/2025 15:00	0.37	0.00	49.29	0.00	0.42	0.00	1.00	36.58	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128295	4193	88326	712	0.06	9.01	9.01
4/27/2025 15:15	0.37	0.00	49.32	0.00	0.42	0.00	1.00	36.61	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128331	4193	88326	712	0.06	9.02	9.02
4/27/2025 15:30	0.37	0.00	49.24	0.00	0.42	0.00	1.00	36.55	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1197	13.40	47.83	339.6	400	1	4529	128246	4193	88326	711	0.06	9.00	9.00
4/27/2025 15:45	0.37	0.00	49.26	0.00	0.42	0.00	1.00	36.57	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128268	4193	88326	712	0.06	9.00	9.00
4/27/2025 16:00	0.37	0.00	49.26	0.00	0.42	0.00	1.00	36.56	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128265	4193	88326	711	0.06	9.00	9.00
4/27/2025 16:15	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128317	4193	88326	712	0.06	9.01	9.01
4/27/2025 16:30	0.37	0.00	49.32	0.00	0.42	0.00	1.00	36.61	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128324	4193	88326	712	0.06	9.02	9.02
4/27/2025 16:45	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128315	4193	88326	712	0.06	9.01	9.01
4/27/2025 17:00	0.37	0.00	49.33	0.00	0.42	0.00	1.00	36.62	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.52	0.97	0.04	1199	13.39	47.83	339.6	400	1	4529	128340	4193	88326	713	0.06	9.02	9.02
4/27/2025 17:15	0.37	0.00	49.31	0.00	0.42	0.00	1.00	36.60	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128319	4193	88326	712	0.06	9.02	9.02
4/27/2025 17:30	0.37	0.00	49.27	0.00	0.42	0.00	1.00	36.57	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128279	4193	88326	712	0.06	9.01	9.01
4/27/2025 17:45	0.37	0.00	49.21	0.00	0.42	0.00	1.00	36.53	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1196	13.41	47.83	339.6	400	1	4529	128209	4193	88326	711	0.06	8.99	8.99
4/27/2025 18:00	0.37	0.00	49.15	0.00	0.42	0.00	1.00	36.48	2.15	2.06	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1195	13.41	47.83	339.6	400	1	4529	128144	4193	88326	710	0.06	8.97	8.97
4/27/2025 18:15	0.37	0.00	49.28	0.00	0.42	0.00	1.00	36.58	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1198	13.40	47.83	339.6	400	1	4529	128286	4193	88326	712	0.06	9.01	9.01
4/27/2025 18:30	0.37	0.00	49.18	0.00	0.42	0.00	1.00	36.51	2.15	2.06	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1196	13.41	47.83	339.6	400	1	4529	128184	4193	88326	710	0.06	8.98	8.98
4/27/2025 18:45	0.37	0.00	49.19	0.00	0.42	0.00	1.00	36.51	2.15	2.06	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1196	13.41	47.83	339.6	400	1	4529	128189	4193	88326	710	0.06	8.98	8.98
4/27/2025 19:00	0.37	0.00	49.21	0.00	0.42	0.00	1.00	36.53	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1196	13.41	47.83	339.6	400	1	4529	128212	4193	88326	711	0.06	8.99	8.99
4/27/2025 19:15	0.37	0.00	49.25	0.00	0.42	0.00	1.00	36.56	2.16	2.07	0.00	1.72	1.38	0.00	1.17	0.51	0.97	0.04	1197	13.40	47.83	339.6	400	1	4529	128258	4193	88326	711	0.06	9.00	9.00
4/27/2025 19:30	0.37	0.00	49.32	0.00	0.42	0.00	1.00	36.61	2.16	2.07	0.00	1.73	1.38	0.00	1.17	0.51	0.97	0.04	1199	13.40	47.83	339.6	400	1	4529	128330	4193	88326	712	0.06	9.02	9.02
4/27/2025 19:45	0.38	0.00	49.40	0.00	0.42	0.00	1.00	36.67	2.16	2.07	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1201	13.39	47.83	339.6	400	1	4529	128415	4193	88326	714	0.06	9.04	9.04
4/27/2025 20:00	0.38	0.00	49.48	0.00	0.42	0.00	1.00	36.73	2.17	2.08	0.00	1.73	1.39	0.00	1.17	0.52	0.97	0.04	1203	13.38	47.83	339.6	400	1	4529	128499	4193	88326	715	0.06	9.06	9.06
4/27/2025 20:15	0.38	0.00	49.53	0.00	0.42	0.00	1.00	36.76	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1204	13.37	47.83	339.6	400	1	4529	128550	4193	88326	716	0.06	9.07	9.07
4/27/2025 20:30	0.38	0.00	49.56	0.00	0.42	0.00	1.00	36.78	2.17	2.08	0.00	1.73	1.39	0.00	1.18	0.52	0.97	0.04	1205	13.37	47.83	339.6	400	1	4529	128577	4193	88326	716	0.06	9.08	9.08
4/27/2025 20:45	0.38	0.00	49.59	0.00	0.42	0.00	1.00	36.81	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.97	0.04	1206	13.37	47.83	339.6	400	1	4529	128608	4193	88326	717	0.06	9.09	9.09
4/27/2025 21:00	0.38	0.00	49.61	0.00	0.42	0.00	1.01	36.82	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.97	0.04	1206	13.36	47.83	339.6	400	1	4529	128630	4193	88326	717	0.06	9.09	9.09
4/27/2025 21:15	0.38	0.00	49.63	0.00	0.42	0.00	1.01	36.84	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128652	4193	88326	718	0.06	9.10	9.10
4/27/2025 21:30	0.38	0.00	49.64	0.00	0.42	0.00	1.01	36.85	2.17	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128666	4193	88326	718	0.06	9.10	9.10
4/27/2025 21:45	0.38	0.00	49.66	0.00	0.42	0.00	1.01	36.86	2.18	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1207	13.36	47.83	339.6	400	1	4529	128679	4193	88326	718	0.06	9.10	9.10
4/27/2025 22:00	0.38	0.00	49.67	0.00	0.42	0.00	1.01	36.87	2.18	2.08	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1208	13.36	47.83	339.6	400	1	4529	128695	4193	88326	718	0.06	9.11	9.11
4/27/2025 22:15	0.38	0.00	49.70	0.00	0.42	0.00	1.01	36.89	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1208	13.35	47.83	339.6	400	1	4529	128720	4193	88326	719	0.06	9.11	9.11
4/27/2025 22:30	0.38	0.00	49.72	0.00	0.42	0.00	1.01	36.90	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1209	13.35	47.83	339.6	400	1	4529	128742	4193	88326	719	0.06	9.12	9.12
4/27/2025 22:45	0.38	0.00	49.73	0.00	0.42	0.00	1.01	36.91	2.18	2.09	0.00	1.74	1.39	0.00	1.18	0.52	0.98	0.04	1209	13.35	47.83	339.6	400	1	4529	128752	4193	88326	719	0.06	9.12	9.12
4/27/2025 23:00	0.38	0.00	49.75	0.00	0.42	0.00	1.01	36.93	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1210	13.35	47.83	339.6	400	1	4529	128771	4193	88326	720	0.06	9.13	9.13
4/27/2025 23:15	0.38	0.00	49.76	0.00	0.42	0.00	1.01	36.93	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1210	13.35	47.83	339.6	400	1	4529	128783	4193	88326	720	0.06	9.13	9.13
4/27/2025 23:30	0.38	0.00	49.76	0.00	0.42	0.00	1.01	36.94	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1210	13.35	47.83	339.6	400	1	4529	128789	4193	88326	720	0.06	9.13	9.13
4/27/2025 23:45	0.38	0.00	49.78	0.00	0.42	0.00	1.01	36.95	2.18	2.09	0.00	1.74	1.40	0.00	1.18	0.52	0.98	0.04	1210	13.35	47.83	339.6	400	1	4529	128805	4193	88326	720	0.06	9.14	9.14
4/28/2025 0:00	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130895	4193	88326	685	0.06	8.90	8.90
4/28/2025 0:15	0.36	0.00	48.18	0.00	3.38	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130905	4193	88326	685	0.06	8.90	8.90
4/28/2025 0:30	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.41	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130891	4193	88326	685	0.06	8.89	8.89
4/28/2025 0:45	0.36	0.00	48.18	0.00	3.38	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130903	4193	88326	685	0.06	8.90	8.90
4/28/2025 1:00	0.36	0.00	48.19	0.00	3.38	0.00	0.96	37.43	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130920	4193	88326	685	0.06	8.90	8.90
4/28/2025 1:15	0.36	0.00	48.20	0.00	3.38	0.00	0.96	37.44	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130927	4193	88326	685	0.06	8.90	8.90
4/28/2025 1:30	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130940	4193	88326	685	0.06	8.91	8.91
4/28/2025 1:45	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130939	4193	88326	685	0.06	8.91	8.91
4/28/2025 2:00	0.36	0.00	48.23	0.00	3.38	0.00	0.96	37.46	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130957	4193	88326	686	0.06	8.91	8.91
4/28/2025 2:15	0.36	0.00	48.26	0.00	3.38	0.00	0.96	37.48	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	130988	4193	88326	686	0.06	8.92	8.92
4/28/2025 2:30	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131009	4193	88326	686	0.06	8.92	8.92
4/28/2025 2:45	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131015	4193	88326	687	0.06	8.92	8.92
4/28/2025 3:00	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131005	4193	88326	686	0.06	8.92	8.92
4/28/2025 3:15	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131021	4193	88326	687	0.06	8.92	8.92
4/28/2025 3:30	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131005	4193	88326	686	0.06	8.92	8.92
4/28/2025 3:45	0.36	0.00	48.30	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131032	4193	88326	687	0.06	8.93	8.93
4/28/2025 4:00	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131021	4193	88326	687	0.06	8.92	8.92
4/28/2025 4:15	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131028	4193	88326	687	0.06	8.93	8.93
4/28/2025 4:30	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131027	4193	88326	687	0.06	8.93	8.93
4/28/2025 4:45	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131029	4193	88326	687	0.06	8.93	8.93
4/28/2025 5:00	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131030	4193	88326	687	0.06	8.93	8.93
4/28/2025 5:15	0.36	0.00	48.31	0.00	3.38	0.00	0.96	37.53	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131048	4193	88326	687	0.06	8.93	8.93
4/28/2025 5:30	0.36	0.00	48.32	0.00	3.38	0.00	0.96	37.53	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131057	4193	88326	687	0.06	8.93	8.93
4/28/2025 5:45	0.36	0.00	48.31	0.00	3.38	0.00	0.96	37.53	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131050	4193	88326	687	0.06	8.93	8.93
4/28/2025 6:00	0.36	0.00	48.33	0.00	3.39	0.00	0.96	37.54	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131069	4193	88326	687	0.06	8.94	8.94
4/28/2025 6:15	0.36	0.00	48.31	0.00	3.38	0.00	0.96	37.53	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131048	4193	88326	687	0.06	8.93	8.93
4/28/2025 6:30	0.36	0.00	48.30	0.00	3.38	0.00	0.96	37.52	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131034	4193	88326	687	0.06	8.93	8.93
4/28/2025 6:45	0.36	0.00	48.32	0.00	3.39	0.00	0.96	37.53	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131060	4193	88326	687	0.06	8.93	8.93
4/28/2025 7:00	0.36	0.00	48.31	0.00	3.38	0.00	0.96	37.52	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1146	13.12	47.66	338.4	400	1	4529	131046	4193	88326	687	0.06	8.93	8.93
4/28/2025 7:15	0.36	0.00	48.26	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	130996	4193	88326	686	0.06	8.92	8.92
4/28/2025 7:30	0.36	0.00	48.24	0.00	3.38	0.00	0.96	37.47	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.80	0.04	1144	13.13	47.66	338.4	400	1	4529	130969	4193	88326	686	0.06	8.91	8.91
4/28/2025 7:45	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130892	4193	88326	685	0.06	8.89	8.89
4/28/2025 8:00	0.36	0.00	48.15	0.00	3.37	0.00	0.96	37.40	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130872	4193	88326	684	0.06	8.89	8.89
4/28/2025 8:15	0.36	0.00	48.13	0.00	3.37	0.00	0.96	37.39	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130854	4193	88326	684	0.06	8.89	8.89
4/28/2025 8:30	0.36	0.00	48.06	0.00	3.37	0.00	0.96	37.33	2.18	1.70	0.00	1.27	1.10	0.00	0.89	0.42	0.79	0.04	1140	13.15	47.66	338.4	400	1	4529	130769	4193	88326	683	0.06	8.87	8.87
4/28/2025 8:45	0.36	0.00	47.96	0.00	3.36	0.00	0.95	37.26	2.18	1.69	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1138	13.16	47.66	338.4	400	1	4529	130661	4193	88326	681	0.06	8.84	8.84
4/28/2025 9:00	0.36	0.00	47.97	0.00	3.36	0.00	0.95	37.26	2.18	1.69	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1138	13.16	47.66	338.4	400	1	4529	130671	4193	88326	681	0.06	8.84	8.84
4/28/2025 9:15	0.36	0.00	47.99	0.00	3.36	0.00	0.96	37.27	2.18	1.69	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1138	13.15	47.66	338.4	400	1	4529	130685	4193	88326	682	0.06	8.85	8.85
4/28/2025 9:30	0.36	0.00	48.04	0.00	3.37	0.00	0.96	37.32	2.18	1.70	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1140	13.15	47.66	338.4	400	1	4529	130752	4193	88326	683	0.06	8.86	8.86
4/28/2025 9:45	0.36	0.00	48.04	0.00	3.37	0.00	0.96	37.31	2.18	1.70	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1140	13.15	47.66	338.4	400	1	4529	130746	4193	88326	683	0.06	8.86	8.86
4/28/2025 10:00	0.36	0.00	48.00	0.00	3.36	0.00	0.96	37.28	2.18	1.70	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1139	13.15	47.66	338.4	400	1	4529	130701	4193	88326	682	0.06	8.85	8.85
4/28/2025 10:15	0.36	0.00	48.03	0.00	3.36	0.00	0.96	37.31	2.18	1.70	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1139	13.15	47.66	338.4	400	1	4529	130738	4193	88326	682	0.06	8.86	8.86
4/28/2025 10:30	0.36	0.00	48.08	0.00	3.37	0.00	0.96	37.35	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130797	4193	88326	683	0.06	8.87	8.87
4/28/2025 10:45	0.36	0.00	48.09	0.00	3.37	0.00	0.96	37.35	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130803	4193	88326	683	0.06	8.87	8.87
4/28/2025 11:00	0.36	0.00	48.07	0.00	3.37	0.00	0.96	37.34	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1140	13.14	47.66	338.4	400	1	4529	130786	4193	88326	683	0.06	8.87	8.87
4/28/2025 11:15	0.36	0.00	48.08	0.00	3.37	0.00	0.96	37.34	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1140	13.14	47.66	338.4	400	1	4529	130790	4193	88326	683	0.06	8.87	8.87
4/28/2025 11:30	0.36	0.00	48.12	0.00	3.37	0.00	0.96	37.37	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130832	4193	88326	684	0.06	8.88	8.88
4/28/2025 11:45	0.36	0.00	48.09	0.00	3.37	0.00	0.96	37.35	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130804	4193	88326	683	0.06	8.87	8.87
4/28/2025 12:00	0.36	0.00	48.07	0.00	3.37	0.00	0.96	37.34	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1140	13.14	47.66	338.4	400	1	4529	130778	4193	88326	683	0.06	8.87	8.87
4/28/2025 12:15	0.36	0.00	48.04	0.00	3.37	0.00	0.96	37.32	2.18	1.70	0.00	1.26	1.10	0.00	0.89	0.42	0.79	0.04	1140	13.15	47.66	338.4	400	1	4529	130752	4193	88326	683	0.06	8.86	8.86
4/28/2025 12:30	0.36	0.00	48.05	0.00	3.37	0.00	0.96	37.32	2.18	1.70	0.00	1.27	1.10	0.00	0.89	0.42	0.79	0.04	1140	13.15	47.66	338.4	400	1	4529	130759	4193	88326	683	0.06	8.86	8.86
4/28/2025 12:45	0.36	0.00	48.13	0.00	3.37	0.00	0.96	37.38	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130845	4193	88326	684	0.06	8.88	8.88
4/28/2025 13:00	0.36	0.00	48.13	0.00	3.37	0.00	0.96	37.38	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130846	4193	88326	684	0.06	8.88	8.88
4/28/2025 13:15	0.36	0.00	48.08	0.00	3.37	0.00	0.96	37.34	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1140	13.14	47.66	338.4	400	1	4529	130791	4193	88326	683	0.06	8.87	8.87
4/28/2025 13:30	0.36	0.00	48.10	0.00	3.37	0.00	0.96	37.36	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130811	4193	88326	684	0.06	8.88	8.88
4/28/2025 13:45	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.41	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130890	4193	88326	685	0.06	8.89	8.89
4/28/2025 14:00	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130893	4193	88326	685	0.06	8.89	8.89
4/28/2025 14:15	0.36	0.00	48.17	0.00	3.37	0.00	0.96	37.41	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130891	4193	88326	685	0.06	8.89	8.89
4/28/2025 14:30	0.36	0.00	48.18	0.00	3.37	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130900	4193	88326	685	0.06	8.90	8.90
4/28/2025 14:45	0.36	0.00	48.18	0.00	3.38	0.00	0.96	37.42	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130905	4193	88326	685	0.06	8.90	8.90
4/28/2025 15:00	0.36	0.00	48.19	0.00	3.38	0.00	0.96	37.43	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130918	4193	88326	685	0.06	8.90	8.90
4/28/2025 15:15	0.36	0.00	48.19	0.00	3.38	0.00	0.96	37.43	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130913	4193	88326	685	0.06	8.90	8.90
4/28/2025 15:30	0.36	0.00	48.20	0.00	3.38	0.00	0.96	37.44	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130927	4193	88326	685	0.06	8.90	8.90
4/28/2025 15:45	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130936	4193	88326	685	0.06	8.90	8.90
4/28/2025 16:00	0.36	0.00	48.22	0.00	3.38	0.00	0.96	37.46	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130952	4193	88326	686	0.06	8.91	8.91
4/28/2025 16:15	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130943	4193	88326	685	0.06	8.91	8.91
4/28/2025 16:30	0.36	0.00	48.23	0.00	3.38	0.00	0.96	37.46	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130963	4193	88326	686	0.06	8.91	8.91
4/28/2025 16:45	0.36	0.00	48.22	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130945	4193	88326	685	0.06	8.91	8.91
4/28/2025 17:00	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130937	4193	88326	685	0.06	8.90	8.90
4/28/2025 17:15	0.36	0.00	48.20	0.00	3.38	0.00	0.96	37.44	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130932	4193	88326	685	0.06	8.90	8.90
4/28/2025 17:30	0.36	0.00	48.19	0.00	3.38	0.00	0.96	37.43	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130912	4193	88326	685	0.06	8.90	8.90
4/28/2025 17:45	0.36	0.00	48.13	0.00	3.37	0.00	0.96	37.38	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130846	4193	88326	684	0.06	8.88	8.88
4/28/2025 18:00	0.36	0.00	48.11	0.00	3.37	0.00	0.96	37.37	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1141	13.14	47.66	338.4	400	1	4529	130829	4193	88326	684	0.06	8.88	8.88
4/28/2025 18:15	0.36	0.00	48.20	0.00	3.38	0.00	0.96	37.44	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1143	13.13	47.66	338.4	400	1	4529	130922	4193	88326	685	0.06	8.90	8.90
4/28/2025 18:30	0.36	0.00	48.15	0.00	3.37	0.00	0.96	37.40	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130867	4193	88326	684	0.06	8.89	8.89
4/28/2025 18:45	0.36	0.00	48.13	0.00	3.37	0.00	0.96	37.38	2.18	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.14	47.66	338.4	400	1	4529	130844	4193	88326	684	0.06	8.88	8.88
4/28/2025 19:00	0.36	0.00	48.16	0.00	3.37	0.00	0.96	37.41	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1142	13.13	47.66	338.4	400	1	4529	130885	4193	88326	685	0.06	8.89	8.89
4/28/2025 19:15	0.36	0.00	48.21	0.00	3.38	0.00	0.96	37.45	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.79	0.04	1144	13.13	47.66	338.4	400	1	4529	130942	4193	88326	685	0.06	8.91	8.91
4/28/2025 19:30	0.36	0.00	48.24	0.00	3.38	0.00	0.96	37.47	2.19	1.70	0.00	1.27	1.10	0.00	0.90	0.42	0.80	0.04	1144	13.13	47.66	338.4	400	1	4529	130972	4193	88326	686	0.06	8.91	8.91
4/28/2025 19:45	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131000	4193	88326	686	0.06	8.92	8.92
4/28/2025 20:00	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131011	4193	88326	686	0.06	8.92	8.92
4/28/2025 20:15	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131013	4193	88326	686	0.06	8.92	8.92
4/28/2025 20:30	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131016	4193	88326	687	0.06	8.92	8.92
4/28/2025 20:45	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131011	4193	88326	686	0.06	8.92	8.92
4/28/2025 21:00	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131011	4193	88326	686	0.06	8.92	8.92
4/28/2025 21:15	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131007	4193	88326	686	0.06	8.92	8.92
4/28/2025 21:30	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	130999	4193	88326	686	0.06	8.92	8.92
4/28/2025 21:45	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131004	4193	88326	686	0.06	8.92	8.92
4/28/2025 22:00	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131000	4193	88326	686	0.06	8.92	8.92
4/28/2025 22:15	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	130999	4193	88326	686	0.06	8.92	8.92
4/28/2025 22:30	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131003	4193	88326	686	0.06	8.92	8.92
4/28/2025 22:45	0.36	0.00	48.27	0.00	3.38	0.00	0.96	37.49	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131004	4193	88326	686	0.06	8.92	8.92
4/28/2025 23:00	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.50	2.19	1.70	0.00	1.27	1.11	0.00	0.90	0.42	0.80	0.04	1145	13.12	47.66	338.4	400	1	4529	131007	4193	88326	686	0.06	8.92	8.92

36Inch Flare (36inch Flare Active Estimate: 2.8), 24Inch Flare (24inch Flare Active Estimate: 3), Pit Flare (Pit Flare Active Estimate: 5.5): all cells shaded = Flare Not Active This Event.

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter	Flare Flow Meter	Flare Flow Meter	36inch Pilots	36inch Pilots	36inch Pilots	36inch Steam OP	24inch Pilots	24inch Pilots	24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
4/28/2025 23:15	-0.04	1.31	100.0	23.09	2.85	40.11	697	799	769	-5.00	1040	1141	-5	48.0
4/28/2025 23:30	-0.04	1.32	100.0	22.02	2.79	40.10	697	793	792	-5.00	1043	1146	-5	47.5
4/28/2025 23:45	-0.04	1.32	100.0	25.22	2.85	39.35	706	800	785	-5.00	1046	1142	-5	46.9
4/29/2025 0:00	-0.04	1.32	100.0	30.42	2.84	39.66	702	795	789	-5.00	1043	1142	-5	45.9
4/29/2025 0:15	-0.04	1.32	100.0	27.33	3.05	39.40	707	801	814	-5.00	1049	1141	-5	45.9
4/29/2025 0:30	-0.04	1.33	100.0	28.14	2.90	39.34	708	803	819	-5.00	1049	1148	-5	46.3
4/29/2025 0:45	-0.04	1.33	100.0	21.43	2.87	39.07	720	797	814	-5.00	1065	1142	-5	46.6
4/29/2025 1:00	-0.04	1.33	100.0	27.75	2.93	39.38	721	798	818	-5.00	1067	1144	-5	46.6
4/29/2025 1:15	-0.04	1.34	100.0	27.91	2.81	39.37	720	801	814	-5.00	1060	1142	-5	46.6
4/29/2025 1:30	-0.04	1.34	100.0	27.97	2.81	39.63	716	802	818	-5.00	1046	1149	-5	46.8
4/29/2025 1:45	-0.04	1.34	100.0	27.10	3.00	39.49	711	801	827	-5.00	1053	1156	-5	47.2
4/29/2025 2:00	-0.04	1.34	100.0	26.60	2.94	39.50	739	782	809	-5.00	1059	1165	-5	47.1
4/29/2025 2:15	-0.04	1.35	100.0	29.89	3.16	39.24	756	781	798	-5.00	1064	1162	-5	46.6
4/29/2025 2:30	-0.04	1.35	100.0	30.92	3.30	38.43	757	769	800	-5.00	1060	1160	-5	46.1
4/29/2025 2:45	-0.04	1.35	100.0	26.73	2.68	38.55	710	798	826	-5.00	1051	1157	-5	45.4
4/29/2025 3:00	-0.04	1.35	100.0	33.11	2.69	38.70	706	790	824	-5.00	1045	1159	-5	45.2
4/29/2025 3:15	-0.04	1.35	100.0	37.12	2.86	38.96	727	796	843	-5.00	1054	1157	-5	45.1
4/29/2025 3:30	-0.04	1.36	100.0	32.90	2.70	38.67	754	781	812	-5.00	1063	1160	-5	45.1
4/29/2025 3:45	-0.04	1.36	100.0	33.71	2.90	37.81	762	787	831	-5.00	1079	1166	-5	44.8
4/29/2025 4:00	-0.04	1.36	100.0	22.64	2.63	38.29	748	805	836	-5.00	1088	1169	-5	44.8
4/29/2025 4:15	-0.04	1.36	100.0	26.40	2.82	37.92	769	801	817	-5.00	1092	1177	-5	44.8
4/29/2025 4:30	-0.04	1.37	100.0	34.13	2.56	37.86	768	782	815	-5.00	1086	1174	-5	44.8
4/29/2025 4:45	-0.04	1.36	100.0	28.03	2.84	37.32	780	778	773	-5.00	1069	1165	-5	45.0
4/29/2025 5:00	-0.04	1.36	100.0	15.05	2.29	38.06	781	802	800	-5.00	1085	1172	-5	44.9
4/29/2025 5:15	-0.04	1.36	100.0	23.85	2.75	38.14	771	822	845	-5.00	1101	1184	-5	44.8
4/29/2025 5:30	-0.04	1.37	100.0	36.31	3.25	38.02	791	822	822	-5.00	1107	1187	-5	45.3
4/29/2025 5:45	-0.04	1.37	100.0	28.63	2.86	38.27	770	808	829	-5.00	1096	1180	-5	45.2
4/29/2025 6:00	-0.04	1.37	100.0	31.16	2.72	37.72	787	814	787	-5.00	1094	1172	-5	46.1
4/29/2025 6:15	-0.04	1.37	100.0	26.11	2.66	37.88	790	790	749	-5.00	1074	1155	-5	48.4
4/29/2025 6:30	-0.04	1.37	100.0	23.81	2.63	37.99	790	731	763	-5.00	1060	1097	-5	52.7
4/29/2025 6:45	-0.04	1.38	100.0	25.36	2.96	38.04	774	734	751	-5.00	1021	1063	-5	56.4
4/29/2025 7:00	-0.04	1.38	100.0	31.95	3.10	38.14	758	730	747	-5.00	1008	1044	-5	58.5
4/29/2025 7:15	0.04	1.38	100.0	28.12	2.98	38.65	737	728	752	-5.00	976	1018	-5	60.1
4/29/2025 7:30	0.06	1.38	100.0	20.56	2.64	38.44	750	735	743	-5.00	1009	1057	-5	59.1
4/29/2025 7:45	0.05	1.38	100.0	25.64	3.10	38.85	746	740	745	-5.00	1001	1032	-5	59.7
4/29/2025 8:00	0.05	1.38	100.0	23.23	2.94	38.82	738	739	752	-5.00	978	1025	-5	64.9
4/29/2025 8:15	0.06	1.38	100.0	34.83	3.21	38.03	745	741	743	-5.00	1002	1049	-5	65.0
4/29/2025 8:30	0.06	1.39	100.0	18.36	2.37	38.59	745	743	744	-5.00	1015	1064	-5	63.9
4/29/2025 8:45	0.06	1.39	100.0	27.48	2.97	38.23	746	741	745	-5.00	1014	1073	-5	61.4
4/29/2025 9:00	0.06	1.39	100.0	26.41	2.62	38.95	746	743	742	-5.00	1021	1069	-5	63.5
4/29/2025 9:15	0.03	1.39	100.0	24.69	2.70	38.37	742	742	745	-5.00	994	1037	-5	66.4
4/29/2025 9:30	0.01	1.39	100.0	24.76	2.65	38.77	736	739	749	-5.00	961	1008	-5	67.8
4/29/2025 9:45	0.01	1.39	100.0	29.41	2.79	39.27	738	740	747	-5.00	960	1018	-5	68.3
4/29/2025 10:00	0.01	1.39	100.0	28.44	2.72	39.03	743	738	748	-5.00	992	1053	-5	64.2
4/29/2025 10:15	0.01	1.39	100.0	26.47	2.62	39.32	741	739	749	-5.00	958	1008	-5	71.1
4/29/2025 10:30	0.01	1.39	100.0	27.47	2.62	39.60	740	746	746	-5.00	984	1061	-5	72.1
4/29/2025 10:45	0.01	1.39	100.0	44.67	3.20	39.18	740	744	747	-5.00	991	1081	-5	71.4
4/29/2025 11:00	0.01	1.38	100.0	25.40	2.50	39.16	748	738	755	-5.00	974	1078	-5	73.1
4/29/2025 11:15	0.01	1.39	100.0	21.16	2.73	39.08	773	757	745	-5.00	992	1034	-5	78.1
4/29/2025 11:30	0.01	1.39	100.0	22.82	2.60	39.29	773	751	747	-5.00	976	1029	-5	78.0
4/29/2025 11:45	0.01	1.38	100.0	30.39	2.75	39.67	764	749	746	-5.00	966	1036	-5	79.9
4/29/2025 12:00	0.03	1.38	100.0	31.88	2.63	40.51	771	748	737	-5.00	964	1025	-5	79.4
4/29/2025 12:15	0.01	1.38	100.0	24.89	2.88	40.07	775	761	738	-5.00	972	1026	-5	80.6
4/29/2025 12:30	0.01	1.38	100.0	19.13	2.49	40.11	776	753	738	-5.00	959	1026	-5	80.5
4/29/2025 12:45	0.01	1.38	100.0	27.18	3.08	40.03	777	740	737	-5.00	948	1030	-5	81.6
4/29/2025 13:00	0.04	1.37	100.0	24.50	2.71	39.65	771	741	739	-5.00	941	1030	-5	81.8
4/29/2025 13:15	0.18	1.36	100.0	29.97	2.79	39.97	769	744	738	-5.00	966	1034	-5	82.9
4/29/2025 13:30	0.11	1.36	100.0	25.20	2.94	40.10	755	750	740	-5.00	977	1039	-5	82.5
4/29/2025 13:45	0.09	1.35	100.0	30.32	2.95	40.25	745	732	750	-5.00	964	1068	-5	77.6
4/29/2025 14:00	0.08	1.35	100.0	21.31	2.97	39.90	759	733	761	-5.00	945	1042	-5	76.7
4/29/2025 14:15	0.08	1.34	100.0	30.51	3.00	39.81	765	733	766	-5.00	936	1041	-5	80.3
4/29/2025 14:30	0.09	1.33	100.0	24.56	2.71	39.73	792	739	758	-5.00	931	1029	-5	83.1
4/29/2025 14:45	0.04	1.33	100.0	26.19	2.78	40.00	786	762	744	-5.00	982	1023	-5	82.8
4/29/2025 15:00	0.02	1.33	100.0	27.63	2.94	39.63	790	762	744	-5.00	989	1021	-5	82.1
4/29/2025 15:15	0.44	1.32	100.0	25.39	2.48	40.05	791	759	746	-5.00	980	1019	-5	80.9
4/29/2025 15:30	1.09	1.32	100.0	22.15	2.39	40.52	799	743	749	-5.00	952	1018	-5	80.3
4/29/2025 15:45	1.77	1.32	100.0	26.28	2.99	40.61	797	762	751	-5.00	964	1017	-5	80.9
4/29/2025 16:00	2.04	1.31	100.0	25.43	2.51	39.85	783	745	742	-5.00	961	1027	-5	82.4
4/29/2025 16:15	2.01	1.31	100.0	29.03	2.76	40.10	783	764	734	-5.00	980	1019	-5	83.0
4/29/2025 16:30	2.01	1.31	100.0	27.43	3.02	40.13	783	784	736	-5.00	1008	1026	-5	82.8
4/29/2025 16:45	2.01	1.31	100.0	28.12	3.06	39.99	791	780	738	-5.00	1003	1018	-5	82.8
4/29/2025 17:00	2.00	1.30	100.0	27.10	2.96	39.71	793	756	746	-5.00	974	1024	-5	82.7
4/29/2025 17:15	2.00	1.30	100.0	30.53	2.77	39.91	796	763	745	-5.00	981	1022	-5	81.7
4/29/2025 17:30	1.98	1.30	100.0	30.42	3.07	40.06	795	760	749	-5.00	980	1029	-5	82.9
4/29/2025 17:45	1.97	1.30	100.0	28.25	3.04	40.40	779	774	744	-5.00	1010	1019	-5	82.4
4/29/2025 18:00	1.95	1.29	100.0	32.12	2.80	40.20	769	784	749	-5.00	1043	1028	-5	82.6
4/29/2025 18:15	1.94	1.29	100.0	38.56	3.22	40.32	733	808	748	-5.00	1019	1028	-5	76.4
4/29/2025 18:30	1.94	1.28	100.0	30.10	2.98	39.67	745	764	755	-5.00	1045	1022	-5	77.5
4/29/2025 18:45	2.01	1.28	100.0	17.30	2.74	39.15	748	755	754	-5.00	998	1022	-5	77.7
4/29/2025 19:00	1.99	1.27	100.0	30.34	3.01	39.37	735	754	733	-5.00	1000	973	-5	76.3
4/29/2025 19:15	1.94	1.26	100.0	29.01	2.86	39.40	736	756	734	-5.00	968	989	-5	74.1
4/29/2025 19:30	1.08	1.26	100.0	27.69	2.84	38.85	733	753	728	-5.00	968	981	-5	70.9
4/29/2025 19:45	0.05	1.26	100.0	20.25	2.62	38.83	737	755	730	-5.00	1015	967	-5	67.1
4/29/2025 20:00	0.00	1.26	100.0	24.44	3.00	38.51	747	749	748	-5.00	1027	984	-5	63.4
4/29/2025 20:15	0.00	1.26	100.0	26.92	2.87	39.29	752	759	748	-5.00	1084	994	-5	61.0
4/29/2025 20:30	0.00	1.26	100.0	24.54	2.68	38.95	749	751	749	-5.00	998	990	-5	58.8
4/29/2025 20:45	0.00	1.26	100.0	27.98	2.83	38.26	751	742	758	-5.00	995	988	-5	57.5
4/29/2025 21:00	0.00	1.25	100.0	31.66	2.82	38.01	745	758	756	-5.00	1108	976	-5	56.1
4/29/2025 21:15	0.00	1.25	100.0	45.20	3.49	37.44	741	758	744	-5.00	1077	953	-5	54.2
4/29/2025 21:30	0.00	1.24	100.0	34.15	3.19	37.45	747	754	746	-5.00	1081	955	-5	52.7
4/29/2025 21:45	0.00	1.24	100.0	37.75	3.56	37.00	748	750	749	-5.00	1027	948	-5	51.7
4/29/2025 22:00	0.00	1.24	100.0	33.22	2.85	36.79	753	759	756	-5.00	1119	994	-5	50.6
4/29/2025 22:15	0.00	1.24	100.0	29.16	2.86	36.98	750	746	753	-5.00	1048	966	-5	49.4
4/29/2025 22:30	0.00	1.24	100.0	29.85	2.99	37.47	750	744	756	-5.00	1028	964	-5	48.6
4/29/2025 22:45	0.00	1.24	100.0	28.17	3.10	37.40	741	755	748	-5.00	1096	957	-5	47.7
4/29/2025 23:00	0.00	1.24	100.0	35.71	2.97	36.73	753	756	756	-5.00	1140	984	-5	47.0
4/29/2025 23:15	0.00	1.24	100.0	30.66	2.74	35.77	736	771	755	-5.00	1180	985	-5	45.9
4/29/2025 23:30	0.00	1.24	100.0	29.17	3.09	36.52	733	757	741	-5.00	1042	941	-5	44.9
4/29/2025 23:45	0.00	1.24	100.0	30.20	3.05	36.62	737	771	756	-5.00	1155	967	-5	44.4
4/30/2025 0:00	1.02	1.25	100.0	35.25	3.03	36.68	745	774	759	-5.00	1160	982	-5	44.1
4/30/2025 0:15	1.63	1.25	100.0	33.10	3.26	35.99	744	757	745	-5.00	1105	988	-5	44.0
4/30/2025 0:30	2.02	1.25	100.0	32.33	2.97	36.38	748	766	759	-5.00	1157	1010	-5	43.9
4/30/2025 0:45	2.14	1.25	100.0	32.55	2.66	36.76	753	765	756	-5.00	1159	1006	-5	43.7
4/30/2025 1:00	2.29	1.25	100.0	39.76	2.85	36.66	749	751	753	-5.00	1172	998	-5	43.7
4/30/2025 1:15	2.18	1.25	100.0	27.44	2.57	36.32	757	754	757	-5.00	1152	1029	-5	43.6
4/30/2025 1:30	2.12	1.26	100.0	25.10	2.38	36.66	760	750	758	-5.00	1116	1047	-5	43.4
4/30/2025 1:45	2.43	1.26	100.0	29.32	3.15	36.65	761	760	763	-5.00	1127	1055	-5	43.2
4/30/2025 2:00	3.72	1.26	100.0	34.04	2.83	36.95	760	749	761	-5.00	1101	1057	-5	42.9
4/30/2025 2:15	4.22	1.26	100.0	19.47	2.84	37.14	763	777	775	-5.00	1093	1116	-5	42.7
4/30/2025 2:30	4.39	1.26	100.0	28.20	2.86	37.63	763	777	785	-5.00	1113	1106	-5	42.6
4/30/2025 2:45	3.96	1.27	100.0	27.99	2.87	37.74	766	779	788	-5.00	1102	1116	-5	42.5
4/30/2025 3:00	2.12	1.26	100.0	35.69	2.85	37.69	757	784	790	-5.00	1101	1121	-5	42.2
4/30/2025 3:15	1.49	1.27	100.0	30.55	2.46	37.97	759	781	787	-5.00	1102	1127	-5	42.2
4/30/2025 3:30	1.11	1.27	100.0	26.76	2.38	37.34	763	780	783	-5.00	1103	1116	-5	42.0
4/30/2025 3:45	1.02	1.28	100.0	26.01	3.08	37.61	754	789	782	-5.00	1105	1113	-5	41.7
4/30/2025 4:00	0.99	1.28	100.0	32.92	3.25	37.63	728	791	814	-5.00	1059	1147	-5	41.1
4/30/2025 4:15	0.99	1.28	100.0	26.88	2.62	37.31	725	791	821	-5.00	1054	1151	-5	40.4
4/30/2025 4:30	0.99	1.29	100.0	38.11	2.62	37.54	729	789	822	-5.00	1066	1158	-5	40.2
4/30/2025 4:45	0.99	1.29	100.0	23.58	2.85	37.53	741	787	807	-5.00	1071	1158	-5	40.3
4/30/2025 5:00	0.99	1.29	100.0	33.40	3.06	37.48	732	788	810	-5.00	1056	1150	-5	39.9
4/30/2025 5:15	0.99	1.30	100.0	32.49	2.67	36.86	734	786	813	-5.00	1058	1144	-5	39.3
4/30/2025 5:30	0.99	1.30	100.0	24.26	2.74	37.12	735	784	816	-5.00	1055	1145	-5	39.0
4/30/2025 5:45	0.99	1.30	100.0	26.00	2.93	36.93	727	789	814	-5.00	1052	1149	-5	38.6
4/30/2025 6:00	0.99	1.30	100.0	25.19	2.81	37.66	727	789	813	-5.00	1057	1150	-5	38.5
4/30/2025 6:15	0.99	1.31	100.0	30.42	3.25	37.50	757	777	788	-5.00	1104	1131	-5	39.1
4/30/2025 6:30	0.99	1.31	100.0	27.68	2.82	37.18	766	724	756	-5.00	1081	1053	-5	39.5
4/30/2025 6:45	0.99	1.31	100.0	29.96	3.18	37.08	773	722	764	-5.00	1082	1080	-5	40.5
4/30/2025 7:00	0.99	1.31	100.0	27.56	3.00	37.45	760	734	749	-5.00	1093	1072	-5	41.5
4/30/2025 7:15	1.00	1.31	100.0	25.27	2.94	37.68	760	716	746	-5.00	1082	1044	-5	40.9
4/30/2025 7:30	0.97	1.32	100.0	24.55	3.04	37.78	759	715	748	-5.00	1068	1040	-5	40.9
4/30/2025 7:45	0.98	1.32	100.0	27.54	3.18	37.75	752	718	740	-5.00	1087	1043	-5	41.6
4/30/2025 8:00	0.99	1.32	100.0	30.00	2.88	37.55	758	714	750	-5.00	1079	1052	-5	41.9
4/30/2025 8:15	0.98	1.33	100.0	29.63	2.76	37.35	747	748	742	-5.00	1097	1092	-5	43.4
4/30/2025 8:30	0.95	1.33	100.0	27.59	2.88	37.88	731	787	720	-5.00	1178	1098	-5	47.7
4/30/2025 8:45	0.95	1.34	100.0	37.23	3.51	38.13	725	793	719	-5.00	1176	1083	-5	48.8
4/30/2025 9:00	0.92	1.34	100.0	29.04	2.99	37.41	713	797	724	-5.00	1125	1100	-5	49.2
4/30/2025 9:15	0.96	1.35	100.0	29.08	2.81	37.94	719	791	729	-5.00	1105	1103	-5	50.4
4/30/2025 9:30	0.96	1.36	100.0	18.88	3.68	38.77	730	774	756	-5.00	1114	1089	-5	48.2
4/30/2025 9:45	0.96	1.35	100.0	35.77	3.34	38.66	733	786	757	-5.00	1078	1122	-5	52.7
4/30/2025 10:00	1.07	1.36	100.0	32.54	2.93	38.54	715	791	760	-5.00	1069	1140	-5	50.6
4/30/2025 10:15	1.50	1.36	100.0	36.90	2.95	38.38	707	771	785	-5.00	1050	1143	-5	50.6
4/30/2025 10:30	2.01	1.36	100.0	32.19	3.06	37.77	760	760	751	-5.00	989	1161	-5	48.2
4/30/2025 10:45	2.59	1.35	100.0	33.57	3.11	38.03	764	761	746	-5.00	974	1174	-5	48.2
4/30/2025 11:00	2.99	1.35	100.0	27.64	2.77	38.61	760	743	740	-5.00	972	1140	-5	49.0
4/30/2025 11:15	3.29	1.35	100.0	28.43	2.93	37.91	760	712	725	-5.00	971	1107	-5	47.9
4/30/2025 11:30	3.52	1.34	100.0	27.48	3.24	38.23	767	717	729	-5.00	961	1117	-5	48.9
4/30/2025 11:45	3.67	1.34	100.0	25.47	3.04	38.15	764	701	722	-5.00	961	1112	-5	47.9
4/30/2025 12:00	3.70	1.34	100.0	28.90	2.39	38.35	757	709	733	-5.00	964	1102	-5	45.9
4/30/2025 12:15	3.69	1.33	100.0	27.75	2.70	38.38	766	716	742	-5.00	967	1103	-5	47.1
4/30/2025 12:30	3.60	1.33	100.0	32.29	2.54	38.16	767	731	745	-5.00	972	1102	-5	47.9
4/30/2025 12:45	3.24	1.33	100.0	29.55	2.66	38.62	757	739	713	-5.00	964	1105	-5	47.4
4/30/2025 13:00	3.23	1.33	100.0	28.44	2.82	37.82	753	735	718	-5.00	971	1101	-5	48.0
4/30/2025 13:15	3.15	1.33	100.0	25.24	2.76	39.21	752	730	734	-5.00	981	1102	-5	48.5
4/30/2025 13:30	3.04	1.33	100.0	22.63	2.48	38.71	752	735	734	-5.00	986	1104	-5	48.6
4/30/2025 13:45	2.88	1.33	100.0	22.84	2.69	38.17	752	717	724	-5.00	970	1110	-5	44.7
4/30/2025 14:00	1.58	1.32	100.0	22.85	3.07	38.66	753	724	716	-5.00	963	1104	-5	45.0
4/30/2025 14:15	1.62	1.32	100.0	24.15	2.53	38.78	754	709	726	-5.00	965	1108	-5	44.6
4/30/2025 14:30	2.45	1.32	100.0	24.12	2.48	38.77	764	712	733	-5.00	970	1105	-5	46.1
4/30/2025 14:45	2.32	1.32	100.0	21.47	2.39	38.74	757	718	737	-5.00	970	1111	-5	46.3
4/30/2025 15:00	2.12	1.32	100.0	27.86	3.04	38.42	754	725	734	-5.00	976	1111	-5	46.3
4/30/2025 15:15	1.97	1.31	100.0	30.17	2.73	38.42	756	723	745	-5.00	975	1124	-5	47.7
4/30/2025 15:30	2.01	1.31	100.0	27.47	2.60	38.72	760	721	742	-5.00	976	1114	-5	47.2
4/30/2025 15:45	2.10	1.31	100.0	26.45	2.82	39.15	761	729	752	-5.00	976	1113	-5	47.1
4/30/2025 16:00	2.18	1.31	100.0	16.50	3.03	39.11	771	722	753	-5.00	974	1113	-5	46.9
4/30/2025 16:15	2.28	1.30	100.0	23.24	2.63	38.83	769	721	751	-5.00	971	1112	-5	47.5
4/30/2025 16:30	1.60	1.32	100.0	32.33	3.02	39.29	770	717	749	-5.00	969	1110	-5	47.0
4/30/2025 16:45	1.24	1.31	100.0	27.27	3.22	38.29	772	732	754	-5.00	971	1106	-5	48.1
4/30/2025 17:00	1.17	1.30	100.0	24.72	2.97	37.32	773	737	762	-5.00	979	1101	-5	48.9
4/30/2025 17:15	1.20	1.30	100.0	30.24	3.02	37.46	763	780	739	-5.00	994	1115	-5	49.0
4/30/2025 17:30	1.22	1.30	100.0	25.10	2.94	38.57	760	789	715	-5.00	1009	1122	-5	50.5
4/30/2025 17:45	1.23	1.30	100.0	30.09	3.00	37.90	758	787	707	-5.00	1023	1130	-5	51.0
4/30/2025 18:00	1.23	1.30	100.0	29.76	2.83	37.64	761	780	704	-5.00	1023	1113	-5	53.5
4/30/2025 18:15	1.22	1.30	100.0	26.83	2.63	37.98	761	781	705	-5.00	1028	1128	-5	46.5
4/30/2025 18:30	1.23	1.30	100.0	29.73	2.84	37.89	772	791	715	-5.00	1051	1147	-5	46.2
4/30/2025 18:45	1.25	1.30	100.0	31.74	2.71	38.39	756	783	794	-5.00	1061	1164	-5	46.4
4/30/2025 19:00	1.22	1.30	100.0	24.60	2.82	38.13	741	771	810	-5.00	1052	1156	-5	46.2
4/30/2025 19:15	1.19	1.30	100.0	34.29	3.13	38.84	710	776	826	-5.00	1046	1161	-5	45.6
4/30/2025 19:30	1.14	1.30	100.0	32.98	2.95	38.35	718	784	830	-5.00	1050	1155	-5	48.2
4/30/2025 19:45	1.03	1.30	100.0	18.86	2.60	37.97	735	774	818	-5.00	1054	1158	-5	45.3

Calculated Data — **Flare Gas Composition**

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
4/28/2025 23:15	0.165	1.12	0.36	0.00	48.28	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80
4/28/2025 23:30	0.162	1.10	0.36	0.00	48.29	0.00	3.38	0.00	0.96	37.51	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80
4/28/2025 23:45	0.158	1.08	0.36	0.00	48.31	0.00	3.38	0.00	0.96	37.52	2.19	1.71	0.00	1.27	1.11	0.00	0.90	0.42	0.80
4/29/2025 0:00	0.152	1.04	0.36	0.00	48.21	0.00	1.31	0.00	0.98	39.28	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 0:15	0.152	1.04	0.36	0.00	48.21	0.00	1.31	0.00	0.98	39.28	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 0:30	0.155	1.06	0.36	0.00	48.20	0.00	1.31	0.00	0.98	39.27	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 0:45	0.157	1.07	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 1:00	0.156	1.07	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 1:15	0.157	1.07	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 1:30	0.158	1.08	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 1:45	0.160	1.09	0.36	0.00	48.18	0.00	1.31	0.00	0.98	39.25	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 2:00	0.159	1.09	0.36	0.00	48.18	0.00	1.31	0.00	0.98	39.26	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 2:15	0.157	1.07	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 2:30	0.153	1.05	0.36	0.00	48.20	0.00	1.31	0.00	0.98	39.27	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 2:45	0.150	1.02	0.36	0.00	48.21	0.00	1.31	0.00	0.98	39.28	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 3:00	0.149	1.01	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 3:15	0.148	1.01	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 3:30	0.148	1.01	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 3:45	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 4:00	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 4:15	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 4:30	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 4:45	0.147	1.00	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 5:00	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 5:15	0.146	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 5:30	0.149	1.01	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 5:45	0.148	1.01	0.36	0.00	48.22	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 6:00	0.154	1.05	0.36	0.00	48.20	0.00	1.31	0.00	0.98	39.27	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 6:15	0.168	1.14	0.36	0.00	48.16	0.00	1.31	0.00	0.98	39.24	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 6:30	0.196	1.34	0.36	0.00	48.06	0.00	1.31	0.00	0.98	39.16	2.36	1.85	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 6:45	0.225	1.54	0.36	0.00	47.97	0.00	1.30	0.00	0.98	39.08	2.35	1.84	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 7:00	0.242	1.65	0.36	0.00	47.91	0.00	1.30	0.00	0.98	39.04	2.35	1.84	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 7:15	0.257	1.74	0.36	0.00	47.87	0.00	1.30	0.00	0.98	39.00	2.35	1.84	0.00	1.42	1.14	0.00	0.93	0.40	0.70
4/29/2025 7:30	0.248	1.68	0.36	0.00	47.90	0.00	1.30	0.00	0.98	39.03	2.35	1.84	0.00	1.42	1.14	0.00	0.93	0.40	0.70
4/29/2025 7:45	0.254	1.72	0.36	0.00	47.88	0.00	1.30	0.00	0.98	39.01	2.35	1.84	0.00	1.42	1.14	0.00	0.93	0.40	0.70
4/29/2025 8:00	0.305	2.07	0.35	0.00	47.72	0.00	1.30	0.00	0.97	38.88	2.34	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 8:15	0.306	2.07	0.35	0.00	47.72	0.00	1.30	0.00	0.97	38.88	2.34	1.83	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 8:30	0.294	1.99	0.35	0.00	47.76	0.00	1.30	0.00	0.97	38.91	2.34	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 8:45	0.269	1.83	0.36	0.00	47.83	0.00	1.30	0.00	0.98	38.97	2.35	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 9:00	0.290	1.97	0.35	0.00	47.77	0.00	1.30	0.00	0.97	38.92	2.34	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 9:15	0.320	2.18	0.35	0.00	47.67	0.00	1.30	0.00	0.97	38.84	2.34	1.83	0.00	1.42	1.13	0.00	0.92	0.39	0.70
4/29/2025 9:30	0.337	2.29	0.35	0.00	47.62	0.00	1.29	0.00	0.97	38.79	2.34	1.83	0.00	1.42	1.13	0.00	0.92	0.39	0.70
4/29/2025 9:45	0.343	2.33	0.35	0.00	47.60	0.00	1.29	0.00	0.97	38.78	2.34	1.83	0.00	1.42	1.13	0.00	0.92	0.39	0.70
4/29/2025 10:00	0.297	2.02	0.35	0.00	47.74	0.00	1.30	0.00	0.97	38.90	2.34	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 10:15	0.377	2.57	0.35	0.00	47.49	0.00	1.29	0.00	0.97	38.69	2.33	1.83	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 10:30	0.390	2.66	0.35	0.00	47.45	0.00	1.29	0.00	0.97	38.66	2.33	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 10:45	0.381	2.59	0.35	0.00	47.48	0.00	1.29	0.00	0.97	38.68	2.33	1.83	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 11:00	0.405	2.75	0.35	0.00	47.40	0.00	1.29	0.00	0.97	38.62	2.33	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.69
4/29/2025 11:15	0.476	3.24	0.35	0.00	47.18	0.00	1.28	0.00	0.96	38.44	2.32	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 11:30	0.474	3.23	0.35	0.00	47.18	0.00	1.28	0.00	0.96	38.44	2.32	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 11:45	0.505	3.43	0.35	0.00	47.09	0.00	1.28	0.00	0.96	38.37	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 12:00	0.498	3.38	0.35	0.00	47.11	0.00	1.28	0.00	0.96	38.39	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 12:15	0.517	3.52	0.35	0.00	47.05	0.00	1.28	0.00	0.96	38.34	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 12:30	0.515	3.50	0.35	0.00	47.06	0.00	1.28	0.00	0.96	38.34	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 12:45	0.534	3.63	0.35	0.00	47.00	0.00	1.28	0.00	0.96	38.29	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 13:00	0.537	3.65	0.35	0.00	46.99	0.00	1.28	0.00	0.96	38.29	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 13:15	0.557	3.74	0.35	0.00	46.95	0.00	1.28	0.00	0.96	38.25	2.30	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 13:30	0.550	3.71	0.35	0.00	46.96	0.00	1.28	0.00	0.96	38.26	2.30	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 13:45	0.469	3.17	0.35	0.00	47.21	0.00	1.28	0.00	0.96	38.46	2.32	1.82	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 14:00	0.455	3.08	0.35	0.00	47.25	0.00	1.28	0.00	0.96	38.50	2.32	1.82	0.00	1.41	1.12	0.00	0.91	0.39	0.69
4/29/2025 14:15	0.513	3.47	0.35	0.00	47.07	0.00	1.28	0.00	0.96	38.35	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 14:30	0.560	3.79	0.35	0.00	46.93	0.00	1.28	0.00	0.96	38.24	2.30	1.80	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 14:45	0.555	3.76	0.35	0.00	46.94	0.00	1.28	0.00	0.96	38.24	2.30	1.80	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 15:00	0.543	3.69	0.35	0.00	46.97	0.00	1.28	0.00	0.96	38.27	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 15:15	0.522	3.45	0.35	0.00	47.08	0.00	1.28	0.00	0.96	38.36	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 15:30	0.511	3.24	0.35	0.00	47.18	0.00	1.28	0.00	0.96	38.44	2.32	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 15:45	0.522	3.17	0.35	0.00	47.21	0.00	1.28	0.00	0.96	38.46	2.32	1.82	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 16:00	0.548	3.27	0.35	0.00	47.16	0.00	1.28	0.00	0.96	38.43	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 16:15	0.560	3.35	0.35	0.00	47.13	0.00	1.28	0.00	0.96	38.40	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 16:30	0.555	3.33	0.35	0.00	47.14	0.00	1.28	0.00	0.96	38.41	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 16:45	0.556	3.33	0.35	0.00	47.14	0.00	1.28	0.00	0.96	38.41	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 17:00	0.553	3.31	0.35	0.00	47.14	0.00	1.28	0.00	0.96	38.41	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 17:15	0.535	3.21	0.35	0.00	47.19	0.00	1.28	0.00	0.96	38.45	2.32	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 17:30	0.557	3.34	0.35	0.00	47.13	0.00	1.28	0.00	0.96	38.40	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 17:45	0.548	3.29	0.35	0.00	47.15	0.00	1.28	0.00	0.96	38.42	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 18:00	0.551	3.31	0.35	0.00	47.14	0.00	1.28	0.00	0.96	38.41	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69
4/29/2025 18:15	0.450	2.71	0.35	0.00	47.42	0.00	1.29	0.00	0.97	38.64	2.33	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 18:30	0.467	2.81	0.35	0.00	47.38	0.00	1.29	0.00	0.97	38.60	2.32	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.69
4/29/2025 18:45	0.469	2.81	0.35	0.00	47.38	0.00	1.29	0.00	0.97	38.60	2.32	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.69
4/29/2025 19:00	0.449	2.69	0.35	0.00	47.43	0.00	1.29	0.00	0.97	38.64	2.33	1.82	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 19:15	0.417	2.51	0.35	0.00	47.52	0.00	1.29	0.00	0.97	38.71	2.33	1.83	0.00	1.41	1.13	0.00	0.92	0.39	0.70
4/29/2025 19:30	0.374	2.37	0.35	0.00	47.58	0.00	1.29	0.00	0.97	38.76	2.33	1.83	0.00	1.42	1.13	0.00	0.92	0.39	0.70
4/29/2025 19:45	0.329	2.23	0.35	0.00	47.64	0.00	1.29	0.00	0.97	38.82	2.34	1.83	0.00	1.42	1.13	0.00	0.92	0.39	0.70
4/29/2025 20:00	0.289	1.97	0.35	0.00	47.77	0.00	1.30	0.00	0.97	38.92	2.34	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 20:15	0.265	1.80	0.36	0.00	47.84	0.00	1.30	0.00	0.98	38.98	2.35	1.84	0.00	1.42	1.14	0.00	0.92	0.40	0.70
4/29/2025 20:30	0.245	1.67	0.36	0.00	47.91	0.00	1.30	0.00	0.98	39.03	2.35	1.84	0.00	1.42	1.14	0.00	0.93	0.40	0.70
4/29/2025 20:45	0.234	1.59	0.36	0.00	47.94	0.00	1.30	0.00	0.98	39.06	2.35	1.84	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 21:00	0.223	1.52	0.36	0.00	47.98	0.00	1.30	0.00	0.98	39.09	2.35	1.84	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 21:15	0.208	1.41	0.36	0.00	48.03	0.00	1.31	0.00	0.98	39.13	2.36	1.85	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 21:30	0.197	1.34	0.36	0.00	48.06	0.00	1.31	0.00	0.98	39.16	2.36	1.85	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 21:45	0.190	1.29	0.36	0.00	48.09	0.00	1.31	0.00	0.98	39.18	2.36	1.85	0.00	1.43	1.14	0.00	0.93	0.40	0.70
4/29/2025 22:00	0.182	1.24	0.36	0.00	48.11	0.00	1.31	0.00	0.98	39.20	2.36	1.85	0.00	1.43	1.14	0.00	0.93	0.40	0.71
4/29/2025 22:15	0.174	1.18	0.36	0.00	48.14	0.00	1.31	0.00	0.98	39.22	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 22:30	0.169	1.15	0.36	0.00	48.15	0.00	1.31	0.00	0.98	39.23	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 22:45	0.163	1.11	0.36	0.00	48.17	0.00	1.31	0.00	0.98	39.25	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 23:00	0.159	1.08	0.36	0.00	48.19	0.00	1.31	0.00	0.98	39.26	2.36	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 23:15	0.152	1.04	0.36	0.00	48.21	0.00	1.31	0.00	0.98	39.28	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 23:30	0.147	1.00	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.29	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/29/2025 23:45	0.144	0.98	0.36	0.00	48.23	0.00	1.31	0.00	0.98	39.30	2.37	1.85	0.00	1.43	1.15	0.00	0.93	0.40	0.71
4/30/2025 0:00	0.142	0.91	0.33	0.00	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 0:15	0.141	0.87	0.33	0.00	48.98	0.00	2.09	0.02	0.94	38.59	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 0:30	0.141	0.84	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 0:45	0.140	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 1:00	0.140	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 1:15	0.139	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 1:30	0.138	0.82	0.33	0.00	49.01	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 1:45	0.137	0.80	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.61	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 2:00	0.136	0.74	0.33	0.00	49.05	0.00	2.09	0.02	0.94	38.64	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 2:15	0.135	0.71	0.33	0.00	49.06	0.00	2.09	0.02	0.94	38.65	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 2:30	0.134	0.70	0.33	0.00	49.06	0.00	2.09	0.02	0.94	38.65	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 2:45	0.134	0.72	0.33	0.00	49.06	0.00	2.09	0.02	0.94	38.64	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 3:00	0.132	0.79	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 3:15	0.132	0.82	0.33	0.00	49.01	0.00	2.09	0.02	0.94	38.61	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 3:30	0.131	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 3:45	0.129	0.82	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 4:00	0.127	0.81	0.33	0.00	49.01	0.00	2.09	0.02	0.94	38.61	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 4:15	0.123	0.79	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 4:30	0.122	0.78	0.33	0.00	49.03	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 4:45	0.123	0.78	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 5:00	0.121	0.77	0.33	0.00	49.03	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 5:15	0.118	0.75	0.33	0.00	49.04	0.00	2.09	0.02	0.94	38.63	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 5:30	0.117	0.74	0.33	0.00	49.04	0.00	2.09	0.02	0.94	38.63	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 5:45	0.115	0.73	0.33	0.00	49.05	0.00	2.09	0.02	0.94	38.64	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 6:00	0.114	0.73	0.33	0.00	49.05	0.00	2.09	0.02	0.94	38.64	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 6:15	0.117	0.75	0.33	0.00	49.04	0.00	2.09	0.02	0.94	38.63	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 6:30	0.119	0.76	0.33	0.00	49.04	0.00	2.09	0.02	0.94	38.63	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 6:45	0.124	0.79	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.62	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 7:00	0.129	0.82	0.33	0.00	49.01	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 7:15	0.126	0.80	0.33	0.00	49.02	0.00	2.09	0.02	0.94	38.61	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 7:30	0.126	0.80	0.33	0.00	49.01	0.00	2.09	0.02	0.94	38.61	2.31	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 7:45	0.129	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 8:00	0.131	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 8:15	0.138	0.88	0.33	0.00	48.98	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 8:30	0.164	1.05	0.33	0.00	48.90	0.00	2.09	0.02	0.93	38.52	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 8:45	0.170	1.09	0.33	0.00	48.88	0.00	2.08	0.02	0.93	38.50	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 9:00	0.173	1.11	0.33	0.00	48.87	0.00	2.08	0.02	0.93	38.49	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 9:15	0.181	1.16	0.33	0.00	48.84	0.00	2.08	0.02	0.93	38.48	2.30	1.44	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 9:30	0.167	1.06	0.33	0.00	48.89	0.00	2.09	0.02	0.93	38.51	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 9:45	0.196	1.25	0.33	0.00	48.80	0.00	2.08	0.02	0.93	38.44	2.29	1.43	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 10:00	0.182	1.15	0.33	0.00	48.85	0.00	2.08	0.02	0.93	38.48	2.30	1.44	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 10:15	0.182	1.12	0.33	0.00	48.86	0.00	2.08	0.02	0.93	38.49	2.30	1.44	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 10:30	0.166	1.00	0.33	0.00	48.92	0.00	2.09	0.02	0.93	38.54	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 10:45	0.166	0.96	0.33	0.00	48.94	0.00	2.09	0.02	0.93	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 11:00	0.171	0.97	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 11:15	0.165	0.92	0.33	0.00	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 11:30	0.170	0.94	0.33	0.00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 11:45	0.165	0.90	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 12:00	0.152	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 12:15	0.160	0.87	0.33	0.00	48.98	0.00	2.09	0.02	0.94	38.59	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 12:30	0.164	0.90	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 12:45	0.161	0.90	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 13:00	0.165	0.92	0.33	0.00	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 13:15	0.168	0.94	0.33	0.00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 13:30	0.169	0.95	0.33	0.00	48.94	0.00	2.09	0.02	0.94	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 13:45	0.146	0.83	0.33	0.00	49.00	0.00	2.09	0.02	0.94	38.60	2.30	1.44	0.00	1.39	1.09	0.00	0.90	0.39	0.69
4/30/2025 14:00	0.147	0.90	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 14:15	0.145	0.89	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 14:30	0.153	0.90	0.33	0.00	48.97	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 14:45	0.155	0.91	0.33	0.00	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 15:00	0.155	0.92	0.33	0.00	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 15:15	0.163	0.98	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.54	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 15:30	0.160	0.96	0.33	0.00	48.94	0.00	2.09	0.02	0.94	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 15:45	0.159	0.95	0.33	0.00	48.94	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 16:00	0.158	0.94	0.33	0.00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 16:15	0.162	0.95	0.33	0.00	48.94	0.00	2.09	0.02	0.94	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 16:30	0.159	0.98	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.54	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 16:45	0.166	1.04	0.33	0.00	48.90	0.00	2.09	0.02	0.93	38.52	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 17:00	0.170	1.07	0.33	0.00	48.88	0.00	2.08	0.02	0.93	38.51	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 17:15	0.171	1.08	0.33	0.00	48.88	0.00	2.08	0.02	0.93	38.51	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 17:30	0.181	1.14	0.33	0.00	48.85	0.00	2.08	0.02	0.93	38.48	2.30	1.44	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 17:45	0.185	1.16	0.33	0.00	48.84	0.00	2.08	0.02	0.93	38.48	2.30	1.44	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 18:00	0.202	1.27	0.33	0.00	48.79	0.00	2.08	0.02	0.93	38.43	2.29	1.43	0.00	1.38	1.09	0.00	0.89	0.39	0.69
4/30/2025 18:15	0.156	0.98	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.54	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 18:30	0.154	0.97	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 18:45	0.155	0.97	0.33	0.00	48.93	0.00	2.09	0.02	0.93	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 19:00	0.154	0.97	0.33	0.00	48.94	0.00	2.09	0.02	0.93	38.55	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 19:15	0.150	0.95	0.33	0.00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 19:30	0.167	1.05	0.33	0.00	48.89	0.00	2.09	0.02	0.93	38.52	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69
4/30/2025 19:45	0.149	0.95	0.33	0.00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69

Property Calculations — **ZTOF** — **36Inch Flare** — **24Inch Flare** — **Pit Flare**

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/perioc	kg/period
4/28/2025 23:15	0.04	1145	13.12	47.66	338.4	400	1	4529	131020	4193	88326	687	0.06	8.92																								8.92
4/28/2025 23:30	0.04	1146	13.12	47.66	338.4	400	1	4529	131030	4193	88326	687	0.06	8.93																								8.93
4/28/2025 23:45	0.04	1146	13.12	47.66	338.4	400	1	4529	131043	4193	88326	687	0.06	8.93																								8.93
4/29/2025 0:00	0.04	1170	12.98	47.64	338.2	400	1	4529	132428	4193	88326	704	0.06	8.90																								8.90
4/29/2025 0:15	0.04	1170	12.98	47.64	338.2	400	1	4529	132428	4193	88326	704	0.06	8.90																								8.90
4/29/2025 0:30	0.04	1169	12.98	47.64	338.2	400	1	4529	132419	4193	88326	704	0.06	8.90																								8.90
4/29/2025 0:45	0.04	1169	12.98	47.64	338.2	400	1	4529	132412	4193	88326	704	0.06	8.90																								8.90
4/29/2025 1:00	0.04	1169	12.98	47.64	338.2	400	1	4529	132413	4193	88326	704	0.06	8.90																								8.90
4/29/2025 1:15	0.04	1169	12.98	47.64	338.2	400	1	4529	132412	4193	88326	704	0.06	8.90																								8.90
4/29/2025 1:30	0.04	1169	12.98	47.64	338.2	400	1	4529	132408	4193	88326	704	0.06	8.90																								8.90
4/29/2025 1:45	0.04	1169	12.98	47.64	338.2	400	1	4529	132399	4193	88326	703	0.06	8.89																								8.89
4/29/2025 2:00	0.04	1169	12.98	47.64	338.2	400	1	4529	132402	4193	88326	703	0.06	8.89																								8.89
4/29/2025 2:15	0.04	1169	12.98	47.64	338.2	400	1	4529	132413	4193	88326	704	0.06	8.90																								8.90
4/29/2025 2:30	0.04	1169	12.98	47.64	338.2	400	1	4529	132424	4193	88326	704	0.06	8.90																								8.90
4/29/2025 2:45	0.04	1170	12.98	47.64	338.2	400	1	4529	132438	4193	88326	704	0.06	8.90																								8.90
4/29/2025 3:00	0.04	1170	12.98	47.64	338.2	400	1	4529	132443	4193	88326	704	0.06	8.90																								8.90
4/29/2025 3:15	0.04	1170	12.98	47.64	338.2	400	1	4529	132446	4193	88326	704	0.06	8.90																								8.90
4/29/2025 3:30	0.04	1170	12.98	47.64	338.2	400	1	4529	132446	4193	88326	704	0.06	8.90																								8.90
4/29/2025 3:45	0.04	1170	12.98	47.64	338.2	400	1	4529	132451	4193	88326	704	0.06	8.91																								8.91
4/29/2025 4:00	0.04	1170	12.98	47.64	338.2	400	1	4529	132452	4193	88326	704	0.06	8.91																								8.91
4/29/2025 4:15	0.04	1170	12.98	47.64	338.2	400	1	4529	132452	4193	88326	704	0.06	8.91																								8.91
4/29/2025 4:30	0.04	1170	12.98	47.64	338.2	400	1	4529	132451	4193	88326	704	0.06	8.91																								8.91
4/29/2025 4:45	0.04	1170	12.98	47.64	338.2	400	1	4529	132448	4193	88326	704	0.06	8.91																								8.91
4/29/2025 5:00	0.04	1170	12.98	47.64	338.2	400	1	4529	132451	4193	88326	704	0.06	8.91																								8.91
4/29/2025 5:15	0.04	1170	12.98	47.64	338.2	400	1	4529	132451	4193	88326	704	0.06	8.91																								8.91
4/29/2025 5:30	0.04	1170	12.98	47.64	338.2	400	1	4529	132442	4193	88326	704	0.06	8.90																								8.90
4/29/2025 5:45	0.04	1170	12.98	47.64	338.2	400	1	4529	132443	4193	88326	704	0.06	8.90																								8.90
4/29/2025 6:00	0.04	1169	12.98	47.64	338.2	400	1	4529	132424	4193	88326	704	0.06	8.90																								8.90
4/29/2025 6:15	0.04	1168	12.99	47.64	338.2	400	1	4529	132371	4193	88326	703	0.06	8.89																								8.89
4/29/2025 6:30	0.04	1166	13.00	47.64	338.2	400	1	4529	132263	4193	88326	701	0.06	8.86																								8.86
4/29/2025 6:45	0.04	1164	13.01	47.64	338.2	400	1	4529	132154	4193	88326	700	0.06	8.84																								8.84
4/29/2025 7:00	0.04	1162	13.01	47.64	338.2	400	1	4529	132088	4193	88326	699	0.06	8.82																								8.82
4/29/2025 7:15	0.04	1161	13.02	47.64	338.2	400	1	4529	132038	4193	88326	698	0.06	8.81																								8.81
4/29/2025 7:30	0.04	1162	13.02	47.64	338.2	400	1	4529	132075	4193	88326	699	0.06	8.82																								8.82
4/29/2025 7:45	0.04	1162	13.02	47.64	338.2	400	1	4529	132051	4193	88326	698	0.06	8.82																								8.82
4/29/2025 8:00	0.04	1158	13.04	47.64	338.2	400	1	4529	131855	4193	88326	696	0.06	8.77																								8.77
4/29/2025 8:15	0.04	1158	13.04	47.64	338.2	400	1	4529	131852	4193	88326	696	0.06	8.77																								8.77
4/29/2025 8:30	0.04	1159	13.03	47.64	338.2	400	1	4529	131900	4193	88326	696	0.06	8.78																								8.78
4/29/2025 8:45	0.04	1160	13.02	47.64	338.2	400	1	4529	131992	4193	88326	698	0.06	8.80																								8.80
4/29/2025 9:00	0.04	1159	13.03	47.64	338.2	400	1	4529	131913	4193	88326	696	0.06	8.79																								8.79
4/29/2025 9:15	0.04	1157	13.04	47.64	338.2	400	1	4529	131793	4193	88326	695	0.06	8.76																								8.76
4/29/2025 9:30	0.04	1155	13.05	47.64	338.2	400	1	4529	131727	4193	88326	694	0.06	8.75																								8.75
4/29/2025 9:45	0.04	1155	13.05	47.64	338.2	400	1	4529	131704	4193	88326	694	0.06	8.74																								8.74
4/29/2025 10:00	0.04	1158	13.03	47.64	338.2	400	1	4529	131883	4193	88326	696	0.06	8.78																								8.78
4/29/2025 10:15	0.04	1152	13.07	47.64	338.2	400	1	4529	131569	4193	88326	692	0.06	8.71																								8.71
4/29/2025 10:30	0.04	1151	13.07	47.64	338.2	400	1	4529	131518	4193	88326	691	0.06	8.70																								8.70
4/29/2025 10:45	0.04	1152	13.07	47.64	338.2	400	1	4529	131554	4193	88326	691	0.06	8.71																								8.71
4/29/2025 11:00	0.04	1150	13.08	47.64	338.2	400	1	4529	131460	4193	88326	690	0.06	8.69																								8.69
4/29/2025 11:15	0.04	1145	13.10	47.64	338.2	400	1	4529	131176	4193	88326	686	0.06	8.63																								8.63
4/29/2025 11:30	0.04	1145	13.10	47.64	338.2	400	1	4529	131184	4193	88326	687	0.06	8.63																								8.63
4/29/2025 11:45	0.04	1142	13.12	47.64	338.2	400	1	4529	131062	4193	88326	685	0.06	8.60																								8.60
4/29/2025 12:00	0.04	1143	13.11	47.64	338.2	400	1	4529	131094	4193	88326	685	0.06	8.61																								8.61
4/29/2025 12:15	0.04	1142	13.12	47.64	338.2	400	1	4529	131013	4193	88326	684	0.06	8.59																								8.59
4/29/2025 12:30	0.04	1142	13.12	47.64	338.2	400	1	4529	131021	4193	88326	684	0.06	8.60																								8.60
4/29/2025 12:45	0.04	1140	13.13	47.64	338.2	400	1	4529	130943	4193	88326	683	0.06	8.58																								8.58
4/29/2025 13:00	0.04	1140	13.13	47.64	338.2	400	1	4529	130936	4193	88326	683	0.06	8.58																								8.58
4/29/2025 13:15	0.04	1139	13.13	47.64	338.2	400	1	4529	130877	4193	88326	683	0.06	8.57																								8.57
4/29/2025 13:30	0.04	1139	13.13	47.64	338.2	400	1	4529	130895	4193	88326	683	0.06	8.57																								8.57
4/29/2025 13:45	0.04	1145	13.10	47.64	338.2	400	1	4529	131218	4193	88326	687	0.06	8.64																								8.64
4/29/2025 14:00	0.04	1146	13.10	47.64	338.2	400	1	4529	131269	4193	88326	688	0.06	8.65																								8.65
4/29/2025 14:15	0.04	1142	13.12	47.64	338.2	400	1	4529	131041	4193	88326	685	0.06	8.60																								8.60
4/29/2025 14:30	0.04	1139	13.14	47.64	338.2	400	1	4529	130850	4193	88326	682	0.06	8.56																								8.56
4/29/2025 14:45	0.04	1139	13.14	47.64	338.2	400	1	4529	130865	4193	88326	682	0.06	8.56																								8.56
4/29/2025 15:00	0.04	1140	13.13	47.64	338.2	400	1	4529	130908	4193	88326	683	0.06	8.57																								8.57
4/29/2025 15:15	0.04	1142	13.12	47.64	338.2	400	1	4529	131052	4193	88326	685	0.06	8.60																								8.60
4/29/2025 15:30	0.04	1145	13.10	47.64	338.2	400	1	4529	131175	4193	88326	686	0.06	8.63																								8.63
4/29/2025 15:45	0.04	1145	13.10	47.64	338.2	400	1	4529	131216	4193	88326	687	0.06	8.64																								8.64
4/29/2025 16:00	0.04	1144	13.11	47.64	338.2	400	1	4529	131157	4193	88326	686	0.06	8.62																								8.62
4/29/2025 16:15	0.04	1143	13.11	47.64	338.2	400	1	4529	131112	4193	88326	686	0.06	8.62																								8.62
4/29/2025 16:30	0.04	1144	13.11	47.64	338.2	400	1	4529	131126	4193	88326	686	0.06	8.62																								8.62
4/29/2025 16:45	0.04	1144	13.11	47.64	338.2	400	1	4529	131124	4193	88326	686	0.06	8.62																								8.62
4/29/2025 17:00	0.04	1144	13.11	47.64	338.2	400	1	4529	131133	4193	88326	686	0.06	8.62																								8.62
4/29/2025 17:15	0.04	1145	13.10	47.64	338.2	400	1	4529	131197	4193	88326	687	0.06	8.63																								8.63
4/29/2025 17:30	0.04	1143	13.11	47.64	338.2	400	1	4529	131117	4193	88326	686	0.06	8.62																								8.62
4/29/2025 17:45	0.04	1144	13.11	47.64	338.2	400	1	4529	131146	4193	88326	686	0.06	8.62																								8.62
4/29/2025 18:00	0.04	1144	13.11	47.64	338.2	400	1	4529	131133	4193	88326	686	0.06	8.62																								8.62
4/29/2025 18:15	0.04	1151	13.07	47.64	338.2	400	1	4529	131488	4193	88326	691	0.06	8.69																								8.69
4/29/2025 18:30	0.04	1149	13.08	47.64	338.2	400	1	4529	131428	4193	88326	690	0.06	8.68																								8.68
4/29/2025 18:45	0.04	1149	13.08	47.64	338.2	400	1	4529	131428	4193	88326	690	0.06	8.68																								8.68
4/29/2025 19:00	0.04	1151	13.07	47.64	338.2	400	1	4529	131498	4193	88326	691	0.06	8.70																								8.70
4/29/2025 19:15	0.04	1153	13.06	47.64	338.2	400	1	4529	131603	4193	88326	692	0.06	8.72																								8.72
4/29/2025 19:30	0.04	1154	13.05	47.64	338.2	400	1	4529	131682	4193	88326	693	0.06	8.74																								8.74
4/29/2025 19:45	0.04	1156	13.05	47.64	338.2	400	1	4529	131762	4193	88326	694	0.06	8.75																								8.75
4/29/2025 20:00	0.04	1159	13.03	47.64	338.2	400	1	4529	131913	4193	88326	696	0.06	8.79																								8.79
4/29/2025 20:15	0.04	1161	13.02	47.64	338.2	400	1	4529	132005	4193	88326	698	0.06	8.81																								8.81
4/29/2025 20:30	0.04	1162	13.02	47.64	338.2	400	1	4529	132081	4193	88326	699	0.06	8.82																								8.82
4/29/2025 20:45	0.04	1163	13.01	47.64	338.2	400	1	4529	132123	4193	88326	699	0.06	8.83																								8.83
4/29/2025 21:00	0.04	1164	13.01	47.64	338.2	400	1	4529	132166	4193	88326	700	0.06	8.84																								8.84
4/29/2025 21:15	0.04	1165	13.00	47.64	338.2	400	1	4529	132223	4193	88326	701	0.06	8.85																								8.85
4/29/2025 21:30	0.04	1166	13.00	47.64	338.2	400	1	4529	132264	4193	88326	701	0.06	8.86																								8.86
4/29/2025 21:45	0.04	1167	12.99	47.64	338.2	400	1	4529	132291	4193	88326	702	0.06	8.87																								8.87
4/29/2025 22:00	0.04	1167	12.99	47.64	338.2	400	1	4529	132320	4193	88326	702	0.06	8.88																								8.88
4/29/2025 22:15	0.04	1168	12.99	47.64	338.2	400	1	4529	132350	4193	88326	703	0.06	8.88																								8.88
4/29/2025 22:30	0.04	1168	12.99	47.64	338.2	400	1	4529	132369	4193	88326	703	0.06	8.89																								8.89
4/29/2025 22:45	0.04	1169	12.98	47.64	338.2	400	1	4529	132390	4193	88326	703	0.06	8.89																								8.89
4/29/2025 23:00	0.04	1169	12.98	47.64	338.2	400	1	4529	132405	4193	88326	703	0.06	8.90																								8.90
4/29/2025 23:15	0.04	1170	12.98	47.64	338.2	400	1	4529	132430	4193	88326	704	0.06	8.90																								8.90
4/29/2025 23:30	0.04	1170	12.98	47.64	338.2	400	1	4529	132451	4193	88326	704	0.06	8.91																								8.91
4/29/2025 23:45	0.04	1170	12.98	47.64	338.2	400	1	4529	132461	4193	88326	704	0.06	8.91																								8.91
4/30/2025 0:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134920	4193	88326	701	0.07	8.29																								8.29
4/30/2025 0:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134944	4193	88326	701	0.07	8.30																								8.30
4/30/2025 0:30	0.04	1157	12.74	47.64	338.3	400	1	4529	134958	4193	88326	702	0.07	8.30																								8.30
4/30/2025 0:45	0.04	1157	12.74	47.64	338.3	400	1	4529	134964	4193	88326	702	0.07	8.30																								8.30
4/30/2025 1:00	0.04	1157	12.74	47.64	338.3	400	1	4529	134968	4193	88326	702	0.07	8.30																								8.30
4/30/2025 1:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134968	4193	88326	702	0.07	8.30																								8.30
4/30/2025 1:30	0.04	1157	12.74	47.64	338.3	400	1	4529	134969	4193	88326	702	0.07	8.30																								8.30
4/30/2025 1:45	0.04	1158	12.74	47.64	338.3	400	1	4529	134982	4193	88326	702	0.07	8.31																								8.31
4/30/2025 2:00	0.04	1158	12.73	47.64	338.3	400	1	4529	135019	4193	88326	702	0.07	8.31																								8.31
4/30/2025 2:15	0.04	1159	12.73	47.64	338.3	400	1	4529	135033	4193	88326	703	0.07	8.32																								8.32
4/30/2025 2:30	0.04	1159	12.73	47.64	338.3	400	1	4529	135039	4193	88326	703	0.07	8.32																								8.32
4/30/2025 2:45	0.04	1159	12.73	47.64	338.3	400	1	4529	135031	4193	88326	703	0.07	8.32																								8.32
4/30/2025 3:00	0.04	1158	12.73	47.64	338.3	400	1	4529	134990	4193	88326	702	0.07	8.31																								8.31
4/30/2025 3:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134973	4193	88326	702	0.07	8.30																								8.30
4/30/2025 3:30	0.04	1157	12.74	47.64	338.3	400	1	4529	134966	4193	88326	702	0.07	8.30																								8.30
4/30/2025 3:45	0.04	1157	12.74	47.64	338.3	400	1	4529	134969	4193	88326	702	0.07	8.30																								8.30
4/30/2025 4:00	0.04	1158	12.74	47.64	338.3	400	1	4529	134979	4193	88326	702	0.07	8.31																								8.31
4/30/2025 4:15	0.04	1158	12.73	47.64	338.3	400	1	4529	134991	4193	88326	702	0.07	8.31																								8.31
4/30/2025 4:30	0.04	1158	12.73	47.64	338.3	400	1	4529	134995	4193	88326	702	0.07	8.31																								8.31
4/30/2025 4:45	0.04	1158	12.73	47.64	338.3	400	1	4529	134993	4193	88326	702	0.07	8.31																								8.31
4/30/2025 5:00	0.04	1158	12.73	47.64	338.3	400	1	4529	135000	4193	88326	702	0.07	8.31																								8.31
4/30/2025 5:15	0.04	1158	12.73	47.64	338.3	400	1	4529	135011	4193	88326	702	0.07	8.31																								8.31
4/30/2025 5:30	0.04	1158	12.73	47.64	338.3	400	1	4529	135016	4193	88326	702	0.07	8.31																								8.31
4/30/2025 5:45	0.04	1158	12.73	47.64	338.3	400	1	4529	135023	4193	88326	703	0.07	8.31																								8.31
4/30/2025 6:00	0.04	1158	12.73	47.64	338.3	400	1	4529	135025	4193	88326	703	0.07	8.31																								8.31
4/30/2025 6:15	0.04	1158	12.73	47.64	338.3	400	1	4529	135014	4193	88326	702	0.07	8.31																								8.31
4/30/2025 6:30	0.04	1158	12.73	47.64	338.3	400	1	4529	135007	4193	88326	702	0.07	8.31																								8.31
4/30/2025 6:45	0.04	1158	12.73	47.64	338.3	400	1	4529	134990	4193	88326	702	0.07	8.31																								8.31
4/30/2025 7:00	0.04	1157	12.74	47.64	338.3	400	1	4529	134971	4193	88326	702	0.07	8.30																								8.30
4/30/2025 7:15	0.04	1158	12.74	47.64	338.3	400	1	4529	134981	4193	88326	702	0.07	8.31																								8.31
4/30/2025 7:30	0.04	1158	12.74	47.64	338.3	400	1	4529	134981	4193	88326	702	0.07	8.31																								8.31
4/30/2025 7:45	0.04	1157	12.74	47.64	338.3	400	1	4529	134968	4193	88326	702	0.07	8.30																								8.30
4/30/2025 8:00	0.04	1157	12.74	47.64	338.3	400	1	4529	134964	4193	88326	702	0.07	8.30																								8.30
4/30/2025 8:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134935	4193	88326	701	0.07	8.30																								8.30
4/30/2025 8:30	0.04	1155	12.75	47.64	338.3	400	1	4529	134837	4193	88326	700	0.07	8.28																								8.28
4/30/2025 8:45	0.04	1154	12.75	47.64	338.3	400	1	4529	134814	4193	88326	700	0.07	8.27																								8.27
4/30/2025 9:00	0.04	1154	12.75	47.64	338.3	400	1	4529	134802	4193	88326	700	0.07	8.27																								8.27
4/30/2025 9:15	0.04	1154	12.76	47.64	338.3	400	1	4529	134773	4193	88326	699	0.07	8.26																								8.26
4/30/2025 9:30	0.04	1155	12.75	47.64	338.3	400	1	4529	134827	4193	88326	700	0.07	8.27																								8.27
4/30/2025 9:45	0.04	1152	12.76	47.64	338.3	400	1	4529	134714	4193	88326	698	0.07	8.25																								8.25
4/30/2025 10:00	0.04	1154	12.75	47.64	338.3	400	1	4529	134775	4193	88326	699	0.07	8.26																								8.26
4/30/2025 10:15	0.04	1154	12.75	47.64	338.3	400	1	4529	134793	4193	88326	699	0.07	8.27																								8.27
4/30/2025 10:30	0.04	1155	12.75	47.64	338.3	400	1	4529	134868	4193	88326	700	0.07	8.28																								8.28
4/30/2025 10:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134888	4193	88326	701	0.07	8.29																								8.29
4/30/2025 11:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134883	4193	88326	701	0.07	8.29																								8.29
4/30/2025 11:15	0.04	1156	12.74	47.64	338.3	400	1	4529	134915	4193	88326	701	0.07	8.29																								8.29
4/30/2025 11:30	0.04	1156	12.74	47.64	338.3	400	1	4529	134903	4193	88326	701	0.07	8.29																								8.29
4/30/2025 11:45	0.04	1157	12.74	47.64	338.3	400	1	4529	134926	4193	88326	701	0.07	8.29																								8.29
4/30/2025 12:00	0.04	1157	12.74	47.64	338.3	400	1	4529	134967	4193	88326	702	0.07	8.30																								8.30
4/30/2025 12:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134943	4193	88326	701	0.07	8.30																								8.30
4/30/2025 12:30	0.04	1157	12.74	47.64	338.3	400	1	4529	134926	4193	88326	701	0.07	8.29																								8.29
4/30/2025 12:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134925	4193	88326	701	0.07	8.29																								8.29
4/30/2025 13:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134913	4193	88326	701	0.07	8.29																								8.29
4/30/2025 13:15	0.04	1156	12.74	47.64	338.3	400	1	4529	134899	4193	88326	701	0.07	8.29																								8.29
4/30/2025 13:30	0.04	1156	12.74	47.64	338.3	400	1	4529	134894	4193	88326	701	0.07	8.29																								8.29
4/30/2025 13:45	0.04	1157	12.74	47.64	338.3	400	1	4529	134965	4193	88326	702	0.07	8.30																								8.30
4/30/2025 14:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134922	4193	88326	701	0.07	8.29																								8.29
4/30/2025 14:15	0.04	1157	12.74	47.64	338.3	400	1	4529	134931	4193	88326	701	0.07	8.30																								8.30
4/30/2025 14:30	0.04	1157	12.74	47.64	338.3	400	1	4529	134927	4193	88326	701	0.07	8.29																								8.29
4/30/2025 14:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134919	4193	88326	701	0.07	8.29																								8.29
4/30/2025 15:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134913	4193	88326	701	0.07	8.29																								8.29
4/30/2025 15:15	0.04	1156	12.75	47.64	338.3	400	1	4529	134877	4193	88326	701	0.07	8.28																								8.28
4/30/2025 15:30	0.04	1156	12.74	47.64	338.3	400	1	4529	134889	4193	88326	701	0.07	8.29																								8.29
4/30/2025 15:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134896	4193	88326	701	0.07	8.29																								8.29
4/30/2025 16:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134901	4193	88326	701	0.07	8.29																								8.29
4/30/2025 16:15	0.04	1156	12.74	47.64	338.3	400	1	4529	134893	4193	88326	701	0.07	8.29																								8.29
4/30/2025 16:30	0.04	1156	12.75	47.64	338.3	400	1	4529	134880	4193	88326	701	0.07	8.29																								8.29
4/30/2025 16:45	0.04	1155	12.75	47.64	338.3	400	1	4529	134842	4193	88326	700	0.07	8.28																								8.28
4/30/2025 17:00	0.04	1154	12.75	47.64	338.3	400	1	4529	134822	4193	88326	700	0.07	8.27																								8.27
4/30/2025 17:15	0.04	1154	12.75	47.64	338.3	400	1	4529	134820	4193	88326	700	0.07	8.27																								8.27
4/30/2025 17:30	0.04	1154	12.75	47.64	338.3	400	1	4529	134785	4193	88326	699	0.07	8.27																								8.27
4/30/2025 17:45	0.04	1154	12.76	47.64	338.3	400	1	4529	134771	4193	88326	699	0.07	8.26																								8.26
4/30/2025 18:00	0.04	1152	12.76	47.64	338.3	400	1	4529	134704	4193	88326	698	0.06	8.25																								8.25
4/30/2025 18:15	0.04	1156	12.75	47.64	338.3	400	1	4529	134877	4193	88326	701	0.07	8.28																								8.28
4/30/2025 18:30	0.04	1156	12.74	47.64	338.3	400	1	4529	134884	4193	88326	701	0.07	8.29																								8.29
4/30/2025 18:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134881	4193	88326	701	0.07	8.29																								8.29
4/30/2025 19:00	0.04	1156	12.74	47.64	338.3	400	1	4529	134885	4193	88326	701	0.07	8.29																								8.29
4/30/2025 19:15	0.04	1156	12.74	47.64	338.3	400	1	4529	134897	4193	88326	701	0.07	8.29																								8.29
4/30/2025 19:30	0.04	1155	12.75	47.64	338.3	400	1	4529	134835	4193	88326	700	0.07	8.28																								8.28
4/30/2025 19:45	0.04	1156	12.74	47.64	338.3	400	1	4529	134897	4193	88326	701	0.07	8.29																								8.29

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%
4/30/2025 20:00	1.02	1.30	100.0	27.63	2.86	38.05	736	782	829	-5.00	1063	1157	-5	44.9	0.147	0.93	0.33	0.00
4/30/2025 20:15	1.02	1.30	100.0	27.10	2.93	38.17	737	794	835	-5.00	1069	1162	-5	44.7	0.146	0.93	0.33	0.00
4/30/2025 20:30	1.02	1.30	100.0	23.56	3.24	37.32	728	793	836	-5.00	1074	1165	-5	45.0	0.147	0.94	0.33	0.00
4/30/2025 20:45	1.00	1.30	100.0	31.89	2.98	36.77	721	793	828	-5.00	1057	1161	-5	45.1	0.148	0.94	0.33	0.00
4/30/2025 21:00	1.01	1.30	100.0	30.93	3.60	36.60	706	788	826	-5.00	1047	1163	-5	45.1	0.148	0.94	0.33	0.00
4/30/2025 21:15	1.02	1.30	100.0	31.95	2.87	37.24	696	789	798	-5.00	1039	1154	-5	44.8	0.146	0.93	0.33	0.00
4/30/2025 21:30	1.03	1.30	100.0	27.84	2.87	36.92	698	794	779	-5.00	1041	1146	-5	44.5	0.145	0.92	0.33	0.00
4/30/2025 21:45	1.20	1.30	100.0	26.27	2.40	37.92	699	789	807	-5.00	1044	1148	-5	44.3	0.143	0.90	0.33	0.00
4/30/2025 22:00	1.26	1.31	100.0	30.01	2.93	38.29	700	776	822	-5.00	1043	1158	-5	43.9	0.141	0.88	0.33	0.00
4/30/2025 22:15	1.27	1.32	100.0	37.03	3.11	38.54	699	770	815	-5.00	1039	1153	-5	43.6	0.140	0.87	0.33	0.00
4/30/2025 22:30	1.29	1.32	100.0	31.44	3.01	39.18	708	778	820	-5.00	1047	1157	-5	43.8	0.141	0.88	0.33	0.00
4/30/2025 22:45	1.25	1.32	100.0	26.17	3.01	39.26	710	795	786	-5.00	1039	1138	-5	44.0	0.142	0.89	0.33	0.00
4/30/2025 23:00	1.36	1.33	100.0	25.84	2.92	39.09	726	795	738	-5.00	1040	1123	-5	44.3	0.144	0.89	0.33	0.00

Flare Gas Composition / Property Calculations

	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity
																LFLvg	NHVvg			NHVcz-limit	
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s
4/30/2025 20:00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 20:15	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 20:30	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 20:45	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 21:00	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 21:15	48.95	0.00	2.09	0.02	0.94	38.56	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 21:30	48.96	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 21:45	48.97	0.00	2.09	0.02	0.94	38.57	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1156	12.74	47.64	338.3	400
4/30/2025 22:00	48.98	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1157	12.74	47.64	338.3	400
4/30/2025 22:15	48.98	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1157	12.74	47.64	338.3	400
4/30/2025 22:30	48.98	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1157	12.74	47.64	338.3	400
4/30/2025 22:45	48.97	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1157	12.74	47.64	338.3	400
4/30/2025 23:00	48.97	0.00	2.09	0.02	0.94	38.58	2.30	1.44	0.00	1.39	1.09	0.00	0.89	0.39	0.69	0.04	1157	12.74	47.64	338.3	400

ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	1					NHVcz			2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
4/30/2025 20:00	1	4529	134905	4193	88326	701	0.07	8.29																								8.29
4/30/2025 20:15	1	4529	134908	4193	88326	701	0.07	8.29																								8.29
4/30/2025 20:30	1	4529	134902	4193	88326	701	0.07	8.29																								8.29
4/30/2025 20:45	1	4529	134900	4193	88326	701	0.07	8.29																								8.29
4/30/2025 21:00	1	4529	134900	4193	88326	701	0.07	8.29																								8.29
4/30/2025 21:15	1	4529	134907	4193	88326	701	0.07	8.29																								8.29
4/30/2025 21:30	1	4529	134913	4193	88326	701	0.07	8.29																								8.29
4/30/2025 21:45	1	4529	134923	4193	88326	701	0.07	8.29																								8.29
4/30/2025 22:00	1	4529	134934	4193	88326	701	0.07	8.30																								8.30
4/30/2025 22:15	1	4529	134940	4193	88326	701	0.07	8.30																								8.30
4/30/2025 22:30	1	4529	134936	4193	88326	701	0.07	8.30																								8.30
4/30/2025 22:45	1	4529	134931	4193	88326	701	0.07	8.30																								8.30
4/30/2025 23:00	1	4529	134928	4193	88326	701	0.07	8.29																								8.29

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
5/2/2025 16:45	1.05	1.08	100.0	44.01	4.57	39.40	767	741	756	-5.00	1042	1017	-5	73.5
5/2/2025 17:00	1.05	1.09	100.0	43.56	4.60	40.23	775	739	760	-5.00	1057	1026	-5	74.1
5/2/2025 17:15	1.05	1.08	100.0	31.64	4.06	39.85	772	739	759	-5.00	1071	1033	-5	73.8
5/2/2025 17:30	1.04	1.08	100.0	42.82	4.45	39.67	771	740	757	-5.00	1048	1024	-5	73.8
5/2/2025 17:45	1.04	1.08	100.0	43.65	4.45	39.52	767	737	758	-5.00	1057	1025	-5	75.3
5/2/2025 18:00	1.04	1.08	100.0	42.09	4.69	40.48	768	751	758	-5.00	1082	1026	-5	73.9
5/2/2025 18:15	1.04	1.08	100.0	44.81	4.30	40.41	757	763	747	-5.00	1094	1017	-5	73.0
5/2/2025 18:30	1.04	1.07	100.0	34.61	4.44	40.58	746	796	748	-5.00	1184	1041	-5	73.6
5/2/2025 18:45	1.04	1.08	100.0	55.85	5.46	40.18	756	774	749	-5.00	1121	1064	-5	72.3
5/2/2025 19:00	1.04	1.08	100.0	46.27	4.89	40.77	753	778	750	-5.00	1130	1028	-5	69.2
5/2/2025 19:15	1.04	1.08	100.0	42.83	4.81	41.27	750	770	749	-5.00	1122	1022	-5	67.7
5/2/2025 19:30	1.04	1.08	100.0	43.55	4.81	41.35	754	771	751	-5.00	1149	1031	-5	66.4
5/2/2025 19:45	1.05	1.08	100.0	43.96	4.81	41.49	754	771	750	-5.00	1146	1021	-5	65.6
5/2/2025 20:00	1.06	1.08	100.0	43.77	4.71	40.77	750	776	752	-5.00	1156	1027	-5	64.6
5/2/2025 20:15	1.04	1.07	100.0	45.72	4.50	40.76	734	799	758	-5.00	1273	1044	-5	62.3
5/2/2025 20:30	1.04	1.07	100.0	35.48	4.43	40.99	736	797	754	-5.00	1264	1039	-5	60.9
5/2/2025 20:45	1.04	1.07	100.0	40.10	4.37	41.62	735	796	757	-5.00	1259	1023	-5	59.5
5/2/2025 21:00	1.04	1.07	100.0	40.28	4.33	40.55	739	800	759	-5.00	1189	1011	-5	58.8
5/2/2025 21:15	1.05	1.08	100.0	48.91	4.76	41.42	746	799	759	-5.00	1164	1029	-5	57.7
5/2/2025 21:30	1.05	1.08	100.0	36.34	4.97	41.30	748	792	757	-5.00	1158	1011	-5	56.9
5/2/2025 21:45	1.05	1.08	100.0	41.93	4.46	40.51	752	795	758	-5.00	1184	1051	-5	56.4
5/2/2025 22:00	1.05	1.08	100.0	40.56	4.46	40.26	741	799	784	-5.00	1092	1109	-5	56.0
5/2/2025 22:15	1.05	1.08	100.0	46.85	4.52	40.05	755	796	748	-5.00	1077	1119	-5	55.0
5/2/2025 22:30	1.05	1.08	100.0	38.78	4.46	40.24	761	793	721	-5.00	1114	1065	-5	52.7
5/2/2025 22:45	1.05	1.08	100.0	45.36	4.45	39.77	759	790	735	-5.00	1146	1069	-5	52.0
5/2/2025 23:00	1.05	1.08	100.0	39.69	4.49	40.42	757	789	738	-5.00	1125	1072	-5	51.1
5/2/2025 23:15	1.04	1.07	100.0	39.29	4.26	40.07	758	790	752	-5.00	1124	1079	-5	50.7
5/2/2025 23:30	1.05	1.08	100.0	50.99	4.67	39.99	739	795	775	-5.00	1093	1104	-5	50.3
5/2/2025 23:45	1.05	1.09	100.0	44.33	4.68	39.24	733	801	751	-5.00	1047	1119	-5	50.2
5/3/2025 0:00	1.05	1.09	100.0	39.47	4.17	40.04	745	798	742	-5.00	1044	1110	-5	49.7
5/3/2025 0:15	1.05	1.09	100.0	33.30	4.06	39.72	751	795	736	-5.00	1075	1096	-5	49.4
5/3/2025 0:30	1.05	1.09	100.0	45.90	4.44	39.38	743	798	743	-5.00	1055	1099	-5	49.2
5/3/2025 0:45	1.05	1.09	100.0	46.51	4.85	40.10	736	798	764	-5.00	1049	1107	-5	49.2
5/3/2025 1:00	1.05	1.09	100.0	41.72	4.44	39.59	724	799	806	-5.00	1050	1125	-5	49.3
5/3/2025 1:15	1.05	1.09	100.0	45.98	4.63	39.20	718	804	800	-5.00	1046	1137	-5	49.3
5/3/2025 1:30	1.05	1.09	100.0	38.78	4.28	39.27	731	796	785	-5.00	1052	1123	-5	49.3
5/3/2025 1:45	1.05	1.09	100.0	54.77	4.84	39.43	731	797	776	-5.00	1055	1121	-5	49.3
5/3/2025 2:00	1.05	1.09	100.0	48.98	5.14	39.68	746	792	776	-5.00	1070	1106	-5	49.6
5/3/2025 2:15	1.05	1.09	100.0	56.10	5.55	39.33	735	798	759	-5.00	1052	1117	-5	49.0
5/3/2025 2:30	1.05	1.09	100.0	52.58	4.91	39.13	743	793	751	-5.00	1065	1103	-5	47.2
5/3/2025 2:45	1.05	1.09	100.0	41.88	4.72	39.21	743	791	793	-5.00	1087	1113	-5	47.9
5/3/2025 3:00	1.05	1.09	100.0	42.17	4.03	39.52	752	792	787	-5.00	1106	1108	-5	49.0
5/3/2025 3:15	1.05	1.09	100.0	33.32	4.25	39.29	755	795	777	-5.00	1085	1110	-5	48.7
5/3/2025 3:30	1.05	1.09	100.0	42.56	4.50	38.14	756	792	759	-5.00	1102	1103	-5	47.6
5/3/2025 3:45	1.05	1.09	100.0	34.47	4.32	38.52	747	791	766	-5.00	1101	1100	-5	47.5
5/3/2025 4:00	1.05	1.09	100.0	42.21	4.74	39.25	745	794	747	-5.00	1073	1118	-5	47.4
5/3/2025 4:15	1.06	1.09	100.0	45.92	4.78	38.91	751	794	740	-5.00	1077	1098	-5	46.6
5/3/2025 4:30	1.07	1.10	100.0	46.55	5.08	39.44	754	790	742	-5.00	1102	1098	-5	46.0
5/3/2025 4:45	1.07	1.11	100.0	41.96	4.67	40.47	755	789	746	-5.00	1104	1097	-5	45.9
5/3/2025 5:00	1.06	1.10	100.0	39.01	4.90	39.72	757	790	758	-5.00	1103	1092	-5	46.9
5/3/2025 5:15	1.05	1.09	100.0	39.99	4.23	39.11	753	790	761	-5.00	1090	1102	-5	46.6
5/3/2025 5:30	1.05	1.09	100.0	43.44	4.91	38.72	751	789	771	-5.00	1097	1097	-5	47.2
5/3/2025 5:45	1.05	1.09	100.0	48.36	4.44	39.38	739	791	782	-5.00	1072	1115	-5	45.7
5/3/2025 6:00	1.05	1.09	100.0	30.83	5.20	39.16	740	790	791	-5.00	1087	1118	-5	47.0
5/3/2025 6:15	1.05	1.09	100.0	37.35	4.40	38.55	739	788	798	-5.00	1075	1120	-5	47.2
5/3/2025 6:30	1.05	1.09	100.0	45.68	4.55	38.95	735	788	803	-5.00	1073	1130	-5	46.5
5/3/2025 6:45	1.05	1.09	100.0	44.38	4.67	39.03	744	789	781	-5.00	1073	1114	-5	45.6
5/3/2025 7:00	1.06	1.10	100.0	52.35	4.86	38.55	744	789	782	-5.00	1074	1114	-5	46.1
5/3/2025 7:15	1.05	1.09	100.0	45.07	4.28	38.47	749	789	773	-5.00	1087	1114	-5	46.9
5/3/2025 7:30	1.06	1.09	100.0	48.93	4.88	37.48	747	788	763	-5.00	1094	1111	-5	45.7
5/3/2025 7:45	1.06	1.09	100.0	56.30	5.07	37.84	743	786	762	-5.00	1076	1107	-5	46.3
5/3/2025 8:00	1.06	1.09	100.0	54.55	5.41	38.47	742	788	750	-5.00	1084	1107	-5	46.7
5/3/2025 8:15	1.06	1.10	100.0	44.62	4.50	38.76	737	789	729	-5.00	1066	1107	-5	46.2
5/3/2025 8:30	1.06	1.09	100.0	48.83	4.59	38.77	731	793	717	-5.00	1046	1106	-5	45.6
5/3/2025 8:45	1.06	1.10	100.0	42.71	4.53	38.07	715	798	716	-5.00	1037	1105	-5	46.9
5/3/2025 9:00	1.06	1.10	100.0	41.72	4.58	38.79	697	794	720	-5.00	1035	1107	-5	47.0
5/3/2025 9:15	1.06	1.10	100.0	41.56	4.24	38.58	687	783	749	-5.00	1028	1113	-5	48.5
5/3/2025 9:30	1.06	1.10	100.0	44.86	4.57	38.39	707	771	772	-5.00	1029	1110	-5	49.1
5/3/2025 9:45	1.06	1.10	100.0	38.93	4.37	38.87	681	785	751	-5.00	1026	1122	-5	49.1
5/3/2025 10:00	1.07	1.10	100.0	51.00	5.17	38.91	675	797	741	-5.00	1024	1130	-5	49.1
5/3/2025 10:15	1.07	1.10	100.0	47.23	4.46	38.71	680	785	770	-5.00	1024	1135	-5	49.9
5/3/2025 10:30	1.07	1.10	100.0	43.68	4.38	38.81	733	762	778	-5.00	1025	1148	-5	49.7
5/3/2025 10:45	1.06	1.10	100.0	40.84	4.45	38.49	756	745	759	-5.00	1004	1154	-5	48.9
5/3/2025 11:00	1.06	1.10	100.0	48.75	4.37	38.89	751	748	759	-5.00	1006	1147	-5	48.5
5/3/2025 11:15	1.06	1.10	100.0	49.72	4.77	38.57	734	761	759	-5.00	1030	1152	-5	47.9
5/3/2025 11:30	1.06	1.10	100.0	46.06	4.51	38.36	736	764	788	-5.00	1037	1153	-5	47.8
5/3/2025 11:45	1.06	1.09	100.0	41.14	4.19	38.24	720	772	811	-5.00	1049	1157	-5	49.3
5/3/2025 12:00	1.06	1.09	100.0	45.09	4.77	38.58	737	764	778	-5.00	1049	1155	-5	50.1
5/3/2025 12:15	1.05	1.09	100.0	54.89	4.52	38.03	752	772	739	-5.00	1049	1155	-5	51.1
5/3/2025 12:30	1.05	1.09	100.0	53.04	4.55	37.63	748	780	700	-5.00	1042	1142	-5	50.6
5/3/2025 12:45	1.05	1.08	100.0	42.96	4.60	39.09	745	780	682	-5.00	1015	1117	-5	49.6
5/3/2025 13:00	1.04	1.08	100.0	39.90	4.07	38.39	753	793	684	-5.00	1050	1129	-5	50.0
5/3/2025 13:15	1.04	1.08	100.0	48.62	5.09	38.90	758	807	703	-5.00	1067	1150	-5	51.4
5/3/2025 13:30	1.04	1.08	100.0	40.83	4.87	38.83	744	791	665	-5.00	1038	1125	-5	52.5
5/3/2025 13:45	1.04	1.07	100.0	47.51	4.41	38.32	745	775	661	-5.00	1035	1109	-5	52.6
5/3/2025 14:00	1.03	1.07	100.0	44.55	4.05	38.76	749	776	655	-5.00	1046	1126	-5	51.3
5/3/2025 14:15	1.03	1.07	100.0	53.36	4.62	38.79	754	785	669	-5.00	1033	1130	-5	50.0
5/3/2025 14:30	1.15	1.16	100.0	52.62	6.22	41.74	758	791	688	-5.00	1027	1137	-5	50.2
5/3/2025 14:45	1.13	1.16	100.0	62.09	6.42	43.85	765	775	731	-5.00	1040	1154	-5	51.9
5/3/2025 15:00	1.04	1.08	100.0	55.70	4.80	42.11	762	780	729	-5.00	1055	1154	-5	52.5
5/3/2025 15:15	1.03	1.06	100.0	47.35	5.07	40.50	751	781	674	-5.00	1044	1139	-5	50.6
5/3/2025 15:30	1.08	1.11	100.0	57.06	7.10	42.80	753	780	665	-5.00	1044	1127	-5	49.8
5/3/2025 15:45	1.09	1.12	100.0	72.86	7.03	41.37	762	792	673	-5.00	1046	1133	-5	48.8
5/3/2025 16:00	1.05	1.08	100.0	62.36	5.42	39.88	774	811	683	-5.00	1031	1127	-5	48.8
5/3/2025 16:15	1.06	1.09	100.0	68.05	5.77	42.30	769	809	676	-5.00	1010	1117	-5	48.9
5/3/2025 16:30	0.98	1.02	100.0	45.89	4.85	39.62	768	811	680	-5.00	1020	1121	-5	48.6
5/3/2025 16:45	1.00	1.04	100.0	39.24	4.59	39.09	777	799	690	-5.00	1049	1126	-5	48.6
5/3/2025 17:00	1.00	1.04	100.0	37.85	4.62	38.81	779	791	695	-5.00	1050	1141	-5	48.9
5/3/2025 17:15	1.00	1.03	100.0	44.77	4.50	38.73	774	793	685	-5.00	1052	1131	-5	48.5
5/3/2025 17:30	1.00	1.03	100.0	40.61	4.46	38.77	772	792	683	-5.00	1049	1129	-5	48.7
5/3/2025 17:45	0.99	1.03	100.0	55.28	5.03	39.33	775	793	695	-5.00	1054	1144	-5	48.6
5/3/2025 18:00	1.00	1.03	100.0	50.87	4.56	38.52	764	774	690	-5.00	1027	1109	-5	48.0
5/3/2025 18:15	0.99	1.03	100.0	43.13	4.10	38.74	770	786	695	-5.00	1038	1120	-5	47.8
5/3/2025 18:30	1.01	1.04	100.0	50.36	4.56	39.25	780	802	696	-5.00	1060	1144	-5	47.7
5/3/2025 18:45	1.01	1.05	100.0	40.97	4.80	39.61	779	800	697	-5.00	1062	1138	-5	47.2
5/3/2025 19:00	1.00	1.04	100.0	38.83	4.50	39.15	777	806	687	-5.00	1039	1129	-5	47.1
5/3/2025 19:15	1.00	1.03	100.0	45.27	3.86	39.02	774	810	686	-5.00	1023	1123	-5	46.9
5/3/2025 19:30	1.00	1.03	100.0	54.00	5.16	37.75	779	816	711	-5.00	1061	1154	-5	47.0
5/3/2025 19:45	1.01	1.05	100.0	47.84	4.93	38.59	785	810	726	-5.00	1071	1162	-5	46.4
5/3/2025 20:00	1.02	1.05	100.0	61.09	5.44	39.77	779	792	808	-5.00	1085	1169	-5	45.7
5/3/2025 20:15	1.03	1.06	100.0	42.03	4.38	41.17	770	790	838	-5.00	1084	1168	-5	45.4
5/3/2025 20:30	1.03	1.07	100.0	50.13	6.06	42.54	741	804	843	-5.00	1076	1158	-5	45.3
5/3/2025 20:45	1.03	1.07	100.0	59.86	5.66	42.39	713	811	806	-5.00	1043	1151	-5	45.5
5/3/2025 21:00	1.04	1.07	100.0	34.63	4.66	42.50	716	802	822	-5.00	1052	1145	-5	46.1
5/3/2025 21:15	1.03	1.06	100.0	43.22	4.94	41.95	721	799	825	-5.00	1062	1155	-5	46.4
5/3/2025 21:30	1.02	1.06	100.0	41.47	5.03	41.26	713	805	827	-5.00	1044	1152	-5	46.4
5/3/2025 21:45	1.03	1.06	100.0	50.79	4.93	40.92	714	803	815	-5.00	1051	1145	-5	46.6
5/3/2025 22:00	1.03	1.06	100.0	52.69	5.06	42.04	711	794	817	-5.00	1052	1141	-5	47.2
5/3/2025 22:15	1.05	1.08	100.0	36.58	3.97	41.24	719	796	809	-5.00	1059	1134	-5	48.2
5/3/2025 22:30	1.06	1.09	100.0	62.03	6.34	41.18	712	800	809	-5.00	1051	1138	-5	48.0
5/3/2025 22:45	1.05	1.08	100.0	46.24	5.51	41.70	700	798	834	-5.00	1032	1155	-5	48.1
5/3/2025 23:00	1.05	1.08	100.0	37.30	4.18	42.01	700	802	839	-5.00	1033	1159	-5	47.9
5/3/2025 23:15	1.05	1.08	100.0	50.70	4.30	42.42	705	797	812	-5.00	1042	1143	-5	48.1
5/3/2025 23:30	1.06	1.09	100.0	43.54	5.12	42.92	746	790	767	-5.00	1069	1114	-5	48.7
5/3/2025 23:45	1.06	1.09	100.0	57.24	5.25	42.38	744	788	765	-5.00	1081	1117	-5	48.3
5/4/2025 0:00	1.06	1.10	100.0	52.07	5.07	42.81	751	788	750	-5.00	1105	1105	-5	48.3
5/4/2025 0:15	1.06	1.09	100.0	57.86	6.76	43.12	753	793	755	-5.00	1139	1082	-5	48.3
5/4/2025 0:30	1.06	1.09	100.0	36.63	5.82	42.33	755	795	760	-5.00	1155	1077	-5	48.0
5/4/2025 0:45	1.07	1.10	100.0	67.80	6.31	42.22	755	794	748	-5.00	1148	1071	-5	47.1
5/4/2025 1:00	1.09	1.11	100.0	54.76	5.92	42.45	746	791	779	-5.00	1102	1099	-5	46.6
5/4/2025 1:15	1.08	1.10	100.0	53.67	5.86	39.88	745	790	781	-5.00	1084	1105	-5	45.9
5/4/2025 1:30	1.06	1.09	100.0	59.63	5.23	40.86	750	792	781	-5.00	1098	1102	-5	46.1
5/4/2025 1:45	1.06	1.09	100.0	64.51	5.04	42.64	755	795	772	-5.00	1118	1098	-5	45.9
5/4/2025 2:00	1.06	1.09	100.0	45.63	5.58	42.74	753	791	764	-5.00	1097	1098	-5	45.4
5/4/2025 2:15	1.06	1.09	100.0	45.32	4.93	41.95	752	792	768	-5.00	1105	1097	-5	45.5
5/4/2025 2:30	1.07	1.09	100.0	57.11	4.69	42.08	753	793	756	-5.00	1093	1104	-5	45.2
5/4/2025 2:45	1.07	1.10	100.0	70.65	6.75	42.35	756	788	745	-5.00	1096	1099	-5	45.3
5/4/2025 3:00	1.06	1.09	100.0	57.52	5.90	42.54	755	787	737	-5.00	1106	1094	-5	45.2
5/4/2025 3:15	1.06	1.09	100.0	91.02	6.62	42.64	755	791	739	-5.00	1133	1079	-5	45.7
5/4/2025 3:30	1.07	1.10	100.0	40.77	4.52	42.44	751	788	745	-5.00	1116	1087	-5	45.3
5/4/2025 3:45	1.07	1.10	100.0	51.45	5.64	43.02	752	788	746	-5.00	1108	1092	-5	45.8
5/4/2025 4:00	1.06	1.09	100.0	42.61	4.61	43.65	750	786	745	-5.00	1098	1100	-5	45.8
5/4/2025 4:15	1.07	1.10	100.0	45.68	5.56	43.11	741	786	764	-5.00	1083	1110	-5	46.1
5/4/2025 4:30	1.07	1.10	100.0	62.42	6.40	43.64	739	787	774	-5.00	1091	1109	-5	45.9
5/4/2025 4:45	1.07	1.10	100.0	31.61	4.85	44.39	748	787	754	-5.00	1079	1109	-5	45.8
5/4/2025 5:00	1.07	1.09	100.0	63.73	6.37	43.03	752	788	739	-5.00	1104	1098	-5	46.0
5/4/2025 5:15	1.06	1.09	100.0	36.90	4.99	45.10	750	789	750	-5.00	1125	1092	-5	46.3
5/4/2025 5:30	1.06	1.09	100.0	31.66	5.35	43.50	750	793	755	-5.00	1145	1081	-5	46.5
5/4/2025 5:45	1.06	1.09	100.0	43.96	5.14	43.99	747	797	759	-5.00	1202	1072	-5	46.5
5/4/2025 6:00	1.07	1.09	100.0	44.11	4.42	43.52	745	795	756	-5.00	1207	1069	-5	46.6
5/4/2025 6:15	1.07	1.10	100.0	41.87	5.34	43.06	745	794	757	-5.00	1148	1080	-5	46.8
5/4/2025 6:30	1.07	1.10	100.0	48.67	6.01	43.18	749	796	761	-5.00	1157	1090	-5	47.1
5/4/2025 6:45	1.07	1.10	100.0	58.12	5.24	43.05	745	794	747	-5.00	1205	1062	-5	47.4
5/4/2025 7:00	1.08	1.11	100.0	56.51	5.95	42.20	743	793	744	-5.00	1191	1060	-5	47.5
5/4/2025 7:15	1.08	1.10	100.0	67.56	7.18	41.89	744	792	736	-5.00	1167	1070	-5	47.7
5/4/2025 7:30	1.08	1.11	100.0	50.45	5.61	42.49	746	784	726	-5.00	1140	1092	-5	47.9
5/4/2025 7:45	1.08	1.11	100.0	47.86	5.51	42.68	742	784	721	-5.00	1129	1096	-5	48.8
5/4/2025 8:00	1.09	1.12	100.0	42.15	5.42	43.84	733	785	722	-5.00	1110	1098	-5	49.4
5/4/2025 8:15	1.09	1.12	100.0	46.58	5.48	43.38	727	788	715	-5.00	1077	1108	-5	50.0
5/4/2025 8:30	1.10	1.12	100.0	40.34	4.99	43.90	721	793	697	-5.00	1047	1102	-5	51.1
5/4/2025 8:45	1.10	1.13	100.0	42.50	5.19	43.50	700	800	694	-5.00	1037	1104	-5	51.5
5/4/2025 9:00	1.10	1.13	100.0	39.57	4.86	43.26	710	798	713	-5.00	1061	1113	-5	51.9
5/4/2025 9:15	1.10	1.13	100.0	53.64	5.90	42.75	726	795	691	-5.00	1075	1108	-5	52.6
5/4/2025 9:30	1.10	1.13	100.0	49.81	5.22	42.30	742	796	659	-5.00	1072	1092	-5	52.8
5/4/2025 9:45	1.10	1.13	100.0	43.98	4.63	42.60	724	785	682	-5.00	1112	1072	-5	52.6
5/4/2025 10:00	1.03	1.07	100.0	40.94	5.05	43.87	693	787	697	-5.00	1092	1071	-5	52.3
5/4/2025 10:15	0.95	0.98	100.0	29.90	4.99	43.91	707	788	700	-5.00	1082	1075	-5	52.9
5/4/2025 10:30	0.95	0.98	100.0	48.26	5.29	42.91	722	774	747	-5.00	1056	1088	-5	52.6
5/4/2025 10:45	0.95	0.97	100.0	33.52	4.86	42.26	707	777	752	-5.00	1047	1099	-5	52.1
5/4/2025 11:00	0.94	0.97	100.0	47.42	5.06	42.05	763	769	788	-5.00	1049	1104	-5	51.0
5/4/2025 11:15	0.94	0.97	100.0	38.34	4.81	41.38	762	769	789	-5.00	1052	1100	-5	50.3
5/4/2025 11:30	0.93	0.96	100.0	47.36	5.23	40.87	778	772	781	-5.00	1063	1089	-5	51.0
5/4/2025 11:45	0.93	0.96	100.0	46.28	5.03	40.93	781	768	786	-5.00	1059	1096	-5	51.0
5/4/2025 12:00	0.93	0.96	100.0	40.43	4.75	40.98	766	769	767	-5.00	1097	1072	-5	52.0
5/4/2025 12:15	0.93	0.96	100.0	52.88	4.94	40.64	748	772	748	-5.00	1108	1064	-5	52.3
5/4/2025 12:30	0.93	0.96	100.0	46.03	4.90	40.36	778	773	772	-5.00	1067	1086	-5	51.2
5/4/2025 12:45	0.92	0.95	100.0	42.62	4.62	40.07	793	765	773	-5.00	1048	1115	-5	50.4
5/4/2025 13:00	0.92	0.95	100.0	38.74	4.74	40.34	801	751	758	-5.00	1035	1125	-5	50.2
5/4/2025 13:15	0.92	0.95	100.0	36.87	4.67	40.65	792	756	779	-5.00	1052	1100	-5	50.1

Calculated Data — Flare Gas Composition

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
5/2/2025 16:45	0.409	2.60	0.26	0.00	39.33	0.00	5.19	0.00	0.73	44.80	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 17:00	0.417	2.65	0.26	0.00	39.31	0.00	5.19	0.00	0.73	44.78	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 17:15	0.412	2.62	0.26	0.00	39.32	0.00	5.19	0.00	0.73	44.79	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 17:30	0.412	2.62	0.26	0.00	39.32	0.00	5.19	0.00	0.73	44.79	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 17:45	0.434	2.76	0.26	0.00	39.27	0.00	5.18	0.00	0.73	44.73	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 18:00	0.415	2.64	0.26	0.00	39.31	0.00	5.19	0.00	0.73	44.78	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 18:15	0.402	2.56	0.26	0.00	39.34	0.00	5.19	0.00	0.73	44.82	2.60	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 18:30	0.409	2.60	0.26	0.00	39.33	0.00	5.19	0.00	0.73	44.80	2.59	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 18:45	0.393	2.50	0.26	0.00	39.37	0.00	5.20	0.00	0.73	44.84	2.60	1.04	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 19:00	0.353	2.24	0.26	0.00	39.46	0.00	5.21	0.00	0.73	44.95	2.60	1.05	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 19:15	0.335	2.13	0.26	0.00	39.51	0.00	5.22	0.00	0.73	45.01	2.61	1.05	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 19:30	0.321	2.04	0.26	0.00	39.54	0.00	5.22	0.00	0.73	45.04	2.61	1.05	0.00	1.11	0.77	0.00	0.72	0.30	0.63
5/2/2025 19:45	0.312	1.98	0.26	0.00	39.57	0.00	5.22	0.00	0.73	45.07	2.61	1.05	0.00	1.12	0.77	0.00	0.72	0.30	0.63
5/2/2025 20:00	0.302	1.91	0.26	0.00	39.59	0.00	5.23	0.00	0.73	45.10	2.61	1.05	0.00	1.12	0.78	0.00	0.72	0.30	0.63
5/2/2025 20:15	0.278	1.77	0.26	0.00	39.65	0.00	5.23	0.00	0.73	45.17	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 20:30	0.264	1.68	0.26	0.00	39.68	0.00	5.24	0.00	0.74	45.20	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 20:45	0.251	1.60	0.26	0.00	39.72	0.00	5.24	0.00	0.74	45.24	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 21:00	0.245	1.56	0.26	0.00	39.73	0.00	5.24	0.00	0.74	45.26	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 21:15	0.236	1.50	0.26	0.00	39.75	0.00	5.25	0.00	0.74	45.29	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 21:30	0.229	1.46	0.26	0.00	39.77	0.00	5.25	0.00	0.74	45.30	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 21:45	0.225	1.43	0.26	0.00	39.78	0.00	5.25	0.00	0.74	45.32	2.62	1.05	0.00	1.12	0.78	0.00	0.73	0.30	0.64
5/2/2025 22:00	0.222	1.41	0.32	0.00	36.77	0.00	9.50	0.00	0.74	42.00	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.15
5/2/2025 22:15	0.214	1.36	0.32	0.00	36.79	0.00	9.50	0.00	0.74	42.02	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.16
5/2/2025 22:30	0.197	1.25	0.32	0.00	36.82	0.00	9.51	0.00	0.74	42.06	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.16
5/2/2025 22:45	0.192	1.22	0.32	0.00	36.84	0.00	9.51	0.00	0.74	42.08	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/2/2025 23:00	0.185	1.18	0.32	0.00	36.85	0.00	9.52	0.00	0.74	42.09	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/2/2025 23:15	0.183	1.16	0.32	0.00	36.86	0.00	9.52	0.00	0.74	42.10	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/2/2025 23:30	0.180	1.14	0.32	0.00	36.86	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/2/2025 23:45	0.179	1.14	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 0:00	0.176	1.12	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 0:15	0.174	1.11	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 0:30	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 0:45	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 1:00	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 1:15	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 1:30	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 1:45	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 2:00	0.175	1.11	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 2:15	0.171	1.09	0.32	0.00	36.88	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 2:30	0.160	1.02	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 2:45	0.164	1.04	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 3:00	0.171	1.09	0.32	0.00	36.88	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 3:15	0.169	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 3:30	0.162	1.03	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 3:45	0.162	1.03	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 4:00	0.161	1.03	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 4:15	0.157	0.99	0.32	0.00	36.92	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 4:30	0.153	0.97	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 4:45	0.152	0.97	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 5:00	0.158	1.00	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 5:15	0.156	0.99	0.32	0.00	36.92	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 5:30	0.160	1.02	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 5:45	0.151	0.96	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 6:00	0.159	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 6:15	0.160	1.02	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 6:30	0.156	0.99	0.32	0.00	36.92	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 6:45	0.151	0.96	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 7:00	0.154	0.98	0.32	0.00	36.92	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 7:15	0.158	1.00	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 7:30	0.151	0.96	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 7:45	0.154	0.98	0.32	0.00	36.92	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 8:00	0.157	1.00	0.32	0.00	36.92	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 8:15	0.154	0.98	0.32	0.00	36.92	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 8:30	0.151	0.96	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 8:45	0.158	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 9:00	0.159	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 9:15	0.168	1.07	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 9:30	0.172	1.09	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 9:45	0.172	1.09	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 10:00	0.172	1.09	0.32	0.00	36.88	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 10:15	0.177	1.12	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 10:30	0.176	1.11	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 10:45	0.171	1.09	0.32	0.00	36.88	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 11:00	0.168	1.07	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 11:15	0.165	1.04	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 11:30	0.164	1.04	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 11:45	0.173	1.10	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 12:00	0.179	1.14	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 12:15	0.185	1.18	0.32	0.00	36.85	0.00	9.52	0.00	0.74	42.09	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 12:30	0.182	1.15	0.32	0.00	36.86	0.00	9.52	0.00	0.74	42.10	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 12:45	0.175	1.11	0.32	0.00	36.88	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 13:00	0.178	1.13	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 13:15	0.187	1.19	0.32	0.00	36.85	0.00	9.52	0.00	0.74	42.09	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 13:30	0.195	1.24	0.32	0.00	36.83	0.00	9.51	0.00	0.74	42.07	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.16
5/3/2025 13:45	0.196	1.25	0.32	0.00	36.83	0.00	9.51	0.00	0.74	42.07	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.16
5/3/2025 14:00	0.187	1.19	0.32	0.00	36.85	0.00	9.52	0.00	0.74	42.09	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 14:15	0.178	1.13	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 14:30	0.179	1.13	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.11	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 14:45	0.191	1.20	0.32	0.00	36.84	0.00	9.51	0.00	0.74	42.08	2.62	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 15:00	0.195	1.24	0.32	0.00	36.83	0.00	9.51	0.00	0.74	42.07	2.62	1.34	0.00	1.37	1.17	0.00	1.12	0.52	1.16
5/3/2025 15:15	0.181	1.15	0.32	0.00	36.86	0.00	9.52	0.00	0.74	42.10	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 15:30	0.177	1.12	0.32	0.00	36.87	0.00	9.52	0.00	0.74	42.12	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 15:45	0.170	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 16:00	0.170	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 16:15	0.171	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 16:30	0.168	1.07	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 16:45	0.169	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 17:00	0.170	1.09	0.32	0.00	36.88	0.00	9.53	0.00	0.74	42.13	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 17:15	0.168	1.07	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 17:30	0.169	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 17:45	0.169	1.08	0.32	0.00	36.89	0.00	9.53	0.00	0.74	42.14	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 18:00	0.165	1.05	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 18:15	0.164	1.04	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 18:30	0.163	1.04	0.32	0.00	36.90	0.00	9.53	0.00	0.74	42.15	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 18:45	0.160	1.02	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 19:00	0.159	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 19:15	0.158	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 19:30	0.159	1.01	0.32	0.00	36.91	0.00	9.53	0.00	0.74	42.16	2.63	1.34	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 19:45	0.155	0.99	0.32	0.00	36.92	0.00	9.53	0.00	0.74	42.17	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 20:00	0.151	0.96	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.18	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 20:15	0.150	0.95	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 20:30	0.149	0.95	0.32	0.00	36.94	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 20:45	0.150	0.95	0.32	0.00	36.93	0.00	9.54	0.00	0.74	42.19	2.63	1.35	0.00	1.38	1.17	0.00	1.12	0.52	1.16
5/3/2025 21:00	0.153	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 21:15	0.155	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 21:30	0.155	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 21:45	0.156	1.00	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.62	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 22:00	0.160	1.02	0.20	0.00	42.04	0.00	0.52	0.01	0.73	42.61	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 22:15	0.166	1.05	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 22:30	0.165	1.05	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 22:45	0.166	1.05	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 23:00	0.164	1.04	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 23:15	0.166	1.05	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/3/2025 23:30	0.169	1.07	0.20	0.00	42.02	0.00	0.52	0.01	0.73	42.59	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/3/2025 23:45	0.167	1.06	0.20	0.00	42.02	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 0:00	0.167	1.06	0.20	0.00	42.02	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 0:15	0.167	1.06	0.20	0.00	42.02	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 0:30	0.165	1.05	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.60	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 0:45	0.159	1.01	0.20	0.00	42.04	0.00	0.52	0.01	0.73	42.62	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 1:00	0.156	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 1:15	0.152	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 1:30	0.154	0.98	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 1:45	0.152	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 2:00	0.149	0.95	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 2:15	0.150	0.95	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 2:30	0.148	0.94	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.65	2.82	2.99	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 2:45	0.149	0.94	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.65	2.82	2.99	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 3:00	0.149	0.94	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.65	2.82	2.99	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 3:15	0.151	0.96	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 3:30	0.149	0.95	0.20	0.00	42.07	0.00	0.52	0.01	0.73	42.65	2.82	2.99	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 3:45	0.152	0.96	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 4:00	0.152	0.96	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 4:15	0.153	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 4:30	0.153	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 4:45	0.152	0.96	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.94	0.00	1.28	0.53	0.69
5/4/2025 5:00	0.153	0.97	0.20	0.00	42.06	0.00	0.52	0.01	0.73	42.64	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 5:15	0.155	0.98	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 5:30	0.156	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 5:45	0.156	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 6:00	0.156	0.99	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.63	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 6:15	0.158	1.00	0.20	0.00	42.05	0.00	0.52	0.01	0.73	42.62	2.82	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 6:30	0.159	1.01	0.20	0.00	42.04	0.00	0.52	0.01	0.73	42.62	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 6:45	0.162	1.02	0.20	0.00	42.04	0.00	0.52	0.01	0.73	42.61	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 7:00	0.162	1.03	0.20	0.00	42.04	0.00	0.52	0.01	0.73	42.61	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 7:15	0.163	1.03	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.61	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 7:30	0.164	1.04	0.20	0.00	42.03	0.00	0.52	0.01	0.73	42.61	2.81	2.98	0.00	2.64	1.93	0.00	1.28	0.53	0.69
5/4/2025 7:45	0.170	1.08	0.20	0.00	42.02	0.00	0.52	0.01	0.73	42.59	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 8:00	0.174	1.10	0.20	0.00	42.01	0.00	0.52	0.01	0.73	42.58	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 8:15	0.178	1.13	0.20	0.00	41.99	0.00	0.52	0.01	0.73	42.57	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 8:30	0.185	1.17	0.20	0.00	41.98	0.00	0.52	0.01	0.73	42.55	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 8:45	0.188	1.19	0.20	0.00	41.97	0.00	0.52	0.01	0.73	42.54	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 9:00	0.191	1.21	0.20	0.00	41.96	0.00	0.52	0.01	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 9:15	0.196	1.24	0.20	0.00	41.95	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 9:30	0.197	1.25	0.20	0.00	41.94	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 9:45	0.196	1.24	0.20	0.00	41.95	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 10:00	0.194	1.23	0.20	0.00	41.95	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 10:15	0.198	1.26	0.20	0.00	41.94	0.00	0.51	0.01	0.73	42.51	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 10:30	0.196	1.25	0.20	0.00	41.94	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 10:45	0.192	1.23	0.20	0.00	41.95	0.00	0.51	0.01	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 11:00	0.184	1.18	0.20	0.00	41.97	0.00	0.52	0.01	0.73	42.55	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 11:15	0.180	1.15	0.20	0.00	41.98	0.00	0.52	0.01	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 11:30	0.185	1.18	0.20	0.00	41.97	0.00	0.52	0.01	0.73	42.55	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 11:45	0.184	1.18	0.20	0.00	41.97	0.00	0.52	0.01	0.73	42.55	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 12:00	0.191	1.22	0.20	0.00	41.95	0.00	0.52	0.01	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 12:15	0.194	1.24	0.20	0.00	41.95	0.00	0.51	0.01	0.73	42.52	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 12:30	0.186	1.19	0.20	0.00	41.97	0.00	0.52	0.01	0.73	42.54	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 12:45	0.181	1.16	0.20	0.00	41.98	0.00	0.52	0.01	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 13:00	0.179	1.15	0.20	0.00	41.99	0.00	0.52	0.01	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69
5/4/2025 13:15	0.178	1.14	0.20	0.00	41.99	0.00	0.52	0.01	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
5/2/2025 16:45	0.04	1061	13.92	47.29	335.7	400	1	4529	123503	4193	88326	622	0.06	6.01																								6.01
5/2/2025 17:00	0.04	1060	13.92	47.29	335.7	400	1	4529	123482	4193	88326	621	0.06	6.00																								6.00
5/2/2025 17:15	0.04	1061	13.92	47.29	335.7	400	1	4529	123495	4193	88326	621	0.06	6.01																								6.01
5/2/2025 17:30	0.04	1061	13.92	47.29	335.7	400	1	4529	123495	4193	88326	621	0.06	6.01																								6.01
5/2/2025 17:45	0.04	1059	13.93	47.29	335.7	400	1	4529	123433	4193	88326	620	0.06	5.99																								5.99
5/2/2025 18:00	0.04	1060	13.92	47.29	335.7	400	1	4529	123488	4193	88326	621	0.06	6.00																								6.00
5/2/2025 18:15	0.04	1061	13.92	47.29	335.7	400	1	4529	123522	4193	88326	622	0.06	6.01																								6.01
5/2/2025 18:30	0.04	1061	13.92	47.29	335.7	400	1	4529	123502	4193	88326	622	0.06	6.01																								6.01
5/2/2025 18:45	0.04	1062	13.91	47.29	335.7	400	1	4529	123547	4193	88326	622	0.06	6.02																								6.02
5/2/2025 19:00	0.04	1064	13.90	47.29	335.7	400	1	4529	123657	4193	88326	624	0.06	6.04																								6.04
5/2/2025 19:15	0.04	1066	13.90	47.29	335.7	400	1	4529	123707	4193	88326	625	0.06	6.05																								6.05
5/2/2025 19:30	0.04	1067	13.89	47.29	335.7	400	1	4529	123744	4193	88326	625	0.06	6.05																								6.05
5/2/2025 19:45	0.04	1067	13.89	47.29	335.7	400	1	4529	123768	4193	88326	626	0.06	6.06																								6.06
5/2/2025 20:00	0.04	1068	13.89	47.29	335.7	400	1	4529	123797	4193	88326	626	0.06	6.06																								6.06
5/2/2025 20:15	0.04	1069	13.88	47.29	335.7	400	1	4529	123860	4193	88326	627	0.06	6.07																								6.07
5/2/2025 20:30	0.04	1070	13.87	47.29	335.7	400	1	4529	123896	4193	88326	628	0.06	6.08																								6.08
5/2/2025 20:45	0.04	1071	13.87	47.29	335.7	400	1	4529	123930	4193	88326	629	0.06	6.09																								6.09
5/2/2025 21:00	0.04	1072	13.87	47.29	335.7	400	1	4529	123945	4193	88326	629	0.06	6.09																								6.09
5/2/2025 21:15	0.04	1072	13.87	47.29	335.7	400	1	4529	123972	4193	88326	629	0.06	6.10																								6.10
5/2/2025 21:30	0.04	1073	13.86	47.29	335.7	400	1	4529	123989	4193	88326	629	0.06	6.10																								6.10
5/2/2025 21:45	0.04	1073	13.86	47.29	335.7	400	1	4529	124000	4193	88326	630	0.06	6.10																								6.10
5/2/2025 22:00	0.04	1074	15.86	47.55	337.6	400	1	4529	108402	4193	88326	595	0.06	6.50																								6.50
5/2/2025 22:15	0.04	1074	15.86	47.55	337.6	400	1	4529	108411	4193	88326	596	0.06	6.51																								6.51
5/2/2025 22:30	0.04	1075	15.85	47.55	337.6	400	1	4529	108430	4193	88326	596	0.06	6.51																								6.51
5/2/2025 22:45	0.04	1076	15.85	47.55	337.6	400	1	4529	108436	4193	88326	596	0.06	6.52																								6.52
5/2/2025 23:00	0.04	1076	15.85	47.55	337.6	400	1	4529	108443	4193	88326	597	0.06	6.52																								6.52
5/2/2025 23:15	0.04	1076	15.85	47.55	337.6	400	1	4529	108446	4193	88326	597	0.06	6.52																								6.52
5/2/2025 23:30	0.04	1076	15.85	47.55	337.6	400	1	4529	108449	4193	88326	597	0.06	6.52																								6.52
5/2/2025 23:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108450	4193	88326	597	0.06	6.52																								6.52
5/3/2025 0:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108454	4193	88326	597	0.06	6.52																								6.52
5/3/2025 0:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108456	4193	88326	597	0.06	6.52																								6.52
5/3/2025 0:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 0:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 1:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 1:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 1:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 1:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 2:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108454	4193	88326	597	0.06	6.52																								6.52
5/3/2025 2:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108459	4193	88326	597	0.06	6.53																								6.53
5/3/2025 2:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108471	4193	88326	598	0.06	6.53																								6.53
5/3/2025 2:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108466	4193	88326	598	0.06	6.53																								6.53
5/3/2025 3:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108459	4193	88326	597	0.06	6.53																								6.53
5/3/2025 3:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 3:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108469	4193	88326	598	0.06	6.53																								6.53
5/3/2025 3:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108469	4193	88326	598	0.06	6.53																								6.53
5/3/2025 4:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108470	4193	88326	598	0.06	6.53																								6.53
5/3/2025 4:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108475	4193	88326	598	0.06	6.53																								6.53
5/3/2025 4:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108479	4193	88326	598	0.06	6.53																								6.53
5/3/2025 4:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108480	4193	88326	598	0.06	6.54																								6.54
5/3/2025 5:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108473	4193	88326	598	0.06	6.53																								6.53
5/3/2025 5:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108475	4193	88326	598	0.06	6.53																								6.53
5/3/2025 5:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108471	4193	88326	598	0.06	6.53																								6.53
5/3/2025 5:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108481	4193	88326	598	0.06	6.54																								6.54
5/3/2025 6:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108472	4193	88326	598	0.06	6.53																								6.53
5/3/2025 6:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108471	4193	88326	598	0.06	6.53																								6.53
5/3/2025 6:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108475	4193	88326	598	0.06	6.53																								6.53
5/3/2025 6:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108481	4193	88326	598	0.06	6.54																								6.54
5/3/2025 7:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108478	4193	88326	598	0.06	6.53																								6.53
5/3/2025 7:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108473	4193	88326	598	0.06	6.53																								6.53
5/3/2025 7:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108481	4193	88326	598	0.06	6.54																								6.54
5/3/2025 7:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108477	4193	88326	598	0.06	6.53																								6.53
5/3/2025 8:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108475	4193	88326	598	0.06	6.53																								6.53
5/3/2025 8:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108478	4193	88326	598	0.06	6.53																								6.53
5/3/2025 8:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108481	4193	88326	598	0.06	6.54																								6.54
5/3/2025 8:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108473	4193	88326	598	0.06	6.53																								6.53
5/3/2025 9:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108473	4193	88326	598	0.06	6.53																								6.53
5/3/2025 9:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108462	4193	88326	597	0.06	6.53																								6.53
5/3/2025 9:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108458	4193	88326	597	0.06	6.53																								6.53
5/3/2025 9:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108458	4193	88326	597	0.06	6.53																								6.53
5/3/2025 10:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108459	4193	88326	597	0.06	6.53																								6.53
5/3/2025 10:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108453	4193	88326	597	0.06	6.52																								6.52
5/3/2025 10:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108454	4193	88326	597	0.06	6.52																								6.52
5/3/2025 10:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108459	4193	88326	597	0.06	6.53																								6.53
5/3/2025 11:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108462	4193	88326	597	0.06	6.53																								6.53
5/3/2025 11:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108466	4193	88326	598	0.06	6.53																								6.53
5/3/2025 11:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108467	4193	88326	598	0.06	6.53																								6.53
5/3/2025 11:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108457	4193	88326	597	0.06	6.53																								6.53
5/3/2025 12:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108451	4193	88326	597	0.06	6.52																								6.52
5/3/2025 12:15	0.04	1076	15.85	47.55	337.6	400	1	4529	108443	4193	88326	597	0.06	6.52																								6.52
5/3/2025 12:30	0.04	1076	15.85	47.55	337.6	400	1	4529	108447	4193	88326	597	0.06	6.52																								6.52
5/3/2025 12:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108455	4193	88326	597	0.06	6.52																								6.52
5/3/2025 13:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108452	4193	88326	597	0.06	6.52																								6.52
5/3/2025 13:15	0.04	1076	15.85	47.55	337.6	400	1	4529	108441	4193	88326	597	0.06	6.52																								6.52
5/3/2025 13:30	0.04	1075	15.85	47.55	337.6	400	1	4529	108432	4193	88326	596	0.06	6.51																								6.51
5/3/2025 13:45	0.04	1075	15.85	47.55	337.6	400	1	4529	108431	4193	88326	596	0.06	6.51																								6.51
5/3/2025 14:00	0.04	1076	15.85	47.55	337.6	400	1	4529	108441	4193	88326	597	0.06	6.52																								6.52
5/3/2025 14:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108452	4193	88326	597	0.06	6.52																								6.52
5/3/2025 14:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108451	4193	88326	597	0.06	6.52																								6.52
5/3/2025 14:45	0.04	1076	15.85	47.55	337.6	400	1	4529	108438	4193	88326	597	0.06	6.52																								6.52
5/3/2025 15:00	0.04	1075	15.85	47.55	337.6	400	1	4529	108432	4193	88326	596	0.06	6.51																								6.51
5/3/2025 15:15	0.04	1076	15.85	47.55	337.6	400	1	4529	108447	4193	88326	597	0.06	6.52																								6.52
5/3/2025 15:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108453	4193	88326	597	0.06	6.52																								6.52
5/3/2025 15:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 16:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108460	4193	88326	597	0.06	6.53																								6.53
5/3/2025 16:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108460	4193	88326	597	0.06	6.53																								6.53
5/3/2025 16:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 16:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 17:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108459	4193	88326	597	0.06	6.53																								6.53
5/3/2025 17:15	0.04	1077	15.85	47.55	337.6	400	1	4529	108462	4193	88326	597	0.06	6.53																								6.53
5/3/2025 17:30	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 17:45	0.04	1077	15.85	47.55	337.6	400	1	4529	108461	4193	88326	597	0.06	6.53																								6.53
5/3/2025 18:00	0.04	1077	15.85	47.55	337.6	400	1	4529	108465	4193	88326	598	0.06	6.53																								6.53
5/3/2025 18:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108466	4193	88326	598	0.06	6.53																								6.53
5/3/2025 18:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108467	4193	88326	598	0.06	6.53																								6.53
5/3/2025 18:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108470	4193	88326	598	0.06	6.53																								6.53
5/3/2025 19:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108471	4193	88326	598	0.06	6.53																								6.53
5/3/2025 19:15	0.04	1078	15.85	47.55	337.6	400	1	4529	108473	4193	88326	598	0.06	6.53																								6.53
5/3/2025 19:30	0.04	1078	15.85	47.55	337.6	400	1	4529	108472	4193	88326	598	0.06	6.53																								6.53
5/3/2025 19:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108476	4193	88326	598	0.06	6.53																								6.53
5/3/2025 20:00	0.04	1078	15.85	47.55	337.6	400	1	4529	108481	4193	88326	598	0.06	6.54																								6.54
5/3/2025 20:15	0.04	1079	15.85	47.55	337.6	400	1	4529	108482	4193	88326	598	0.06	6.54																								6.54
5/3/2025 20:30	0.04	1079	15.85	47.55	337.6	400	1	4529	108483	4193	88326	598	0.06	6.54																								6.54
5/3/2025 20:45	0.04	1078	15.85	47.55	337.6	400	1	4529	108482	4193	88326	598	0.06	6.54																								6.54
5/3/2025 21:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113635	4193	88326	696	0.06	4.33																								4.33
5/3/2025 21:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113632	4193	88326	696	0.06	4.33																								4.33
5/3/2025 21:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113632	4193	88326	696	0.06	4.33																								4.33
5/3/2025 21:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113630	4193	88326	696	0.06	4.33																								4.33
5/3/2025 22:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113624	4193	88326	696	0.06	4.33																								4.33
5/3/2025 22:15	0.04	1232	15.13	47.83	339.6	400	1	4529	113616	4193	88326	696	0.06	4.33																								4.33
5/3/2025 22:30	0.04	1232	15.13	47.83	339.6	400	1	4529	113618	4193	88326	696	0.06	4.33																								4.33
5/3/2025 22:45	0.04	1232	15.13	47.83	339.6	400	1	4529	113616	4193	88326	696	0.06	4.33																								4.33
5/3/2025 23:00	0.04	1232	15.13	47.83	339.6	400	1	4529	113619	4193	88326	696	0.06	4.33																								4.33
5/3/2025 23:15	0.04	1232	15.13	47.83	339.6	400	1	4529	113616	4193	88326	696	0.06	4.33																								4.33
5/3/2025 23:30	0.04	1232	15.13	47.83	339.6	400	1	4529	113611	4193	88326	696	0.06	4.33																								4.33
5/3/2025 23:45	0.04	1232	15.13	47.83	339.6	400	1	4529	113615	4193	88326	696	0.06	4.33																								4.33
5/4/2025 0:00	0.04	1232	15.13	47.83	339.6	400	1	4529	113615	4193	88326	696	0.06	4.33																								4.33
5/4/2025 0:15	0.04	1232	15.13	47.83	339.6	400	1	4529	113614	4193	88326	696	0.06	4.33																								4.33
5/4/2025 0:30	0.04	1232	15.13	47.83	339.6	400	1	4529	113617	4193	88326	696	0.06	4.33																								4.33
5/4/2025 0:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113627	4193	88326	696	0.06	4.33																								4.33
5/4/2025 1:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113631	4193	88326	696	0.06	4.33																								4.33
5/4/2025 1:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113637	4193	88326	696	0.06	4.33																								4.33
5/4/2025 1:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113635	4193	88326	696	0.06	4.33																								4.33
5/4/2025 1:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113637	4193	88326	696	0.06	4.33																								4.33
5/4/2025 2:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113641	4193	88326	697	0.06	4.33																								4.33
5/4/2025 2:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113640	4193	88326	696	0.06	4.33																								4.33
5/4/2025 2:30	0.04	1234	15.13	47.83	339.6	400	1	4529	113644	4193	88326	697	0.06	4.33																								4.33
5/4/2025 2:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113643	4193	88326	697	0.06	4.33																								4.33
5/4/2025 3:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113643	4193	88326	697	0.06	4.33																								4.33
5/4/2025 3:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113638	4193	88326	696	0.06	4.33																								4.33
5/4/2025 3:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113642	4193	88326	697	0.06	4.33																								4.33
5/4/2025 3:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113638	4193	88326	696	0.06	4.33																								4.33
5/4/2025 4:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113638	4193	88326	696	0.06	4.33																								4.33
5/4/2025 4:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113636	4193	88326	696	0.06	4.33																								4.33
5/4/2025 4:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113637	4193	88326	696	0.06	4.33																								4.33
5/4/2025 4:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113638	4193	88326	696	0.06	4.33																								4.33
5/4/2025 5:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113636	4193	88326	696	0.06	4.33																								4.33
5/4/2025 5:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113633	4193	88326	696	0.06	4.33																								4.33
5/4/2025 5:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113632	4193	88326	696	0.06	4.33																								4.33
5/4/2025 5:45	0.04	1233	15.13	47.83	339.6	400	1	4529	113632	4193	88326	696	0.06	4.33																								4.33
5/4/2025 6:00	0.04	1233	15.13	47.83	339.6	400	1	4529	113631	4193	88326	696	0.06	4.33																								4.33
5/4/2025 6:15	0.04	1233	15.13	47.83	339.6	400	1	4529	113629	4193	88326	696	0.06	4.33																								4.33
5/4/2025 6:30	0.04	1233	15.13	47.83	339.6	400	1	4529	113627	4193	88326	696	0.06	4.33																								4.33
5/4/2025 6:45	0.04	1232	15.13	47.83	339.6	400	1	4529	113623	4193	88326	696	0.06	4.33																								4.33
5/4/2025 7:00	0.04	1232	15.13	47.83	339.6	400	1	4529	113622	4193	88326	696	0.06	4.33																								4.33
5/4/2025 7:15	0.04	1232	15.13	47.83	339.6	400	1	4529	113621	4193	88326	696	0.06	4.33																								4.33
5/4/2025 7:30	0.04	1232	15.13	47.83	339.6	400	1	4529	113619	4193	88326	696	0.06	4.33																								4.33
5/4/2025 7:45	0.04	1232	15.13	47.83	339.6	400	1	4529	113611	4193	88326	696	0.06	4.33																								4.33
5/4/2025 8:00	0.04	1232	15.13	47.83	339.6	400	1	4529	113605	4193	88326	695	0.06	4.32																								4.32
5/4/2025 8:15	0.04	1231	15.13	47.83	339.6	400	1	4529	113598	4193	88326	695	0.06	4.32																								4.32
5/4/2025 8:30	0.04	1231	15.13	47.83	339.6	400	1	4529	113587	4193	88326	695	0.06	4.32																								4.32
5/4/2025 8:45	0.04	1230	15.13	47.83	339.6	400	1	4529	113582	4193	88326	695	0.06	4.32																								4.32
5/4/2025 9:00	0.04	1230	15.14	47.83	339.6	400	1	4529	113578	4193	88326	695	0.06	4.32																								4.32
5/4/2025 9:15	0.04	1230	15.14	47.83	339.6	400	1	4529	113570	4193	88326	694	0.06	4.32																								4.32
5/4/2025 9:30	0.04	1230	15.14	47.83	339.6	400	1	4529	113568	4193	88326	694	0.06	4.32																								4.32
5/4/2025 9:45	0.04	1230	15.14	47.83	339.6	400	1	4529	113570	4193	88326	694	0.06	4.32																								4.32
5/4/2025 10:00	0.04	1230	15.14	47.83	339.6	400	1	4529	113572	4193	88326	694	0.06	4.32																								4.32
5/4/2025 10:15	0.04	1230	15.14	47.83	339.6	400	1	4529	113565	4193	88326	694	0.06	4.32																								4.32
5/4/2025 10:30	0.04	1230	15.14	47.83	339.6	400	1	4529	113567	4193	88326	694	0.06	4.32																								4.32
5/4/2025 10:45	0.04	1230	15.14	47.83	339.6	400	1	4529	113573	4193	88326	694	0.06	4.32																								4.32
5/4/2025 11:00	0.04	1231	15.13	47.83	339.6	400	1	4529	113585	4193	88326	695	0.06	4.32																								4.32
5/4/2025 11:15	0.04	1231	15.13	47.83	339.6	400	1	4529	113592	4193	88326	695	0.06	4.32																								4.32
5/4/2025 11:30	0.04	1231	15.13	47.83	339.6	400	1	4529	113584	4193	88326	695	0.06	4.32																								4.32
5/4/2025 11:45	0.04	1231	15.13	47.83	339.6	400	1	4529	113585	4193	88326	695	0.06	4.32																								4.32
5/4/2025 12:00	0.04	1230	15.14	47.83	339.6	400	1	4529	113574	4193	88326	694	0.06	4.32																								4.32
5/4/2025 12:15	0.04	1230	15.14	47.83	339.6	400	1	4529	113570	4193	88326	694	0.06	4.32																								4.32
5/4/2025 12:30	0.04	1230	15.13	47.83	339.6	400	1	4529	113583	4193	88326	695	0.06	4.32																								4.32
5/4/2025 12:45	0.04	1231	15.13	47.83	339.6	400	1	4529	113591	4193	88326	695	0.06	4.32																								4.32
5/4/2025 13:00	0.04	1231	15.13	47.83	339.6	400	1	4529	113593	4193	88326	695	0.06	4.32																								4.32
5/4/2025 13:15	0.04	1231	15.13	47.83	339.6	400	1	4529	113594	4193	88326	695	0.06	4.32																								4.32

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %
5/4/2025 13:30	0.92	0.95	100.0	43.08	4.84	40.48	785	767	785	-5.00	1061	1096	-5	50.4	0.180	1.16	0.20	0.00	41.98	0.00	0.52	0.01
5/4/2025 13:45	0.92	0.95	100.0	45.74	5.01	40.58	783	769	776	-5.00	1072	1080	-5	51.9	0.191	1.22	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 14:00	0.92	0.95	100.0	49.19	4.76	40.29	740	772	745	-5.00	1059	1084	-5	51.8	0.190	1.22	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 14:15	0.91	0.94	100.0	40.84	4.76	40.14	687	794	702	-5.00	1056	1106	-5	51.8	0.190	1.22	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 14:30	0.91	0.94	100.0	46.13	4.39	40.22	698	778	750	-5.00	1056	1109	-5	51.8	0.190	1.22	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 14:45	0.92	0.94	100.0	45.87	4.56	40.28	728	773	788	-5.00	1046	1128	-5	51.5	0.188	1.21	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 15:00	0.91	0.94	100.0	47.51	5.02	40.33	743	751	766	-5.00	1035	1165	-5	51.7	0.190	1.22	0.20	0.00	41.96	0.00	0.52	0.01
5/4/2025 15:15	0.91	0.94	100.0	49.71	4.62	40.17	745	744	757	-5.00	1030	1157	-5	50.8	0.183	1.17	0.20	0.00	41.98	0.00	0.52	0.01
5/4/2025 15:30	0.91	0.94	100.0	48.73	5.04	40.13	695	778	775	-5.00	1042	1140	-5	50.3	0.180	1.15	0.20	0.00	41.98	0.00	0.52	0.01
5/4/2025 15:45	0.92	0.95	100.0	49.28	4.66	39.05	703	784	757	-5.00	1043	1129	-5	50.4	0.180	1.16	0.20	0.00	41.98	0.00	0.52	0.01
5/4/2025 16:00	0.90	0.93	100.0	43.62	5.07	39.77	716	794	711	-5.00	1044	1111	-5	51.1	0.185	1.19	0.20	0.00	41.97	0.00	0.52	0.01
5/4/2025 16:15	0.90	0.93	100.0	45.43	4.94	39.90	737	798	686	-5.00	1047	1103	-5	51.3	0.187	1.20	0.20	0.00	41.97	0.00	0.52	0.01

Flare Gas Composition / Property Calculations / ZTOF

	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
												LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
5/4/2025 13:30	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1231	15.13	47.83	339.6	400	1	4529	113591	4193	88326	695	0.06	4.32
5/4/2025 13:45	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113575	4193	88326	695	0.06	4.32
5/4/2025 14:00	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113576	4193	88326	695	0.06	4.32
5/4/2025 14:15	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113576	4193	88326	695	0.06	4.32
5/4/2025 14:30	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113576	4193	88326	695	0.06	4.32
5/4/2025 14:45	0.73	42.54	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113579	4193	88326	695	0.06	4.32
5/4/2025 15:00	0.73	42.53	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113576	4193	88326	695	0.06	4.32
5/4/2025 15:15	0.73	42.55	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1231	15.13	47.83	339.6	400	1	4529	113587	4193	88326	695	0.06	4.32
5/4/2025 15:30	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1231	15.13	47.83	339.6	400	1	4529	113592	4193	88326	695	0.06	4.32
5/4/2025 15:45	0.73	42.56	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1231	15.13	47.83	339.6	400	1	4529	113591	4193	88326	695	0.06	4.32
5/4/2025 16:00	0.73	42.54	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.13	47.83	339.6	400	1	4529	113583	4193	88326	695	0.06	4.32
5/4/2025 16:15	0.73	42.54	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1230	15.14	47.83	339.6	400	1	4529	113581	4193	88326	695	0.06	4.32

36Inch Flare / 24Inch Flare / Pit Flare

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
5/4/2025 13:30																								4.32
5/4/2025 13:45																								4.32
5/4/2025 14:00																								4.32
5/4/2025 14:15																								4.32
5/4/2025 14:30																								4.32
5/4/2025 14:45																								4.32
5/4/2025 15:00																								4.32
5/4/2025 15:15																								4.32
5/4/2025 15:30																								4.32
5/4/2025 15:45																								4.32
5/4/2025 16:00																								4.32
5/4/2025 16:15																								4.32

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

[grey box] = Flare Not Active This Event

	Historian Data: Flare Header Pressure (PSIG)	Flare Gas Compressor Suction P (PSIG)	Flare Gas Compressor Spillback (%)	Flare Flow Meter (KSCFH)	Flare Flow Meter (KLB/HR)	Flare Flow Meter (LB/LB-MOL)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Steam OP (%)	24inch Pilots (DEGF)	24inch Pilots (DEGF)	24inch Steam (%)	Ambient Temp. (DEGF)	Calculated Data: Water Vapour /Partial Pressure (PSIA)	Water (Mol %)	Flare Gas Composition: Hydrogen Sulphide (mol%)	Sulphur Dioxide (mol%)	Hydrogen (mol %)	Oxygen (mol %)	Nitrogen (mol %)	Carbon Monoxide (mol %)	Carbon Dioxide (mol %)	Methane (mol %)	Ethane (mol %)	Propane (mol %)	Propylene (mol %)	i-Butane (mol %)	n-Butane (mol %)	Butylene (mol %)	i-Pentane (mol %)	n-Pentane (mol %)	n-Hexane and C6+ (mol %)	Property Calculations: Flare Gas Lower Flamibility Limit (LFLvg)	Net Heating Value (NHVvg, BTU/SCF)	Molecular Weight (lb/lbmol)	NFVvg-LFL	Calc Net Heating Value Limit (NHVcz-limit, BTU/SCF)	Maximum Velocity (ft/s)	ZTOF: ZTOF Stage Estimate (1)	ZTOF Flow Estimate (lb/hr)	ZTOF Flow Estimate (SCFH)	ZTOF Steam Flow Estimate (lb/hr)	ZTOF Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz, BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	36Inch Flare: 36inch Flare Active Estimate (2.8)	36inch Flow Estimate (lb/hr)	36inch Flow Estimate (SCFH)	36inch Steam Flow Estimate (lb/hr)	36inch Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz, BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	24Inch Flare: 24inch Flare Active Estimate (3)	24inch Flow Estimate (lb/hr)	24inch Flow Estimate (SCFH)	24inch Steam Flow Estimate (lb/hr)	24inch Steam Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Pit Flare: Pit Flare Active Estimate (5.5)	Pit Flare Scenario	Pit Flow Estimate (lb/hr)	Pit Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Total SO2 Emissions (kg/period)
5/6/2025 10:15	0.67	0.69	26.2	29.54	3.28	38.73	704	762	786	-5.00	1053	1129	-5	53.9	0.206	1.34	0.20	0.00	41.91	0.00	0.51	0.01	0.73	42.48	2.81	2.97	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1229	15.14	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 10:30	0.67	0.69	26.2	32.37	3.09	38.76	707	760	778	-5.00	1043	1124	-5	52.6	0.196	1.28	0.20	0.00	41.93	0.00	0.51	0.01	0.73	42.51	2.81	2.98	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1229	15.14	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 10:45	0.67	0.69	26.3	33.50	3.42	38.87	685	765	791	-5.00	1032	1127	-5	54.1	0.207	1.35	0.20	0.00	41.90	0.00	0.51	0.01	0.73	42.48	2.81	2.97	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1229	15.14	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 11:00	0.67	0.69	26.4	33.08	3.21	38.80	671	780	779	-5.00	1032	1145	-5	54.6	0.211	1.37	0.20	0.00	41.89	0.00	0.51	0.01	0.73	42.47	2.80	2.97	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1228	15.14	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 11:15	0.68	0.69	26.0	32.64	3.21	38.51	668	792	756	-5.00	1030	1137	-5	57.4	0.234	1.52	0.20	0.00	41.83	0.00	0.51	0.01	0.73	42.40	2.80	2.97	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1226	15.15	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 11:30	1.22	1.22	17.0	27.72	3.28	32.65	667	790	793	-5.00	1037	1146	-5	58.6	0.244	1.53	0.20	0.00	41.83	0.00	0.51	0.01	0.73	42.40	2.80	2.97	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1226	15.15	47.83	339.6	400	0.53333	440.344	11034	2236	47107	559	0.02	0.42																								0.42
5/6/2025 11:45	0.91	0.95	25.8	36.53	3.02	36.48	670	772	798	-5.00	1046	1146	-5	55.5	0.218	1.40	0.20	0.00	41.88	0.00	0.51	0.01	0.73	42.46	2.80	2.97	0.00	2.63	1.93	0.00	1.28	0.53	0.69	0.04	1228	15.14	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 12:00	0.67	0.68	27.0	36.69	3.60	38.08	674	772	801	-5.00	1039	1148	-5	57.6	0.235	1.53	0.20	0.00	41.83	0.00	0.51	0.01	0.73	42.40	2.80	2.97	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1226	15.15	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 12:15	0.67	0.69	26.7	44.20	4.00	38.77	673	781	798	-5.00	1046	1168	-5	59.9	0.255	1.66	0.20	0.00	41.77	0.00	0.51	0.01	0.73	42.34	2.80	2.96	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1225	15.15	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 12:30	0.68	0.69	26.4	38.35	3.69	37.94	685	755	793	-5.00	1047	1181	-5	57.7	0.236	1.53	0.20	0.00	41.83	0.00	0.51	0.01	0.73	42.40	2.80	2.97	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1226	15.15	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00
5/6/2025 12:45	0.68	0.69	26.3	36.28	3.23	37.36	679	762	797	-5.00	1048	1182	-5	57.4	0.233	1.52	0.20	0.00	41.83	0.00	0.51	0.01	0.73	42.41	2.80	2.97	0.00	2.62	1.92	0.00	1.27	0.53	0.69	0.04	1227	15.15	47.83	339.6	400	0	0	0	0	0	940	0.00	0.00																								0.00

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

	Historian Data: Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter	Flare Flow Meter	Flare Flow Meter	36inch Pilots	36inch Pilots	36inch Pilots	36inch Steam OP	24inch Pilots	24inch Pilots	24inch Steam	Ambient Temp.	Calculated Data: Water Vapour /Partial Pressure	Water	Flare Gas Composition: Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
5/8/2025 7:00	1.98	1.78	100.0	37.76	3.31	32.11	751	800	716	-5.00	1099	1106	-5	47.5	0.162	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 7:15	2.02	1.83	100.0	17.75	1.81	32.50	747	795	697	-5.00	1079	1096	-5	47.4	0.162	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 7:30	1.83	1.73	100.0	39.14	3.29	32.05	747	792	690	-5.00	1084	1105	-5	47.4	0.161	0.97	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 7:45	2.13	1.90	100.0	29.03	3.25	32.23	742	793	671	-5.00	1065	1098	-5	47.5	0.162	0.96	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 8:00	2.16	1.90	100.0	30.74	2.78	32.57	741	791	672	-5.00	1085	1099	-5	47.5	0.162	0.96	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 8:15	2.17	1.90	100.0	20.88	2.02	32.77	739	799	680	-5.00	1075	1096	-5	47.6	0.163	0.96	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 8:30	2.18	1.90	100.0	25.34	3.03	33.22	737	808	691	-5.00	1066	1102	-5	47.8	0.164	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 8:45	2.18	1.90	100.0	38.64	2.90	33.04	737	801	683	-5.00	1060	1102	-5	48.0	0.165	0.98	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 9:00	2.19	1.90	100.0	35.73	2.72	33.62	738	801	665	-5.00	1063	1095	-5	48.5	0.168	1.00	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 9:15	2.20	1.90	100.0	30.06	2.96	33.77	734	807	679	-5.00	1070	1102	-5	49.1	0.172	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 9:30	1.61	1.59	100.0	26.47	3.49	35.10	730	806	679	-5.00	1062	1101	-5	49.2	0.172	1.06	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 9:45	1.86	1.74	100.0	19.96	3.10	34.87	729	809	676	-5.00	1056	1101	-5	49.1	0.172	1.04	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 10:00	2.24	1.90	100.0	27.43	2.83	33.87	728	810	682	-5.00	1060	1103	-5	49.9	0.177	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 10:15	2.22	1.90	100.0	31.50	2.66	33.97	730	808	684	-5.00	1085	1102	-5	49.1	0.172	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 10:30	2.24	1.90	100.0	28.64	2.53	33.99	729	807	678	-5.00	1053	1102	-5	49.3	0.173	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 10:45	2.21	1.90	100.0	22.20	2.56	33.06	730	809	678	-5.00	1051	1098	-5	49.6	0.175	1.04	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 11:00	2.20	1.90	100.0	30.52	2.62	33.98	728	810	674	-5.00	1047	1098	-5	49.7	0.176	1.04	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 11:15	2.30	1.90	100.0	44.34	3.53	32.92	729	813	682	-5.00	1061	1102	-5	50.2	0.179	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 11:30	1.69	1.62	100.0	47.08	4.76	31.02	726	816	735	-5.00	1046	1109	-5	50.8	0.183	1.12	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 11:45	1.47	1.49	100.0	61.78	4.81	24.16	777	797	788	-5.00	1037	1128	-5	50.6	0.182	1.13	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 12:00	1.44	1.46	100.0	42.21	3.72	24.07	757	805	805	-5.00	1040	1138	-5	51.2	0.186	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 12:15	1.43	1.44	100.0	79.46	4.03	23.81	777	793	789	-5.00	1037	1149	-5	51.5	0.188	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 12:30	1.41	1.43	100.0	53.19	3.12	23.78	760	773	779	-5.00	1033	1140	-5	51.2	0.186	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 12:45	1.40	1.41	100.0	63.09	3.74	24.66	771	736	764	-5.00	995	1126	-5	50.7	0.182	1.13	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 13:00	1.62	1.59	100.0	37.66	2.79	26.05	780	744	745	-5.00	990	1100	-5	50.5	0.181	1.11	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 13:15	2.10	1.90	100.0	16.36	1.93	30.52	778	759	721	-5.00	1002	1099	-5	50.3	0.180	1.07	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 13:30	2.13	1.90	100.0	46.13	3.31	30.78	771	740	752	-5.00	997	1108	-5	50.8	0.183	1.09	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 13:45	2.14	1.90	100.0	42.10	3.25	32.52	769	734	758	-5.00	989	1116	-5	51.4	0.187	1.11	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 14:00	1.99	1.90	100.0	49.32	3.47	32.30	768	747	751	-5.00	994	1110	-5	51.0	0.185	1.11	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 14:15	1.85	1.90	100.0	30.95	2.69	32.85	771	747	748	-4.67	993	1097	-5	51.3	0.187	1.13	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 14:30	1.09	1.90	100.0	28.54	5.19	42.88	870	758	755	18.00	1028	1270	11.6667	50.5	0.181	1.16	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 14:45	0.17	1.90	100.0	4.29	0.50	40.23	733	753	675	1.87	1021	1145	20.6667	50.0	0.178	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 15:00	0.83	1.90	100.0	20.32	1.18	35.19	752	759	672	0.00	1027	1154	15.2667	49.9	0.177	1.14	0.24	0.00	59.74	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 15:15	1.28	1.90	100.0	42.07	3.76	32.52	758	747	689	0.00	998	1210	10	49.7	0.176	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 15:30	1.30	1.90	100.0	29.38	3.25	32.80	762	742	709	0.00	987	1135	10	49.6	0.175	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 15:45	1.31	1.90	100.0	43.78	3.49	30.85	755	752	677	0.00	983	1140	7	49.1	0.172	1.07	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 16:00	1.31	1.90	100.0	61.37	4.31	30.42	755	766	661	0.00	971	1113	-5	49.2	0.173	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 16:15	1.31	1.90	100.0	30.92	3.30	30.64	752	793	671	0.00	971	1105	-5	49.3	0.173	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 16:30	1.30	1.90	100.0	36.46	3.28	30.45	755	794	686	0.00	966	1104	-5	48.6	0.169	1.06	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 16:45	1.28	1.90	100.0	43.81	3.29	30.87	764	799	706	0.00	965	1103	-5	49.1	0.172	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 17:00	1.28	1.90	100.0	33.32	3.40	31.71	774	815	760	0.00	975	1103	-5	48.5	0.168	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 17:15	1.28	1.90	100.0	48.57	3.66	33.01	770	818	763	0.00	983	1100	-5	49.4	0.174	1.09	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 17:30	1.28	1.90	100.0	49.47	3.89	32.62	776	821	778	0.00	980	1095	-5	49.5	0.174	1.09	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 17:45	1.28	1.90	100.0	42.30	3.62	32.28	778	821	777	0.00	991	1095	-5	52.1	0.192	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 18:00	1.28	1.90	100.0	45.18	3.54	33.00	788	814	785	0.00	1017	1101	-5	50.9	0.184	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 18:15	1.28	1.90	100.0	37.34	3.24	32.71	789	808	781	0.00	1024	1104	-5	55.5	0.217	1.36	0.24	0.00	59.62	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 18:30	1.30	1.90	100.0	33.13	3.23	34.43	792	811	791	0.00	1027	1104	-5	56.7	0.228	1.43	0.24	0.00	59.58	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 18:45	1.29	1.90	100.0	42.27	3.48	33.31	791	815	779	0.00	1024	1106	-5	55.7	0.219	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 19:00	1.29	1.90	100.0	30.76	3.68	33.18	793	808	790	0.00	1036	1109	-5	55.6	0.219	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 19:15	1.28	1.90	100.0	42.50	3.61	32.89	793	816	770	0.00	1034	1118	-5	54.7	0.212	1.33	0.24	0.00	59.64	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 19:30	1.28	1.90	100.0	42.91	3.55	32.90	792	819	748	0.00	1047	1144	-5	53.7	0.204	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 19:45	1.28	1.90	100.0	47.09	3.47	32.85	784	825	724	0.00	1045	1162	-5	53.2	0.200	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 20:00	1.28	1.90	100.0	44.50	3.86	32.37	768	825	701	0.00	1057	1149	-5	51.0	0.185	1.16	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/8/2025 20:15	1.27	1.90	100.0	41.94	3.75	32.91	770	819	729	0.00	1078	1155	-5	48.4	0.167	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 20:30	1.28	1.90	100.0	39.77	3.17	32.94	771	819	746	0.00	1080	1164	-5	47.6	0.162	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 20:45	1.28	1.90	100.0	58.07	4.01	32.30	776	821	796	0.00	1103	1186	-5	47.1	0.160	1.00	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 21:00	1.29	1.90	100.0	41.98	3.46	31.77	781	819	825	0.00	1112	1189	-5	47.2	0.160	1.00	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 21:15	1.28	1.90	100.0	53.18	4.07	31.29	771	821	808	0.00	1103	1187	-5	46.9	0.158	0.99	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 21:30	1.29	1.90	100.0	45.13	3.34	31.05	743	794	823	0.00	1060	1167	-5	46.5	0.156	0.97	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 21:45	1.28	1.90	100.0	37.28	3.64	31.67	745	816	848	0.00	1087	1172	-5	46.5	0.156	0.98	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 22:00	1.28	1.90	100.0	41.81	3.69	32.08	743	824	854	0.00	1110	1182	-5	47.4	0.161	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 22:15	1.28	1.90	100.0	43.40	3.51	31.04	746	823	845	0.00	1108	1187	-5	47.6	0.163	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 22:30	1.29	1.90	100.0	68.00	3.86	31.01	759	807	797	0.00	1095	1172	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 22:45	1.28	1.90	100.0	52.57	3.83	31.73	758	802	792	0.00	1076	1148	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 23:00	1.29	1.90	100.0	46.64	3.82	31.55	761	802	780	0.00	1072	1145	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 23:15	1.29	1.90	100.0	65.74	3.91	31.62	760	803	794	0.00	1077	1148	-5	47.9	0.165	1.03	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 23:30	1.30	1.90	100.0	46.14	3.80	31.33	759	806	809	0.00	1083	1162	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/8/2025 23:45	1.30	1.90	100.0	31.59	2.90	31.78	759	807	779	0.00	1079	1159	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 0:00	1.30	1.90	100.0	41.32	3.56	30.63	733	809	774	0.00	1069	1170	-5	46.9	0.158	0.99	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 0:15	1.31	1.90	100.0	30.60	3.32	31.90	736	805	792	0.00	1060	1161	-5	47.6	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 0:30	1.31	1.90	100.0	53.99	3.97	31.50	752	811	795	0.00	1077	1154	-5	47.6	0.163	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 0:45	1.30	1.90	100.0	50.18	4.13	31.12	756	821	784	0.00	1104	1142	-5	47.5	0.162	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 1:00	1.31	1.90	100.0	26.38	3.62	31.43	753	824	786	0.00	1112	1137	-5	47.3	0.161	1.00	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 1:15	1.31	1.90	100.0	56.17	3.25	30.15	750	824	798	0.00	1124	1123	-5	46.6	0.156	0.98	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 1:30	1.32	1.90	100.0	45.97	3.30	30.08	748	810	777	0.00	1107	1105	-5	46.5	0.156	0.97	0.24	0.00	59.84	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 1:45	1.33	1.90	100.0	40.38	2.97	29.34	746	802	777	0.00	1098	1112	-5	46.2	0.154	0.96	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 2:00	1.33	1.90	100.0	29.76	3.53	29.57	742	801	750	0.00	1104	1089	-5	46.3	0.155	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 2:15	1.31	1.90	100.0	38.34	3.21	29.65	735	794	730	0.00	1129	1066	-5	46.1	0.154	0.96	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 2:30	1.31	1.90	100.0	44.32	3.44	31.41	735	799	740	0.00	1150	1063	-5	46.0	0.153	0.95	0.24	0.00	59.86	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 2:45	1.54	1.90	100.0	81.26	7.88	33.08	736	795	740	0.00	1175	1055	-5	45.7	0.151	0.93	0.24	0.00	59.87	0.00	0.22	0.00	0.71	31.52	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 3:00	1.27	1.90	100.0	37.93	3.16	26.75	732	803	742	0.00	1175	1057	-5	45.3	0.149	0.93	0.24	0.00	59.87	0.00	0.22	0.00	0.71	31.52	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 3:15	1.29	1.90	100.0	43.53	3.29	30.80	732	808	747	0.00	1197	1056	-5	45.0	0.147	0.92	0.24	0.00	59.88	0.00	0.22	0.00	0.71	31.52	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 3:30	1.29	1.90	100.0	41.28	3.20	31.08	732	810	753	0.00	1190	1055	-5	44.7	0.146	0.91	0.24	0.00	59.88	0.00	0.22	0.00	0.71	31.52	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 3:45	1.30	1.90	100.0	36.41	3.69	32.76	731	812	755	0.00	1209	1059	-5	44.7	0.145	0.91	0.24	0.00	59.88	0.00	0.22	0.00	0.71	31.52	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 4:00	1.30	1.90	100.0	27.05	3.22	32.97	735	805	750	0.00	1193	1046	-5	44.5	0.144	0.90	0.24	0.00	59.89	0.00	0.22	0.00	0.71	31.53	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 4:15	1.30	1.90	100.0	21.11	2.70	32.23	734	802	746	0.00	1201	1037	-5	44.3	0.143	0.90	0.24	0.00	59.89	0.00	0.22	0.00	0.71	31.53	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 4:30	1.31	1.90	100.0	30.45	2.74	32.41	734	800	743	0.00	1169	1026	-5	44.0	0.142	0.89	0.24	0.00	59.90	0.00	0.22	0.00	0.71	31.53	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 4:45	1.31	1.90	100.0	45.16	2.92	32.19	734	800	743	0.00	1182	1032	-5	43.7	0.140	0.88	0.24	0.00	59.90	0.00	0.22	0.00	0.71	31.53	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 5:00	1.31	1.90	100.0	36.40	3.16	32.47	730	806	749	0.00	1192	1051	-5	43.4	0.138	0.87	0.24	0.00	59.91	0.00	0.22	0.00	0.71	31.54	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 5:15	1.31	1.90	100.0	37.77	2.76	32.54	735	811	757	0.00	1189	1085	-5	43.4	0.138	0.86	0.24	0.00	59.91	0.00	0.22	0.00	0.71	31.54	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 5:30	1.33	1.90	100.0	35.34	3.51	32.21	734	811	763	0.00	1201	1077	-5	43.5	0.139	0.87	0.24	0.00	59.91	0.00	0.22	0.00	0.71	31.54	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 5:45	1.33	1.90	100.0	40.65	3.14	29.70	735	813	764	0.00	1150	1100	-5	43.5	0.139	0.87	0.24	0.00	59.91	0.00	0.22	0.00	0.71	31.54	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 6:00	1.32	1.90	100.0	42.69	3.68	31.71	737	814	772	0.00	1176	1093	-5	43.9	0.141	0.88	0.24	0.00	59.90	0.00	0.22	0.00	0.71	31.53	2.10	1.12	0.00	0.95	0.76	0.00	0.64	0.27	0.68
5/9/2025 6:15	1.32	1.90	100.0	50.17	4.10	31.03	740	812	763	0.00	1119	1112	-5	45.7	0.151	0.94	0.24	0.00	59.86	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 6:30	1.32	1.90	100.0	41.14	3.30	31.52	750	816	756	0.00	1095	1129	-5	47.4	0.161	1.01	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 6:45	1.33	1.90	100.0	52.26	4.13	31.80	733	815	781	0.00	1084	1142	-5	49.4	0.174	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 7:00	1.33	1.90	100.0	43.73	3.66	30.14	724	809	735	0.00	1073	1141	-5	49.3	0.173	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 7:15	1.33	1.90	100.0	35.12	3.63	31.40	731	810	707	0.00	1079	1099	-5	49.9	0.177	1.11	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 7:30	1.34	1.90	100.0	42.03	3.75	31.32	725	810	708	0.00	1097	1112	-5	50.6	0.182	1.13	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 7:45	1.35	1.90	100.0	47.79	4.19	31.41	724	812	690	0.00	1164	1071	-5	52.6	0.196	1.22	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 8:00	1.35	1.90	100.0	43.16	3.84	31.61	722	812	693	0.00	1191	1059	-5	53.7	0.204	1.27	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 8:15	1.35	1.90	100.0	60.22	3.78	31.38	722	813	708	0.00	1115	1091	-5	55.0	0.214	1.33	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 8:30	1.35	1.90	100.0	40.05	3.36	32.12	721	814	712	0.00	1078	1108	-5	55.4	0.217	1.35	0.24	0.00	59.62	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 8:45	1.35	1.90	100.0	41.85	3.40	30.78	686	825	707	0.00	1056	1124	-5	58.7	0.244	1.52	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 9:00	1.39	1.90	100.0	60.48	4.15	31.77	695	828	716	0.00	1050	1157	-5	58.4	0.242	1.50	0.24	0.00	59.53	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 9:15	1.43	1.90	100.0	92.55	5.26	24.04	719	819	731	0.00	1042	1160	-5	59.7	0.254	1.57	0.24	0.00	59.49	0.00	0.22	0.00	0.70	31.32	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 9:30	1.31	1.90	100.0	44.89	2.68	29.37	788	767	770	0.00	996	1186	-5	57.8	0.237	1.48	0.24	0.00	59.55	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 9:45	1.31	1.90	100.0	46.09	3.07	30.57	789	758	781	0.00	994	1174	-5	56.9	0.229	1.43	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 10:00	1.31	1.90	100.0	47.45	3.23	31.29	774	744	752	0.00	960	1182	-5	53.4	0.201	1.26	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 10:15	1.31	1.90	100.0	36.36	3.06	31.25	773	738	765	0.00	954	1188	-5	52.8	0.197	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 10:30	1.31	1.90	100.0	38.85	3.23	29.27	770	746	766	0.00	974	1176	-5	53.5	0.203	1.27	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 10:45	1.30	1.90	100.0	43.34	3.05	29.20	763	764	740	0.00	994	1186	-5	54.1	0.207	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 11:00	1.29	1.90	100.0	40.63	2.97	28.27	757	770	730	0.00	1020	1192	-5	54.1	0.207	1.30	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 11:15	1.28	1.90	100.0	58.75	3.86	26.97	766	760	744	0.00	993	1185	-5	52.9	0.198	1.24	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 11:30	1.28	1.90	100.0	40.17	3.09	27.86	762	766	745	0.00	998	1184	-5	53.2	0.200	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 11:45	1.27	1.90	100.0	42.19	2.90	27.76	761	750	749	0.00	996	1167	-5	52.3	0.194	1.21	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 12:00	1.26	1.90	100.0	42.14	2.83	28.44	748	774	697	-1.67	1018	1161	-5	53.8	0.205	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 12:15	1.26	1.90	100.0	31.35	2.89	29.02	743	792	671	-5.00	1062	1175	-5	55.1	0.214	1.34	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 12:30	1.25	1.90	100.0	33.80	3.37	27.83	748	787	661	-5.00	1045	1151	-5	54.8	0.212	1.33	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 12:45	1.24	1.90	100.0	35.02	2.76	27.96	759	817	706	-5.00	1026	1151	-5	53.5	0.203	1.27	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 13:00	1.23	1.90	100.0	34.86	2.71	29.01	755	805	702	-5.00	990	1140	-5	53.7	0.204	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 13:15	1.23	1.90	100.0	44.35	2.94	28.08	769	801	749	-5.00	997	1108	-5	52.7	0.197	1.24	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 13:30	1.22	1.90	100.0	33.66	2.60	28.69	767	807	757	-5.00	970	1104	-5	51.9	0.191	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 13:45	1.20	1.90	100.0	43.85	2.91	29.94	771	800	768	-5.00	973	1097	-5	51.1	0.185	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 14:00	1.20	1.90	100.0	34.93	2.38	30.13	771	798	773	-5.00	980	1101	-5	50.7	0.182	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 14:15	1.20	1.90	100.0	35.02	2.73	30.69	773	798	768	-5.00	976	1101	-5	49.8	0.177	1.11	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/9/2025 14:30	1.20	1.90	100.0	44.12	2.25	31.16	774	790	771	-5.00	999	1109	-5	52.6	0.196	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 14:45	1.20	1.90	100.0	47.34	2.57	30.56	774	799	773	-5.00	997	1114	-5	52.6	0.196	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 15:00	1.20	1.90	100.0	38.61	2.98	31.14	775	809	769	-5.00	990	1108	-5	52.9	0.198	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 15:15	1.20	1.90	100.0	36.51	3.26	30.93	768	811	730	-5.00	975	1103	-5	52.9	0.198	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 15:30	1.19	1.90	100.0	51.53	3.37	30.98	770	810	733	-5.00	969	1104	-5	53.8	0.204	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 15:45	1.19	1.90	100.0	42.24	2.88	31.05	770	812	719	-5.00	991	1111	-5	54.0	0.206	1.30	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 16:00	1.19	1.90	100.0	34.08	2.91	31.21	767	803	705	-5.00	995	1106	-5	54.2	0.207	1.31	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 16:15	1.19	1.90	100.0	34.73	3.07	30.38	777	809	739	-5.00	998	1109	-5	53.8	0.205	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 16:30	1.18	1.90	100.0	31.04	2.63	30.84	781	817	767	-5.00	993	1106	-5	53.4	0.202	1.27	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 16:45	1.18	1.90	100.0	33.74	3.12	31.36	787	809	782	-5.00	999	1102	-5	54.9	0.213	1.34	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 17:00	1.18	1.90	100.0	36.26	2.86	30.59	788	783	795	-5.00	999	1103	-5	54.8	0.213	1.34	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 17:15	1.18	1.90	100.0	34.28	2.56	30.06	781	778	787	-5.00	992	1101	-5	55.5	0.218	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 17:30	1.18	1.90	100.0	26.51	2.46	30.43	786	782	789	-5.00	1009	1099	-5	57.9	0.237	1.50	0.24	0.00	59.54	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 17:45	1.18	1.90	100.0	27.07	2.33	30.43	783	776	796	-5.00	996	1101	-5	59.8	0.254	1.60	0.24	0.00	59.47	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 18:00	1.18	1.90	100.0	18.94	2.44	29.73	792	788	795	-5.00	999	1102	-5	58.8	0.246	1.55	0.24	0.00	59.50	0.00	0.22	0.00	0.70	31.32	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 18:15	1.17	1.90	100.0	20.81	2.49	31.04	790	791	802	-5.00	988	1101	-5	62.2	0.277	1.75	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 18:30	1.17	1.90	100.0	64.15	3.23	30.55	788	810	804	-5.00	975	1099	-5	62.5	0.280	1.77	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 18:45	1.17	1.90	100.0	40.49	3.06	30.93	791	800	803	-5.00	998	1095	-5	62.4	0.279	1.76	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 19:00	1.16	1.90	100.0	35.35	3.15	31.14	785	798	789	-5.00	1011	1104	-5	62.5	0.280	1.77	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 19:15	1.16	1.90	100.0	28.77	2.62	30.66	788	790	776	-5.00	1036	1100	-5	61.3	0.268	1.69	0.24	0.00	59.42	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 19:30	1.16	1.90	100.0	38.05	3.18	30.89	788	781	774	-5.00	1046	1101	-5	60.2	0.258	1.63	0.24	0.00	59.46	0.00	0.22	0.00	0.70	31.30	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 19:45	1.16	1.90	100.0	18.98	3.05	30.67	787	776	768	-5.00	1056	1105	-5	59.9	0.255	1.61	0.24	0.00	59.47	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 20:00	1.16	1.90	100.0	43.11	3.34	30.76	784	770	772	-5.00	1039	1066	-5	59.8	0.254	1.61	0.24	0.00	59.47	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/9/2025 20:15	1.16	1.90	100.0	44.37	3.50	30.34	785	763	775	-5.00	1018	1056	-5	58.5	0.242	1.53	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 20:30	1.16	1.90	100.0	36.83	3.11	30.41	789	771	778	-5.00	1023	1069	-5	58.2	0.240	1.51	0.24	0.00	59.53	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 20:45	1.16	1.90	100.0	42.78	3.28	30.15	793	783	776	-5.00	1053	1099	-5	58.0	0.238	1.50	0.24	0.00	59.53	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 21:00	1.16	1.90	100.0	36.14	3.27	30.30	791	784	772	-5.00	1059	1099	-5	56.9	0.229	1.45	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 21:15	1.16	1.90	100.0	41.85	2.96	30.57	786	772	773	-5.00	1034	1068	-5	57.1	0.231	1.46	0.24	0.00	59.56	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 21:30	1.16	1.90	100.0	44.74	4.02	30.36	782	747	782	-5.00	1045	1082	-5	58.3	0.241	1.52	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 21:45	1.17	1.90	100.0	42.73	3.59	30.93	788	739	785	-5.00	1061	1089	-5	58.6	0.243	1.54	0.24	0.00	59.51	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 22:00	1.17	1.90	100.0	45.71	3.69	31.98	795	734	785	-5.00	1093	1083	-5	58.7	0.244	1.54	0.24	0.00	59.51	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 22:15	1.19	1.90	100.0	49.09	3.94	33.97	775	748	783	-5.00	1096	1086	-5	58.6	0.243	1.53	0.24	0.00	59.51	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 22:30	1.19	1.90	100.0	43.66	3.75	33.60	768	749	778	-5.00	1084	1068	-5	57.6	0.235	1.48	0.24	0.00	59.54	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 22:45	1.19	1.90	100.0	52.54	4.25	35.94	753	809	788	-5.00	1087	1090	-5	57.3	0.232	1.46	0.24	0.00	59.56	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 23:00	1.19	1.90	100.0	39.02	3.62	35.36	760	806	793	-5.00	1090	1102	-5	56.7	0.227	1.43	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 23:15	1.21	1.90	100.0	48.97	3.93	35.93	768	737	783	-5.00	1087	1050	-5	55.9	0.221	1.39	0.24	0.00	59.60	0.00	0.22	0.00	0.70	31.37	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 23:30	1.19	1.90	100.0	43.22	4.12	36.74	774	750	777	-5.00	1078	1081	-5	55.6	0.218	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/9/2025 23:45	1.20	1.90	100.0	56.80	4.40	35.45	774	746	776	-5.00	1084	1084	-5	55.5	0.218	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 0:00	1.19	1.90	100.0	27.45	3.49	34.83	756	806	767	-5.00	1124	1091	-5	55.0	0.214	1.35	0.24	0.00	59.62	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 0:15	1.19	1.90	100.0	42.07	3.83	34.56	743	819	754	-5.00	1138	1079	-5	54.6	0.211	1.33	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 0:30	1.19	1.90	100.0	43.77	4.18	34.92	758	796	765	-5.00	1094	1070	-5	54.4	0.209	1.32	0.24	0.00	59.64	0.00	0.22	0.00	0.70	31.40	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 0:45	1.19	1.90	100.0	33.76	3.99	34.15	767	769	770	-5.00	1078	1079	-5	53.7	0.204	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 1:00	1.19	1.90	100.0	27.66	3.63	34.72	766	779	783	-5.00	1079	1111	-5	52.5	0.195	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 1:15	1.19	1.90	100.0	36.03	3.28	34.08	779	766	782	-5.00	1089	1117	-5	51.7	0.189	1.19	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 1:30	1.18	1.90	100.0	34.14	3.33	34.24	770	731	787	-5.00	1092	1062	-5	51.4	0.187	1.18	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 1:45	1.18	1.90	100.0	32.38	3.24	33.94	770	763	778	-5.00	1082	1099	-5	51.2	0.186	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 2:00	1.18	1.90	100.0	34.09	3.37	33.19	766	773	775	-5.00	1087	1101	-5	50.7	0.183	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 2:15	1.18	1.90	100.0	50.50	3.75	32.80	784	750	779	-5.00	1083	1101	-5	50.9	0.184	1.16	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 2:30	1.18	1.90	100.0	30.59	3.19	32.21	796	737	783	-5.00	1090	1123	-5	50.6	0.182	1.14	0.24	0.00	59.74	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 2:45	1.18	1.90	100.0	21.13	3.28	32.78	787	731	784	-5.00	1092	1097	-5	50.1	0.178	1.12	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 3:00	1.18	1.90	100.0	46.24	3.52	32.94	771	765	788	-5.00	1086	1104	-5	49.5	0.175	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 3:15	1.18	1.90	100.0	34.52	3.49	32.82	784	805	792	-5.00	1096	1161	-5	49.5	0.174	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 3:30	1.18	1.90	100.0	29.93	3.18	32.64	786	791	791	-5.00	1098	1146	-5	49.5	0.174	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68

	Property Calculations: Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF: ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36Inch Flare: 36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24Inch Flare: 24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare: Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
5/8/2025 7:00	0.04	1177	10.25	47.77	339.2	400	1	4529	167641	4193	88326	772	0.07	7.64																								7.64
5/8/2025 7:15	0.04	1177	10.25	47.77	339.2	400	1	4529	167646	4193	88326	772	0.07	7.64																								7.64
5/8/2025 7:30	0.04	1177	10.25	47.77	339.2	400	1	4529	167636	4193	88326	772	0.07	7.64																								7.64
5/8/2025 7:45	0.04	1177	10.25	47.77	339.2	400	1	4529	167652	4193	88326	772	0.07	7.64																								7.64
5/8/2025 8:00	0.04	1177	10.25	47.77	339.2	400	1	4529	167657	4193	88326	772	0.07	7.64																								7.64
5/8/2025 8:15	0.04	1177	10.25	47.77	339.2	400	1	4529	167649	4193	88326	772	0.07	7.64																								7.64
5/8/2025 8:30	0.04	1177	10.25	47.77	339.2	400	1	4529	167643	4193	88326	772	0.07	7.64																								7.64
5/8/2025 8:45	0.04	1177	10.25	47.77	339.2	400	1	4529	167631	4193	88326	772	0.07	7.64																								7.64
5/8/2025 9:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167608	4193	88326	772	0.07	7.64																								7.64
5/8/2025 9:15	0.04	1177	10.26	47.77	339.2	400	1	4529	167581	4193	88326	772	0.07	7.63																								7.63
5/8/2025 9:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167526	4193	88326	771	0.07	7.63																								7.63
5/8/2025 9:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167550	4193	88326	772	0.07	7.63																								7.63
5/8/2025 10:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167540	4193	88326	772	0.07	7.63																								7.63
5/8/2025 10:15	0.04	1177	10.26	47.77	339.2	400	1	4529	167579	4193	88326	772	0.07	7.63																								7.63
5/8/2025 10:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167574	4193	88326	772	0.07	7.63																								7.63
5/8/2025 10:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167556	4193	88326	772	0.07	7.63																								7.63
5/8/2025 11:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167549	4193	88326	772	0.07	7.63																								7.63
5/8/2025 11:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167533	4193	88326	771	0.07	7.63																								7.63
5/8/2025 11:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167448	4193	88326	771	0.07	7.62																								7.62
5/8/2025 11:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167436	4193	88326	771	0.07	7.62																								7.62
5/8/2025 12:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167401	4193	88326	771	0.07	7.62																								7.62
5/8/2025 12:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167383	4193	88326	770	0.07	7.61																								7.61
5/8/2025 12:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167399	4193	88326	771	0.07	7.62																								7.62
5/8/2025 12:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167428	4193	88326	771	0.07	7.62																								7.62
5/8/2025 13:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167458	4193	88326	771	0.07	7.62																								7.62
5/8/2025 13:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167507	4193	88326	771	0.07	7.63																								7.63
5/8/2025 13:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167487	4193	88326	771	0.07	7.62																								7.62
5/8/2025 13:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167457	4193	88326	771	0.07	7.62																								7.62
5/8/2025 14:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167462	4193	88326	771	0.07	7.62																								7.62
5/8/2025 14:15	0.04	1175	10.27	47.77	339.2	400	1	5126.46	189546	4193	88326	790	0.08	8.63																								8.63
5/8/2025 14:30	0.04	1175	10.27	47.77	339.2	400	1	5328.86	197005	4193	88326	800	0.08	8.96																								8.96
5/8/2025 14:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167346	4193	88326	770	0.07	7.61																								7.61
5/8/2025 15:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167416	4193	88326	771	0.07	7.62																								7.62
5/8/2025 15:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167468	4193	88326	771	0.07	7.62																								7.62
5/8/2025 15:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167476	4193	88326	771	0.07	7.62																								7.62
5/8/2025 15:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167507	4193	88326	771	0.07	7.63																								7.63
5/8/2025 16:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167499	4193	88326	771	0.07	7.63																								7.63
5/8/2025 16:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167494	4193	88326	771	0.07	7.63																								7.63
5/8/2025 16:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167530	4193	88326	771	0.07	7.63																								7.63
5/8/2025 16:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167503	4193	88326	771	0.07	7.63																								7.63
5/8/2025 17:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167536	4193	88326	772	0.07	7.63																								7.63
5/8/2025 17:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167488	4193	88326	771	0.07	7.62																								7.62
5/8/2025 17:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167481	4193	88326	771	0.07	7.62																								7.62
5/8/2025 17:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167336	4193	88326	770	0.07	7.61																								7.61
5/8/2025 18:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167401	4193	88326	771	0.07	7.62																								7.62
5/8/2025 18:15	0.04	1173	10.29	47.77	339.2	400	1	4529	167127	4193	88326	769	0.07	7.59																								7.59
5/8/2025 18:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167043	4193	88326	768	0.07	7.58																								7.58
5/8/2025 18:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167112	4193	88326	768	0.07	7.59																								7.59
5/8/2025 19:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167116	4193	88326	768	0.07	7.59																								7.59
5/8/2025 19:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167173	4193	88326	769	0.07	7.59																								7.59
5/8/2025 19:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167237	4193	88326	769	0.07	7.60																								7.60
5/8/2025 19:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167271	4193	88326	770	0.07	7.60																								7.60
5/8/2025 20:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167397	4193	88326	770	0.07	7.62																								7.62
5/8/2025 20:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167539	4193	88326	772	0.07	7.63																								7.63
5/8/2025 20:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167581	4193	88326	772	0.07	7.63																								7.63
5/8/2025 20:45	0.04	1177	10.26	47.77	339.2	400	1	4529	167603	4193	88326	772	0.07	7.64																								7.64
5/8/2025 21:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167599	4193	88326	772	0.07	7.64																								7.64
5/8/2025 21:15	0.04	1177	10.26	47.77	339.2	400	1	4529	167616	4193	88326	772	0.07	7.64																								7.64
5/8/2025 21:30	0.04	1177	10.25	47.77	339.2	400	1	4529	167637	4193	88326	772	0.07	7.64																								7.64
5/8/2025 21:45	0.04	1177	10.25	47.77	339.2	400	1	4529	167635	4193	88326	772	0.07	7.64																								7.64
5/8/2025 22:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167590	4193	88326	772	0.07	7.64																								7.64
5/8/2025 22:15	0.04	1177	10.26	47.77	339.2	400	1	4529	167580	4193	88326	772	0.07	7.63																								7.63
5/8/2025 22:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167583	4193	88326	772	0.07	7.63																								7.63
5/8/2025 22:45	0.04	1177	10.26	47.77	339.2	400	1	4529	167583	4193	88326	772	0.07	7.63																								7.63
5/8/2025 23:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167584	4193	88326	772	0.07	7.63																								7.63
5/8/2025 23:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167564	4193	88326	772	0.07	7.63																								7.63
5/8/2025 23:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167585	4193	88326	772	0.07	7.63																								7.63
5/8/2025 23:45	0.04	1177	10.26	47.77	339.2	400	1	4529	167584	4193	88326	772	0.07	7.63																								7.63
5/9/2025 0:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167617	4193	88326	772	0.07	7.64																								7.64
5/9/2025 0:15	0.04	1177	10.26	47.77	339.2	400	1	4529	167584	4193	88326	772	0.07	7.63																								7.63
5/9/2025 0:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167581	4193	88326	772	0.07	7.63																								7.63
5/9/2025 0:45	0.04	1177	10.26	47.77	339.2	400	1	4529	167587	4193	88326	772	0.07	7.64																								7.64
5/9/2025 1:00	0.04	1177	10.26	47.77	339.2	400	1	4529	167598	4193	88326	772	0.07	7.64																								7.64
5/9/2025 1:15	0.04	1177	10.25	47.77	339.2	400	1	4529	167633	4193	88326	772	0.07	7.64																								7.64
5/9/2025 1:30	0.04	1177	10.25	47.77	339.2	400	1	4529	167636	4193	88326	772	0.07	7.64																								7.64
5/9/2025 1:45	0.04	1177	10.25	47.77	339.2	400	1	4529	167652	4193	88326	772	0.07	7.64																								7.64
5/9/2025 2:00	0.04	1177	10.25	47.77	339.2	400	1	4529	167646	4193	88326	772	0.07	7.64																								7.64
5/9/2025 2:15	0.04	1177	10.25	47.77	339.2	400	1	4529	167654	4193	88326	772	0.07	7.64																								7.64
5/9/2025 2:30	0.04	1177	10.25	47.77	339.2	400	1	4529	167662	4193	88326	772	0.07	7.64																								7.64
5/9/2025 2:45	0.04	1178	10.25	47.77	339.2	400	1	4529	167692	4193	88326	773	0.07	7.65																								7.65
5/9/2025 3:00	0.04	1178	10.25	47.77	339.2	400	1	4529	167692	4193	88326	773	0.07	7.65																								7.65
5/9/2025 3:15	0.04	1178	10.25	47.77	339.2	400	1	4529	167708	4193	88326	773	0.07	7.65																								7.65
5/9/2025 3:30	0.04	1178	10.25	47.77	339.2	400	1	4529	167718	4193	88326	773	0.07	7.65																								7.65
5/9/2025 3:45	0.04	1178	10.25	47.77	339.2	400	1	4529	167721	4193	88326	773	0.07	7.65																								7.65
5/9/2025 4:00	0.04	1178	10.25	47.77	339.2	400	1	4529	167731	4193	88326	773	0.07	7.65																								7.65
5/9/2025 4:15	0.04	1178	10.25	47.77	339.2	400	1	4529	167740	4193	88326	773	0.07	7.65																								7.65
5/9/2025 4:30	0.04	1178	10.25	47.77	339.2	400	1	4529	167750	4193	88326	773	0.07	7.65																								7.65
5/9/2025 4:45	0.04	1178	10.25	47.77	339.2	400	1	4529	167765	4193	88326	773	0.07	7.65																								7.65
5/9/2025 5:00	0.04	1178	10.25	47.77	339.2	400	1	4529	167779	4193	88326	773	0.07	7.66																								7.66
5/9/2025 5:15	0.04	1178	10.25	47.77	339.2	400	1	4529	167782	4193	88326	773	0.07	7.66																								7.66
5/9/2025 5:30	0.04	1178	10.25	47.77	339.2	400	1	4529	167778	4193	88326	773	0.07	7.65																								7.65
5/9/2025 5:45	0.04	1178	10.25	47.77	339.2	400	1	4529	167777	4193	88326	773	0.07	7.65																								7.65
5/9/2025 6:00	0.04	1178	10.25	47.77	339.2	400	1	4529	167758	4193	88326	773	0.07	7.65																								7.65
5/9/2025 6:15	0.04	1177	10.25	47.77	339.2	400	1	4529	167676	4193	88326	773	0.07	7.64																								7.64
5/9/2025 6:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167592	4193	88326	772	0.07	7.64																								7.64
5/9/2025 6:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167492	4193	88326	771	0.07	7.63																								7.63
5/9/2025 7:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167497	4193	88326	771	0.07	7.63																								7.63
5/9/2025 7:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167462	4193	88326	771	0.07	7.62																								7.62
5/9/2025 7:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167427	4193	88326	771	0.07	7.62																								7.62
5/9/2025 7:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167314	4193	88326	770	0.07	7.61																								7.61
5/9/2025 8:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167247	4193	88326	769	0.07	7.60																								7.60
5/9/2025 8:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167162	4193	88326	769	0.07	7.59																								7.59
5/9/2025 8:30	0.04	1173	10.29	47.77	339.2	400	1	4529	167139	4193	88326	769	0.07	7.59																								7.59
5/9/2025 8:45	0.04	1171	10.30	47.77	339.2	400	1	4529	166914	4193	88326	767	0.07	7.57																								7.57
5/9/2025 9:00	0.04	1171	10.30	47.77	339.2	400	1	4529	166939	4193	88326	767	0.07	7.57																								7.57
5/9/2025 9:15	0.04	1170	10.30	47.77	339.2	400	1	4529	166848	4193	88326	767	0.07	7.56																								7.56
5/9/2025 9:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166971	4193	88326	767	0.07	7.57																								7.57
5/9/2025 9:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167031	4193	88326	768	0.07	7.58																								7.58
5/9/2025 10:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167262	4193	88326	770	0.07	7.60																								7.60
5/9/2025 10:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167296	4193	88326	770	0.07	7.61																								7.61
5/9/2025 10:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167252	4193	88326	769	0.07	7.60																								7.60
5/9/2025 10:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167217	4193	88326	769	0.07	7.60																								7.60
5/9/2025 11:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167212	4193	88326	769	0.07	7.60																								7.60
5/9/2025 11:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167291	4193	88326	770	0.07	7.60																								7.60
5/9/2025 11:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167272	4193	88326	770	0.07	7.60																								7.60
5/9/2025 11:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167321	4193	88326	770	0.07	7.61																								7.61
5/9/2025 12:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167230	4193	88326	769	0.07	7.60																								7.60
5/9/2025 12:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167151	4193	88326	769	0.07	7.59																								7.59
5/9/2025 12:30	0.04	1173	10.28	47.77	339.2	400	1	4529	167166	4193	88326	769	0.07	7.59																								7.59
5/9/2025 12:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167245	4193	88326	769	0.07	7.60																								7.60
5/9/2025 13:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167232	4193	88326	769	0.07	7.60																								7.60
5/9/2025 13:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167291	4193	88326	770	0.07	7.60																								7.60
5/9/2025 13:30	0.04	1174	10.27	47.77	339.2	400	1	4529	167337	4193	88326	770	0.07	7.61																								7.61
5/9/2025 13:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167385	4193	88326	770	0.07	7.61																								7.61
5/9/2025 14:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167409	4193	88326	771	0.07	7.62																								7.62
5/9/2025 14:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167455	4193	88326	771	0.07	7.62																								7.62
5/9/2025 14:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167294	4193	88326	770	0.07	7.61																								7.61
5/9/2025 14:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167297	4193	88326	770	0.07	7.61																								7.61
5/9/2025 15:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167279	4193	88326	770	0.07	7.60																								7.60
5/9/2025 15:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167280	4193	88326	770	0.07	7.60																								7.60
5/9/2025 15:30	0.04	1173	10.28	47.77	339.2	400	1	4529	167225	4193	88326	769	0.07	7.60																								7.60
5/9/2025 15:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167213	4193	88326	769	0.07	7.60																								7.60
5/9/2025 16:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167199	4193	88326	769	0.07	7.60																								7.60
5/9/2025 16:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167221	4193	88326	769	0.07	7.60																								7.60
5/9/2025 16:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167246	4193	88326	769	0.07	7.60																								7.60
5/9/2025 16:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167154	4193	88326	769	0.07	7.59																								7.59
5/9/2025 17:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167155	4193	88326	769	0.07	7.59																								7.59
5/9/2025 17:15	0.04	1172	10.29	47.77	339.2	400	1	4529	167114	4193	88326	768	0.07	7.59																								7.59
5/9/2025 17:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166949	4193	88326	767	0.07	7.57																								7.57
5/9/2025 17:45	0.04	1170	10.31	47.77	339.2	400	1	4529	166807	4193	88326	766	0.07	7.56																								7.56
5/9/2025 18:00	0.04	1170	10.30	47.77	339.2	400	1	4529	166877	4193	88326	767	0.07	7.56																								7.56
5/9/2025 18:15	0.04	1168	10.32	47.77	339.2	400	1	4529	166619	4193	88326	765	0.07	7.54																								7.54
5/9/2025 18:30	0.04	1168	10.32	47.77	339.2	400	1	4529	166591	4193	88326	765	0.07	7.53																								7.53
5/9/2025 18:45	0.04	1168	10.32	47.77	339.2	400	1	4529	166601	4193	88326	765	0.07	7.53																								7.53
5/9/2025 19:00	0.04	1168	10.32	47.77	339.2	400	1	4529	166592	4193	88326	765	0.07	7.53																								7.53
5/9/2025 19:15	0.04	1169	10.31	47.77	339.2	400	1	4529	166689	4193	88326	765	0.07	7.54																								7.54
5/9/2025 19:30	0.04	1169	10.31	47.77	339.2	400	1	4529	166774	4193	88326	766	0.07	7.55																								7.55
5/9/2025 19:45	0.04	1170	10.31	47.77	339.2	400	1	4529	166801	4193	88326	766	0.07	7.55																								7.55
5/9/2025 20:00	0.04	1170	10.31	47.77	339.2	400	1	4529	166805	4193	88326	766	0.07	7.56																								7.56
5/9/2025 20:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166906	4193	88326	767	0.07	7.57																								7.57
5/9/2025 20:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166925	4193	88326	767	0.07	7.57																								7.57
5/9/2025 20:45	0.04	1171	10.30	47.77	339.2	400	1	4529	166940	4193	88326	767	0.07	7.57																								7.57
5/9/2025 21:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167014	4193	88326	768	0.07	7.58																								7.58
5/9/2025 21:15	0.04	1171	10.29	47.77	339.2	400	1	4529	167001	4193	88326	768	0.07	7.58																								7.58
5/9/2025 21:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166917	4193	88326	767	0.07	7.57																								7.57
5/9/2025 21:45	0.04	1171	10.30	47.77	339.2	400	1	4529	166898	4193	88326	767	0.07	7.56																								7.56
5/9/2025 22:00	0.04	1170	10.30	47.77	339.2	400	1	4529	166893	4193	88326	767	0.07	7.56																								7.56
5/9/2025 22:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166902	4193	88326	767	0.07	7.57																								7.57
5/9/2025 22:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166968	4193	88326	767	0.07	7.57																								7.57
5/9/2025 22:45	0.04	1171	10.29	47.77	339.2	400	1	4529	166996	4193	88326	768	0.07	7.57																								7.57
5/9/2025 23:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167037	4193	88326	768	0.07	7.58																								7.58
5/9/2025 23:15	0.04	1172	10.29	47.77	339.2	400	1	4529	167088	4193	88326	768	0.07	7.58																								7.58
5/9/2025 23:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167111	4193	88326	768	0.07	7.59																								7.59
5/9/2025 23:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167115	4193	88326	768	0.07	7.59																								7.59
5/10/2025 0:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167146	4193	88326	769	0.07	7.59																								7.59
5/10/2025 0:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167169	4193	88326	769	0.07	7.59																								7.59
5/10/2025 0:30	0.04	1173	10.28	47.77	339.2	400	1	4529	167186	4193	88326	769	0.07	7.59																								7.59
5/10/2025 0:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167228	4193	88326	769	0.07	7.60																								7.60
5/10/2025 1:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167302	4193	88326	770	0.07	7.61																								7.61
5/10/2025 1:15	0.04	1174	10.27	47.77	339.2	400	1	4529	167348	4193	88326	770	0.07	7.61																								7.61
5/10/2025 1:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167365	4193	88326	770	0.07	7.61																								7.61
5/10/2025 1:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167376	4193	88326	770	0.07	7.61																								7.61
5/10/2025 2:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167404	4193	88326	771	0.07	7.62																								7.62
5/10/2025 2:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167393	4193	88326	770	0.07	7.62																								7.62
5/10/2025 2:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167413	4193	88326	771	0.07	7.62																								7.62
5/10/2025 2:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167441	4193	88326	771	0.07	7.62																								7.62
5/10/2025 3:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167472	4193	88326	771	0.07	7.62																								7.62
5/10/2025 3:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167474	4193	88326	771	0.07	7.62																								7.62
5/10/2025 3:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167473	4193	88326	771	0.07	7.62																								7.62

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
5/10/2025 3:45	1.18	1.90	100.0	47.26	3.80	32.70	762	809	807	-5.00	1093	1175	-5	48.4
5/10/2025 4:00	1.18	1.90	100.0	41.35	3.57	32.50	776	815	788	-5.00	1096	1183	-5	47.8
5/10/2025 4:15	1.17	1.90	100.0	36.96	3.02	32.92	797	778	793	-5.00	1101	1149	-5	48.8
5/10/2025 4:30	1.17	1.90	100.0	40.21	3.71	32.64	800	742	789	-5.00	1085	1133	-5	48.5
5/10/2025 4:45	1.17	1.90	100.0	28.63	2.75	32.78	792	739	785	-5.00	1097	1135	-5	48.3
5/10/2025 5:00	1.17	1.90	100.0	39.86	3.58	32.16	807	725	781	-5.00	1080	1118	-5	47.6
5/10/2025 5:15	1.17	1.90	100.0	37.31	3.11	31.58	795	746	780	-5.00	1078	1095	-5	47.6
5/10/2025 5:30	1.17	1.90	100.0	43.03	3.81	32.10	797	735	775	-5.00	1071	1112	-5	46.9
5/10/2025 5:45	1.17	1.90	100.0	50.16	4.10	32.00	798	734	779	-5.00	1077	1138	-5	46.2
5/10/2025 6:00	1.17	1.90	100.0	38.14	3.68	32.42	785	753	772	-5.00	1045	1110	-5	46.0
5/10/2025 6:15	1.17	1.90	100.0	53.38	3.14	32.42	787	759	772	-5.00	1048	1119	-5	48.3
5/10/2025 6:30	1.18	1.90	100.0	43.15	3.58	32.72	786	744	779	-5.00	1035	1093	-5	51.1
5/10/2025 6:45	1.18	1.90	100.0	44.26	3.40	32.34	790	737	768	-5.00	1079	1142	-5	51.5
5/10/2025 7:00	1.17	1.90	100.0	61.93	4.20	32.30	775	739	760	-5.00	1047	1089	-5	48.5
5/10/2025 7:15	1.18	1.90	100.0	59.95	3.59	32.13	768	751	761	-5.00	1084	1142	-5	53.9
5/10/2025 7:30	1.18	1.90	100.0	56.32	4.30	32.65	766	781	754	-5.00	1088	1169	-5	51.6
5/10/2025 7:45	1.18	1.90	100.0	49.25	3.83	31.49	766	787	742	-5.00	1080	1167	-5	53.1
5/10/2025 8:00	1.18	1.90	100.0	47.47	3.86	32.19	763	806	752	-5.00	1061	1151	-5	53.5
5/10/2025 8:15	1.18	1.90	100.0	21.75	3.08	32.49	769	795	751	-5.00	1052	1125	-5	51.6
5/10/2025 8:30	1.18	1.90	100.0	40.98	3.18	32.09	767	777	753	-5.00	1060	1121	-5	53.4
5/10/2025 8:45	1.18	1.90	100.0	42.67	4.12	31.96	754	794	731	-5.00	1069	1142	-5	58.7
5/10/2025 9:00	1.19	1.90	100.0	39.47	3.37	33.02	752	815	718	-5.00	1062	1156	-5	57.0
5/10/2025 9:15	1.19	1.90	100.0	41.86	3.68	32.18	759	810	674	-5.00	1024	1137	-5	58.0
5/10/2025 9:30	1.19	1.90	100.0	29.62	3.26	32.36	764	835	731	-5.00	1003	1131	-5	55.7
5/10/2025 9:45	1.19	1.90	100.0	46.14	4.03	35.71	775	794	781	-5.00	978	1101	-5	53.8
5/10/2025 10:00	1.18	1.90	100.0	36.98	3.18	32.91	771	772	788	-5.00	979	1109	-5	53.7
5/10/2025 10:15	1.19	1.90	100.0	39.50	3.71	32.40	775	789	799	-5.00	980	1104	-5	58.5
5/10/2025 10:30	1.18	1.90	100.0	38.52	2.87	32.13	766	811	760	-5.00	980	1093	-5	58.4
5/10/2025 10:45	1.18	1.90	100.0	36.80	3.64	32.40	767	829	757	-5.00	971	1088	-5	59.7
5/10/2025 11:00	1.18	1.90	100.0	41.64	3.23	32.18	767	824	749	-5.00	975	1095	-5	58.4
5/10/2025 11:15	1.18	1.90	100.0	45.82	3.61	32.92	760	825	728	-5.00	995	1129	-5	58.3
5/10/2025 11:30	1.18	1.90	100.0	57.08	3.85	32.28	764	825	732	-5.00	1010	1134	-5	59.3
5/10/2025 11:45	1.18	1.90	100.0	63.72	4.17	32.16	756	823	693	-5.00	1037	1159	-5	60.4
5/10/2025 12:00	1.17	1.90	100.0	42.63	4.13	32.68	761	822	692	-5.00	1012	1145	-5	59.8
5/10/2025 12:15	1.17	1.90	100.0	43.55	3.99	32.52	762	822	696	-5.00	1025	1139	-5	61.6
5/10/2025 12:30	1.17	1.90	100.0	51.08	4.44	32.42	738	790	698	-5.00	1039	1161	-5	62.2
5/10/2025 12:45	1.16	1.90	100.0	41.37	3.49	32.96	769	763	680	-5.00	1018	1129	-5	61.0
5/10/2025 13:00	1.16	1.90	100.0	47.52	4.12	32.25	745	777	686	-5.00	1049	1162	-5	62.6
5/10/2025 13:15	1.15	1.90	100.0	49.23	4.35	32.01	750	787	709	-5.00	1055	1177	-5	62.1
5/10/2025 13:30	1.15	1.90	100.0	57.29	4.10	32.94	741	787	735	-5.00	1063	1182	-5	60.7
5/10/2025 13:45	1.14	1.90	100.0	80.76	4.73	31.61	749	767	700	-5.00	1050	1166	-5	60.6
5/10/2025 14:00	1.15	1.90	100.0	35.47	3.47	33.61	760	789	680	-5.00	1060	1175	-5	61.0
5/10/2025 14:15	1.15	1.90	100.0	44.62	4.67	35.73	760	790	676	-5.00	1065	1177	-5	62.4
5/10/2025 14:30	1.14	1.90	100.0	40.74	4.45	36.20	762	803	674	-5.00	1066	1176	-5	62.4
5/10/2025 14:45	1.13	1.90	100.0	41.82	3.20	33.87	764	807	677	-5.00	1037	1163	-5	63.5
5/10/2025 15:00	1.12	1.90	100.0	47.59	3.61	33.42	762	817	683	-5.00	1030	1157	-5	63.7
5/10/2025 15:15	1.12	1.90	100.0	50.03	3.91	32.45	772	798	713	-5.00	1006	1153	-5	63.9
5/10/2025 15:30	1.11	1.90	100.0	50.85	4.08	34.80	773	785	709	-5.00	972	1164	-5	64.3
5/10/2025 15:45	1.11	1.90	100.0	33.12	3.26	33.80	762	747	712	-5.00	956	1134	-5	64.8
5/10/2025 16:00	1.10	1.90	100.0	27.09	3.25	33.62	769	761	729	-5.00	927	1133	-5	62.5
5/10/2025 16:15	1.10	1.90	100.0	48.93	4.33	33.60	774	782	739	-5.00	918	1143	-5	62.0
5/10/2025 16:30	1.10	1.90	100.0	54.85	3.76	33.16	775	791	744	-5.00	929	1134	-5	62.8
5/10/2025 16:45	1.09	1.90	100.0	28.59	3.70	32.52	782	788	752	-5.00	949	1146	-5	63.0
5/10/2025 17:00	1.09	1.90	100.0	46.33	4.05	32.71	781	793	751	-5.00	966	1142	-5	62.3
5/10/2025 17:15	1.09	1.90	100.0	28.56	3.16	33.25	781	776	769	-5.00	969	1157	-5	63.6
5/10/2025 17:30	1.08	1.90	100.0	55.74	3.88	33.14	777	779	780	-5.00	973	1145	-5	63.1
5/10/2025 17:45	1.08	1.90	100.0	45.18	3.09	33.45	781	781	780	-5.00	929	1159	-5	64.7
5/10/2025 18:00	1.08	1.90	100.0	37.19	3.82	32.55	786	805	772	-5.00	995	1136	-5	66.2
5/10/2025 18:15	1.09	1.90	100.0	42.99	3.63	32.84	794	799	787	-5.00	1019	1133	-5	71.2
5/10/2025 18:30	1.09	1.90	100.0	35.38	3.47	32.72	782	776	774	-5.00	1079	1163	-5	75.9
5/10/2025 18:45	1.09	1.90	100.0	40.78	4.12	32.88	755	826	745	-5.00	1087	1182	-5	74.7
5/10/2025 19:00	1.09	1.90	100.0	26.96	3.88	32.58	752	819	710	-5.00	1169	1123	-5	74.0
5/10/2025 19:15	1.08	1.90	100.0	44.69	3.60	32.55	727	811	712	-5.00	1262	1074	-5	72.5
5/10/2025 19:30	1.09	1.90	100.0	33.53	3.06	32.30	732	808	709	-5.00	1201	1078	-5	69.3
5/10/2025 19:45	1.08	1.90	100.0	39.46	3.80	32.77	728	807	720	-5.00	1255	1069	-5	68.4
5/10/2025 20:00	1.08	1.90	100.0	29.05	3.63	32.49	734	807	712	-5.00	1193	1085	-5	66.4
5/10/2025 20:15	1.08	1.90	100.0	43.46	3.21	32.25	745	809	708	-5.00	1207	1090	-5	65.9
5/10/2025 20:30	1.08	1.90	100.0	34.91	3.80	32.28	748	809	706	-5.00	1186	1098	-5	64.6
5/10/2025 20:45	1.08	1.90	100.0	43.18	3.90	31.85	736	804	712	-5.00	1233	1076	-5	63.4
5/10/2025 21:00	1.08	1.90	100.0	39.55	4.00	32.12	736	802	717	-5.00	1255	1072	-5	62.8
5/10/2025 21:15	1.08	1.90	100.0	29.17	2.96	32.27	736	802	716	-5.00	1242	1063	-5	62.1
5/10/2025 21:30	1.09	1.90	100.0	46.47	4.02	31.41	733	806	720	-5.00	1274	1033	-5	62.5
5/10/2025 21:45	1.09	1.90	100.0	45.11	3.96	32.24	723	805	732	-5.00	1273	1024	-5	62.0
5/10/2025 22:00	1.09	1.90	100.0	44.32	3.32	32.35	726	807	734	-5.00	1257	1022	-5	61.6
5/10/2025 22:15	1.09	1.90	100.0	38.37	3.44	32.24	731	812	734	-5.00	1221	1032	-5	61.2
5/10/2025 22:30	1.09	1.90	100.0	40.43	3.89	31.86	728	817	734	-5.00	1233	1041	-5	61.2
5/10/2025 22:45	1.09	1.90	100.0	31.13	3.65	31.85	726	810	727	-5.00	1269	1036	-5	61.1
5/10/2025 23:00	1.10	1.90	100.0	47.35	3.98	32.35	724	804	725	-5.00	1315	1021	-5	61.0
5/10/2025 23:15	1.10	1.90	100.0	45.40	4.00	32.35	723	800	726	-5.00	1299	1017	-5	60.6
5/10/2025 23:30	1.09	1.90	100.0	44.66	3.72	32.39	721	801	727	-5.00	1327	1013	-5	60.1
5/10/2025 23:45	1.10	1.90	100.0	42.83	3.86	32.42	716	796	731	-5.00	1310	1009	-5	59.5
5/11/2025 0:00	1.09	1.90	100.0	52.08	4.07	31.71	727	802	724	-5.00	1267	1024	-5	58.8
5/11/2025 0:15	1.09	1.90	100.0	51.61	4.47	31.88	729	798	726	-5.00	1250	1034	-5	57.9
5/11/2025 0:30	1.09	1.90	100.0	39.20	3.34	31.88	731	794	728	-5.00	1244	1040	-5	57.0
5/11/2025 0:45	1.09	1.90	100.0	54.37	4.78	32.09	732	797	726	-5.00	1229	1050	-5	56.9
5/11/2025 1:00	1.09	1.90	100.0	54.45	4.12	32.24	736	797	715	-5.00	1264	1046	-5	56.7
5/11/2025 1:15	1.10	1.90	100.0	49.13	4.11	32.69	740	798	719	-5.00	1236	1050	-5	56.1
5/11/2025 1:30	1.10	1.90	100.0	40.21	3.50	32.69	743	799	719	-5.00	1183	1065	-5	55.6
5/11/2025 1:45	1.10	1.90	100.0	52.96	4.19	32.59	741	795	722	-5.00	1212	1060	-5	55.4
5/11/2025 2:00	1.10	1.90	100.0	61.26	4.11	31.98	743	796	717	-5.00	1202	1064	-5	54.6
5/11/2025 2:15	1.10	1.90	100.0	38.61	3.50	32.46	747	798	723	-5.00	1187	1080	-5	53.9
5/11/2025 2:30	1.10	1.90	100.0	47.81	3.75	32.49	751	799	715	-5.00	1162	1085	-5	53.1
5/11/2025 2:45	1.10	1.90	100.0	37.49	3.83	32.23	746	799	718	-5.00	1142	1079	-5	52.8
5/11/2025 3:00	1.09	1.90	100.0	41.91	3.43	31.25	749	800	725	-5.00	1136	1084	-5	51.9
5/11/2025 3:15	1.09	1.90	100.0	50.41	4.10	31.54	752	802	728	-5.00	1104	1100	-5	51.7
5/11/2025 3:30	1.10	1.90	100.0	46.49	3.75	32.45	749	802	743	-5.00	1100	1107	-5	51.0
5/11/2025 3:45	1.10	1.90	100.0	42.38	3.83	32.59	752	805	739	-5.00	1086	1111	-5	50.4
5/11/2025 4:00	1.10	1.90	100.0	44.51	4.24	32.68	745	806	754	-5.00	1077	1112	-5	50.1
5/11/2025 4:15	1.10	1.90	100.0	47.75	3.56	33.05	745	805	765	-5.00	1071	1124	-5	49.7
5/11/2025 4:30	1.10	1.90	100.0	42.18	3.63	32.76	755	804	745	-5.00	1081	1115	-5	49.5
5/11/2025 4:45	1.10	1.90	100.0	45.74	3.87	32.27	757	805	734	-5.00	1074	1115	-5	49.2
5/11/2025 5:00	1.10	1.90	100.0	46.92	3.88	32.90	759	806	721	-5.00	1109	1097	-5	49.2
5/11/2025 5:15	1.10	1.90	100.0	43.67	3.97	31.79	755	804	721	-5.00	1124	1085	-5	48.9
5/11/2025 5:30	1.10	1.90	100.0	46.60	3.69	32.44	752	802	739	-5.00	1122	1093	-5	48.1
5/11/2025 5:45	1.10	1.90	100.0	43.64	3.65	31.52	751	804	752	-5.00	1113	1102	-5	47.7
5/11/2025 6:00	1.10	1.90	100.0	31.57	3.36	32.15	754	803	741	-5.00	1083	1106	-5	47.8
5/11/2025 6:15	1.10	1.90	100.0	48.96	3.83	32.03	754	803	736	-5.00	1080	1112	-5	48.2
5/11/2025 6:30	1.10	1.90	100.0	53.22	4.00	32.11	747	803	752	-5.00	1081	1120	-5	49.2
5/11/2025 6:45	1.10	1.90	100.0	46.58	3.53	31.49	747	806	739	-5.00	1080	1123	-5	49.5
5/11/2025 7:00	1.10	1.90	100.0	43.46	3.67	32.23	739	809	705	-5.00	1075	1115	-5	50.3
5/11/2025 7:15	1.10	1.90	100.0	45.39	3.98	31.66	731	813	674	-5.00	1055	1106	-5	50.8
5/11/2025 7:30	1.10	1.90	100.0	42.96	4.01	32.08	733	801	648	-5.00	1055	1098	-5	51.3
5/11/2025 7:45	1.10	1.90	100.0	33.61	3.65	31.81	732	802	655	-5.00	1068	1098	-5	50.9
5/11/2025 8:00	1.10	1.90	100.0	31.69	3.47	32.14	729	805	650	-5.00	1057	1089	-5	51.9
5/11/2025 8:15	1.10	1.90	100.0	43.53	3.79	31.41	735	811	657	-5.00	1071	1085	-5	51.6
5/11/2025 8:30	1.10	1.90	100.0	42.45	3.54	31.89	721	808	674	-5.00	1060	1077	-5	52.5
5/11/2025 8:45	1.10	1.90	100.0	57.12	3.98	31.54	719	807	686	-5.00	1065	1094	-5	52.6
5/11/2025 9:00	1.10	1.90	100.0	43.60	3.88	31.77	726	820	736	-5.00	1058	1110	-5	52.9
5/11/2025 9:15	1.10	1.90	100.0	59.40	4.32	31.74	809	804	782	-5.00	1055	1115	-5	52.7
5/11/2025 9:30	1.10	1.90	100.0	48.20	3.80	32.30	820	784	782	-5.00	1046	1124	-5	52.6
5/11/2025 9:45	1.10	1.90	100.0	52.43	3.59	32.17	817	766	745	-5.00	1009	1183	-5	53.5
5/11/2025 10:00	1.09	1.90	100.0	40.49	4.11	32.23	805	761	735	-5.00	983	1217	-5	53.9
5/11/2025 10:15	1.09	1.90	100.0	46.23	3.90	31.90	804	770	729	-5.00	972	1207	-5	52.8
5/11/2025 10:30	1.09	1.90	100.0	66.04	4.37	32.17	799	763	720	-5.00	977	1225	-5	53.3
5/11/2025 10:45	1.09	1.90	100.0	69.98	4.84	32.18	783	756	710	-5.00	954	1268	-5	51.7
5/11/2025 11:00	1.09	1.90	100.0	54.39	4.09	31.62	764	748	715	-5.00	953	1201	-5	50.6
5/11/2025 11:15	1.08	1.90	100.0	41.79	4.29	31.69	761	747	714	-5.00	953	1204	-5	50.5
5/11/2025 11:30	1.08	1.90	100.0	55.19	4.60	31.93	759	735	718	-5.00	955	1174	-5	52.1
5/11/2025 11:45	1.08	1.90	100.0	46.52	4.77	30.96	753	732	713	-5.00	958	1172	-5	51.7
5/11/2025 12:00	1.08	1.90	100.0	50.58	4.16	31.58	752	725	711	-5.00	959	1159	-5	52.0
5/11/2025 12:15	1.07	1.90	100.0	48.82	4.34	31.11	756	733	723	-5.00	955	1152	-5	49.9
5/11/2025 12:30	1.07	1.90	100.0	48.73	3.87	31.98	762	726	736	-5.00	963	1149	-5	50.8
5/11/2025 12:45	1.07	1.90	100.0	53.16	4.36	32.17	758	712	724	-5.00	970	1123	-5	52.8
5/11/2025 13:00	1.07	1.90	100.0	46.06	3.70	31.43	758	712	727	-5.00	976	1116	-5	52.7
5/11/2025 13:15	1.06	1.90	100.0	53.18	3.85	31.04	761	716	734	-5.00	972	1138	-5	52.5
5/11/2025 13:30	1.06	1.90	100.0	48.72	3.87	31.10	758	741	742	-5.00	987	1137	-5	49.9
5/11/2025 13:45	1.06	1.90	100.0	46.46	3.66	30.98	762	754	717	-5.00	1001	1115	-5	50.9
5/11/2025 14:00	1.06	1.90	100.0	46.54	4.07	31.55	754	774	681	-5.00	1022	1126	-5	51.0
5/11/2025 14:15	1.06	1.90	100.0	43.28	3.75	31.47	751	784	680	-5.00	1042	1132	-5	50.6
5/11/2025 14:30	1.05	1.90	100.0	45.76	3.67	31.85	756	787	673	-5.00	1049	1135	-5	51.4
5/11/2025 14:45	1.05	1.90	100.0	42.05	3.89	30.95	757	782	675	-5.00	1042	1137	-5	51.2
5/11/2025 15:00	1.04	1.90	100.0	38.75	3.72	31.40	758	775	682	-5.00	1033	1126	-5	51.5
5/11/2025 15:15	1.04	1.90	100.0	46.97	3.75	31.63	761	808	671	-5.00	1050	1138	-5	52.0
5/11/2025 15:30	1.04	1.90	100.0	40.52	3.99	31.78	761	809	675	-5.00	1038	1137	-5	52.2
5/11/2025 15:45	1.03	1.90	100.0	40.13	3.64	31.12	756	790	713	-5.00	1043	1146	-5	51.3
5/11/2025 16:00	1.03	1.90	100.0	34.88	3.66	31.79	748	788	792	-5.00	1047	1164	-5	52.3
5/11/2025 16:15	1.03	1.90	100.0	42.91	3.85	30.89	717	796	804	-5.00	1050	1159	-5	51.2
5/11/2025 16:30	1.02	1.90	100.0	47.54	3.71	31.75	701	803	802	-5.00	1051	1156	-5	51.0
5/11/2025 16:45	1.02	1.90	100.0	47.20	3.91	30.99	700	810	764	-5.00	1045	1141	-5	50.5
5/11/2025 17:00	1.02	1.90	100.0	48.47	4.08	31.31	701	812	763	-5.00	1042	1132	-5	50.1
5/11/2025 17:15	1.01	1.90	100.0	37.41	3.69	31.50	702	817	768	-5.00	1046	1132	-5	51.3
5/11/2025 17:30	1.01	1.90	100.0	48.38	3.84	31.69	713	796	817	-5.00	1050	1148	-5	55.3
5/11/2025 17:45	1.01	1.90	100.0	51.54	3.80	31.49	706	803	815	-5.00	1053	1154	-5	56.0
5/11/2025 18:00	1.02	1.90	100.0	49.15	3.26	32.13	708	808	813	-5.00	1049	1155	-5	53.4
5/11/2025 18:15	1.02	1.90	100.0	37.59	3.88	32.52	713	808	805	-5.00	1049	1152	-5	57.2
5/11/2025 18:30	1.01	1.90	100.0	52.59	5.18	31.41	707	813	790	-5.00	1043	1145	-5	56.5
5/11/2025 18:45	1.00	1.90	100.0	47.42	4.25	31.33	708	816	781	-5.00	1045	1143	-5	56.5
5/11/2025 19:00	1.00	1.90	100.0	55.69	4.59	31.37	714	825	746	-5.00	1044	1125	-5	55.4
5/11/2025 19:15	1.00	1.90	100.0	55.84	4.53	31.38	705	819	787	-5.00	1043	1143	-5	55.9
5/11/2025 19:30	1.01	1.90	100.0	46.19	3.97	31.63	726	817	765	-5.00	1045	1130	-5	54.3
5/11/2025 19:45	1.00	1.90	100.0	46.54	3.56	30.95	738	815	760	-5.00	1051	1116	-5	52.9
5/11/2025 20:00	1.00	1.90	100.0	53.39	4.19	30.55	748	814	757	-5.00	1062	1118	-5	51.7
5/11/2025 20:15	1.01	1.90	100.0	60.53	4.47	31.51	731	818	762	-5.00	1051	1125	-5	50.2
5/11/2025 20:30	1.01	1.90	100.0	51.79	3.94	31.03	732	821	731	-5.00	1045	1125	-5	50.6
5/11/2025 20:45	1.01	1.90	100.0	52.97	4.30	30.83	732	820	722	-5.00	1042	1121	-5	51.0
5/11/2025 21:00	1.01	1.90	100.0	38.07	4.10	31.09	716	822	749	-5.00	1047	1132	-5	50.9
5/11/2025 21:15	1.01	1.90	100.0	46.87	4.47	31.15	719	812	802	-5.00	1048	1159	-5	50.6
5/11/2025 21:30	1.01	1.90	100.0	53.91	4.21	29.92	747	797	807	-5.00	1048	1165	-5	50.2
5/11/2025 21:45	1.01	1.90	100.0	20.41	3.17	30.65	724	803	803	-5.00	1049	1159	-5	49.5
5/11/2025 22:00	1.01	1.90	100.0	50.14	4.43	31.41	721	813	765	-5.00	1055	1154	-5	49.3
5/11/2025 22:15	1.01	1.90	100.0	51.82	3.86	30.79	733	811	770	-5.00	1070	1137	-5	49.8
5/11/2025 22:30	1.02	1.90	100.0	49.84	4.49	31.26	732	810	787	-5.00	1053	1144	-5	49.3
5/11/2025 22:45	1.01	1.90	100.0	57.40	3.97	30.92	717	815	771	-5.00	1052	1146	-5	48.9
5/11/2025 23:00	1.02	1.90	100.0	55.44	4.07	31.06	719	813	790	-5.00	1050	1151	-5	48.6
5/11/2025 23:15	1.02	1.90	100.0	46.40	4.08	31.10	743	797	790	-5.00	1045	1162	-5	48.6
5/11/2025 23:30	1.02	1.90	100.0	37.70	4.07	31.20	725	800	808	-5.00	1049	1160	-5	47.9
5/11/2025 23:45	1.02	1.90	100.0	43.20	3.58	31.46	716	810	782	-5.00	1046	1149	-5	47.5
5/12/2025 0:00	1.02	1.90	100.0	47.86	4.01	30.88	717	811	798	-5.00	1050	1140	-5	47.6
5/12/2025 0:15	1.02	1.90	100.0	49.04	4.05	31.17	722	811	787	-5.00	1046	1141	-5	47.7

Calculated Data

Flare Gas Composition

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
5/10/2025 3:45	0.168	1.06	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 4:00	0.164	1.03	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 4:15	0.170	1.07	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 4:30	0.168	1.06	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 4:45	0.167	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 5:00	0.162	1.02	0.24	0.00	59.82	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 5:15	0.162	1.02	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 5:30	0.158	1.00	0.24	0.00	59.83	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 5:45	0.154	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.50	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 6:00	0.153	0.97	0.24	0.00	59.85	0.00	0.22	0.00	0.71	31.51	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 6:15	0.167	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 6:30	0.185	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 6:45	0.188	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 7:00	0.168	1.06	0.24	0.00	59.79	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/10/2025 7:15	0.206	1.30	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 7:30	0.189	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 7:45	0.199	1.26	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 8:00	0.203	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 8:15	0.189	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 8:30	0.202	1.27	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 8:45	0.245	1.54	0.24	0.00	59.51	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 9:00	0.230	1.45	0.24	0.00	59.56	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 9:15	0.239	1.50	0.24	0.00	59.53	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 9:30	0.220	1.38	0.24	0.00	59.60	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 9:45	0.204	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 10:00	0.204	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 10:15	0.243	1.53	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 10:30	0.242	1.52	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 10:45	0.253	1.60	0.24	0.00	59.48	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 11:00	0.242	1.53	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.33	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 11:15	0.241	1.52	0.24	0.00	59.52	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 11:30	0.250	1.58	0.24	0.00	59.49	0.00	0.22	0.00	0.70	31.32	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/10/2025 11:45	0.259	1.63	0.24	0.00	59.45	0.00	0.22	0.00	0.70	31.30	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 12:00	0.254	1.60	0.24	0.00	59.47	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 12:15	0.271	1.71	0.24	0.00	59.41	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 12:30	0.276	1.74	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.27	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 12:45	0.266	1.68	0.24	0.00	59.43	0.00	0.22	0.00	0.70	31.29	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 13:00	0.280	1.77	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 13:15	0.276	1.74	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.27	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 13:30	0.263	1.66	0.24	0.00	59.44	0.00	0.22	0.00	0.70	31.29	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 13:45	0.262	1.65	0.24	0.00	59.44	0.00	0.22	0.00	0.70	31.29	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 14:00	0.265	1.67	0.24	0.00	59.43	0.00	0.22	0.00	0.70	31.29	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 14:15	0.279	1.76	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 14:30	0.279	1.76	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 14:45	0.289	1.83	0.24	0.00	59.34	0.00	0.22	0.00	0.70	31.24	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 15:00	0.292	1.84	0.24	0.00	59.33	0.00	0.22	0.00	0.70	31.23	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 15:15	0.294	1.86	0.24	0.00	59.32	0.00	0.22	0.00	0.70	31.23	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 15:30	0.299	1.89	0.24	0.00	59.31	0.00	0.22	0.00	0.70	31.22	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 15:45	0.303	1.92	0.24	0.00	59.29	0.00	0.22	0.00	0.70	31.21	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 16:00	0.280	1.77	0.24	0.00	59.37	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 16:15	0.275	1.74	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.27	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 16:30	0.283	1.79	0.24	0.00	59.36	0.00	0.22	0.00	0.70	31.25	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 16:45	0.285	1.80	0.24	0.00	59.36	0.00	0.22	0.00	0.70	31.25	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 17:00	0.278	1.76	0.24	0.00	59.38	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 17:15	0.291	1.85	0.24	0.00	59.33	0.00	0.22	0.00	0.70	31.23	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 17:30	0.286	1.81	0.24	0.00	59.35	0.00	0.22	0.00	0.70	31.24	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 17:45	0.302	1.92	0.24	0.00	59.29	0.00	0.22	0.00	0.70	31.21	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 18:00	0.319	2.02	0.24	0.00	59.23	0.00	0.21	0.00	0.70	31.18	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 18:15	0.378	2.40	0.24	0.00	59.01	0.00	0.21	0.00	0.70	31.07	2.07	1.11	0.00	0.94	0.74	0.00	0.63	0.27	0.67
5/10/2025 18:30	0.444	2.81	0.24	0.00	58.77	0.00	0.21	0.00	0.69	30.94	2.06	1.10	0.00	0.93	0.74	0.00	0.62	0.27	0.67
5/10/2025 18:45	0.426	2.70	0.24	0.00	58.84	0.00	0.21	0.00	0.69	30.98	2.07	1.10	0.00	0.93	0.74	0.00	0.63	0.27	0.67
5/10/2025 19:00	0.416	2.64	0.24	0.00	58.87	0.00	0.21	0.00	0.69	30.99	2.07	1.10	0.00	0.94	0.74	0.00	0.63	0.27	0.67
5/10/2025 19:15	0.395	2.50	0.24	0.00	58.95	0.00	0.21	0.00	0.70	31.03	2.07	1.11	0.00	0.94	0.74	0.00	0.63	0.27	0.67
5/10/2025 19:30	0.354	2.25	0.24	0.00	59.10	0.00	0.21	0.00	0.70	31.11	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 19:45	0.343	2.18	0.24	0.00	59.14	0.00	0.21	0.00	0.70	31.13	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 20:00	0.321	2.04	0.24	0.00	59.22	0.00	0.21	0.00	0.70	31.18	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 20:15	0.315	2.00	0.24	0.00	59.24	0.00	0.21	0.00	0.70	31.19	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 20:30	0.301	1.91	0.24	0.00	59.30	0.00	0.22	0.00	0.70	31.22	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 20:45	0.288	1.83	0.24	0.00	59.34	0.00	0.22	0.00	0.70	31.24	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 21:00	0.282	1.79	0.24	0.00	59.36	0.00	0.22	0.00	0.70	31.25	2.08	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 21:15	0.276	1.75	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 21:30	0.280	1.78	0.24	0.00	59.37	0.00	0.22	0.00	0.70	31.26	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 21:45	0.275	1.74	0.24	0.00	59.39	0.00	0.22	0.00	0.70	31.27	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 22:00	0.271	1.72	0.24	0.00	59.41	0.00	0.22	0.00	0.70	31.27	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 22:15	0.267	1.69	0.24	0.00	59.42	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 22:30	0.267	1.69	0.24	0.00	59.42	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 22:45	0.266	1.69	0.24	0.00	59.42	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 23:00	0.265	1.68	0.24	0.00	59.43	0.00	0.22	0.00	0.70	31.28	2.09	1.11	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 23:15	0.261	1.66	0.24	0.00	59.44	0.00	0.22	0.00	0.70	31.29	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 23:30	0.257	1.63	0.24	0.00	59.46	0.00	0.22	0.00	0.70	31.30	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/10/2025 23:45	0.252	1.59	0.24	0.00	59.48	0.00	0.22	0.00	0.70	31.31	2.09	1.12	0.00	0.94	0.75	0.00	0.63	0.27	0.68
5/11/2025 0:00	0.245	1.55	0.24	0.00	59.50	0.00	0.22	0.00	0.70	31.32	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 0:15	0.238	1.51	0.24	0.00	59.53	0.00	0.22	0.00	0.70	31.34	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 0:30	0.230	1.46	0.24	0.00	59.56	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 0:45	0.229	1.45	0.24	0.00	59.56	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 1:00	0.227	1.44	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 1:15	0.223	1.41	0.24	0.00	59.59	0.00	0.22	0.00	0.70	31.37	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 1:30	0.218	1.38	0.24	0.00	59.60	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 1:45	0.217	1.37	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 2:00	0.211	1.34	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 2:15	0.205	1.30	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 2:30	0.199	1.26	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 2:45	0.197	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 3:00	0.191	1.21	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 3:15	0.189	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 3:30	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 3:45	0.181	1.14	0.24	0.00	59.74	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 4:00	0.178	1.13	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 4:15	0.175	1.11	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 4:30	0.174	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 4:45	0.172	1.09	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 5:00	0.173	1.09	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 5:15	0.170	1.08	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 5:30	0.165	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 5:45	0.163	1.03	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 6:00	0.164	1.04	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 6:15	0.166	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 6:30	0.173	1.09	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 6:45	0.174	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 7:00	0.180	1.14	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 7:15	0.183	1.16	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 7:30	0.187	1.18	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 7:45	0.184	1.16	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 8:00	0.191	1.21	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 8:15	0.188	1.19	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 8:30	0.195	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 8:45	0.196	1.24	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 9:00	0.198	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 9:15	0.197	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 9:30	0.196	1.24	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 9:45	0.202	1.28	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 10:00	0.205	1.30	0.24	0.00	59.65	0.00	0.22	0.00	0.70	31.40	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 10:15	0.197	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 10:30	0.201	1.28	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 10:45	0.190	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 11:00	0.182	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 11:15	0.181	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 11:30	0.192	1.22	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 11:45	0.189	1.20	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 12:00	0.192	1.22	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 12:15	0.177	1.12	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 12:30	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 12:45	0.197	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 13:00	0.197	1.25	0.24	0.00	59.68	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 13:15	0.195	1.24	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 13:30	0.177	1.12	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 13:45	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 14:00	0.185	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 14:15	0.182	1.16	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 14:30	0.188	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 14:45	0.186	1.18	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 15:00	0.188	1.19	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 15:15	0.191	1.22	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 15:30	0.193	1.22	0.24	0.00	59.70	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 15:45	0.186	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 16:00	0.193	1.23	0.24	0.00	59.69	0.00	0.22	0.00	0.70	31.42	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 16:15	0.186	1.18	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 16:30	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 16:45	0.181	1.15	0.24	0.00	59.74	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 17:00	0.179	1.14	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 17:15	0.187	1.19	0.24	0.00	59.72	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 17:30	0.216	1.38	0.24	0.00	59.61	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 17:45	0.222	1.41	0.24	0.00	59.58	0.00	0.22	0.00	0.70	31.37	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 18:00	0.203	1.29	0.24	0.00	59.66	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 18:15	0.232	1.48	0.24	0.00	59.55	0.00	0.22	0.00	0.70	31.35	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 18:30	0.226	1.44	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 18:45	0.226	1.44	0.24	0.00	59.57	0.00	0.22	0.00	0.70	31.36	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 19:00	0.217	1.38	0.24	0.00	59.60	0.00	0.22	0.00	0.70	31.38	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 19:15	0.221	1.41	0.24	0.00	59.59	0.00	0.22	0.00	0.70	31.37	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 19:30	0.209	1.33	0.24	0.00	59.63	0.00	0.22	0.00	0.70	31.39	2.09	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 19:45	0.198	1.26	0.24	0.00	59.67	0.00	0.22	0.00	0.70	31.41	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 20:00	0.189	1.21	0.24	0.00	59.71	0.00	0.22	0.00	0.70	31.43	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 20:15	0.179	1.14	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 20:30	0.182	1.16	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 20:45	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 21:00	0.184	1.17	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.44	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 21:15	0.182	1.16	0.24	0.00	59.73	0.00	0.22	0.00	0.70	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 21:30	0.179	1.14	0.24	0.00	59.74	0.00	0.22	0.00	0.71	31.45	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 21:45	0.175	1.11	0.24	0.00	59.76	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 22:00	0.173	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 22:15	0.177	1.12	0.24	0.00	59.75	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.63	0.27	0.68
5/11/2025 22:30	0.173	1.10	0.24	0.00	59.77	0.00	0.22	0.00	0.71	31.46	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 22:45	0.171	1.09	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 23:00	0.169	1.07	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 23:15	0.169	1.07	0.24	0.00	59.78	0.00	0.22	0.00	0.71	31.47	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 23:30	0.164	1.05	0.24	0.00	59.80	0.00	0.22	0.00	0.71	31.48	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/11/2025 23:45	0.162	1.03	0.24	0.00	59.81	0.00	0.22	0.00	0.71	31.49	2.10	1.12	0.00	0.95	0.75	0.00	0.64	0.27	0.68
5/12/2025 0:00	0.163	1.03	0.25	0.00	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 0:15	0.163	1.04	0.25	0.00	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	LFLvg	NHVvg BTU/SCF	lb/lbmol		NHVcz-limit BTU/SCF	ft/s	1	lb/hr	SCFH	lb/hr	SCFH	NHVcz BTU/SCF	ft/s	kg/period	2.8	lb/hr	SCFH	lb/hr	SCFH	NHVcz BTU/SCF	ft/s	kg/period	3	lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period	5.5		lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
5/10/2025 3:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167530	4193	88326	771	0.07	7.63																								7.63
5/10/2025 4:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167561	4193	88326	772	0.07	7.63																								7.63
5/10/2025 4:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167511	4193	88326	771	0.07	7.63																								7.63
5/10/2025 4:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167524	4193	88326	771	0.07	7.63																								7.63
5/10/2025 4:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167533	4193	88326	771	0.07	7.63																								7.63
5/10/2025 5:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167573	4193	88326	772	0.07	7.63																								7.63
5/10/2025 5:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167572	4193	88326	772	0.07	7.63																								7.63
5/10/2025 5:30	0.04	1177	10.26	47.77	339.2	400	1	4529	167606	4193	88326	772	0.07	7.64																								7.64
5/10/2025 5:45	0.04	1177	10.25	47.77	339.2	400	1	4529	167640	4193	88326	772	0.07	7.64																								7.64
5/10/2025 6:00	0.04	1177	10.25	47.77	339.2	400	1	4529	167648	4193	88326	772	0.07	7.64																								7.64
5/10/2025 6:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167536	4193	88326	772	0.07	7.63																								7.63
5/10/2025 6:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167382	4193	88326	770	0.07	7.61																								7.61
5/10/2025 6:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167359	4193	88326	770	0.07	7.61																								7.61
5/10/2025 7:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167524	4193	88326	771	0.07	7.63																								7.63
5/10/2025 7:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167213	4193	88326	769	0.07	7.60																								7.60
5/10/2025 7:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167352	4193	88326	770	0.07	7.61																								7.61
5/10/2025 7:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167266	4193	88326	770	0.07	7.60																								7.60
5/10/2025 8:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167238	4193	88326	769	0.07	7.60																								7.60
5/10/2025 8:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167353	4193	88326	770	0.07	7.61																								7.61
5/10/2025 8:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167245	4193	88326	769	0.07	7.60																								7.60
5/10/2025 8:45	0.04	1170	10.30	47.77	339.2	400	1	4529	166887	4193	88326	767	0.07	7.56																								7.56
5/10/2025 9:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167010	4193	88326	768	0.07	7.58																								7.58
5/10/2025 9:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166941	4193	88326	767	0.07	7.57																								7.57
5/10/2025 9:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167100	4193	88326	768	0.07	7.59																								7.59
5/10/2025 9:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167225	4193	88326	769	0.07	7.60																								7.60
5/10/2025 10:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167226	4193	88326	769	0.07	7.60																								7.60
5/10/2025 10:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166905	4193	88326	767	0.07	7.57																								7.57
5/10/2025 10:30	0.04	1171	10.30	47.77	339.2	400	1	4529	166914	4193	88326	767	0.07	7.57																								7.57
5/10/2025 10:45	0.04	1170	10.30	47.77	339.2	400	1	4529	166818	4193	88326	766	0.07	7.56																								7.56
5/10/2025 11:00	0.04	1171	10.30	47.77	339.2	400	1	4529	166910	4193	88326	767	0.07	7.57																								7.57
5/10/2025 11:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166921	4193	88326	767	0.07	7.57																								7.57
5/10/2025 11:30	0.04	1170	10.30	47.77	339.2	400	1	4529	166844	4193	88326	766	0.07	7.56																								7.56
5/10/2025 11:45	0.04	1169	10.31	47.77	339.2	400	1	4529	166766	4193	88326	766	0.07	7.55																								7.55
5/10/2025 12:00	0.04	1170	10.30	47.77	339.2	400	1	4529	166807	4193	88326	766	0.07	7.56																								7.56
5/10/2025 12:15	0.04	1169	10.31	47.77	339.2	400	1	4529	166669	4193	88326	765	0.07	7.54																								7.54
5/10/2025 12:30	0.04	1168	10.32	47.77	339.2	400	1	4529	166622	4193	88326	765	0.07	7.54																								7.54
5/10/2025 12:45	0.04	1169	10.31	47.77	339.2	400	1	4529	166710	4193	88326	766	0.07	7.55																								7.55
5/10/2025 13:00	0.04	1168	10.32	47.77	339.2	400	1	4529	166589	4193	88326	765	0.07	7.53																								7.53
5/10/2025 13:15	0.04	1168	10.32	47.77	339.2	400	1	4529	166625	4193	88326	765	0.07	7.54																								7.54
5/10/2025 13:30	0.04	1169	10.31	47.77	339.2	400	1	4529	166734	4193	88326	766	0.07	7.55																								7.55
5/10/2025 13:45	0.04	1169	10.31	47.77	339.2	400	1	4529	166742	4193	88326	766	0.07	7.55																								7.55
5/10/2025 14:00	0.04	1169	10.31	47.77	339.2	400	1	4529	166715	4193	88326	766	0.07	7.55																								7.55
5/10/2025 14:15	0.04	1168	10.32	47.77	339.2	400	1	4529	166598	4193	88326	765	0.07	7.53																								7.53
5/10/2025 14:30	0.04	1168	10.32	47.77	339.2	400	1	4529	166601	4193	88326	765	0.07	7.53																								7.53
5/10/2025 14:45	0.04	1167	10.32	47.77	339.2	400	1	4529	166509	4193	88326	764	0.07	7.53																								7.53
5/10/2025 15:00	0.04	1167	10.33	47.77	339.2	400	1	4529	166489	4193	88326	764	0.07	7.52																								7.52
5/10/2025 15:15	0.04	1167	10.33	47.77	339.2	400	1	4529	166471	4193	88326	764	0.07	7.52																								7.52
5/10/2025 15:30	0.04	1166	10.33	47.77	339.2	400	1	4529	166430	4193	88326	763	0.07	7.52																								7.52
5/10/2025 15:45	0.04	1166	10.33	47.77	339.2	400	1	4529	166390	4193	88326	763	0.07	7.51																								7.51
5/10/2025 16:00	0.04	1168	10.32	47.77	339.2	400	1	4529	166585	4193	88326	765	0.07	7.53																								7.53
5/10/2025 16:15	0.04	1168	10.32	47.77	339.2	400	1	4529	166622	4193	88326	765	0.07	7.54																								7.54
5/10/2025 16:30	0.04	1168	10.32	47.77	339.2	400	1	4529	166558	4193	88326	764	0.07	7.53																								7.53
5/10/2025 16:45	0.04	1167	10.32	47.77	339.2	400	1	4529	166541	4193	88326	764	0.07	7.53																								7.53
5/10/2025 17:00	0.04	1168	10.32	47.77	339.2	400	1	4529	166602	4193	88326	765	0.07	7.53																								7.53
5/10/2025 17:15	0.04	1167	10.33	47.77	339.2	400	1	4529	166487	4193	88326	764	0.07	7.52																								7.52
5/10/2025 17:30	0.04	1167	10.32	47.77	339.2	400	1	4529	166530	4193	88326	764	0.07	7.53																								7.53
5/10/2025 17:45	0.04	1166	10.33	47.77	339.2	400	1	4529	166392	4193	88326	763	0.07	7.51																								7.51
5/10/2025 18:00	0.04	1165	10.34	47.77	339.2	400	1	4529	166252	4193	88326	762	0.07	7.50																								7.50
5/10/2025 18:15	0.04	1161	10.37	47.77	339.2	400	1	4529	165756	4193	88326	759	0.07	7.45																								7.45
5/10/2025 18:30	0.04	1156	10.41	47.77	339.2	400	1	4529	165204	4193	88326	755	0.07	7.39																								7.39
5/10/2025 18:45	0.04	1157	10.40	47.77	339.2	400	1	4529	165357	4193	88326	756	0.07	7.41																								7.41
5/10/2025 19:00	0.04	1158	10.39	47.77	339.2	400	1	4529	165436	4193	88326	756	0.07	7.42																								7.42
5/10/2025 19:15	0.04	1159	10.38	47.77	339.2	400	1	4529	165614	4193	88326	758	0.07	7.44																								7.44
5/10/2025 19:30	0.04	1162	10.36	47.77	339.2	400	1	4529	165956	4193	88326	760	0.07	7.47																								7.47
5/10/2025 19:45	0.04	1163	10.35	47.77	339.2	400	1	4529	166047	4193	88326	761	0.07	7.48																								7.48
5/10/2025 20:00	0.04	1165	10.34	47.77	339.2	400	1	4529	166235	4193	88326	762	0.07	7.50																								7.50
5/10/2025 20:15	0.04	1165	10.34	47.77	339.2	400	1	4529	166288	4193	88326	762	0.07	7.50																								7.50
5/10/2025 20:30	0.04	1166	10.33	47.77	339.2	400	1	4529	166406	4193	88326	763	0.07	7.51																								7.51
5/10/2025 20:45	0.04	1167	10.32	47.77	339.2	400	1	4529	166509	4193	88326	764	0.07	7.53																								7.53
5/10/2025 21:00	0.04	1168	10.32	47.77	339.2	400	1	4529	166561	4193	88326	764	0.07	7.53																								7.53
5/10/2025 21:15	0.04	1168	10.32	47.77	339.2	400	1	4529	166614	4193	88326	765	0.07	7.54																								7.54
5/10/2025 21:30	0.04	1168	10.32	47.77	339.2	400	1	4529	166579	4193	88326	765	0.07	7.53																								7.53
5/10/2025 21:45	0.04	1168	10.32	47.77	339.2	400	1	4529	166625	4193	88326	765	0.07	7.54																								7.54
5/10/2025 22:00	0.04	1168	10.31	47.77	339.2	400	1	4529	166659	4193	88326	765	0.07	7.54																								7.54
5/10/2025 22:15	0.04	1169	10.31	47.77	339.2	400	1	4529	166687	4193	88326	765	0.07	7.54																								7.54
5/10/2025 22:30	0.04	1169	10.31	47.77	339.2	400	1	4529	166690	4193	88326	765	0.07	7.54																								7.54
5/10/2025 22:45	0.04	1169	10.31	47.77	339.2	400	1	4529	166696	4193	88326	765	0.07	7.54																								7.54
5/10/2025 23:00	0.04	1169	10.31	47.77	339.2	400	1	4529	166704	4193	88326	765	0.07	7.54																								7.54
5/10/2025 23:15	0.04	1169	10.31	47.77	339.2	400	1	4529	166739	4193	88326	766	0.07	7.55																								7.55
5/10/2025 23:30	0.04	1169	10.31	47.77	339.2	400	1	4529	166779	4193	88326	766	0.07	7.55																								7.55
5/10/2025 23:45	0.04	1170	10.30	47.77	339.2	400	1	4529	166821	4193	88326	766	0.07	7.56																								7.56
5/11/2025 0:00	0.04	1170	10.30	47.77	339.2	400	1	4529	166874	4193	88326	767	0.07	7.56																								7.56
5/11/2025 0:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166935	4193	88326	767	0.07	7.57																								7.57
5/11/2025 0:30	0.04	1171	10.29	47.77	339.2	400	1	4529	167000	4193	88326	768	0.07	7.58																								7.58
5/11/2025 0:45	0.04	1171	10.29	47.77	339.2	400	1	4529	167006	4193	88326	768	0.07	7.58																								7.58
5/11/2025 1:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167025	4193	88326	768	0.07	7.58																								7.58
5/11/2025 1:15	0.04	1172	10.29	47.77	339.2	400	1	4529	167062	4193	88326	768	0.07	7.58																								7.58
5/11/2025 1:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167099	4193	88326	768	0.07	7.59																								7.59
5/11/2025 1:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167113	4193	88326	768	0.07	7.59																								7.59
5/11/2025 2:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167161	4193	88326	769	0.07	7.59																								7.59
5/11/2025 2:15	0.04	1173	10.28	47.77	339.2	400	1	4529	167209	4193	88326	769	0.07	7.60																								7.60
5/11/2025 2:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167259	4193	88326	769	0.07	7.60																								7.60
5/11/2025 2:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167273	4193	88326	770	0.07	7.60																								7.60
5/11/2025 3:00	0.04	1174	10.27	47.77	339.2	400	1	4529	167328	4193	88326	770	0.07	7.61																								7.61
5/11/2025 3:15	0.04	1174	10.27	47.77	339.2	400	1	4529	167341	4193	88326	770	0.07	7.61																								7.61
5/11/2025 3:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167383	4193	88326	770	0.07	7.61																								7.61
5/11/2025 3:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167413	4193	88326	771	0.07	7.62																								7.62
5/11/2025 4:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167431	4193	88326	771	0.07	7.62																								7.62
5/11/2025 4:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167456	4193	88326	771	0.07	7.62																								7.62
5/11/2025 4:30	0.04	1176	10.27	47.77	339.2	400	1	4529	167467	4193	88326	771	0.07	7.62																								7.62
5/11/2025 4:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167482	4193	88326	771	0.07	7.62																								7.62
5/11/2025 5:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167481	4193	88326	771	0.07	7.62																								7.62
5/11/2025 5:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167499	4193	88326	771	0.07	7.63																								7.63
5/11/2025 5:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167539	4193	88326	772	0.07	7.63																								7.63
5/11/2025 5:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167559	4193	88326	772	0.07	7.63																								7.63
5/11/2025 6:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167555	4193	88326	772	0.07	7.63																								7.63
5/11/2025 6:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167531	4193	88326	771	0.07	7.63																								7.63
5/11/2025 6:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167480	4193	88326	771	0.07	7.62																								7.62
5/11/2025 6:45	0.04	1176	10.27	47.77	339.2	400	1	4529	167466	4193	88326	771	0.07	7.62																								7.62
5/11/2025 7:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167421	4193	88326	771	0.07	7.62																								7.62
5/11/2025 7:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167393	4193	88326	770	0.07	7.62																								7.62
5/11/2025 7:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167364	4193	88326	770	0.07	7.61																								7.61
5/11/2025 7:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167386	4193	88326	770	0.07	7.61																								7.61
5/11/2025 8:00	0.04	1174	10.27	47.77	339.2	400	1	4529	167329	4193	88326	770	0.07	7.61																								7.61
5/11/2025 8:15	0.04	1174	10.27	47.77	339.2	400	1	4529	167349	4193	88326	770	0.07	7.61																								7.61
5/11/2025 8:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167294	4193	88326	770	0.07	7.61																								7.61
5/11/2025 8:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167288	4193	88326	770	0.07	7.60																								7.60
5/11/2025 9:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167270	4193	88326	770	0.07	7.60																								7.60
5/11/2025 9:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167279	4193	88326	770	0.07	7.60																								7.60
5/11/2025 9:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167286	4193	88326	770	0.07	7.60																								7.60
5/11/2025 9:45	0.04	1173	10.28	47.77	339.2	400	1	4529	167235	4193	88326	769	0.07	7.60																								7.60
5/11/2025 10:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167209	4193	88326	769	0.07	7.60																								7.60
5/11/2025 10:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167276	4193	88326	770	0.07	7.60																								7.60
5/11/2025 10:30	0.04	1174	10.28	47.77	339.2	400	1	4529	167240	4193	88326	769	0.07	7.60																								7.60
5/11/2025 10:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167337	4193	88326	770	0.07	7.61																								7.61
5/11/2025 11:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167403	4193	88326	771	0.07	7.62																								7.62
5/11/2025 11:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167406	4193	88326	771	0.07	7.62																								7.62
5/11/2025 11:30	0.04	1174	10.27	47.77	339.2	400	1	4529	167315	4193	88326	770	0.07	7.61																								7.61
5/11/2025 11:45	0.04	1174	10.27	47.77	339.2	400	1	4529	167339	4193	88326	770	0.07	7.61																								7.61
5/11/2025 12:00	0.04	1174	10.27	47.77	339.2	400	1	4529	167318	4193	88326	770	0.07	7.61																								7.61
5/11/2025 12:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167438	4193	88326	771	0.07	7.62																								7.62
5/11/2025 12:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167384	4193	88326	770	0.07	7.61																								7.61
5/11/2025 12:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167270	4193	88326	770	0.07	7.60																								7.60
5/11/2025 13:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167275	4193	88326	770	0.07	7.60																								7.60
5/11/2025 13:15	0.04	1174	10.28	47.77	339.2	400	1	4529	167287	4193	88326	770	0.07	7.60																								7.60
5/11/2025 13:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167438	4193	88326	771	0.07	7.62																								7.62
5/11/2025 13:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167385	4193	88326	770	0.07	7.61																								7.61
5/11/2025 14:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167375	4193	88326	770	0.07	7.61																								7.61
5/11/2025 14:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167397	4193	88326	770	0.07	7.62																								7.62
5/11/2025 14:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167351	4193	88326	770	0.07	7.61																								7.61
5/11/2025 14:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167362	4193	88326	770	0.07	7.61																								7.61
5/11/2025 15:00	0.04	1174	10.27	47.77	339.2	400	1	4529	167348	4193	88326	770	0.07	7.61																								7.61
5/11/2025 15:15	0.04	1174	10.27	47.77	339.2	400	1	4529	167320	4193	88326	770	0.07	7.61																								7.61
5/11/2025 15:30	0.04	1174	10.27	47.77	339.2	400	1	4529	167307	4193	88326	770	0.07	7.61																								7.61
5/11/2025 15:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167358	4193	88326	770	0.07	7.61																								7.61
5/11/2025 16:00	0.04	1174	10.28	47.77	339.2	400	1	4529	167301	4193	88326	770	0.07	7.61																								7.61
5/11/2025 16:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167363	4193	88326	770	0.07	7.61																								7.61
5/11/2025 16:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167376	4193	88326	770	0.07	7.61																								7.61
5/11/2025 16:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167402	4193	88326	771	0.07	7.62																								7.62
5/11/2025 17:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167421	4193	88326	771	0.07	7.62																								7.62
5/11/2025 17:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167352	4193	88326	770	0.07	7.61																								7.61
5/11/2025 17:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167104	4193	88326	768	0.07	7.59																								7.59
5/11/2025 17:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167058	4193	88326	768	0.07	7.58																								7.58
5/11/2025 18:00	0.04	1173	10.28	47.77	339.2	400	1	4529	167219	4193	88326	769	0.07	7.60																								7.60
5/11/2025 18:15	0.04	1171	10.30	47.77	339.2	400	1	4529	166976	4193	88326	767	0.07	7.57																								7.57
5/11/2025 18:30	0.04	1172	10.29	47.77	339.2	400	1	4529	167024	4193	88326	768	0.07	7.58																								7.58
5/11/2025 18:45	0.04	1172	10.29	47.77	339.2	400	1	4529	167022	4193	88326	768	0.07	7.58																								7.58
5/11/2025 19:00	0.04	1172	10.29	47.77	339.2	400	1	4529	167100	4193	88326	768	0.07	7.59																								7.59
5/11/2025 19:15	0.04	1172	10.29	47.77	339.2	400	1	4529	167066	4193	88326	768	0.07	7.58																								7.58
5/11/2025 19:30	0.04	1173	10.28	47.77	339.2	400	1	4529	167169	4193	88326	769	0.07	7.59																								7.59
5/11/2025 19:45	0.04	1174	10.28	47.77	339.2	400	1	4529	167256	4193	88326	769	0.07	7.60																								7.60
5/11/2025 20:00	0.04	1174	10.27	47.77	339.2	400	1	4529	167332	4193	88326	770	0.07	7.61																								7.61
5/11/2025 20:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167419	4193	88326	771	0.07	7.62																								7.62
5/11/2025 20:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167393	4193	88326	770	0.07	7.62																								7.62
5/11/2025 20:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167374	4193	88326	770	0.07	7.61																								7.61
5/11/2025 21:00	0.04	1175	10.27	47.77	339.2	400	1	4529	167380	4193	88326	770	0.07	7.61																								7.61
5/11/2025 21:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167392	4193	88326	770	0.07	7.62																								7.62
5/11/2025 21:30	0.04	1175	10.27	47.77	339.2	400	1	4529	167417	4193	88326	771	0.07	7.62																								7.62
5/11/2025 21:45	0.04	1175	10.27	47.77	339.2	400	1	4529	167455	4193	88326	771	0.07	7.62																								7.62
5/11/2025 22:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167470	4193	88326	771	0.07	7.62																								7.62
5/11/2025 22:15	0.04	1175	10.27	47.77	339.2	400	1	4529	167439	4193	88326	771	0.07	7.62																								7.62
5/11/2025 22:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167470	4193	88326	771	0.07	7.62																								7.62
5/11/2025 22:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167487	4193	88326	771	0.07	7.62																								7.62
5/11/2025 23:00	0.04	1176	10.26	47.77	339.2	400	1	4529	167505	4193	88326	771	0.07	7.63																								7.63
5/11/2025 23:15	0.04	1176	10.26	47.77	339.2	400	1	4529	167506	4193	88326	771	0.07	7.63																								7.63
5/11/2025 23:30	0.04	1176	10.26	47.77	339.2	400	1	4529	167541	4193	88326	772	0.07	7.63																								7.63
5/11/2025 23:45	0.04	1176	10.26	47.77	339.2	400	1	4529	167561	4193	88326	772	0.07	7.63																								7.63
5/12/2025 0:00	0.04	1128	12.57	48.04	341.1	400	1	4529	136711	4193	88326	688	0.07	6.52																								6.52
5/12/2025 0:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136710	4193	88326	688	0.07	6.52																								6.52

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data / Calculated Data

	Flare Header Pressure (PSIG)	Flare Gas Compressor Suction P (PSIG)	Flare Gas Compressor Spillback (%)	Flare Flow Meter (KSCFH)	Flare Flow Meter (KLB/HR)	Flare Flow Meter (LB/LB-MOL)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Pilots (DEGF)	36inch Steam OP (%)	24inch Pilots (DEGF)	24inch Pilots (DEGF)	24inch Steam (%)	Ambient Temp. (DEGF)	Water Vapour /Partial Pressure (PSIA)	Water (Mol %)	Hydrogen Sulphide (mol%)	Sulphur Dioxide (mol%)
5/12/2025 0:30	1.03	1.90	100.0	44.66	3.94	30.00	715	813	789	-5.00	1044	1138	-5	47.4	0.161	1.03	0.25	0.00
5/12/2025 0:45	1.03	1.90	100.0	70.21	4.02	30.61	712	812	804	-5.00	1055	1150	-5	47.1	0.160	1.02	0.25	0.00
5/12/2025 1:00	1.03	1.90	100.0	55.80	4.24	31.35	709	811	796	-5.00	1042	1142	-5	46.8	0.158	1.00	0.25	0.00
5/12/2025 1:15	1.03	1.90	100.0	51.91	4.36	31.09	721	809	795	-5.00	1050	1141	-5	46.8	0.158	1.00	0.25	0.00
5/12/2025 1:30	1.03	1.90	100.0	50.86	4.24	31.48	713	811	803	-5.00	1046	1142	-5	47.8	0.164	1.04	0.25	0.00
5/12/2025 1:45	1.03	1.90	100.0	55.86	4.57	30.84	728	808	784	-5.00	1044	1135	-5	47.7	0.163	1.04	0.25	0.00
5/12/2025 2:00	1.03	1.90	100.0	36.75	3.84	31.84	723	806	808	-5.00	1058	1141	-5	49.8	0.177	1.12	0.25	0.00
5/12/2025 2:15	1.03	1.90	100.0	39.66	3.58	31.47	723	812	790	-5.00	1063	1148	-5	48.4	0.167	1.06	0.25	0.00
5/12/2025 2:30	1.03	1.90	100.0	46.28	3.77	31.45	711	814	790	-5.00	1045	1142	-5	48.2	0.166	1.06	0.25	0.00
5/12/2025 2:45	1.04	1.90	100.0	44.00	3.54	30.99	711	816	781	-5.00	1044	1143	-5	48.5	0.168	1.07	0.25	0.00
5/12/2025 3:00	1.04	1.90	100.0	53.76	3.07	31.14	698	820	788	-5.00	1041	1150	-5	48.4	0.168	1.07	0.25	0.00
5/12/2025 3:15	1.04	1.90	100.0	58.58	4.02	30.93	713	809	811	-5.00	1052	1163	-5	47.9	0.164	1.05	0.25	0.00
5/12/2025 3:30	1.04	1.90	100.0	51.08	3.35	30.95	742	788	792	-5.00	1063	1168	-5	47.3	0.161	1.02	0.25	0.00
5/12/2025 3:45	1.04	1.90	100.0	35.44	3.46	30.89	707	788	827	-5.00	1046	1170	-5	47.0	0.159	1.01	0.25	0.00
5/12/2025 4:00	1.04	1.90	100.0	31.80	3.04	31.51	709	798	817	-5.00	1040	1171	-5	46.8	0.157	1.00	0.25	0.00
5/12/2025 4:15	1.04	1.90	100.0	56.27	4.20	31.03	717	798	813	-5.00	1041	1169	-5	46.7	0.157	1.00	0.25	0.00
5/12/2025 4:30	1.05	1.90	100.0	47.07	3.57	30.67	730	792	814	-5.00	1045	1167	-5	47.0	0.159	1.01	0.25	0.00
5/12/2025 4:45	1.04	1.90	100.0	50.44	4.40	30.75	753	802	812	-5.00	1044	1140	-5	47.8	0.164	1.04	0.25	0.00
5/12/2025 5:00	1.05	1.90	100.0	52.18	4.10	30.84	754	805	810	-5.00	1039	1132	-5	47.7	0.163	1.04	0.25	0.00
5/12/2025 5:15	1.04	1.90	100.0	42.28	4.22	31.24	755	802	810	-5.00	1038	1162	-5	47.5	0.162	1.03	0.25	0.00
5/12/2025 5:30	1.04	1.90	100.0	45.85	4.09	31.08	764	802	811	-5.00	1043	1148	-5	47.2	0.160	1.02	0.25	0.00
5/12/2025 5:45	1.04	1.90	100.0	45.46	3.84	31.09	759	800	805	-5.00	1044	1146	-5	46.7	0.157	1.00	0.25	0.00
5/12/2025 6:00	1.05	1.90	100.0	53.47	3.94	31.17	772	795	798	-5.00	1042	1149	-5	46.9	0.158	1.01	0.25	0.00
5/12/2025 6:15	1.04	1.90	100.0	55.75	4.18	30.76	743	800	798	-5.00	1045	1138	-5	47.4	0.161	1.02	0.25	0.00

Flare Gas Composition

	Hydrogen (mol %)	Oxygen (mol %)	Nitrogen (mol %)	Carbon Monoxide (mol %)	Carbon Dioxide (mol %)	Methane (mol %)	Ethane (mol %)	Propane (mol %)	Propylene (mol %)	i-Butane (mol %)	n-Butane (mol %)	Butylene (mol %)	i-Pentane (mol %)	n-Pentane (mol %)	n-Hexane and C6+ (mol %)
5/12/2025 0:30	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 0:45	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 1:00	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.62
5/12/2025 1:15	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.62
5/12/2025 1:30	56.05	0.00	8.70	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 1:45	56.05	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 2:00	56.01	0.00	8.70	0.00	0.66	24.27	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 2:15	56.04	0.00	8.70	0.00	0.66	24.28	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 2:30	56.04	0.00	8.70	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 2:45	56.04	0.00	8.70	0.00	0.66	24.28	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 3:00	56.04	0.00	8.70	0.00	0.66	24.28	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 3:15	56.05	0.00	8.70	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 3:30	56.06	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 3:45	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 4:00	56.08	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.62
5/12/2025 4:15	56.08	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.62
5/12/2025 4:30	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 4:45	56.05	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 5:00	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 5:15	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 5:30	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 5:45	56.08	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.62
5/12/2025 6:00	56.07	0.00	8.71	0.00	0.66	24.30	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61
5/12/2025 6:15	56.06	0.00	8.71	0.00	0.66	24.29	2.52	2.33	0.00	1.23	1.10	0.00	0.75	0.46	0.61

Property Calculations / ZTOF / 36Inch Flare / 24Inch Flare / Pit Flare

	Flare Gas Lower Flamibility Limit (LFLvg)	Net Heating Value (NHVvg, BTU/SCF)	Molecular Weight (lb/lbmol)	NFVvg-LFL	Calc Net Heating Value Limit (NHVcz-limit, BTU/SCF)	Maximum Velocity (ft/s)	ZTOF Stage Estimate (1)	ZTOF Flow Estimate (lb/hr)	ZTOF Flow Estimate (SCFH)	ZTOF Steam Flow Estimate (lb/hr)	ZTOF Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz, BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	36inch Flare Active Estimate (2.8)	36inch Flow Estimate (lb/hr)	36inch Flow Estimate (SCFH)	36inch Steam Flow Estimate (lb/hr)	36inch Steam Flow Estimate (SCFH)	Net Heating Value (NHVcz, BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	24inch Flare Active Estimate (3)	24inch Flow Estimate (lb/hr)	24inch Flow Estimate (SCFH)	24inch Steam Flow Estimate (lb/hr)	24inch Steam Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Pit Flare Active Estimate (5.5)	Pit Flare Scenario	Pit Flow Estimate (lb/hr)	Pit Flow Estimate (SCFH)	Net Heating Value (BTU/SCF)	Actual Velocity (ft/s)	SO2 Emissions (kg/period)	Total SO2 Emissions (kg/period)
5/12/2025 0:30	0.04	1128	12.57	48.04	341.1	400	1	4529	136716	4193	88326	688	0.07	6.52																								6.52
5/12/2025 0:45	0.04	1128	12.57	48.04	341.1	400	1	4529	136723	4193	88326	688	0.07	6.52																								6.52
5/12/2025 1:00	0.04	1128	12.57	48.04	341.1	400	1	4529	136730	4193	88326	688	0.07	6.52																								6.52
5/12/2025 1:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136730	4193	88326	688	0.07	6.52																								6.52
5/12/2025 1:30	0.04	1128	12.57	48.04	341.1	400	1	4529	136706	4193	88326	687	0.07	6.52																								6.52
5/12/2025 1:45	0.04	1128	12.57	48.04	341.1	400	1	4529	136708	4193	88326	688	0.07	6.52																								6.52
5/12/2025 2:00	0.04	1127	12.58	48.04	341.1	400	1	4529	136655	4193	88326	687	0.07	6.51																								6.51
5/12/2025 2:15	0.04	1128	12.58	48.04	341.1	400	1	4529	136692	4193	88326	687	0.07	6.51																								6.51
5/12/2025 2:30	0.04	1128	12.58	48.04	341.1	400	1	4529	136697	4193	88326	687	0.07	6.51																								6.51
5/12/2025 2:45	0.04	1128	12.58	48.04	341.1	400	1	4529	136690	4193	88326	687	0.07	6.51																								6.51
5/12/2025 3:00	0.04	1128	12.58	48.04	341.1	400	1	4529	136691	4193	88326	687	0.07	6.51																								6.51
5/12/2025 3:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136704	4193	88326	687	0.07	6.52																								6.52
5/12/2025 3:30	0.04	1128	12.57	48.04	341.1	400	1	4529	136719	4193	88326	688	0.07	6.52																								6.52
5/12/2025 3:45	0.04	1128	12.57	48.04	341.1	400	1	4529	136726	4193	88326	688	0.07	6.52																								6.52
5/12/2025 4:00	0.04	1128	12.57	48.04	341.1	400	1	4529	136732	4193	88326	688	0.07	6.52																								6.52
5/12/2025 4:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136735	4193	88326	688	0.07	6.52																								6.52
5/12/2025 4:30	0.04	1128	12.57	48.04	341.1	400	1	4529	136726	4193	88326	688	0.07	6.52																								6.52
5/12/2025 4:45	0.04	1128	12.57	48.04	341.1	400	1	4529	136708	4193	88326	688	0.07	6.52																								6.52
5/12/2025 5:00	0.04	1128	12.57	48.04	341.1	400	1	4529	136710	4193	88326	688	0.07	6.52																								6.52
5/12/2025 5:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136715	4193	88326	688	0.07	6.52																								6.52
5/12/2025 5:30	0.04	1128	12.57	48.04	341.1	400	1	4529	136722	4193	88326	688	0.07	6.52																								6.52
5/12/2025 5:45	0.04	1128	12.57	48.04	341.1	400	1	4529	136732	4193	88326	688	0.07	6.52																								6.52
5/12/2025 6:00	0.04	1128	12.57	48.04	341.1	400	1	4529	136729	4193	88326	688	0.07	6.52																								6.52
5/12/2025 6:15	0.04	1128	12.57	48.04	341.1	400	1	4529	136717	4193	88326	688	0.07	6.52																								6.52

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

Historian Data / **Calculated Data**

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%
5/28/2025 20:15	0.64	0.65	21.9	35.03	3.78	38.88	809	760	783	-5.00	1044	1120	-5	50.5	0.181	1.18	0.59	0.00
5/28/2025 20:30	0.63	0.65	22.0	40.03	3.90	38.10	794	781	796	-5.00	1050	1098	-5	50.0	0.178	1.16	0.59	0.00
5/28/2025 20:45	0.64	0.65	21.8	48.89	4.88	38.83	762	799	793	-5.00	1049	1103	-5	49.6	0.175	1.14	0.59	0.00
5/28/2025 21:00	0.64	0.65	22.0	31.18	4.55	38.91	771	799	796	-5.00	1051	1098	-5	49.4	0.174	1.14	0.59	0.00
5/28/2025 21:15	0.64	0.65	22.0	29.54	4.61	38.67	731	806	769	-5.00	1044	1103	-5	49.3	0.173	1.13	0.59	0.00
5/28/2025 21:30	0.64	0.65	22.1	46.56	4.71	38.25	740	807	782	-5.00	1046	1104	-5	49.2	0.173	1.13	0.59	0.00
5/28/2025 21:45	0.64	0.65	22.2	49.74	4.65	39.14	721	811	757	-5.00	1044	1111	-5	49.3	0.173	1.13	0.59	0.00
5/28/2025 22:00	0.64	0.65	22.1	43.43	4.92	38.04	721	813	750	-5.00	1045	1124	-5	49.3	0.173	1.13	0.59	0.00
5/28/2025 22:15	0.64	0.65	22.1	57.90	5.10	38.48	717	812	751	-5.00	1046	1122	-5	49.3	0.173	1.13	0.59	0.00
5/28/2025 22:30	0.64	0.65	22.0	42.94	4.47	39.10	715	808	774	-5.00	1043	1133	-5	49.4	0.174	1.13	0.59	0.00
5/28/2025 22:45	0.64	0.65	21.9	36.66	4.43	38.69	714	808	770	-5.00	1041	1135	-5	49.4	0.174	1.13	0.59	0.00
5/28/2025 23:00	1.06	1.00	19.1	57.08	5.04	39.19	723	809	769	-5.00	1047	1128	-5	49.7	0.176	1.12	0.59	0.00
5/28/2025 23:15	1.52	1.55	21.8	52.00	4.56	36.27	711	805	779	-5.00	1049	1135	-5	49.9	0.177	1.09	0.59	0.00
5/28/2025 23:30	1.23	1.25	22.0	47.86	4.49	37.58	724	801	783	-5.00	1055	1145	-5	50.6	0.182	1.14	0.59	0.00
5/28/2025 23:45	1.02	1.04	22.0	44.48	4.67	38.13	731	805	772	-5.00	1049	1133	-5	50.7	0.182	1.16	0.59	0.00
5/29/2025 0:00	0.88	0.90	22.0	44.14	4.66	38.54	743	796	776	-5.00	1055	1130	-5	50.9	0.184	1.18	0.59	0.00
5/29/2025 0:15	0.76	0.78	21.5	47.89	4.65	38.84	735	799	785	-5.00	1051	1138	-5	51.1	0.185	1.20	0.58	0.00
5/29/2025 0:30	0.64	0.65	21.9	34.31	4.45	38.40	719	804	778	-5.00	1045	1136	-5	51.1	0.186	1.21	0.58	0.00
5/29/2025 0:45	0.64	0.65	21.8	46.24	4.79	38.90	721	794	786	-5.00	1046	1151	-5	51.5	0.188	1.23	0.58	0.00
5/29/2025 1:00	0.64	0.65	21.6	52.74	4.02	38.88	717	792	785	-5.00	1044	1144	-5	51.3	0.187	1.22	0.58	0.00
6/3/2025 2:30	0.92	0.83	28.1	49.32	4.38	36.96	764	761	776	-5.00	1060	1022	-5	68.8	0.348	2.23	0.58	0.00
6/3/2025 2:45	2.07	1.85	50.9	53.66	4.19	26.41	767	751	777	-5.00	1033	1050	-5	68.2	0.341	2.03	0.58	0.00
6/3/2025 3:00	1.90	1.81	36.9	36.35	4.18	36.36	766	754	777	-5.00	1042	1066	-5	68.1	0.340	2.05	0.58	0.00
6/3/2025 3:15	1.57	1.59	28.6	41.91	4.37	36.89	788	746	781	-5.00	1048	1071	-5	67.9	0.338	2.08	0.58	0.00
6/3/2025 3:30	1.56	1.58	28.0	41.61	3.63	36.08	800	755	781	-5.00	1048	1077	-5	65.2	0.308	1.90	0.58	0.00
6/3/2025 3:45	1.55	1.58	28.0	38.14	3.56	35.40	802	749	780	-5.00	1038	1067	-5	63.9	0.294	1.81	0.58	0.00
6/3/2025 4:00	1.55	1.58	28.0	37.39	3.20	34.56	802	741	786	-5.00	1043	1084	-5	64.5	0.300	1.85	0.58	0.00
6/3/2025 4:15	1.55	1.58	28.0	39.41	4.22	36.31	784	804	808	-5.00	1099	1170	-5	62.8	0.283	1.74	0.58	0.00
6/3/2025 4:30	1.55	1.57	28.0	33.95	3.48	36.90	793	816	779	-5.00	1101	1175	-5	61.4	0.269	1.66	0.58	0.00
6/3/2025 4:45	1.55	1.57	28.0	42.62	4.43	37.49	762	814	787	-5.00	1072	1162	-5	58.3	0.241	1.48	0.58	0.00
6/3/2025 5:00	1.55	1.57	28.0	39.51	3.87	37.11	726	806	804	-5.00	1038	1149	-5	55.2	0.216	1.33	0.58	0.00
6/3/2025 5:15	1.55	1.57	28.0	46.70	4.24	37.43	762	799	814	-5.00	1067	1149	-5	56.4	0.225	1.38	0.58	0.00
6/3/2025 5:30	1.55	1.57	28.0	33.19	3.63	37.02	807	769	806	-5.00	1100	1162	-5	57.4	0.234	1.44	0.58	0.00
6/3/2025 5:45	1.55	1.57	28.0	49.27	4.10	35.93	771	815	817	-5.00	1086	1170	-5	56.0	0.222	1.36	0.58	0.00
6/3/2025 6:00	1.55	1.57	28.0	31.79	3.29	36.43	739	811	820	-5.00	1079	1153	-5	56.1	0.222	1.37	0.58	0.00
6/3/2025 6:15	1.55	1.58	28.0	41.28	3.88	36.05	738	812	832	-5.00	1077	1154	-5	55.9	0.221	1.36	0.58	0.00
6/3/2025 6:30	1.55	1.57	28.0	52.26	3.69	35.62	740	795	829	-5.00	1060	1157	-5	55.4	0.217	1.34	0.58	0.00
6/3/2025 6:45	1.55	1.57	28.0	27.39	3.65	35.84	752	796	773	-5.00	1059	1153	-5	56.1	0.223	1.37	0.58	0.00
6/3/2025 7:00	1.56	1.58	28.0	35.46	3.76	36.20	778	828	779	-5.00	1093	1169	-5	58.3	0.241	1.48	0.58	0.00
6/3/2025 7:15	1.55	1.57	27.7	36.68	3.93	36.07	785	840	765	-5.00	1080	1160	-5	59.9	0.255	1.57	0.58	0.00
6/3/2025 7:30	1.54	1.56	24.7	50.34	4.05	35.94	765	815	751	-5.00	1068	1157	-5	60.0	0.256	1.58	0.58	0.00
6/3/2025 7:45	1.13	1.17	21.7	51.63	3.93	35.47	766	817	745	-5.00	1070	1151	-5	60.2	0.258	1.63	0.58	0.00
6/3/2025 8:00	0.91	0.92	22.7	36.83	3.33	35.97	782	806	741	-5.00	1059	1149	-5	61.9	0.274	1.76	0.58	0.00
6/3/2025 8:15	0.88	0.89	22.6	29.50	3.88	36.08	782	785	758	-5.00	1035	1139	-5	63.2	0.287	1.84	0.58	0.00
6/4/2025 8:30	0.65	0.65	21.8	43.68	3.81	37.67	760	753	767	-5.00	1003	1080	-5	77.8	0.471	3.07	0.57	0.00
6/4/2025 8:45	0.95	0.92	25.0	43.66	3.88	37.65	767	763	764	-5.00	1019	1095	-5	76.6	0.454	2.90	0.58	0.00
6/4/2025 9:00	2.15	1.87	46.2	28.03	2.76	36.84	774	764	779	-5.00	1023	1105	-5	75.9	0.443	2.63	0.58	0.00
6/4/2025 9:15	2.18	1.90	99.6	31.92	2.95	34.47	830	758	862	16.73	1006	1112	-5	74.6	0.423	2.51	0.58	0.00
6/4/2025 9:30	1.58	1.58	100.0	37.39	3.61	35.17	772	764	769	4.87	979	1132	-5	71.8	0.386	2.37	0.58	0.00
6/4/2025 9:45	1.44	1.47	100.0	37.82	3.98	36.72	796	770	801	0.00	977	1137	-5	71.7	0.384	2.38	0.58	0.00
6/4/2025 10:00	1.44	1.47	100.0	33.13	3.58	36.92	785	767	791	0.00	991	1130	-5	73.0	0.402	2.49	0.58	0.00
6/4/2025 10:15	1.44	1.47	100.0	35.29	4.04	37.14	781	770	796	0.00	968	1145	-5	72.7	0.397	2.46	0.58	0.00
6/4/2025 10:30	1.44	1.47	100.0	26.22	3.58	36.89	781	766	787	0.00	983	1134	-5	72.6	0.397	2.46	0.58	0.00
6/4/2025 10:45	1.44	1.47	100.0	38.71	4.04	36.93	773	766	778	0.00	1005	1127	-5	74.6	0.423	2.63	0.58	0.00
6/4/2025 11:00	1.44	1.47	100.0	44.12	4.04	37.27	770	760	777	0.00	996	1128	-5	75.7	0.440	2.73	0.58	0.00
6/4/2025 11:15	1.43	1.46	100.0	41.53	4.38	38.18	769	759	783	0.00	971	1140	-5	75.2	0.433	2.69	0.58	0.00
6/4/2025 11:30	1.43	1.46	100.0	47.70	4.80	37.30	770	769	778	0.00	979	1135	-5	74.4	0.420	2.61	0.58	0.00
6/4/2025 11:45	1.43	1.46	100.0	28.75	3.38	36.70	769	763	776	0.00	980	1133	-5	75.0	0.430	2.67	0.58	0.00
6/4/2025 12:00	1.43	1.46	100.0	38.16	3.89	36.94	773	763	782	0.00	961	1148	-5	76.4	0.450	2.79	0.58	0.00
6/4/2025 12:15	1.42	1.45	100.0	41.60	4.33	37.49	771	767	774	0.00	963	1143	-5	75.9	0.443	2.75	0.58	0.00
6/4/2025 12:30	1.45	1.49	100.0	63.34	5.78	36.46	772	768	774	0.00	985	1135	-5	75.7	0.440	2.72	0.58	0.00
6/4/2025 12:45	1.40	1.43	100.0	36.31	3.48	37.96	769	759	775	0.00	977	1130	-5	75.9	0.443	2.75	0.58	0.00
6/4/2025 13:00	1.40	1.43	100.0	37.59	4.38	36.85	771	761	772	0.00	981	1134	-5	75.7	0.440	2.73	0.58	0.00
6/4/2025 13:15	1.40	1.43	100.0	32.44	4.41	37.15	769	764	774	0.00	990	1135	-5	78.5	0.483	3.00	0.57	0.00
6/4/2025 13:30	1.40	1.43	100.0	34.58	3.83	37.07	779	772	787	0.00	958	1149	-5	77.8	0.471	2.93	0.58	0.00
6/4/2025 13:45	1.40	1.43	100.0	34.94	3.70	35.50	775	766	779	0.00	973	1136	-5	75.3	0.434	2.70	0.58	0.00
6/4/2025 14:00	1.39	1.42	100.0	56.68	3.73	35.54	763	753	770	0.00	992	1119	-5	76.3	0.449	2.79	0.58	0.00
6/4/2025 14:15	1.38	1.41	100.0	36.04	3.60	35.87	759	750	771	0.00	985	1108	-5	77.2	0.463	2.88	0.58	0.00
6/4/2025 14:30	1.37	1.40	100.0	49.12	4.46	35.93	765	741	776	0.00	967	1132	-5	77.8	0.471	2.94	0.58	0.00
6/4/2025 14:45	1.40	1.44	100.0	48.90	4.75	35.11	761	753	768	0.00	993	1100	-5	80.2	0.511	3.17	0.57	0.00
6/4/2025 15:00	1.44	1.45	100.0	87.24	5.10	31.36	759	747	768	0.00	987	1096	-5	82.5	0.550	3.41	0.57	0.00
6/4/2025 15:15	1.39	1.42	100.0	64.02	4.69	31.37	753	737	768	0.00	970	1093	-5	81.1	0.526	3.27	0.57	0.00
6/4/2025 15:30	1.37	1.40	100.0	48.31	4.71	32.44	755	745	767	0.00	971	1075	-5	80.3	0.512	3.18	0.57	0.00
6/4/2025 15:45	1.37	1.40	100.0	62.28	4.27	31.06	762	744	774	0.00	975	1075	-5	79.9	0.505	3.15	0.57	0.00
6/4/2025 16:00	1.37	1.40	100.0	54.85	4.83	32.27	764	744	776	0.00	973	1073	-5	81.5	0.533	3.32	0.57	0.00
6/4/2025 16:15	1.38	1.41	100.0	47.23	4.51	31.23	766	748	778	0.00	974	1076	-5	81.5	0.532	3.31	0.57	0.00
6/4/2025 16:30	1.36	1.39	100.0	61.80	4.20	30.99	769	750	778	0.00	976	1083	-5	79.6	0.501	3.12	0.57	0.00
6/4/2025 16:45	1.36	1.39	100.0	49.36	4.13	31.03	768	752	779	0.00	969	1062	-5	81.1	0.526	3.28	0.57	0.00
6/4/2025 17:00	1.35	1.38	100.0	63.05	4.77	31.10	767	746	780	0.00	972	1076	-5	80.7	0.519	3.23	0.57	0.00
6/4/2025 17:15	1.34	1.37	100.0	59.89	4.90	31.59	770	746	781	0.00	983	1091	-5	77.9	0.474	2.96	0.57	0.00
6/4/2025 17:30	1.35	1.38	100.0	69.49	4.81	31.34	768	747	778	0.00	951	1045	-5	85.9	0.615	3.83	0.57	0.00
6/4/2025 17:45	1.34	1.37	100.0	41.02	3.85	29.90	766	746	770	0.00	957	1047	-5	88.7	0.669	4.17	0.57	0.00
6/4/2025 18:00	1.33	1.37	97.8	83.43	4.38	30.24	766	753	772	0.00	964	1050	-5	89.0	0.677	4.22	0.57	0.00
6/4/2025 18:15	1.66	1.68	28.4	35.86	2.82	29.89	769	769	772	0.00	1014	1052	-5	88.9	0.675	4.13	0.57	0.00
6/4/2025 18:30	1.51	1.54	24.7	74.01	4.90	30.72	743	763	740	0.00	994	1005	-5	82.3	0.547	3.37	0.57	0.00
6/4/2025 18:45	1.38	1.39	21.0	60.69	4.53	31.11	746	764	740	0.00	1021	984	-5	80.0	0.507	3.16	0.57	0.00
6/4/2025 19:00	1.34	1.36	18.9	40.65	5.76	31.85	761	782	758	0.00	1072	1013	-5	81.4	0.531	3.32	0.57	0.00
6/4/2025 19:15	1.29	1.30	17.5	40.81	5.51	32.84	761	768	765	0.00	1067	1020	-5	80.1	0.509	3.19	0.57	0.00
6/4/2025 19:30	1.25	1.26	16.7	50.01	4.17	32.65	766	766	776	0.00	1082	1034	-5	78.7	0.486	3.05	0.57	0.00
6/4/2025 19:45	1.25	1.26	16.4	71.58	6.08	32.36	769	779	770	0.00	1083	1031	-5	78.0	0.474	2.98	0.57	0.00
6/4/2025 20:00	1.26	1.27	17.6	65.56	4.80	31.41	768	771	771	0.00	1062	1017	-5	77.4	0.466	2.92	0.58	0.00
6/4/2025 20:15	1.25	1.27	18.0	56.90	5.03	32.25	774	777	782	0.00	1069	1064	-5	77.3	0.464	2.91	0.58	0.00
6/4/2025 20:30	1.26	1.27	18.0	56.45	5.41	33.63	771	795	783	0.00	1087	1114	-5	77.2	0.463	2.90	0.58	0.00
6/4/2025 20:45	1.24	1.25	18.0	48.56	4.27	32.57	771	808	780	0.00	1078	1167	-5	75.4	0.437	2.74	0.58	0.00
6/4/2025 21:00	1.23	1.25	18.0	62.99	4.45	31.50	780	805	765	0.00	1063	1165	-5	74.0	0.416	2.61	0.58	0.00
6/4/2025 21:15	1.24	1.25	18.0	55.71	4.25	32.20	804	791	781	0.00	1082	1162	-5	74.9	0.429	2.69	0.58	0.00
6/4/2025 21:30	1.24	1.25	18.0	53.82	4.21	32.11	804	763	799	0.00	1087	1114	-5	76.7	0.454	2.85	0.58	0.00
6/4/2025 21:45	1.23	1.24	18.0	45.58	4.68	32.36	801	740	789	0.00	1063	1096	-5	76.1	0.446	2.80	0.58	0.00
6/4/2025 22:00	1.23	1.24	18.0	52.23	4.63	32.20	802	739	793	0.00	1077	1131	-5	75.8	0.442	2.77	0.58	0.00
6/4/2025 22:15	1.24	1.26	18.0	56.46	4.62	31.61	796	750	800	0.00	1073	1130	-5	75.8	0.441	2.77	0.58	0.00
6/4/2025 22:30	1.24	1.25	18.0	62.40	5.14	31.72	800	813	769	0.00	1066	1181	-5	73.8	0.413	2.59	0.58	0.00
6/4/2025 22:45	1.24	1.25	18.0	55.77	4.92	31.96	804	787	786	0.00	1065	1158	-5	70.2	0.367	2.30	0.58	0.00
6/4/2025 23:00	1.24	1.25	18.0	60.51	4.67	31.99	804	769	789	0.00	1070	1150	-5	66.8	0.326	2.05	0.58	0.00
6/4/2025 23:15	1.24	1.25	18.0	52.14	4.07	31.89	807	744	800	0.00	1101	1167	-5	69.8	0.361	2.27	0.58	0.00
6/4/2025 23:30	1.23	1.24	17.8	52.42	5.07	31.02	772	738	802	0.00	1084	1082	-5	74.5	0.422	2.65	0.58	0.00
6/4/2025 23:45	1.22	1.23	16.2	55.66	4.72	32.51	744	792	825	0.00	1076	1155	-5	72.9	0.401	2.52	0.58	0.00
6/5/2025 0:00	1.21	1.23	16.9	58.20	4.04	31.74	778	805	739	0.00	1053	1156	-5	66.3	0.320	2.01	0.23	0.00
6/5/2025 0:15	1.22	1.23	17.3	57.16	4.37	31.91	800	773	781	0.00	1049	1125	-5	65.4	0.309	1.95	0.23	0.00
6/5/2025 0:30	1.22	1.23	17.3	56.13	4.18	32.28	790	791	820	0.00	1099	1194	-5	66.4	0.321	2.02	0.23	0.00
6/5/2025 0:45	1.21	1.23	17.8	43.34	4.40	32.29	784	809	824	0.00	1093	1194	-5	65.9	0.315	1.98	0.23	0.00
6/5/2025 1:00	1.21	1.23	18.0	51.85	3.91	31.84	771	790	812	0.00	1086	1180	-5	65.8	0.314	1.98	0.23	0.00
6/5/2025 1:15	1.21	1.23	18.4	43.72	4.30	32.08	726	808	803	0.00	1077	1157	-5	64.8	0.303	1.91	0.23	0.00
6/5/2025 1:30	1.21	1.23	18.5	45.86	4.28	31.89	724	811	804	0.00	1082	1153	-5	66.4	0.320	2.01	0.23	0.00
6/5/2025 1:45	1.21	1.23	18.7	67.82	4.88	31.82	736	805	808	0.00	1063	1174	-5	66.3	0.319	2.01	0.23	0.00
6/5/2025 2:00	1.21	1.23	18.7	35.16	3.16	32.92	727	810	832	0.00	1102	1189	-5	65.9	0.315	1.98	0.23	0.00
6/5/2025 2:15	1.21	1.23	18.7	53.95	5.39	33.37	744	802	829	0.00	1076	1188	-5	62.3	0.278	1.75	0.23	0.00
6/5/2025 2:30	1.21	1.23	18.6	68.78	4.81	32.47	741	808	790	0.00	1047	1125	-5	61.9	0.275	1.73	0.23	0.00
6/5/2025 2:45	1.21	1.23	18.8	52.51	4.38	33.15	766	804	744	0.00	1076	1086	-5	65.6	0.312	1.96	0.23	0.00
6/5/2025 3:00	1.21	1.23	19.0	39.17	3.49	33.03	752	804	732	0.00	1117	1080	-5	65.7	0.312	1.96	0.23	0.00
6/5/2025 3:15	1.21	1.23	19.3	41.09	3.61	32.56	746	809	748	0.00	1129	1071	-5	65.5	0.311	1.96	0.23	0.00
6/5/2025 3:30	1.22	1.23	18.8	50.00	4.30	33.22	746	807	747	0.00	1162	1070	-5	65.3	0.308	1.94	0.23	0.00
6/5/2025 3:45	1.23	1.24	8.2	53.40	4.04	32.83	740	808	729	0.00	1177	1053	-5	64.7	0.303	1.90	0.23	0.00
6/5/2025 4:00	1.21	1.22	13.3	45.44	3.63	33.00	748	801	719	0.00	1121	1065	-5	64.0	0.294	1.85	0.23	0.00
6/5/2025 4:15	1.23	1.24	14.9	58.76	4.40	32.60	752	800	727	0.00	1108	1082	-5	63.3	0.287	1.81	0.23	0.00
6/5/2025 4:30	1.24	1.25	18.0	50.23	4.60	32.68	755	798	728	0.00	1116	1073	-5	63.2	0.287	1.80	0.23	0.00
6/5/2025 4:45	1.24	1.25	18.0	47.16	4.68	33.17	755	802	746	0.00	1096	1085	-5	63.2	0.287	1.80	0.23	0.00
6/5/2025 5:00	1.24	1.25	18.0	53.91	4.80	32.16	754	806	760	0.00	1075	1102	-5	63.3	0.288	1.81	0.23	0.00
6/5/2025 5:15	1.24	1.25	18.0	46.31	4.13	32.85	750	802	769	0.00	1064	1107	-5	64.0	0.295	1.85	0.23	0.00
6/5/2025 5:30	1.24	1.25	18.0	48.99	4.28	32.43	750	804	777	0.00	1074	1113	-5	64.3	0.298	1.87	0.23	0.00
6/5/2025 5:45	1.24	1.25	18.0	56.10	4.82	33.03	755	805	753	0.00	1070	1107	-5	64.3	0.298	1.87	0.23	0.00
6/5/2025 6:00	1.24	1.25	18.0	35.10	4.78	32.89	755	803	750	0.00	1075	1094	-5	64.4	0.299	1.88	0.23	0.00
6/5/2025 6:15	1.24	1.25	18.0	44.09	4.28	33.37	736	807	812	0.00	1083	1139	-5	64.0	0.295	1.85	0.23	0.00
6/5/2025 6:30	1.24	1.25	18.0	47.25	3.80	33.43	757	810	801	0.00	1084	1120	-5	64.4	0.299	1.87	0.23	0.00
6/5/2025 6:45	1.24	1.25	18.0	47.41	4.23	31.98	752	813	806	0.00	1092	1125	-5	64.4	0.299	1.88	0.23	0.00
6/5/2025 7:00	1.25	1.26	18.0	46.54	5.19	32.68	743	807	807	0.00	1079	1116	-5	64.3	0.298	1.87	0.23	0.00
6/5/2025 7:15	1.24	1.25	18.0	49.05	4.16	32.88	745	817	780	0.00	1082	1107	-5	64.5	0.300	1.88	0.23	0.00
6/5/2025 7:30	1.24	1.25	18.0	55.13	4.14	33.34	711	816	792	0.00	1065	1131	-5	64.8	0.304	1.91	0.23	0.00
6/5/2025 7:45	1.24	1.25	18.0	39.91	3.89	33.60	708	818	792	0.00	1053	1138	-5	64.6	0.301	1.89	0.23	0.00
6/5/2025 8:00	1.24	1.25	18.0	57.01	4.94	33.36	722	811	804	0.00	1074	1135	-5	64.6	0.302	1.89	0.23	0.00
6/5/2025 8:15	1.24	1.25	18.0	57.61	4.21	33.61	732	807	805	0.00	1079	1139	-5	64.8	0.303	1.90	0.23	0.00
6/5/2025 8:30	1.26	1.27	20.5	48.97	4.62	33.44	744	808	815	0.00	1092	1156	-5	64.7	0.302	1.89	0.23	0.00
6/5/2025 8:45	1.63	1.63	26.6	36.49	4.36	31.96	780	812	766	0.00	1084	1142	-5	64.6	0.301	1.85	0.23	0.00
6/5/2025 9:00	1.77	1.75	37.8	60.84	4.47	30.90	764	813	762	0.00	1081	1155	-5	64.3	0.298	1.81	0.23	0.00
6/5/2025 9:15	1.31	1.36	95.1	73.19	5.96	31.53	765	805	813	0.00	1097	1165	-5	65.4	0.310	1.94	0.23	0.00
6/5/2025 9:30	1.30	1.33	100.0	63.04	4.90	32.32	772	812	765	0.00	1095	1167	-5	65.1	0.306	1.92	0.23	0.00
6/5/2025 9:45	1.30	1.34	100.0	48.50	4.07	33.44	771	812	719	0.00	1047	1131	-5	64.5	0.300	1.88	0.23	0.00
6/5/2025 10:00	1.30	1.34	100.0	56.39	4.32	32.79	724	810	781	0.00	1071	1149	-5	67.1	0.329	2.05	0.23	0.00
6/5/2025 10:15	1.31	1.34	100.0	52.65	4.93	33.19	704	816	757	0.00	1062	1140	-5	68.4	0.344	2.15	0.23	0.00
6/5/2025 10:30	1.31	1.34	100.0	63.87	5.10	32.64	734	806	766	0.00	1064	1182	-5	69.2	0.353	2.21	0.23	0.00
6/5/2025 10:45	1.31	1.35	100.0	50.68	4.45	33.08	764	820	745	0.00	1086	1186	-5	70.2	0.365	2.28	0.23	0.00
6/5/2025 11:00	1.31	1.35	100.0	49.61	4.61	33.21	762	812	712	0.00	1062	1177	-5	70.0	0.363	2.27	0.23	0.00
6/5/2025 11:15	1.32	1.35	100.0	55.63	4.59	32.82	758	815	720	0.00	1069	1179	-5	73.4	0.408	2.55	0.23	0.00
6/5/2025 11:30	1.31	1.35	100.0	73.57	5.25	33.95	746	798	774	0.00	1068	1192	-5	69.0	0.351	2.19	0.23	0.00
6/5/2025 11:45	1.32	1.35	100.0	46.22	4.51	32.73	741	798	799	0.00	1053	1184	-5	69.9	0.362	2.26	0.23	0.00
6/5/2025 12:00	1.32	1.35	100.0	76.22	4.41	33.23	737	788	778	0.00	1056	1180	-5	70.1	0.364	2.27	0.23	0.00
6/5/2025 12:15	1.32	1.36	100.0	55.59	5.19	34.03	746	787	731	0.00	1045	1178	-5	73.1	0.403	2.52	0.23	0.00
6/5/2025 12:30	1.32	1.35	100.0	50.95	4.68	33.88	745	787	709	0.00	1038	1162	-5	71.5	0.382	2.39	0.23	0.00
6/5/2025 12:45	1.32	1.35	100.0	37.56	3.71	34.87	739	766	767	0.00	1049	1180	-5	73.5	0.409	2.56	0.23	0.00
6/5/2025 13:00	1.32	1.36	100.0	55.08	4.82	33.33	749	777	767	0.00	1055	1184	-5	75.9	0.443	2.77	0.23	0.00
6/5/2025 13:15	1.32	1.36	100.0	41.14	4.12	33.23	748	785	742	0.00	1020	1148	-5	74.1	0.417	2.60	0.23	0.00
6/5/2025 13:30	1.31	1.35	100.0	37.57	3.82	34.84	768	747	770	0.00	1000	1146	-5	71.1	0.377	2.36	0.23	0.00
6/5/2025 13:45	1.31	1.35	100.0	41.26	5.07	34.86	766	773	759	0.00	1008	1129	-5	69.8	0.360	2.25	0.23	0.00
6/5/2025 14:00	1.31	1.35	100.0	57.20	4.78	34.91	780	773	759	0.00	1014	1122	-5	69.4	0.355	2.22	0.23	0.00
6/5/2025 14:15	1.30	1.34	100.0	51.06	4.03	33.64	779	795	722	0.00	1038	1128	-5	68.2	0.341	2.13	0.23	0.00
6/5/2025 14:30	1.30	1.34	100.0	56.53	5.52	33.65	776	821	735	0.00	1070	1165	-5	68.4	0.343	2.15	0.23	0.00
6/5/2025 14:45	1.30	1.33	98.2	62.26	5.17	34.65	788	825	760	0.00	1085	1190	-5	68.4	0.343	2.15	0.23	0.00
6/5/2025 15:00	1.50	1.52	53.6	36.35	4.55	34.09	783	820	773	0.00	1077	1190	-5	68.7	0.348	2.15	0.23	0.00
6/5/2025 15:15	1.69	1.72	35.0	28.10	4.92	34.43	785	823	784	0.00	1094	1200	-5	69.6	0.358	2.19	0.23	0.00
6/5/2025 15:30	1.73	1.76	35.0	24.45	5.19	34.00	781	815	746	0.00	1067	1178	-5	68.8	0.348	2.12	0.23	0.00
6/5/2025 15:45	1.79	1.82	35.0	42.67	5.20	32.36	769	809	727	0.00	1054	1156	-5	68.0	0.338	2.05	0.23	0.00
6/5/2025 16:00	1.79	1.82	35.0	54.59	5.31	32.00	768	794	764	0.00	1062	1183	-5	69.9	0.362	2.20	0.23	0.00
6/5/2025 16:15	1.76	1.79	33.2	82.91	5.96	32.17	765	807	736	0.00	1078	1188	-5	72.0	0.388	2.36	0.23	0.00
6/5/2025 16:30	1.61	1.65	30.4	54.65	5.13	31.72	758	804	703	0.00	1065	1183	-5	71.8	0.386	2.36	0.23	0.00
6/5/2025 16:45	1.57	1.60	30.0	39.94	3.30	32.32	718	794	784	0.00	1062	1189	-5	70.7	0.371	2.28	0.23	0.00
6/5/2025 17:00	1.54	1.57	30.0	38.13	3.23	32.71	721	797	791	0.00	1077	1188	-5	71.9	0.387	2.38	0.23	0.00
6/5/2025 17:15	1.50	1.53	30.0	44.48	4.32	33.49	740	792	745	0.00	1056	1176	-5	71.5	0.382	2.36	0.23	0.00
6/5/2025 17:30	1.46	1.49	30.0	59.13	4.39	33.77	747	785	704	0.00	1031	1144	-5	70.4	0.367	2.27	0.23	0.00

Flare Gas Composition / **Property Calculations** / **ZTOF**

	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
																LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
5/28/2025 20:15	58.84	0.00	5.47	0.00	0.59	23.15	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.18	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 20:30	58.85	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 20:45	58.86	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 21:00	58.86	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 21:15	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 21:30	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 21:45	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 22:00	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 22:15	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 22:30	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 22:45	58.87	0.00	5.47	0.00	0.59	23.16	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0	0	0	0	0	940	0.00	0.00
5/28/2025 23:00	58.88	0.00	5.47	0.00	0.59	23.17	2.89	2.78	0.00	1.48	1.25	0.00	0.75	0.42	0.63	0.04	1181	12.17	48.06	341.2	400	0.26667	437	13630	1118	23554	802	0.01	1.50

36Inch Flare / **24Inch Flare** / **Pit Flare**

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
5/28/2025 20:15																								0.00
5/28/2025 20:30																								0.00
5/28/2025 20:45																								0.00
5/28/2025 21:00																								0.00
5/28/2025 21:15																								0.00
5/28/2025 21:30																								0.00
5/28/2025 21:45																								0.00
5/28/2025 22:00																								0.00
5/28/2025 22:15																								0.00
5/28/2025 22:30																								0.00
5/28/2025 22:45																								0.00
5/28/2025 23:00																								1.50

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

= Flare Not Active This Event

	Historian Data: Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Calculated Data / Flare Gas Composition: Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Property Calculations: Flare Gas Lower Flammability Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF: ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	36Inch Flare: 36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24Inch Flare: 24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare: Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
																																		LFLvg	NHVvg			NHVcz-limit		1					NHVcz			2.8					NHVcz			3								5.5							
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
6/5/2025 17:45	1.44	1.46	30.0	64.05	4.81	33.54	763	819	733	0.00	1006	1133	-5	68.5	0.345	2.14	0.23	0.00	50.57	0.00	16.16	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	5060.17	134653	4193	88326	628	0.06	5.84	0	0	0	0	0	940	0.070	0																5.84
6/5/2025 18:00	1.42	1.45	30.0	58.62	4.00	34.12	776	825	779	0.00	994	1127	-5	68.5	0.345	2.14	0.23	0.00	50.56	0.00	16.16	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	4753.72	126498	4193	88326	614	0.06	5.48	0	0	0	0	0	940	0.070	0																5.48
6/5/2025 18:15	1.43	1.46	30.0	47.27	4.16	33.54	775	829	775	0.00	988	1125	-5	68.0	0.339	2.11	0.23	0.00	50.58	0.00	16.17	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	4921.38	130973	4193	88326	622	0.06	5.68	0	0	0	0	0	940	0.070	0																5.68
6/5/2025 18:30	1.44	1.46	30.0	47.89	4.22	33.40	796	803	811	0.00	980	1123	-5	66.9	0.326	2.02	0.23	0.00	50.62	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4831.37	128612	4193	88326	619	0.06	5.58	0	0	0	0	0	940	0.070	0																5.58
6/5/2025 18:45	1.44	1.47	30.0	36.80	3.67	33.42	799	792	812	0.00	994	1123	-5	66.7	0.324	2.01	0.23	0.00	50.63	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4731.5	125959	4193	88326	614	0.06	5.47	0	0	0	0	0	940	0.070	0																5.47
6/5/2025 19:00	1.44	1.47	30.0	44.19	3.93	34.12	796	768	818	0.00	996	1122	-5	63.7	0.292	1.81	0.23	0.00	50.73	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	5017.65	133657	4193	88326	630	0.06	5.81	0	0	0	0	0	940	0.070	0																5.81
6/5/2025 19:15	1.46	1.49	30.0	23.50	3.37	33.89	792	766	810	0.00	1015	1115	-5	64.1	0.296	1.83	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	4590.96	122284	4193	88326	607	0.06	5.32	0	0	0	0	0	940	0.070	0																5.32
6/5/2025 19:30	1.45	1.47	30.0	66.97	5.16	32.85	794	756	796	0.00	1036	1101	-5	65.4	0.309	1.92	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	4916.51	130921	4193	88326	623	0.06	5.69	0	0	0	0	0	940	0.070	0																5.69
6/5/2025 19:45	1.45	1.47	30.0	34.00	4.40	33.03	792	776	784	0.00	1053	1115	-5	66.8	0.325	2.01	0.23	0.00	50.63	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4529.21	120571	4193	88326	603	0.06	5.23	0	0	0	0	0	940	0.070	0																5.23
6/5/2025 20:00	1.44	1.47	30.0	52.00	3.49	33.06	790	788	788	0.00	1078	1143	-5	66.9	0.326	2.02	0.23	0.00	50.62	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4681.62	124625	4193	88326	610	0.06	5.41	0	0	0	0	0	940	0.070	0																5.41
6/5/2025 20:15	1.44	1.47	30.0	30.13	3.12	33.79	789	782	800	0.00	1091	1156	-5	67.6	0.334	2.07	0.23	0.00	50.60	0.00	16.17	0.00	0.51	20.84	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4650.32	123773	4193	88326	609	0.06	5.37	0	0	0	0	0	940	0.070	0																5.37
6/5/2025 20:30	1.45	1.48	30.0	55.64	3.95	34.59	746	816	844	0.00	1099	1199	-5	67.5	0.333	2.06	0.23	0.00	50.60	0.00	16.17	0.00	0.51	20.84	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	4689.1	124808	4193	88326	611	0.06	5.41	0	0	0	0	0	940	0.070	0																5.41

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

(grey) = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %
6/7/2025 14:30	1.21	1.23	26.8	47.80	3.90	34.43	776	839	771	0.00	981	1127	-5	75.5	0.437	2.75
6/7/2025 14:45	1.21	1.23	26.8	48.13	3.88	33.58	774	843	777	0.00	965	1125	-5	75.3	0.433	2.73
6/7/2025 15:00	1.21	1.23	27.1	44.26	4.22	35.44	783	828	791	0.00	978	1129	-5	74.9	0.428	2.69
6/7/2025 15:15	1.21	1.23	27.1	41.95	4.63	33.29	789	812	803	0.00	991	1137	-5	74.8	0.427	2.69
6/7/2025 15:30	1.21	1.23	27.3	37.47	3.26	34.39	794	801	813	0.00	990	1142	-5	75.0	0.430	2.71
6/7/2025 15:45	1.21	1.23	27.5	43.93	4.61	35.08	799	781	810	0.00	989	1140	-5	74.8	0.427	2.69
6/7/2025 16:00	1.21	1.23	27.6	52.53	4.52	34.29	798	782	811	0.00	987	1136	-5	73.9	0.414	2.60
6/7/2025 16:15	1.21	1.23	26.5	41.75	3.98	34.38	792	768	809	0.00	996	1138	-5	73.3	0.406	2.55
6/7/2025 16:30	1.21	1.23	27.2	42.41	3.73	34.00	797	785	799	0.00	992	1139	-5	73.1	0.403	2.53
6/7/2025 16:45	1.21	1.23	27.7	34.75	4.26	33.70	795	771	806	0.00	994	1135	-5	73.4	0.407	2.56
6/7/2025 17:00	1.21	1.23	27.6	45.89	3.65	33.35	787	756	807	0.00	995	1126	-5	73.4	0.407	2.56
6/7/2025 17:15	1.21	1.23	27.7	47.09	4.31	34.43	789	762	804	0.00	986	1138	-5	73.7	0.412	2.59
6/7/2025 17:30	1.21	1.23	27.8	40.49	3.75	34.48	798	775	807	0.00	994	1136	-5	74.2	0.418	2.63
6/7/2025 17:45	1.21	1.23	27.9	62.00	3.92	34.82	794	776	799	0.00	1031	1134	-5	75.1	0.431	2.71
6/7/2025 18:00	1.21	1.23	28.1	39.31	3.59	33.98	791	771	791	0.00	1035	1118	-5	74.5	0.422	2.66
6/7/2025 18:15	1.21	1.23	27.9	54.80	4.27	34.50	793	782	792	0.00	1053	1137	-5	75.7	0.440	2.76
6/7/2025 18:30	1.21	1.23	28.3	44.99	3.96	34.62	795	777	795	0.00	1034	1136	-5	75.7	0.439	2.76
6/7/2025 18:45	1.21	1.23	27.0	58.31	5.07	33.45	793	773	786	0.00	1062	1130	-5	76.0	0.445	2.80
6/7/2025 19:00	1.21	1.23	26.8	67.78	5.03	34.38	786	789	788	0.00	1085	1156	-5	77.6	0.469	2.95
6/7/2025 19:15	1.21	1.23	27.4	53.13	4.30	33.96	785	810	785	0.00	1094	1170	-5	80.5	0.516	3.25
6/7/2025 19:30	1.21	1.23	28.0	45.21	3.76	34.51	783	833	752	0.00	1084	1201	-5	79.5	0.500	3.14
6/7/2025 19:45	1.21	1.23	28.2	72.76	4.27	33.90	768	818	753	0.00	1077	1155	-5	76.5	0.451	2.84
6/7/2025 20:00	1.21	1.23	28.3	47.55	4.48	34.46	752	819	755	0.00	1068	1144	-5	75.2	0.433	2.72
6/7/2025 20:15	1.21	1.23	28.2	48.21	4.69	34.27	764	812	745	0.00	1102	1136	-5	75.1	0.431	2.71
6/7/2025 20:30	1.21	1.23	28.2	47.12	4.64	33.77	757	806	732	0.00	1128	1119	-5	74.7	0.425	2.67
6/7/2025 20:45	1.21	1.23	28.2	51.11	3.98	34.21	761	811	733	0.00	1130	1117	-5	73.9	0.414	2.60
6/7/2025 21:00	1.21	1.23	28.4	51.43	4.07	33.93	754	811	735	0.00	1194	1106	-5	73.8	0.413	2.60
6/7/2025 21:15	1.21	1.23	28.2	48.82	4.22	34.01	755	809	728	0.00	1170	1101	-5	72.6	0.396	2.49
6/7/2025 21:30	1.21	1.23	28.2	53.75	4.06	35.28	759	813	731	0.00	1143	1116	-5	72.1	0.389	2.45
6/7/2025 21:45	1.20	1.23	28.3	49.52	4.84	34.79	762	817	742	0.00	1142	1115	-5	71.2	0.378	2.38
6/7/2025 22:00	1.20	1.23	28.4	50.58	4.10	35.69	761	816	742	0.00	1143	1110	-5	71.2	0.378	2.38
6/7/2025 22:15	1.20	1.23	28.5	50.09	5.18	35.40	761	814	736	0.00	1148	1109	-5	70.7	0.371	2.33
6/7/2025 22:30	1.20	1.23	28.6	40.03	4.00	35.75	761	812	740	0.00	1144	1117	-5	70.0	0.363	2.29
6/7/2025 22:45	1.20	1.23	28.7	57.53	4.79	35.18	759	813	739	0.00	1164	1102	-5	69.5	0.357	2.25
6/7/2025 23:00	1.21	1.23	28.4	49.96	4.34	35.57	762	810	735	0.00	1146	1105	-5	69.1	0.352	2.21
6/7/2025 23:15	1.20	1.23	28.4	40.40	3.74	35.56	765	810	737	0.00	1115	1115	-5	68.5	0.345	2.17
6/7/2025 23:30	1.20	1.23	28.3	57.03	4.91	35.58	764	809	733	0.00	1110	1118	-5	68.2	0.341	2.15
6/7/2025 23:45	1.20	1.23	28.3	75.71	5.23	35.68	767	810	736	0.00	1082	1130	-5	67.3	0.330	2.08
[illegible]																

Calculated Data — Flare Gas Composition

	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
6/7/2025 14:30	0.23	0.00	50.26	0.00	16.07	0.00	0.51	20.70	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 14:45	0.23	0.00	50.28	0.00	16.07	0.00	0.51	20.71	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 15:00	0.23	0.00	50.29	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 15:15	0.23	0.00	50.30	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 15:30	0.23	0.00	50.29	0.00	16.07	0.00	0.51	20.71	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 15:45	0.23	0.00	50.29	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 16:00	0.23	0.00	50.34	0.00	16.09	0.00	0.51	20.73	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 16:15	0.23	0.00	50.36	0.00	16.10	0.00	0.51	20.74	2.99	2.52	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 16:30	0.23	0.00	50.37	0.00	16.10	0.00	0.51	20.75	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 16:45	0.23	0.00	50.36	0.00	16.10	0.00	0.51	20.74	2.99	2.52	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 17:00	0.23	0.00	50.36	0.00	16.10	0.00	0.51	20.74	2.99	2.52	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 17:15	0.23	0.00	50.34	0.00	16.09	0.00	0.51	20.74	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 17:30	0.23	0.00	50.32	0.00	16.09	0.00	0.51	20.73	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 17:45	0.23	0.00	50.28	0.00	16.07	0.00	0.51	20.71	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 18:00	0.23	0.00	50.31	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 18:15	0.23	0.00	50.26	0.00	16.06	0.00	0.51	20.70	2.99	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.58
6/7/2025 18:30	0.23	0.00	50.26	0.00	16.06	0.00	0.51	20.70	2.99	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.58
6/7/2025 18:45	0.23	0.00	50.24	0.00	16.06	0.00	0.51	20.69	2.98	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.57
6/7/2025 19:00	0.23	0.00	50.17	0.00	16.04	0.00	0.51	20.66	2.98	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.57
6/7/2025 19:15	0.23	0.00	50.02	0.00	15.99	0.00	0.51	20.60	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57
6/7/2025 19:30	0.23	0.00	50.07	0.00	16.01	0.00	0.51	20.63	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57
6/7/2025 19:45	0.23	0.00	50.22	0.00	16.05	0.00	0.51	20.69	2.98	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.57
6/7/2025 20:00	0.23	0.00	50.28	0.00	16.07	0.00	0.51	20.71	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 20:15	0.23	0.00	50.28	0.00	16.07	0.00	0.51	20.71	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 20:30	0.23	0.00	50.30	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.36	1.16	0.00	0.60	0.36	0.58
6/7/2025 20:45	0.23	0.00	50.34	0.00	16.09	0.00	0.51	20.73	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 21:00	0.23	0.00	50.34	0.00	16.09	0.00	0.51	20.73	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58
6/7/2025 21:15	0.23	0.00	50.39	0.00	16.11	0.00	0.51	20.76	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 21:30	0.23	0.00	50.41	0.00	16.11	0.00	0.51	20.76	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 21:45	0.23	0.00	50.45	0.00	16.12	0.00	0.51	20.78	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 22:00	0.23	0.00	50.45	0.00	16.13	0.00	0.51	20.78	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 22:15	0.23	0.00	50.47	0.00	16.13	0.00	0.51	20.79	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 22:30	0.23	0.00	50.49	0.00	16.14	0.00	0.51	20.80	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 22:45	0.23	0.00	50.51	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 23:00	0.23	0.00	50.53	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 23:15	0.23	0.00	50.55	0.00	16.16	0.00	0.51	20.82	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 23:30	0.23	0.00	50.56	0.00	16.16	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/7/2025 23:45	0.23	0.00	50.60	0.00	16.17	0.00	0.51	20.84	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58
[illegible]																	

Property Calculations / ZTOF

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
6/7/2025 14:30	0.05	1032	14.29	48.11	341.6	400	1	2924.85	77683	4193	88326	486	0.05	3.35
6/7/2025 14:45	0.05	1032	14.29	48.11	341.6	400	1	2725.77	72400	4193	88326	468	0.05	3.12
6/7/2025 15:00	0.05	1032	14.29	48.11	341.6	400	1	2717.42	72188	4193	88326	467	0.05	3.11
6/7/2025 15:15	0.05	1033	14.29	48.11	341.6	400	1	2810.13	74651	4193	88326	472	0.05	3.22
6/7/2025 15:30	0.05	1032	14.29	48.11	341.6	400	1	2771.9	73631	4193	88326	474	0.05	3.17
6/7/2025 15:45	0.05	1032	14.29	48.11	341.6	400	1	2780.93	73875	4193	88326	474	0.05	3.18
6/7/2025 16:00	0.05	1033	14.28	48.11	341.6	400	1	3107.41	82568	4193	88326	504	0.05	3.56
6/7/2025 16:15	0.05	1034	14.28	48.11	341.6	400	0.8	2417.61	64252	3355	70661	567	0.04	2.77
6/7/2025 16:30	0.05	1034	14.28	48.11	341.6	400	0.93333	3324.09	88347	3914	82438	556	0.05	3.81
6/7/2025 16:45	0.05	1034	14.28	48.11	341.6	400	1	3018.73	80223	4193	88326	495	0.05	3.46
6/7/2025 17:00	0.05	1034	14.28	48.11	341.6	400	1	3013.49	80084	4193	88326	495	0.05	3.46
6/7/2025 17:15	0.05	1033	14.28	48.11	341.6	400	1	3482.91	92550	4193	88326	533	0.05	3.99
6/7/2025 17:30	0.05	1033	14.29	48.11	341.6	400	1	3787.28	100626	4193	88326	554	0.06	4.34
6/7/2025 17:45	0.05	1032	14.29	48.11	341.6	400	1	3458.85	91877	4193	88326	530	0.05	3.96
6/7/2025 18:00	0.05	1033	14.29	48.11	341.6	400	1	3036.03	80658	4193	88326	496	0.05	3.48
6/7/2025 18:15	0.05	1032	14.29	48.11	341.6	400	0.86667	3451.1	91654	3634	76549	600	0.05	3.95
6/7/2025 18:30	0.05	1032	14.29	48.11	341.6	400	1	3233.13	85869	4193	88326	508	0.05	3.70
6/7/2025 18:45	0.05	1031	14.29	48.11	341.6	400	0.8	3299.76	87628	3355	70661	631	0.05	3.77
6/7/2025 19:00	0.05	1030	14.30	48.11	341.6	400	0.93333	2443.27	64850	3914	82438	481	0.04	2.79
6/7/2025 19:15	0.05	1027	14.31	48.11	341.6	400	1	2930.16	77699	4193	88326	484	0.05	3.33
6/7/2025 19:30	0.05	1028	14.31	48.11	341.6	400	1	2307.27	61204	4193	88326	427	0.04	2.63
6/7/2025 19:45	0.05	1031	14.30	48.11	341.6	400	1	2916.01	77425	4193	88326	487	0.05	3.33
6/7/2025 20:00	0.05	1032	14.29	48.11	341.6	400	1	2648.1	70337	4193	88326	463	0.05	3.03
6/7/2025 20:15	0.05	1032	14.29	48.11	341.6	400	1	2526.4	67109	4193	88326	447	0.05	2.89
6/7/2025 20:30	0.05	1033	14.29	48.11	341.6	400	1	2951.07	78397	4193	88326	490	0.05	3.38
6/7/2025 20:45	0.05	1033	14.28	48.11	341.6	400	1	2591.4	68859	4193	88326	455	0.05	2.97
6/7/2025 21:00	0.05	1033	14.28	48.11	341.6	400	1	2974.37	79035	4193	88326	489	0.05	3.41
6/7/2025 21:15	0.05	1034	14.28	48.11	341.6	400	1	2630.33	69918	4193	88326	457	0.05	3.02
6/7/2025 21:30	0.05	1035	14.28	48.11	341.6	400	1	2638.38	70140	4193	88326	463	0.05	3.03
6/7/2025 21:45	0.05	1036	14.27	48.11	341.6	400	0.86667	2817.77	74926	3634	76549	555	0.04	3.24
6/7/2025 22:00	0.05	1036	14.27	48.11	341.6	400	0.93333	2062.74	54850	3914	82438	446	0.04	2.37
6/7/2025 22:15	0.05	1036	14.27	48.11	341.6	400	0.86667	3080.07	81912	3634	76549	571	0.05	3.54
6/7/2025 22:30	0.05	1037	14.27	48.11	341.6	400	0.93333	2651.08	70514	3914	82438	502	0.04	3.05
6/7/2025 22:45	0.05	1037	14.27	48.11	341.6	400	1	2143.78	57028	4193	88326	412	0.04	2.47
6/7/2025 23:00	0.05	1037	14.27	48.11	341.6	400	1	2364.83	62915	4193	88326	437	0.04	2.72
6/7/2025 23:15	0.05	1038	14.27	48.11	341.6	400	0.93333	2888.28	76852	3914	82438	528	0.05	3.33
6/7/2025 23:30	0.05	1038	14.26	48.11	341.6	400	0.93333	2605.6	69334	3914	82438	499	0.04	3.00
6/7/2025 23:45	0.05	1039	14.26	48.11	341.6	400	1	2217.63	59024	4193	88326	415	0.04	2.56
[illegible]														

36Inch Flare / 24Inch Flare / Pit Flare / Total

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
6/7/2025 14:30	0	0	0	0	0	940	0.070	0																3.35
6/7/2025 14:45	0	0	0	0	0	940	0.070	0																3.12
6/7/2025 15:00	0	0	0	0	0	940	0.070	0																3.11
6/7/2025 15:15	0	0	0	0	0	940	0.070	0																3.22
6/7/2025 15:30	0	0	0	0	0	940	0.070	0																3.17
6/7/2025 15:45	0	0	0	0	0	940	0.070	0																3.18
6/7/2025 16:00	0	0	0	0	0	940	0.070	0																3.56
6/7/2025 16:15	0	0	0	0	0	940	0.070	0																2.77
6/7/2025 16:30	0	0	0	0	0	940	0.070	0																3.81
6/7/2025 16:45	0	0	0	0	0	940	0.070	0																3.46
6/7/2025 17:00	0	0	0	0	0	940	0.070	0																3.46
6/7/2025 17:15	0	0	0	0	0	940	0.070	0																3.99
6/7/2025 17:30	0	0	0	0	0	940	0.070	0																4.34
6/7/2025 17:45	0	0	0	0	0	940	0.070	0																3.96
6/7/2025 18:00	0	0	0	0	0	940	0.070	0																3.48
6/7/2025 18:15	0	0	0	0	0	940	0.070	0																3.95
6/7/2025 18:30	0	0	0	0	0	940	0.070	0																3.70
6/7/2025 18:45	0	0	0	0	0	940	0.070	0																3.77
6/7/2025 19:00	0	0	0	0	0	940	0.070	0																2.79
6/7/2025 19:15	0	0	0	0	0	940	0.070	0																3.33
6/7/2025 19:30	0	0	0	0	0	940	0.070	0																2.63
6/7/2025 19:45	0	0	0	0	0	940	0.070	0																3.33
6/7/2025 20:00	0	0	0	0	0	940	0.070	0																3.03
6/7/2025 20:15	0	0	0	0	0	940	0.070	0																2.89
6/7/2025 20:30	0	0	0	0	0	940	0.070	0																3.38
6/7/2025 20:45	0	0	0	0	0	940	0.070	0																2.97
6/7/2025 21:00	0	0	0	0	0	940	0.070	0																3.41
6/7/2025 21:15	0	0	0	0	0	940	0.070	0																3.02
6/7/2025 21:30	0	0	0	0	0	940	0.070	0																3.03
6/7/2025 21:45	0	0	0	0	0	940	0.070	0																3.24
6/7/2025 22:00	0	0	0	0	0	940	0.070	0																2.37
6/7/2025 22:15	0	0	0	0	0	940	0.070	0																3.54
6/7/2025 22:30	0	0	0	0	0	940	0.070	0																3.05
6/7/2025 22:45	0	0	0	0	0	940	0.070	0																2.47
6/7/2025 23:00	0	0	0	0	0	940	0.070	0																2.72
6/7/2025 23:15	0	0	0	0	0	940	0.070	0																3.33
6/7/2025 23:30	0	0	0	0	0	940	0.070	0																3.00
6/7/2025 23:45	0	0	0	0	0	940	0.070	0																2.56
[illegible]																								

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

▒ = Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %
6/12/2025 14:00	1.37	1.38	23.5	34.19	3.31	36.04	777	769	783	0.00	959	1144	-5	69.9	0.361	2.25
6/12/2025 14:15	1.37	1.38	23.5	39.72	3.60	35.19	782	795	785	0.00	960	1136	-5	71.9	0.388	2.41
6/12/2025 14:30	1.37	1.38	23.5	47.11	4.15	35.40	776	789	756	0.00	973	1136	-5	72.2	0.392	2.44
6/12/2025 14:45	1.36	1.38	23.2	60.11	4.67	34.68	780	759	705	0.00	964	1143	-5	73.7	0.411	2.56
6/12/2025 15:00	1.36	1.37	23.0	48.48	3.99	35.13	776	773	741	0.00	1050	1105	-5	80.9	0.522	3.25
6/12/2025 15:15	1.36	1.37	23.0	39.36	3.90	34.84	756	774	740	0.00	1055	1022	-5	83.1	0.561	3.50
6/12/2025 15:30	1.37	1.37	22.9	51.50	4.07	35.28	761	779	749	0.00	1092	1074	-5	82.4	0.548	3.41
6/12/2025 15:45	1.35	1.36	22.2	48.74	4.40	35.80	752	769	756	0.00	1092	1062	-5	81.8	0.537	3.35
6/12/2025 16:00	1.35	1.35	22.2	41.36	3.93	35.27	754	767	756	0.00	1060	1029	-5	82.3	0.546	3.40
6/12/2025 16:15	1.35	1.36	22.2	34.21	4.35	34.80	757	764	761	0.00	1065	1034	-5	82.1	0.544	3.39
6/12/2025 16:30	1.35	1.36	22.2	45.89	4.16	34.65	758	779	744	0.00	1068	1032	-5	82.6	0.552	3.44
6/12/2025 16:45	1.35	1.36	22.2	40.87	4.00	35.59	762	772	760	0.00	1069	1046	-5	81.8	0.538	3.36
6/12/2025 17:00	1.35	1.36	22.2	32.48	3.32	34.72	771	766	768	0.00	1078	1042	-5	81.6	0.535	3.33
6/12/2025 17:15	1.35	1.36	22.2	58.48	4.08	34.23	761	805	748	0.00	1131	1071	-5	81.9	0.540	3.37
6/12/2025 17:30	1.35	1.36	22.2	50.33	4.44	34.50	771	768	762	0.00	1065	1042	-5	82.1	0.544	3.39
6/12/2025 17:45	1.35	1.36	22.2	53.42	4.54	35.21	772	794	754	0.00	1111	1067	-5	83.0	0.560	3.49
6/12/2025 18:00	1.35	1.35	22.2	38.55	4.67	35.09	769	799	751	0.00	1113	1056	-5	83.7	0.572	3.57
6/12/2025 18:15	1.34	1.35	22.2	37.80	4.44	35.21	766	813	745	0.00	1132	1066	-5	83.9	0.576	3.59
6/12/2025 18:30	1.34	1.35	22.2	58.87	4.31	35.12	762	793	755	0.00	1159	1056	-5	82.1	0.542	3.38
6/12/2025 18:45	1.34	1.35	22.2	55.10	4.48	35.03	763	803	740	0.00	1169	1064	-5	80.7	0.519	3.24
6/12/2025 19:00	1.35	1.36	22.2	49.87	3.92	34.85	775	809	753	0.00	1142	1064	-5	82.9	0.557	3.47
6/12/2025 19:15	1.34	1.35	22.2	47.98	3.97	34.02	773	808	754	0.00	1130	1071	-5	80.4	0.513	3.20
6/12/2025 19:30	1.34	1.35	22.2	49.64	4.67	34.57	779	804	763	0.00	1115	1089	-5	82.5	0.550	3.43
6/12/2025 19:45	1.34	1.35	22.2	51.24	4.02	34.76	776	806	762	0.00	1125	1098	-5	80.7	0.519	3.24
6/12/2025 20:00	1.34	1.35	22.2	58.56	4.75	34.39	778	810	763	0.00	1122	1101	-5	77.3	0.464	2.89
6/12/2025 20:15	1.34	1.35	22.2	51.53	4.15	34.20	777	808	766	0.00	1112	1107	-5	75.8	0.442	2.75
6/12/2025 20:30	1.34	1.35	22.2	58.79	5.15	33.70	777	814	768	0.00	1112	1107	-5	74.8	0.427	2.66
6/12/2025 20:45	1.34	1.35	22.2	52.76	4.32	34.38	780	802	767	0.00	1092	1100	-5	74.1	0.416	2.60
6/12/2025 21:00	1.34	1.35	22.2	51.09	3.92	33.60	778	806	764	0.00	1109	1093	-5	73.3	0.406	2.53
6/12/2025 21:15	1.34	1.35	22.2	51.72	4.42	34.45	775	814	763	0.00	1129	1098	-5	72.7	0.398	2.48
6/12/2025 21:30	1.34	1.35	22.2	36.16	3.87	33.12	776	812	766	0.00	1111	1111	-5	71.9	0.388	2.42
6/12/2025 21:45	1.34	1.35	22.2	43.88	3.88	34.59	776	809	737	0.00	1105	1131	-5	69.9	0.362	2.26
6/12/2025 22:00	1.34	1.35	22.2	50.69	4.73	33.38	771	804	736	0.00	1083	1137	-5	68.3	0.343	2.14
6/12/2025 22:15	1.34	1.34	22.2	53.91	4.65	32.64	773	801	727	0.00	1130	1120	-5	68.6	0.345	2.16
6/12/2025 22:30	1.33	1.34	22.2	58.72	4.77	33.67	763	798	718	0.00	1205	1084	-5	68.1	0.340	2.13
6/12/2025 22:45	1.33	1.34	22.2	43.05	3.52	33.57	766	802	722	0.00	1160	1102	-5	67.7	0.335	2.09
6/12/2025 23:00	1.33	1.34	22.2	38.36	3.48	33.99	764	802	718	0.00	1216	1088	-5	67.0	0.328	2.04
6/12/2025 23:15	1.33	1.35	22.2	59.12	4.17	33.92	766	805	718	0.00	1182	1093	-5	66.6	0.323	2.02
6/12/2025 23:30	1.33	1.35	22.2	49.85	4.56	33.75	769	808	715	0.00	1137	1104	-5	66.2	0.319	1.99
6/12/2025 23:45	1.33	1.35	22.2	61.32	3.83	34.20	775	807	722	0.00	1114	1118	-5	65.3	0.308	1.92
6/13/2025 0:00	1.33	1.34	22.2	49.13	4.11	34.28	770	807	725	0.00	1140	1116	-5	65.4	0.309	1.93
6/13/2025 0:15	1.33	1.34	22.2	48.91	4.51	34.33	764	806	719	0.00	1187	1095	-5	65.8	0.314	1.96
6/13/2025 0:30	1.33	1.34	22.2	38.65	3.77	34.12	765	804	719	0.00	1171	1099	-5	65.2	0.308	1.92
6/13/2025 0:45	1.33	1.34	22.2	39.46	4.37	33.74	770	804	718	0.00	1139	1102	-5	65.1	0.306	1.91
6/13/2025 1:00	1.33	1.34	22.2	55.38	4.14	33.35	768	807	733	0.00	1126	1115	-5	64.7	0.302	1.89
6/13/2025 1:15	1.33	1.34	22.2	37.86	4.43	33.88	770	804	750	0.00	1091	1136	-5	64.0	0.295	1.84
6/13/2025 1:30	1.33	1.34	22.2	44.12	4.31	33.60	776	803	740	0.00	1094	1139	-5	63.3	0.288	1.80
6/13/2025 1:45	1.33	1.34	22.2	43.20	3.85	33.51	765	802	751	0.00	1081	1141	-5	62.8	0.282	1.76
6/13/2025 2:00	1.33	1.34	22.2	43.88	4.05	34.15	754	808	760	0.00	1068	1149	-5	62.3	0.278	1.73
6/13/2025 2:15	1.33	1.34	22.2	43.38	4.03	33.42	749	806	777	0.00	1064	1154	-5	61.9	0.274	1.71
6/13/2025 2:30	1.33	1.34	22.2	45.51	3.83	33.50	764	805	764	0.00	1063	1151	-5	61.9	0.274	1.71
6/13/2025 2:45	1.33	1.34	22.2	53.32	4.37	33.54	752	804	782	0.00	1078	1169	-5	61.9	0.274	1.71
6/13/2025 3:00	1.33	1.34	22.2	45.28	4.42	33.95	757	801	811	0.00	1084	1176	-5	62.2	0.277	1.73
6/13/2025 3:15	1.33	1.34	22.2	51.36	4.28	34.20	759	800	806	0.00	1071	1172	-5	61.8	0.273	1.71
6/13/2025 3:30	1.33	1.34	22.2	41.57	4.50	34.40	742	805	791	0.00	1075	1176	-5	61.5	0.270	1.68
6/13/2025 3:45	1.33	1.34	22.2	36.72	3.80	33.75	747	807	809	0.00	1060	1157	-5	59.3	0.250	1.56
6/13/2025 4:00	1.33	1.34	22.2	32.32	4.39	34.22	749	791	810	0.00	1038	1139	-5	57.4	0.233	1.46
6/13/2025 4:15	1.33	1.34	22.2	57.24	4.66	33.19	735	804	773	0.00	1040	1123	-5	57.6	0.235	1.47
6/13/2025 4:30	1.33	1.34	22.2	55.25	4.45	33.37	738	812	772	0.00	1037	1116	-5	57.9	0.238	1.48
6/13/2025 4:45	1.33	1.34	22.2	60.97	4.27	33.59	752	804	732	0.00	1054	1107	-5	58.3	0.241	1.50
6/13/2025 5:00	1.33	1.34	22.2	48.35	4.38	34.16	760	797	709	0.00	1061	1098	-5	56.9	0.229	1.43
6/13/2025 5:15	1.33	1.34	22.2	44.71	4.04	34.27	763	796	705	0.00	1062	1097	-5	56.1	0.222	1.39
6/13/2025 5:30	1.33	1.34	22.2	38.13	4.13	33.96	753	791	713	0.00	1065	1094	-5	55.3	0.216	1.35
6/13/2025 5:45	1.33	1.34	22.2	47.07	4.44	33.42	745	796	726	0.00	1060	1093	-5	55.0	0.214	1.34
6/13/2025 6:00	1.33	1.34	22.2	42.89	4.39	34.33	744	806	773	0.00	1049	1103	-5	54.6	0.210	1.31
6/13/2025 6:15	1.33	1.34	22.2	53.25	4.88	35.03	736	809	771	0.00	1038	1116	-5	54.7	0.212	1.32
6/13/2025 6:30	1.33	1.34	22.2	41.42	4.27	33.32	751	805	791	0.00	1045	1118	-5	54.8	0.212	1.32
6/13/2025 6:45	1.34	1.36	22.2	63.42	5.27	34.26	742	804	744	0.00	1052	1115	-5	55.4	0.217	1.35
6/13/2025 7:00	1.37	1.37	22.2	48.81	4.94	33.47	741	804	744	0.00	1055	1117	-5	55.4	0.217	1.35
6/13/2025 7:15	1.38	1.39	22.2	44.25	4.43	31.85	759	796	708	0.00	1076	1107	-5	56.2	0.224	1.39
6/13/2025 7:30	1.32	1.33	22.2	29.88	3.40	33.86	748	791	695	0.00	1062	1092	-5	56.9	0.229	1.43
6/13/2025 7:45	1.32	1.34	22.2	35.73	3.77	34.32	744	797	689	0.00	1055	1095	-5	58.9	0.246	1.53
6/13/2025 8:00	1.33	1.34	22.2	49.04	3.80	34.89	725	797	694	0.00	1052	1091	-5	56.9	0.230	1.43
6/13/2025 8:15	1.33	1.34	22.2	49.84	4.07	35.16	723	796	706	0.00	1053	1087	-5	56.1	0.223	1.39
6/13/2025 8:30	1.33	1.34	22.2	43.68	4.34	36.34	741	786	692	0.00	1066	1075	-5	56.7	0.227	1.42
6/13/2025 8:45	1.33	1.35	22.2	64.28	5.34	34.51	761	785	669	0.00	1070	1076	-5	56.5	0.226	1.41
6/13/2025 9:00	1.33	1.35	22.2	47.20	4.21	35.38	753	782	676	0.00	1072	1071	-5	57.7	0.236	1.47
6/13/2025 9:15	1.33	1.35	22.2	48.09	4.53	35.06	747	796	678	0.00	1058	1089	-5	57.8	0.237	1.48
6/13/2025 9:30	1.33	1.34	21.9	56.56	4.96	35.19	735	798	703	0.00	1061	1114	-5	59.1	0.248	1.55
6/13/2025 9:45	1.33	1.35	21.8	35.83	4.11	34.67	753	782	682	0.00	1081	1105	-5	58.7	0.244	1.53
6/13/2025 10:00	1.33	1.35	21.8	27.36	3.35	35.07	751	780	685	0.00	1089	1099	-5	59.3	0.249	1.56
6/13/2025 10:15	1.34	1.35	21.8	68.66	4.39	34.81	743	786	716	0.00	1103	1087	-5	58.6	0.244	1.52
6/13/2025 10:30	1.34	1.35	21.8	44.49	3.67	36.10	747	786	728	0.00	1107	1087	-5	58.2	0.240	1.50
6/13/2025 10:45	1.34	1.35	21.8	58.50	4.43	35.20	741	783	714	0.00	1096	1095	-5	58.2	0.240	1.50
6/13/2025 11:00	1.33	1.35	21.2	63.49	5.72	34.64	738	789	718	0.00	1088	1097	-5	58.8	0.246	1.53
6/13/2025 11:15	1.33	1.34	20.1	52.92	4.75	35.82	763	798	752	0.00	1072	1101	-5	59.8	0.254	1.59
6/13/2025 11:30	1.34	1.35	19.5	47.09	4.84	34.52	798	784	764	0.00	1075	1088	-5	60.5	0.260	1.62
6/13/2025 11:45	1.34	1.35	19.5	54.56	4.33	35.24	799	776	761	0.00	1078	1083	-5	60.8	0.263	1.64
6/13/2025 12:00	1.33	1.34	19.3	31.27	4.52	34.99	785	778	756	0.00	1081	1085	-5	60.3	0.258	1.61
6/13/2025 12:15	1.34	1.35	19.0	50.23	4.78	35.61	791	787	772	0.00	1060	1107	-5	61.3	0.268	1.67
6/13/2025 12:30	1.34	1.35	19.0	37.59	4.36	35.98	784	793	778	0.00	1056	1118	-5	60.4	0.260	1.62
6/13/2025 12:45	1.34	1.35	19.0	40.19	4.63	35.70	791	800	780	0.00	1057	1117	-5	61.4	0.269	1.68
6/13/2025 13:00	1.34	1.35	19.0	60.81	4.75	35.43	763	798	754	0.00	1055	1114	-5	60.0	0.256	1.60
6/13/2025 13:15	1.34	1.35	19.0	66.46	5.23	35.35	753	801	742	0.00	1065	1108	-5	60.1	0.257	1.60
6/13/2025 13:30	1.34	1.35	18.7	47.07	4.48	35.41	739	799	729	0.00	1062	1108	-5	58.5	0.243	1.51
6/13/2025 13:45	1.32	1.33	18.5	42.04	3.54	35.27	736	794	726	0.00	1073	1104	-5	58.3	0.241	1.50
6/13/2025 14:00	1.33	1.34	18.5	50.52	5.14	35.50	757	795	756	0.00	1075	1099	-5	58.5	0.242	1.51
6/13/2025 14:15	1.33	1.34	18.5	43.65	4.70	35.03	769	789	767	0.00	1089	1087	-5	58.1	0.239	1.50
6/13/2025 14:30	1.33	1.35	18.4	34.44	3.37	34.68	768	778	763	0.00	1101	1080	-5	57.9	0.238	1.48
6/13/2025 14:45	1.26	1.27	18.0	43.67	4.12	35.23	758	772	744	0.00	1112	1075	-5	58.1	0.239	1.50
6/13/2025 15:00	1.24	1.25	18.0	51.45	4.09	34.70	763	767	741	0.00	1112	1072	-5	58.0	0.238	1.49
6/13/2025 15:15	1.22	1.23	18.0	46.99	3.91	35.45	782	759	751	0.00	1106	1065	-5	58.3	0.241	1.51
6/13/2025 15:30	1.22	1.23	18.0	45.73	4.57	35.51	787	765	756	0.00	1093	1042	-5	58.3	0.241	1.52
6/13/2025 15:45	1.22	1.23	18.0	56.19	3.89	35.30	792	762	762	0.00	1081	1043	-5	58.6	0.243	1.53
6/13/2025 16:00	1.17	1.18	18.0	33.07	3.70	35.68	766	777	754	0.00	1092	1052	-5	58.6	0.243	1.53
6/13/2025 16:15	1.14	1.15	18.0	43.78	4.66	35.73	797	773	772	0.00	1077	1047	-5	58.9	0.246	1.55
6/13/2025 16:30	1.13	1.14	18.0	42.75	4.14	35.96	801	776	781	0.00	1067	1054	-5	59.5	0.251	1.59
6/13/2025 16:45	1.15	1.15	18.0	54.17	4.50	34.63	795	789	790	0.00	1057	1073	-5	59.3	0.250	1.58
6/13/2025 17:00	1.37	1.36	18.0	52.67	4.90	33.80	787	804	788	0.00	1057	1078	-5	58.9	0.246	1.53
6/13/2025 17:15	1.34	1.35	18.0	53.09	3.92	32.38	786	803	784	0.00	1054	1076	-5	59.0	0.247	1.54
6/13/2025 17:30	1.26	1.28	18.0	53.89	4.75	35.29	753	805	762	0.00	1048	1082	-5	57.8	0.236	1.48
6/13/2025 17:45	1.13	1.15	18.0	29.25	3.57	35.37	747	805	719	0.00	1047	1088	-5	57.5	0.234	1.48
6/13/2025 18:00	1.05	1.06	18.0	38.00	4.39	35.64	764	800	703	0.00	1048	1088	-5	58.9	0.246	1.57
6/13/2025 18:15	1.05	1.06	18.6	56.57	4.49	35.03	763	798	702	0.00	1050	1090	-5	57.8	0.237	1.50
6/13/2025 18:30	1.15	1.16	18.6	57.16	4.19	35.13	758	800	711	0.00	1052	1091	-5	57.5	0.234	1.48
6/13/2025 18:45	1.15	1.16	18.8	42.53	3.98	34.81	748	803	728	0.00	1048	1098	-5	57.4	0.233	1.47
6/13/2025 19:00	1.16	1.17	18.5	37.26	5.07	36.35	729	803	751	0.00	1044	1101	-5	57.3	0.233	1.47
6/14/2025 6:30	1.16	1.16	18.0	55.11	5.33	37.45	743	796	738	0.00	1084	1071	-5	59.3	0.249	1.57
6/14/2025 6:45	1.18	1.18	15.1	57.38	5.27	34.29	767	800	758	0.00	1082	1063	-5	59.4	0.251	1.58
6/14/2025 7:00	1.27	1.25	12.2	57.71	4.57	34.87	769	799	753	0.00	1082	1065	-5	59.6	0.253	1.58
6/14/2025 7:15	1.49	1.46	14.7	90.19	5.60	31.63	739	806	729	0.00	1076	1072	-5	60.1	0.257	1.59
6/14/2025 7:30	1.49	1.51	22.4	63.74	4.44	30.59	749	814	739	0.00	1066	1075	-5	60.6	0.262	1.62
6/14/2025 7:45	1.37	1.38	21.0	38.83	3.49	34.41	741	815	734	0.00	1058	1080	-5	61.0	0.265	1.65
6/14/2025 8:00	1.37	1.38	20.2	38.60	3.38	34.93	722	815	717	0.00	1049	1086	-5	62.1	0.276	1.72
6/14/2025 8:15	1.37	1.38	20.0	44.35	4.04	34.24	720	816	703	0.00	1046	1117	-5	63.0	0.284	1.77
6/14/2025 8:30	1.37	1.38	20.0	45.43	3.94	34.71	741	823	736	0.00	1046	1125	-5	62.6	0.281	1.75
6/14/2025 8:45	1.37	1.38	20.0	24.70	3.87	35.04	764	818	744	0.00	1062	1112	-5	62.6	0.281	1.75
6/14/2025 9:00	1.37	1.38	20.0	46.31	4.13	34.30	742	807	695	0.00	1062	1113	-5	62.3	0.278	1.73
6/14/2025 9:15	1.36	1.38	18.9	49.33	4.63	34.71	749	791	683	0.00	1080	1104	-5	62.5	0.280	1.75
6/14/2025 9:30	1.36	1.37	18.6	57.56	4.56	35.82	750	794	698	0.00	1080	1103	-5	62.7	0.281	1.75
6/14/2025 9:45	1.36	1.37	18.6	41.11	4.16	34.91	747	804	734	0.00	1086	1095	-5	63.1	0.286	1.78
6/14/2025 10:00	1.36	1.37	18.7	41.39	3.76	35.13	733	807	719	0.00	1077	1104	-5	62.7	0.282	1.76
6/14/2025 10:15	1.36	1.37	18.5	54.15	4.59	35.34	744	808	731	0.00	1079	1103	-5	63.3	0.288	1.80
6/14/2025 10:30	1.36	1.37	18.5	35.74	3.82	35.39	790	800	765	0.00	1085	1090	-5	63.6	0.291	1.81
6/14/2025 10:45	1.36	1.37	18.2	40.12	4.50	34.76	815	776	766	0.00	1069	1084	-5	64.0	0.294	1.83
6/14/2025 11:00	1.36	1.37	18.3	49.28	4.05	36.12	815	765	762	0.00	1056	1097	-5	64.2	0.297	1.85
6/14/2025 11:15	1.36	1.37	18.2	42.86	4.57	34.65	813	771	765	0.00	1049	1123	-5	64.6	0.301	1.87
6/14/2025 11:30	1.36	1.37	18.3	42.07	4.29	35.63	809	766	770	0.00	1042	1147	-5	64.9	0.304	1.89
6/14/2025 11:45	1.36	1.37	18.5	60.64	5.28	35.09	776	797	798	0.00	1043	1149	-5	65.2	0.308	1.92
6/14/2025 12:00	1.36	1.37	18.5	37.35	4.33	35.36	716	816	736	0.00	1041	1153	-5	65.4	0.310	1.93
6/14/2025 12:15	1.34	1.35	18.3	41.57	4.73	35.50	713	818	706	0.00	1048	1149	-5	65.5	0.311	1.94
6/14/2025 12:30	1.33	1.34	18.5	49.70	4.85	35.30	695	819	715	0.00	1042	1152	-5	64.6	0.301	1.88
6/14/2025 12:45	1.31	1.32	18.4	47.20	4.03	36.39	741	800	773	0.00	1044	1177	-5	66.3	0.319	2.00
6/14/2025 13:00	1.29	1.30	18.6	36.30	3.82	34.76	793	752	752	0.00	1004	1211	-5	65.7	0.313	1.96
6/14/2025 13:15	1.29	1.30	18.5	68.12	4.45	36.01	795	743	740	0.00	973	1244	-5	65.3	0.308	1.93
6/14/2025 13:30	1.29	1.30	18.4	43.06	4.44	35.21	801	750	747	0.00	999	1209	-5	65.3	0.308	1.93
6/14/2025 13:45	1.29	1.30	18.5	43.20	4.51	36.57	802	758	725	0.00	974	1263	-5	64.2	0.297	1.86
6/14/2025 14:00	1.29	1.30	18.6	61.50	4.19	34.40	799	747	729	0.00	967	1247	-5	63.7	0.292	1.83
6/14/2025 14:15	1.29	1.30	18.4	36.01	3.45	35.40	791	739	740	0.00	964	1267	-5	63.6	0.291	1.82
6/14/2025 14:30	1.29	1.30	18.3	45.53	4.12	34.62	788	741	734	0.00	961	1292	-5	63.4	0.288	1.80
6/14/2025 14:45	1.29	1.30	18.5	47.64	4.46	35.96	785	751	724	0.00	957	1314	-5	63.8	0.293	1.83
6/14/2025 15:00	1.29	1.30	18.6	49.86	4.61	36.32	784	745	730	0.00	956	1291	-5	64.5	0.300	1.88
6/14/2025 15:15	1.26	1.27	18.3	59.19	4.30	35.62	792	746	735	0.00	957	1287	-5	63.9	0.293	1.84
6/14/2025 15:30	1.25	1.26	18.7	44.42	3.84	35.76	797	746	741	0.00	967	1249	-5	64.3	0.298	1.87
6/14/2025 15:45	1.26	1.26	18.7	43.97	4.34	34.58	787	735	748	0.00	967	1233	-5	64.1	0.296	1.85
6/14/2025 16:00	1.25	1.26	18.8	48.00	4.35	35.77	786	741	755	0.00	972	1231	-5	63.8	0.293	1.84
6/14/2025 16:15	1.25	1.26	18.7	44.04	4.25	34.98	784	770	780	0.00	1020	1179	-5	64.9	0.304	1.91
6/14/2025 16:30	1.25	1.26	18.6	45.57	4.52	35.12	726	799	790	0.00	1049	1173	-5	63.8	0.293	1.84
6/14/2025 16:45	1.25	1.26	18.6	50.25	3.99	35.08	722	805	788	0.00	1053	1176	-5	64.6	0.301	1.89
6/14/2025 17:00	1.25	1.26	18.5	44.62	4.24	35.63	760	796	815	0.00	1048	1173	-5	64.6	0.301	1.89
6/14/2025 17:15	1.22	1.23	18.5	54.72	4.92	35.28	762	799	810	0.00	1055	1161	-5	65.3	0.308	1.94
6/14/2025 17:30	1.22	1.23	18.6	51.79	4.54	34.91	753	801	796	0.00	1055	1160	-5	64.8	0.303	1.91
6/14/2025 17:45	1.22	1.23	18.6	32.30	4.87	35.53	728	819	753	0.00	1046	1154	-5	66.0	0.316	1.99
6/14/2025 18:00	1.22	1.23	18.7	48.90	4.33	34.19	723	822	750	0.00	1043	1159	-5	67.6	0.334	2.10
6/14/2025 18:15	1.22	1.23	18.9	38.44	4.27	35.56	719	820	762	0.00	1043	1169	-5	67.7	0.335	2.11
6/14/2025 18:30	1.22	1.23	18.8	45.93	4.31	35.50	734	812	801	0.00	1044	1177	-5	69.6	0.358	2.25
6/14/2025 18:45	1.22	1.23	18.6	48.36	5.00	34.77	722	819	769	0.00	1041	1172	-5	68.5	0.345	2.17
6/14/2025 19:00	1.21	1.23	20.5	38.68	4.02	35.59	730	819	763	0.00	1038	1162	-5	67.3	0.331	2.08
6/14/2025 19:15	1.21	1.23	21.1	43.46	4.69	35.81	752	815	757	0.00	1050	1147	-5	67.7	0.335	2.11
6/14/2025 19:30	1.22	1.23	21.0	37.00	4.66	36.10	750	813	766	0.00	1059	1148	-5	66.6	0.323	2.03
6/14/2025 19:45	1.21	1.23	21.5	43.56	4.93	36.03	745	814	772	0.00	1057	1151	-5	65.9	0.315	1.98
6/14/2025 20:00	1.21	1.23	21.6	44.44	4.07	36.04	753	812	762	0.00	1059	1147	-5	63.5	0.290	1.82
6/14/2025 20:15	1.21	1.23	21.7	48.38	3.80	36.76	741	812	773	0.00	1053	1149	-5	63.1	0.286	1.80
6/14/2025 20:30	1.21	1.23	21.8	28.22	4.04	36.81	728	816	767	0.00	1047	1161	-5	63.0	0.285	1.79
6/14/2025 20:45	1.21	1.23	21.9	25.53	3.42	36.09	721	823	760	0.00	1036	1167	-5	62.4	0.278	1.75
6/14/2025 21:00	1.21	1.23	21.9	42.98	3.92	36.11	725	819	770	0.00	1039	1162	-5	62.2	0.277	1.74
6/14/2025 21:15	1.21	1.23	21.9	49.59	4.68	36.71	732	821	761	0.00	1039	1161	-5	62.1	0.276	1.73
6/14/2025 21:30	1.21	1.23	22.0	42.28	3.61	35.58	730	821	761	0.00	1038	1161	-5	62.0	0.275	1.73

Calculated Data

	Flare Gas Composition																	Property Calculations						ZTOF								
	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Flare Gas Lower Flamibility Limit (LFLvg)	Net Heating Value (NHVvg)	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit (NHVcz-limit)	Maximum Velocity	ZTOF Stage Estimate (1)	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value (NHVcz)	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
6/12/2025 14:00	0.23	0.00	50.51	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1037	14.27	48.11	341.6	400	1	680.777	18110	4193	88326	191	0.03	0.78	0.78
6/12/2025 14:15	0.23	0.00	50.43	0.00	16.12	0.00	0.51	20.77	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1035	14.28	48.11	341.6	400	1	677.07	18002	4193	88326	190	0.03	0.78	0.78
6/12/2025 14:30	0.23	0.00	50.42	0.00	16.12	0.00	0.51	20.77	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1035	14.28	48.11	341.6	400	1	664.438	17664	4193	88326	187	0.03	0.76	0.76
6/12/2025 14:45	0.23	0.00	50.36	0.00	16.10	0.00	0.51	20.74	2.99	2.52	0.00	1.37	1.16	0.00	0.60	0.36	0.58	0.05	1034	14.28	48.11	341.6	400	1	642.369	17071	4193	88326	183	0.03	0.74	0.74
6/12/2025 15:00	0.23	0.00	50.02	0.00	15.99	0.00	0.51	20.60	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1027	14.31	48.11	341.6	400	1	624.822	16568	4193	88326	177	0.03	0.71	0.71
6/12/2025 15:15	0.23	0.00	49.90	0.00	15.95	0.00	0.50	20.55	2.96	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1024	14.33	48.11	341.6	400	1	620.911	16450	4193	88326	176	0.03	0.70	0.70
6/12/2025 15:30	0.23	0.00	49.94	0.00	15.96	0.00	0.50	20.57	2.97	2.49	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	660.258	17498	4193	88326	184	0.03	0.75	0.75
6/12/2025 15:45	0.23	0.00	49.97	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1026	14.32	48.11	341.6	400	1	598.949	15876	4193	88326	172	0.03	0.68	0.68
6/12/2025 16:00	0.23	0.00	49.95	0.00	15.97	0.00	0.50	20.57	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	589.194	15615	4193	88326	170	0.03	0.67	0.67
6/12/2025 16:15	0.23	0.00	49.95	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	586.747	15551	4193	88326	169	0.03	0.67	0.67
6/12/2025 16:30	0.23	0.00	49.93	0.00	15.96	0.00	0.50	20.57	2.97	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	585.726	15521	4193	88326	169	0.03	0.66	0.66
6/12/2025 16:45	0.23	0.00	49.97	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1026	14.32	48.11	341.6	400	1	586.298	15541	4193	88326	169	0.03	0.67	0.67
6/12/2025 17:00	0.23	0.00	49.98	0.00	15.98	0.00	0.51	20.59	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1026	14.32	48.11	341.6	400	1	587.275	15568	4193	88326	169	0.03	0.67	0.67
6/12/2025 17:15	0.23	0.00	49.97	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1026	14.32	48.11	341.6	400	1	585.566	15521	4193	88326	169	0.03	0.66	0.66
6/12/2025 17:30	0.23	0.00	49.95	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	583.526	15466	4193	88326	168	0.03	0.66	0.66
6/12/2025 17:45	0.23	0.00	49.91	0.00	15.95	0.00	0.50	20.56	2.96	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.33	48.11	341.6	400	1	579.593	15356	4193	88326	167	0.03	0.66	0.66
6/12/2025 18:00	0.23	0.00	49.87	0.00	15.94	0.00	0.50	20.54	2.96	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1024	14.33	48.11	341.6	400	1	574.305	15212	4193	88326	166	0.03	0.65	0.65
6/12/2025 18:15	0.23	0.00	49.86	0.00	15.94	0.00	0.50	20.54	2.96	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1023	14.33	48.11	341.6	400	1	570.143	15101	4193	88326	165	0.03	0.65	0.65
6/12/2025 18:30	0.23	0.00	49.96	0.00	15.97	0.00	0.50	20.58	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1026	14.32	48.11	341.6	400	1	571.454	15146	4193	88326	166	0.03	0.65	0.65
6/12/2025 18:45	0.23	0.00	50.03	0.00	15.99	0.00	0.51	20.61	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1027	14.31	48.11	341.6	400	1	567.206	15041	4193	88326	165	0.03	0.64	0.64
6/12/2025 19:00	0.23	0.00	49.91	0.00	15.95	0.00	0.50	20.56	2.96	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.33	48.11	341.6	400	1	577.785	15309	4193	88326	167	0.03	0.65	0.65
6/12/2025 19:15	0.23	0.00	50.04	0.00	16.00	0.00	0.51	20.61	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1027	14.31	48.11	341.6	400	1	559.615	14841	4193	88326	164	0.03	0.64	0.64
6/12/2025 19:30	0.23	0.00	49.93	0.00	15.96	0.00	0.50	20.57	2.97	2.49	0.00	1.35	1.15	0.00	0.60	0.35	0.57	0.05	1025	14.32	48.11	341.6	400	1	557.73	14780	4193	88326	163	0.03	0.63	0.63
6/12/2025 19:45	0.23	0.00	50.03	0.00	15.99	0.00	0.51	20.61	2.97	2.50	0.00	1.36	1.15	0.00	0.60	0.35	0.57	0.05	1027	14.31	48.11	341.6	400	1	551.461	14623	4193	88326	162	0.03	0.63	0.63
6/12/2025 20:00	0.23	0.00	50.19	0.00	16.04	0.00	0.51	20.68	2.98	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.57	0.05	1030	14.30	48.11	341.6	400	1	550.77	14621	4193	88326	162	0.03	0.63	0.63
6/12/2025 20:15	0.23	0.00	50.26	0.00	16.07	0.00	0.51	20.70	2.99	2.51	0.00	1.36	1.15	0.00	0.60	0.36	0.58	0.05	1032	14.29	48.11	341.6	400	1	550.484	14620	4193	88326	162	0.03	0.63	0.63
6/12/2025 20:30	0.23	0.00	50.31	0.00	16.08	0.00	0.51	20.72	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58	0.05	1033	14.29	48.11	341.6	400	1	547.991	14558	4193	88326	162	0.03	0.63	0.63
6/12/2025 20:45	0.23	0.00	50.34	0.00	16.09	0.00	0.51	20.73	2.99	2.51	0.00	1.37	1.16	0.00	0.60	0.36	0.58	0.05	1033	14.28	48.11	341.6	400	1	554.744	14741	4193	88326	164	0.03	0.64	0.64
6/12/2025 21:00	0.23	0.00	50.37	0.00	16.10	0.00	0.51	20.75	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1034	14.28	48.11	341.6	400	1	551.225	14650	4193	88326	163	0.03	0.63	0.63
6/12/2025 21:15	0.23	0.00	50.39	0.00	16.11	0.00	0.51	20.76	2.99	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1035	14.28	48.11	341.6	400	1	556.905	14803	4193	88326	164	0.03	0.64	0.64
6/12/2025 21:30	0.23	0.00	50.43	0.00	16.12	0.00	0.51	20.77	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1035	14.28	48.11	341.6	400	1	548.25	14576	4193	88326	163	0.03	0.63	0.63
6/12/2025 21:45	0.23	0.00	50.51	0.00	16.14	0.00	0.51	20.80	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1037	14.27	48.11	341.6	400	1	537.927	14309	4193	88326	161	0.03	0.62	0.62
6/12/2025 22:00	0.23	0.00	50.57	0.00	16.16	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	539.639	14360	4193	88326	161	0.03	0.62	0.62
6/12/2025 22:15	0.23	0.00	50.56	0.00	16.16	0.00	0.51	20.82	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	538.015	14316	4193	88326	161	0.03	0.62	0.62
6/12/2025 22:30	0.23	0.00	50.57	0.00	16.16	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	515.606	13721	4193	88326	156	0.03	0.59	0.59
6/12/2025 22:45	0.23	0.00	50.59	0.00	16.17	0.00	0.51	20.84	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	517.476	13772	4193	88326	156	0.03	0.60	0.60
6/12/2025 23:00	0.23	0.00	50.61	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	515.797	13730	4193	88326	156	0.03	0.60	0.60
6/12/2025 23:15	0.23	0.00	50.63	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	536.126	14272	4193	88326	161	0.03	0.62	0.62
6/12/2025 23:30	0.23	0.00	50.64	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	531.16	14141	4193	88326	159	0.03	0.61	0.61
6/12/2025 23:45	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	527.813	14055	4193	88326	159	0.03	0.61	0.61
6/13/2025 0:00	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	520.619	13863	4193	88326	157	0.03	0.60	0.60
6/13/2025 0:15	0.23	0.00	50.66	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	525.808	14000	4193	88326	158	0.03	0.61	0.61
6/13/2025 0:30	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	509.002	13554	4193	88326	155	0.03	0.59	0.59
6/13/2025 0:45	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	505.24	13454	4193	88326	154	0.03	0.58	0.58
6/13/2025 1:00	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	504.064	13424	4193	88326	154	0.03	0.58	0.58
6/13/2025 1:15	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	507.68	13522	4193	88326	154	0.03	0.59	0.59
6/13/2025 1:30	0.23	0.00	50.74	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	506.441	13491	4193	88326	154	0.03	0.59	0.59
6/13/2025 1:45	0.23	0.00	50.75	0.00	16.22	0.00	0.51	20.90	3.01	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	512.111	13643	4193	88326	156	0.03	0.59	0.59
6/13/2025 2:00	0.23	0.00	50.77	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	503.366	13412	4193	88326	154	0.03	0.58	0.58
6/13/2025 2:15	0.23	0.00	50.78	0.00	16.23	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	508.672	13554	4193	88326	155	0.03	0.59	0.59
6/13/2025 2:30	0.23	0.00	50.78	0.00	16.23	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.24	48.11	341.6	400	1	508.806	13558	4193	88326	155	0.03	0.59	0.59
6/13/2025 2:45	0.23	0.00	50.78	0.00	16.23	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	505.146	13460	4193	88326	154	0.03	0.59	0.59
6/13/2025 3:00	0.23	0.00	50.77	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	505.394	13466	4193	88326	154	0.03	0.59	0.59
6/13/2025 3:15	0.23	0.00	50.78	0.00	16.23	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.24	48.11	341.6	400	1	510.515	13603	4193	88326	155	0.03	0.59	0.59
6/13/2025 3:30	0.23	0.00	50.79	0.00	16.24	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	507.667	13528	4193	88326	155	0.03	0.59	0.59
6/13/2025 3:45	0.23	0.00	50.85	0.00	16.25	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	507.72	13534	4193	88326	155	0.03	0.59	0.59
6/13/2025 4:00	0.23	0.00	50.91	0.00	16.27	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	505.254	13473	4193	88326	155	0.03	0.59	0.59
6/13/2025 4:15	0.23	0.00	50.90	0.00	16.27	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	504.662	13457	4193	88326	154	0.03	0.59	0.59
6/13/2025 4:30	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	517.205	13791	4193	88326	157	0.03	0.60	0.60
6/13/2025 4:45	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	522.83	13940	4193	88326	158	0.03	0.61	0.61
6/13/2025 5:00	0.23	0.00	50.92	0.00	16.28	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	518.38	13824	4193	88326	158	0.03	0.60	0.60
6/13/2025 5:15	0.23	0.00	50.94	0.00	16.28	0.00	0.51	20.98	3.03	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	516.542	13777	4193	88326	157	0.03	0.60	0.60
6/13/2025 5:30	0.23	0.00	50.96	0.00	16.29	0.00	0.51	20.99	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	514.694	13729	4193	88326	157	0.03	0.60	0.60
6/13/2025 5:45	0.23	0.00	50.97	0.00	16.29	0.00	0.51	20.99	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	518.187	13823	4193	88326	158	0.03	0.60	0.60
6/13/2025 6:00	0.23	0.00	50.98	0.00	16.29	0.00	0.52	21.00	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1047	14.23	48.11	341.6	400	1	518.923	13843	4193	88326	158	0.03	0.60	0.60
6/13/2025 6:15	0.23	0.00	50.97	0.00	16.29	0.00	0.52	21.00	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	523.901	13976	4193	88326	159	0.03	0.61	0.61
6/13/2025 6:30	0.23	0.00	50.97	0.00	16.29	0.00	0.52	21.00	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	531.762	14185	4193	88326	161	0.03	0.62	0.62
6/13/2025 6:45	0.23	0.00	50.96	0.00	16.29	0.00	0.51	20.99	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	569.752	15198	4193	88326	169	0.03	0.66	0.66
6/13/2025 7:00	0.23	0.00	50.96	0.00	16.29	0.00	0.51	20.99	3.03	2.55	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	669.764	17866	4193	88326	187	0.03	0.78	0.78
6/13/2025 7:15	0.23	0.00	50.94	0.00	16.28	0.00	0.51	20.98	3.03	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	742.716	19809	4193	88326	199	0.03	0.86	0.86
6/13/2025 7:30	0.23	0.00	50.92	0.00	16.28	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	473.597	12630	4193	88326	147	0.03	0.55	0.55
6/13/2025 7:45	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	496.765	13244	4193	88326	152	0.03	0.58	0.58
6/13/2025 8:00	0.23	0.00	50.92	0.00	16.28	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	516.374	13771	4193	88326	157	0.03	0.60	0.60
6/13/2025 8:15	0.23	0.00	50.94	0.00	16.28	0.00	0.51	20.98	3.03	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	519.588	13858	4193	88326	158	0.03	0.60	0.60
6/13/2025 8:30	0.23	0.00	50.93	0.00	16.28	0.00	0.51	20.98	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	529.749	14128	4193	88326	160	0.03	0.62	0.62
6/13/2025 8:45	0.23	0.00	50.93	0.00	16.28	0.00	0.51	20.98	3.03	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1046	14.23	48.11	341.6	400	1	538.717	14367	4193	88326	162	0.03	0.63	0.63
6/13/2025 9:00	0.23	0.00	50.90	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	536.267	14299	4193	88326	161	0.03	0.62	0.62
6/13/2025 9:15	0.23	0.00	50.90	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	1	534.529	14253	4193	88326	161	0.03	0.62	0.62
6/13/2025 9:30	0.23	0.00	50.86	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	538.296	14350	4193	88326	162	0.03	0.63	0.63
6/13/2025 9:45	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	534.539	14251	4193	88326	161	0.03	0.62	0.62
6/13/2025 10:00	0.23	0.00	50.86	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	535.195	14267	4193	88326	161	0.03	0.62	0.62
6/13/2025 10:15	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	546.569	14572	4193	88326	164	0.03	0.64	0.64
6/13/2025 10:30	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	543.852	14500	4193	88326	163	0.03	0.63	0.63
6/13/2025 10:45	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	553.057	14746	4193	88326	165	0.03	0.64	0.64
6/13/2025 11:00	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	536.15	14294	4193	88326	161	0.03	0.62	0.62
6/13/2025 11:15	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	540.011	14394	4193	88326	162	0.03	0.63	0.63
6/13/2025 11:30	0.23	0.00	50.82	0.00	16.24	0.00	0.51	20.93	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	551.645	14703	4193	88326	164	0.03	0.64	0.64
6/13/2025 11:45	0.23	0.00	50.81	0.00	16.24	0.00	0.51	20.93	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	548.672	14623	4193	88326	164	0.03	0.64	0.64
6/13/2025 12:00	0.23	0.00	50.83	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	534.872	14256	4193	88326	161	0.03	0.62	0.62
6/13/2025 12:15	0.23	0.00	50.80	0.00	16.24	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	551.252	14690	4193	88326	164	0.03	0.64	0.64
6/13/2025 12:30	0.23	0.00	50.82	0.00	16.25	0.00	0.51	20.93	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	567.683	15130	4193	88326	168	0.03	0.66	0.66
6/13/2025 12:45	0.23	0.00	50.79	0.00	16.24	0.00	0.51	20.92	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	547.528	14591	4193	88326	163	0.03	0.64	0.64
6/13/2025 13:00	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	568.118	15143	4193	88326	168	0.03	0.66	0.66
6/13/2025 13:15	0.23	0.00	50.83	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	548.853	14629	4193	88326	164	0.03	0.64	0.64
6/13/2025 13:30	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	552.402	14728	4193	88326	165	0.03	0.64	0.64
6/13/2025 13:45	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	473.953	12637	4193	88326	147	0.03	0.55	0.55
6/13/2025 14:00	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	530.58	14146	4193	88326	160	0.03	0.62	0.62
6/13/2025 14:15	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	502.88	13408	4193	88326	154	0.03	0.58	0.58
6/13/2025 14:30	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	541.687	14443	4193	88326	162	0.03	0.63	0.63
6/13/2025 14:45	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	243.012	6479	4193	88326	90	0.03	0.28	0.28
6/13/2025 15:00	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	1	166.224	4432	4193	88326	70	0.03	0.19	0.19
6/13/2025 15:15	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	99.6325	2656	4193	88326	51	0.03	0.12	0.12
6/13/2025 15:30	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	77.3039	2061	4193	88326	45	0.03	0.09	0.09
6/13/2025 15:45	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	62.223	1659	4193	88326	40	0.03	0.07	0.07
6/13/2025 16:00	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 16:15	0.23	0.00	50.86	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 16:30	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 16:45	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 17:00	0.23	0.00	50.87	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0.53333	797.614	21266	2236	47107	615	0.02	0.93	0.93
6/13/2025 17:15	0.23	0.00	50.86	0.00	16.26	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	1	576.445	15368	4193	88326	170	0.03	0.67	0.67
6/13/2025 17:30	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	0.93333	260.534	6947	3914	82438	154	0.03	0.30	0.30
6/13/2025 17:45	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 18:00	0.23	0.00	50.85	0.00	16.25	0.00	0.51	20.95	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 18:15	0.23	0.00	50.88	0.00	16.26	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 18:30	0.23	0.00	50.89	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 18:45	0.23	0.00	50.90	0.00	16.27	0.00	0.51	20.96	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/13/2025 19:00	0.23	0.00	50.90	0.00	16.27	0.00	0.51	20.97	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1045	14.23	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/14/2025 6:30	0.23	0.00	50.85	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0	0	0	0	0	940	0.00	0.00	0.00
6/14/2025 6:45	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0.33333	42.0243	1120	1398	29442	646	0.01	0.05	0.05
6/14/2025 7:00	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0.4	414.99	11063	1677	35331	664	0.01	0.48	0.48
6/14/2025 7:15	0.23	0.00	50.84	0.00	16.25	0.00	0.51	20.94	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1044	14.24	48.11	341.6	400	0.86667	1158.19	30873	3634	76549	384	0.03	1.35	1.35
6/14/2025 7:30	0.23	0.00	50.82	0.00	16.25	0.00	0.51	20.93	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	1170.27	31193	4193	88326	264	0.04	1.36	1.36
6/14/2025 7:45	0.23	0.00	50.81	0.00	16.24	0.00	0.51	20.93	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1043	14.24	48.11	341.6	400	1	668.996	17829	4193	88326	190	0.03	0.78	0.78
6/14/2025 8:00	0.23	0.00	50.78	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	673.964	17958	4193	88326	191	0.03	0.78	0.78
6/14/2025 8:15	0.23	0.00	50.75	0.00	16.22	0.00	0.51	20.90	3.01	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	677.207	18041	4193	88326	191	0.03	0.78	0.78
6/14/2025 8:30	0.23	0.00	50.76	0.00	16.22	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	675.058	17985	4193	88326	191	0.03	0.78	0.78
6/14/2025 8:45	0.23	0.00	50.76	0.00	16.22	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	673.555	17945	4193	88326	191	0.03	0.78	0.78
6/14/2025 9:00	0.23	0.00	50.77	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	687.993	18331	4193	88326	194	0.03	0.80	0.80
6/14/2025 9:15	0.23	0.00	50.76	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	654.162	17429	4193	88326	187	0.03	0.76	0.76
6/14/2025 9:30	0.23	0.00	50.76	0.00	16.22	0.00	0.51	20.91	3.01	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	645.546	17199	4193	88326	185	0.03	0.75	0.75
6/14/2025 9:45	0.23	0.00	50.74	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	644.296	17164	4193	88326	185	0.03	0.75	0.75
6/14/2025 10:00	0.23	0.00	50.76	0.00	16.22	0.00	0.51	20.91	3.01	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	650.873	17340	4193	88326	186	0.03	0.75	0.75
6/14/2025 10:15	0.23	0.00	50.74	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	648.076	17264	4193	88326	185	0.03	0.75	0.75
6/14/2025 10:30	0.23	0.00	50.73	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	649.152	17292	4193	88326	185	0.03	0.75	0.75
6/14/2025 10:45	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	646.016	17207	4193	88326	185	0.03	0.75	0.75
6/14/2025 11:00	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	647.81	17254	4193	88326	185	0.03	0.75	0.75
6/14/2025 11:15	0.23	0.00	50.70	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	649.005	17284	4193	88326	185	0.03	0.75	0.75
6/14/2025 11:30	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	650.468	17322	4193	88326	186	0.03	0.75	0.75
6/14/2025 11:45	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	643.493	17135	4193	88326	184	0.03	0.74	0.74
6/14/2025 12:00	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	650.241	17315	4193	88326	185	0.03	0.75	0.75
6/14/2025 12:15	0.23	0.00	50.66	0.00	16.19	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	567.028	15098	4193	88326	167	0.03	0.66	0.66
6/14/2025 12:30	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	509.199	13561	4193	88326	155	0.03	0.59	0.59
6/14/2025 12:45	0.23	0.00	50.64	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	430.178	11453	4193	88326	136	0.03	0.50	0.50
6/14/2025 13:00	0.23	0.00	50.66	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	361.173	9616	4193	88326	120	0.03	0.42	0.42
6/14/2025 13:15	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	359.181	9564	4193	88326	119	0.03	0.42	0.42
6/14/2025 13:30	0.23	0.00	50.67	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	363.864	9689	4193	88326	120	0.03	0.42	0.42
6/14/2025 13:45	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	357.365	9518	4193	88326	119	0.03	0.41	0.41
6/14/2025 14:00	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	360.371	9599	4193	88326	120	0.03	0.42	0.42
6/14/2025 14:15	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	358.561	9551	4193	88326	119	0.03	0.42	0.42
6/14/2025 14:30	0.23	0.00	50.73	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	364.894	9720	4193	88326	121	0.03	0.42	0.42
6/14/2025 14:45	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	358.76	9556	4193	88326	119	0.03	0.42	0.42
6/14/2025 15:00	0.23	0.00	50.70	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	358.673	9552	4193	88326	119	0.03	0.42	0.42
6/14/2025 15:15	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	224.084	5968	4193	88326	85	0.03	0.26	0.26
6/14/2025 15:30	0.23	0.00	50.70	0.00	16.21	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	216.851	5775	4193	88326	83	0.03	0.25	0.25
6/14/2025 15:45	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	220.43	5871	4193	88326	84	0.03	0.26	0.26
6/14/2025 16:00	0.23	0.00	50.71	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	215.732	5746	4193	88326	83	0.03	0.25	0.25
6/14/2025 16:15	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.87	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	216.961	5778	4193	88326	83	0.03	0.25	0.25
6/14/2025 16:30	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	218.249	5813	4193	88326	83	0.03	0.25	0.25
6/14/2025 16:45	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	218.266	5813	4193	88326	83	0.03	0.25	0.25
6/14/2025 17:00	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	188.626	5023	4193	88326	75	0.03	0.22	0.22
6/14/2025 17:15	0.23	0.00	50.66	0.00	16.19	0.00	0.51	20.87	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	70.4033	1875	4193	88326	43	0.03	0.08	0.08
6/14/2025 17:30	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.25	48.11	341.6	400	1	74.0308	1971	4193	88326	44	0.03	0.09	0.09
6/14/2025 17:45	0.23	0.00	50.64	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	72.4348	1928	4193	88326	43	0.03	0.08	0.08
6/14/2025 18:00	0.23	0.00	50.59	0.00	16.17	0.00	0.51	20.84	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	73.0969	1945	4193	88326	43	0.03	0.08	0.08
6/14/2025 18:15	0.23	0.00	50.58	0.00	16.17	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	75.626	2013	4193	88326	44	0.03	0.09	0.09
6/14/2025 18:30	0.23	0.00	50.51	0.00	16.15	0.00	0.51	20.80	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1037	14.27	48.11	341.6	400	1	69.9798	1862	4193	88326	42	0.03	0.08	0.08
6/14/2025 18:45	0.23	0.00	50.55	0.00	16.16	0.00	0.51	20.82	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.27	48.11	341.6	400	0.86667	84.4366	2247	3634	76549	168	0.02	0.10	0.10
6/14/2025 19:00	0.23	0.00	50.60	0.00	16.17	0.00	0.51	20.84	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	1	54.1356	1441	4193	88326	38	0.03	0.06	0.06
6/14/2025 19:15	0.23	0.00	50.58	0.00	16.17	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1038	14.26	48.11	341.6	400	1	58.3687	1553	4193	88326	39	0.03	0.07	0.07
6/14/2025 19:30	0.23	0.00	50.62	0.00	16.18	0.00	0.51	20.85	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1039	14.26	48.11	341.6	400	0.93333	62.9867	1677	3914	82438	101	0.02	0.07	0.07
6/14/2025 19:45	0.23	0.00	50.64	0.00	16.19	0.00	0.51	20.86	3.01	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58	0.05	1040	14.26	48.11	341.6	400	1	57.177	1522	4193	88326	39	0.03	0.07	0.07
6/14/2025 20:00	0.23	0.00	50.72	0.00	16.21	0.00	0.51	20.89	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1041	14.25	48.11	341.6	400	1	55.5232	1479	4193	88326	38	0.03	0.06	0.06
6/14/2025 20:15	0.23	0.00	50.73	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	54.9953	1465	4193	88326	38	0.03	0.06	0.06
6/14/2025 20:30	0.23	0.00	50.74	0.00	16.22	0.00	0.51	20.90	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	56.2666	1499	4193	88326	38	0.03	0.07	0.07
6/14/2025 20:45	0.23	0.00	50.76	0.00	16.22	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	58.7865	1566	4193	88326	39	0.03	0.07	0.07
6/14/2025 21:00	0.23	0.00	50.76	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	54.6113	1455	4193	88326	38	0.03	0.06	0.06
6/14/2025 21:15	0.23	0.00	50.77	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	57.1711	1523	4193	88326	39	0.03	0.07	0.07
6/14/2025 21:30	0.23	0.00	50.77	0.00	16.23	0.00	0.51	20.91	3.02	2.54	0.00	1.38	1.17	0.00	0.61	0.36	0.58	0.05	1042	14.25	48.11	341.6	400	1	57.8017	1540	4193	88326	39	0.03	0.07	0.07

36Inch Flare								24Inch Flare								Pit Flare						
36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
2.8					NHVcz			3								5.5						
	lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period

Flare Sulphur Emissions

** Data reported below is ONLY covering the times the flares were actively flaring process gasses*

**The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations*

	Historian Data														Calculated Data			
	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF	PSIA	Mol %	mol%	mol%
6/14/2025 21:45	1.21	1.23	22.0	39.07	4.25	36.64	747	816	758	0.00	1042	1152	-5	62.2	0.277	1.74	0.23	0.00
6/14/2025 22:00	1.21	1.23	22.0	28.39	3.43	36.76	741	817	762	0.00	1043	1152	-5	62.4	0.279	1.76	0.23	0.00
6/14/2025 22:15	1.21	1.23	22.0	42.19	3.27	36.53	736	817	762	0.00	1046	1155	-5	62.6	0.281	1.77	0.23	0.00
6/14/2025 22:30	1.21	1.23	22.0	45.52	4.49	36.26	737	817	766	0.00	1044	1150	-5	62.8	0.283	1.78	0.23	0.00
6/14/2025 22:45	1.21	1.23	21.9	41.94	3.75	35.94	730	815	767	0.00	1046	1130	-5	63.1	0.285	1.79	0.23	0.00
6/14/2025 23:00	1.21	1.23	21.9	29.97	3.34	36.44	730	811	796	0.00	1039	1144	-5	62.6	0.281	1.77	0.23	0.00
6/14/2025 23:15	1.22	1.23	21.8	25.16	3.39	36.88	726	819	759	0.00	1039	1137	-5	62.1	0.276	1.73	0.23	0.00
6/14/2025 23:30	1.21	1.23	21.9	40.19	3.70	36.21	740	819	740	0.00	1042	1128	-5	62.3	0.278	1.75	0.23	0.00
6/14/2025 23:45	1.21	1.23	21.9	30.02	4.24	36.09	731	822	741	0.00	1040	1126	-5	62.3	0.278	1.75	0.23	0.00
6/15/2025 0:00	1.21	1.23	21.9	43.04	4.23	35.88	731	823	754	0.00	1040	1127	-5	62.8	0.283	1.78	0.23	0.00
6/15/2025 0:15	1.22	1.23	22.0	43.16	4.48	36.87	718	819	760	0.00	1039	1133	-5	63.1	0.286	1.80	0.23	0.00
6/15/2025 0:30	1.21	1.23	22.1	38.17	3.98	36.78	714	817	773	0.00	1038	1148	-5	63.2	0.287	1.80	0.23	0.00
6/15/2025 0:45	1.21	1.23	21.9	37.50	3.69	36.54	719	821	758	0.00	1041	1137	-5	63.1	0.286	1.80	0.23	0.00
6/15/2025 1:00	1.21	1.23	22.0	45.51	3.90	36.29	731	822	755	0.00	1039	1127	-5	63.0	0.285	1.79	0.23	0.00
6/15/2025 1:15	1.21	1.23	21.9	34.82	3.66	36.62	745	818	751	0.00	1042	1117	-5	63.2	0.286	1.80	0.23	0.00
6/15/2025 1:30	1.21	1.23	21.9	45.31	3.96	35.57	736	820	749	0.00	1043	1122	-5	63.2	0.287	1.81	0.23	0.00
6/15/2025 1:45	1.21	1.23	21.9	46.19	3.99	35.90	741	821	744	0.00	1043	1123	-5	63.1	0.286	1.80	0.23	0.00
6/15/2025 2:00	1.21	1.23	21.6	27.56	3.44	34.89	748	819	743	0.00	1044	1117	-5	62.8	0.283	1.78	0.23	0.00
6/15/2025 2:15	1.21	1.23	21.2	23.29	3.28	36.06	736	820	741	0.00	1043	1121	-5	63.0	0.285	1.79	0.23	0.00
6/15/2025 2:30	1.21	1.23	21.3	39.04	3.95	35.82	750	819	744	0.00	1046	1115	-5	62.7	0.281	1.77	0.23	0.00
6/15/2025 2:45	1.22	1.23	21.4	53.44	4.98	35.60	743	815	754	0.00	1047	1110	-5	63.0	0.284	1.79	0.23	0.00
6/15/2025 3:00	1.21	1.23	21.4	53.90	4.00	36.41	765	811	743	0.00	1055	1107	-5	62.9	0.284	1.78	0.23	0.00
6/15/2025 3:15	1.21	1.23	21.4	46.10	4.12	35.72	773	811	731	0.00	1069	1092	-5	63.6	0.290	1.83	0.23	0.00
6/15/2025 3:30	1.22	1.23	21.5	50.93	4.50	36.54	772	816	735	0.00	1073	1079	-5	63.8	0.293	1.84	0.23	0.00

Flare Sulphur Emissions

Data reported below is ONLY covering the times the flares were actively flaring process gasses

The Flare Gas compositions are estimated based on the heat and material balance, and lab analysis of flare header samples and unit operations

= Flare Not Active This Event

Historian Data

	Flare Header Pressure	Flare Gas Compressor Suction P	Flare Gas Compressor Spillback	Flare Flow Meter			36inch Pilots			36inch Steam OP	24inch Pilots		24inch Steam	Ambient Temp.
	PSIG	PSIG	%	KSCFH	KLB/HR	LB/LB-MOL	DEGF	DEGF	DEGF	%	DEGF	DEGF	%	DEGF
6/20/2025 5:30	1.38	1.40	23.0	38.92	3.89	35.41	803	747	798	0.00	1040	1048	-5	64.5
6/20/2025 5:45	1.30	1.32	23.0	35.82	3.11	34.81	803	745	801	0.00	1068	1066	-5	64.7
6/20/2025 6:00	1.28	1.30	23.1	38.04	3.59	35.33	765	786	814	0.00	1076	1127	-5	64.4
6/20/2025 6:15	1.28	1.30	23.1	41.15	3.42	35.17	731	806	796	0.00	1070	1145	-5	64.9
6/20/2025 6:30	1.28	1.30	22.9	39.73	3.57	36.02	766	794	800	0.00	1084	1146	-5	67.8
6/20/2025 6:45	1.28	1.30	22.9	51.28	4.04	35.97	770	786	790	0.00	1085	1134	-5	69.3
6/20/2025 7:00	1.28	1.30	22.8	38.93	3.77	36.18	776	748	773	0.00	1092	1095	-5	69.1
6/20/2025 7:15	1.28	1.30	22.9	33.24	3.65	35.86	766	787	771	0.00	1086	1108	-5	71.1
6/20/2025 7:30	1.28	1.30	23.0	29.50	3.74	35.84	762	796	763	0.00	1085	1121	-5	71.1
6/20/2025 7:45	1.28	1.30	23.1	33.42	3.49	35.59	749	802	755	0.00	1082	1138	-5	69.4
6/20/2025 8:00	1.28	1.30	23.0	42.92	4.10	35.67	765	798	758	0.00	1100	1101	-5	70.2
6/20/2025 8:15	1.28	1.30	22.9	31.74	3.21	35.99	762	802	759	0.00	1106	1088	-5	71.4

Calculated Data — **Flare Gas Composition**

	Water Vapour /Partial Pressure	Water	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
	PSIA	Mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
6/20/2025 5:30	0.301	1.87	0.23	0.00	50.70	0.00	16.21	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58
6/20/2025 5:45	0.302	1.89	0.23	0.00	50.69	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58
6/20/2025 6:00	0.299	1.87	0.23	0.00	50.70	0.00	16.21	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.17	0.00	0.61	0.36	0.58
6/20/2025 6:15	0.305	1.91	0.23	0.00	50.68	0.00	16.20	0.00	0.51	20.88	3.01	2.53	0.00	1.38	1.16	0.00	0.61	0.36	0.58
6/20/2025 6:30	0.336	2.10	0.23	0.00	50.58	0.00	16.17	0.00	0.51	20.83	3.00	2.53	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 6:45	0.355	2.22	0.23	0.00	50.52	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 7:00	0.352	2.21	0.23	0.00	50.53	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 7:15	0.377	2.36	0.23	0.00	50.46	0.00	16.13	0.00	0.51	20.78	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 7:30	0.377	2.36	0.23	0.00	50.46	0.00	16.13	0.00	0.51	20.78	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 7:45	0.356	2.23	0.23	0.00	50.52	0.00	16.15	0.00	0.51	20.81	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 8:00	0.365	2.29	0.23	0.00	50.49	0.00	16.14	0.00	0.51	20.80	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58
6/20/2025 8:15	0.381	2.38	0.23	0.00	50.44	0.00	16.12	0.00	0.51	20.78	3.00	2.52	0.00	1.37	1.16	0.00	0.61	0.36	0.58

Property Calculations / **ZTOF**

	Flare Gas Lower Flamibility Limit	Net Heating Value	Molecular Weight	NFVvg-LFL	Calc Net Heating Value Limit	Maximum Velocity	ZTOF Stage Estimate	ZTOF Flow Estimate	ZTOF Flow Estimate	ZTOF Steam Flow Estimate	ZTOF Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions
	LFLvg	NHVvg			NHVcz-limit		1					NHVcz		
		BTU/SCF	lb/lbmol		BTU/SCF	ft/s		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period
6/20/2025 5:30	0.05	1041	14.25	48.11	341.6	400	1	724.712	19301	4193	88326	201	0.03	0.84
6/20/2025 5:45	0.05	1041	14.25	48.11	341.6	400	1	395.961	10545	4193	88326	128	0.03	0.46
6/20/2025 6:00	0.05	1041	14.25	48.11	341.6	400	1	323.682	8620	4193	88326	111	0.03	0.37
6/20/2025 6:15	0.05	1040	14.25	48.11	341.6	400	1	323.104	8604	4193	88326	110	0.03	0.37
6/20/2025 6:30	0.05	1038	14.26	48.11	341.6	400	1	324.661	8640	4193	88326	110	0.03	0.37
6/20/2025 6:45	0.05	1037	14.27	48.11	341.6	400	1	329.612	8769	4193	88326	112	0.03	0.38
6/20/2025 7:00	0.05	1037	14.27	48.11	341.6	400	1	330.991	8806	4193	88326	112	0.03	0.38
6/20/2025 7:15	0.05	1036	14.27	48.11	341.6	400	1	325.667	8660	4193	88326	110	0.03	0.37
6/20/2025 7:30	0.05	1036	14.27	48.11	341.6	400	1	331.919	8826	4193	88326	112	0.03	0.38
6/20/2025 7:45	0.05	1037	14.27	48.11	341.6	400	1	328.585	8741	4193	88326	111	0.03	0.38
6/20/2025 8:00	0.05	1037	14.27	48.11	341.6	400	1	326.494	8684	4193	88326	111	0.03	0.38
6/20/2025 8:15	0.05	1036	14.27	48.11	341.6	400	1	330.041	8776	4193	88326	112	0.03	0.38

36Inch Flare / **24Inch Flare** / **Pit Flare**

	36inch Flare Active Estimate	36inch Flow Estimate	36inch Flow Estimate	36inch Steam Flow Estimate	36inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	24inch Flare Active Estimate	24inch Flow Estimate	24inch Flow Estimate	24inch Steam Flow Estimate	24inch Steam Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Pit Flare Active Estimate	Pit Flare Scenario	Pit Flow Estimate	Pit Flow Estimate	Net Heating Value	Actual Velocity	SO2 Emissions	Total SO2 Emissions
	2.8					NHVcz			3								5.5							
		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period		lb/hr	SCFH	lb/hr	SCFH	BTU/SCF	ft/s	kg/period			lb/hr	SCFH	BTU/SCF	ft/s	kg/period	kg/period
6/20/2025 5:30	0	0	0	0	0	940	0.070	0																0.84
6/20/2025 5:45	0	0	0	0	0	940	0.070	0																0.46
6/20/2025 6:00	0	0	0	0	0	940	0.070	0																0.37
6/20/2025 6:15	0	0	0	0	0	940	0.070	0																0.37
6/20/2025 6:30	0	0	0	0	0	940	0.070	0																0.37
6/20/2025 6:45	0	0	0	0	0	940	0.070	0																0.38
6/20/2025 7:00	0	0	0	0	0	940	0.070	0																0.38
6/20/2025 7:15	0	0	0	0	0	940	0.070	0																0.37
6/20/2025 7:30	0	0	0	0	0	940	0.070	0																0.38
6/20/2025 7:45	0	0	0	0	0	940	0.070	0																0.38
6/20/2025 8:00	0	0	0	0	0	940	0.070	0																0.38
6/20/2025 8:15	0	0	0	0	0	940	0.070	0																0.38

Flare SO2 By Day					
	ZTOF	36 inch	24 inch	Pit	Total
Day	SO2 [kg]	SO2 [kg]	SO2 [kg]	SO2 [kg]	SO2 [kg]
4/1/2025	672.0	0.0	0.0	0.0	672.0
4/2/2025	563.2	0.0	0.0	0.0	563.2
4/3/2025	817.0	0.0	0.0	0.0	817.0
4/4/2025	703.0	0.0	0.0	0.0	703.0
4/5/2025	703.3	0.0	0.0	0.0	703.3
4/6/2025	646.4	0.0	0.0	0.0	646.4
4/7/2025	476.6	0.0	0.0	0.0	476.6
4/8/2025	1304.1	0.0	0.0	0.0	1304.1
4/9/2025	866.3	0.0	0.0	0.0	866.3
4/10/2025	719.7	0.0	0.0	0.0	719.7
4/11/2025	1059.1	0.0	0.0	0.0	1059.1
4/12/2025	1080.4	0.0	0.0	0.0	1080.4
4/13/2025	1091.1	0.0	0.0	0.0	1091.1
4/14/2025	1597.4	0.0	0.0	0.0	1597.4
4/15/2025	1326.3	0.0	0.0	0.0	1326.3
4/16/2025	559.7	0.0	0.0	0.0	559.7
4/17/2025	713.6	0.0	0.0	0.0	713.6
4/18/2025	480.5	0.0	0.0	0.0	480.5
4/19/2025	548.1	0.0	0.0	0.0	548.1
4/20/2025	852.0	0.0	0.0	0.0	852.0
4/21/2025	1074.8	0.0	0.0	0.0	1074.8
4/22/2025	1064.8	0.0	0.0	0.0	1064.8
4/23/2025	1026.2	0.0	0.0	0.0	1026.2
4/24/2025	1008.1	0.0	0.0	0.0	1008.1
4/25/2025	878.9	0.0	0.0	0.0	878.9
4/26/2025	878.6	0.0	0.0	0.0	878.6
4/27/2025	872.8	0.0	0.0	0.0	872.8
4/28/2025	854.6	0.0	0.0	0.0	854.6
4/29/2025	841.3	0.0	0.0	0.0	841.3
4/30/2025	787.8	0.0	0.0	0.0	787.8
5/1/2025	907.9	0.0	0.0	0.0	907.9
5/2/2025	587.1	0.0	0.0	0.0	587.1
5/3/2025	598.1	0.0	0.0	0.0	598.1
5/4/2025	414.8	0.0	0.0	0.0	414.8
5/5/2025	358.7	0.0	0.0	0.0	358.7
5/6/2025	82.7	0.0	0.0	0.0	82.7
5/7/2025	170.1	0.0	0.0	0.0	170.1
5/8/2025	633.8	0.0	0.0	0.0	633.8
5/9/2025	729.8	0.0	0.0	0.0	729.8
5/10/2025	725.9	0.0	0.0	0.0	725.9
5/11/2025	729.3	0.0	0.0	0.0	729.3
5/12/2025	343.3	0.0	0.0	0.0	343.3
5/13/2025	0.2	0.0	0.0	0.0	0.2
5/14/2025	0.0	0.0	0.0	0.0	0.0
5/15/2025	0.0	0.0	0.0	0.0	0.0
5/16/2025	0.0	0.0	0.0	0.0	0.0
5/17/2025	0.0	0.0	0.0	0.0	0.0
5/18/2025	0.0	0.0	0.0	0.0	0.0
5/19/2025	0.0	0.0	0.0	0.0	0.0
5/20/2025	0.0	0.0	0.0	0.0	0.0
5/21/2025	0.0	0.0	0.0	0.0	0.0
5/22/2025	0.0	0.0	0.0	0.0	0.0
5/23/2025	0.0	0.0	0.0	0.0	0.0
5/24/2025	0.0	0.0	0.0	0.0	0.0
5/25/2025	0.0	0.0	0.0	0.0	0.0
5/26/2025	0.0	0.0	0.0	0.0	0.0
5/27/2025	0.0	0.0	0.0	0.0	0.0
5/28/2025	16.1	0.0	0.0	0.0	16.1
5/29/2025	0.0	0.0	0.0	0.0	0.0
5/30/2025	0.0	0.0	0.0	0.0	0.0
5/31/2025	0.0	0.0	0.0	0.0	0.0
6/1/2025	0.0	0.0	0.0	0.0	0.0
6/2/2025	0.0	0.0	0.0	0.0	0.0
6/3/2025	145.7	0.0	0.0	0.0	145.7
6/4/2025	1018.8	141.6	0.0	0.0	1160.4
6/5/2025	560.4	0.0	0.0	0.0	560.4
6/6/2025	407.2	0.0	0.0	0.0	407.2
6/7/2025	332.5	0.0	0.0	0.0	332.5
6/8/2025	233.2	0.0	0.0	0.0	233.2
6/9/2025	0.0	0.0	0.0	0.0	0.0
6/10/2025	17.2	0.0	0.0	0.0	17.2
6/11/2025	0.0	0.0	0.0	0.0	0.0
6/12/2025	60.4	0.0	0.0	0.0	60.4
6/13/2025	38.4	0.0	0.0	0.0	38.4
6/14/2025	26.4	0.0	0.0	0.0	26.4
6/15/2025	3.5	0.0	0.0	0.0	3.5
6/16/2025	0.0	0.0	0.0	0.0	0.0
6/17/2025	82.4	0.0	0.0	0.0	82.4
6/18/2025	0.0	0.0	0.0	0.0	0.0
6/19/2025	68.8	0.8	0.0	0.0	69.6
6/20/2025	24.8	0.0	0.0	0.0	24.8
6/21/2025	0.0	0.0	0.0	0.0	0.0
6/22/2025	8.8	0.0	0.0	0.0	8.8
6/23/2025	4.1	0.0	0.0	0.0	4.1
6/24/2025	3.1	0.0	0.0	0.0	3.1
6/25/2025	26.4	0.0	0.0	0.0	26.4
6/26/2025	0.0	0.0	0.0	0.0	0.0
6/27/2025	0.0	0.0	0.0	0.0	0.0
6/28/2025	0.0	0.0	0.0	0.0	0.0
6/29/2025	0.0	0.0	0.0	0.0	0.0
6/30/2025	33.6	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

Flare Gas Lab Results | **Air-Free Composition** | **Air-Free and Normalized Composition**

	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+	Hydrogen Sulphide	Sulphur Dioxide	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Carbon Dioxide	Methane	Ethane	Propane	Propylene	i-Butane	n-Butane	Butylene	i-Pentane	n-Pentane	n-Hexane and C6+
Date and Time	ppmv	ppmv	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol%	mol%	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %	mol %
3/31/2025 0:00	3672	0.77	50.06	0.14	4.65	0.00	0.91	38.58	2.01	0.63	0.00	0.81	0.54	0.00	0.50	0.21	0.69	0.3672	0.000077	50.06	0.00	0.54	0.00	0.91	38.58	2.01	0.63	0.00	0.81	0.54	0.00	0.50	0.21	0.69	0.278	0.000	52.26	0.00	0.56	0.00	0.95	40.30	2.09	0.66	0.00	0.84	0.56	0.00	0.52	0.22	0.72
4/1/2025 0:00	2118	0.3	55.37	0.20	4.00	0.00	0.83	34.55	2.02	0.83	0.00	0.86	0.43	0.00	0.36	0.14	0.40	0.2118	0.00003	55.37	0.00	0.75	0.00	0.83	34.55	2.02	0.83	0.00	0.86	0.43	0.00	0.36	0.14	0.40	0.218	0.000	57.30	0.00	0.78	0.00	0.86	35.76	2.09	0.86	0.00	0.89	0.45	0.00	0.37	0.14	0.41
4/2/2025 5:45	1639	0.24	53.69	0.54	5.20	0.00	0.77	35.02	2.03	0.78	0.00	0.62	0.40	0.00	0.32	0.12	0.35	0.1639	0.000324	53.69	0.00	2.03	0.00	0.77	35.02	2.03	0.78	0.00	0.62	0.40	0.00	0.32	0.12	0.35	0.170	0.000	55.76	0.00	2.11	0.00	0.80	36.37	2.11	0.81	0.00	0.64	0.42	0.00	0.33	0.12	0.36
4/2/2025 22:00	2070	0.3	58.42	0.04	2.49	0.00	0.86	33.40	2.13	0.08	0.00	0.73	0.52	0.00	0.48	0.19	0.44	0.207	0.00003	58.42	0.00	0.15	0.00	0.86	33.40	2.13	0.08	0.00	0.73	0.52	0.00	0.48	0.19	0.44	0.212	0.000	59.85	0.00	0.15	0.00	0.88	34.22	2.18	0.08	0.00	0.75	0.53	0.00	0.49	0.19	0.45
4/3/2025 10:40	3504	0.49	49.96	1.97	9.71	0.00	0.81	31.99	1.90	0.82	0.00	0.72	0.51	0.00	0.48	0.21	0.56	0.3504	0.000349	49.96	0.00	7.41	0.00	0.81	31.99	1.90	0.82	0.00	0.72	0.51	0.00	0.48	0.21	0.56	0.366	0.000	52.19	0.00	7.74	0.00	0.85	33.42	1.98	0.86	0.00	0.75	0.53	0.00	0.50	0.22	0.59
4/4/2025 0:00	2189	0.34	57.73	0.10	2.50	0.00	0.78	34.13	1.47	0.83	0.00	0.73	0.50	0.00	0.43	0.18	0.39	0.2189	0.000034	57.73	0.00	0.38	0.00	0.78	34.13	1.47	0.83	0.00	0.73	0.50	0.00	0.43	0.18	0.39	0.224	0.000	59.05	0.00	0.38	0.00	0.80	34.91	1.50	0.85	0.00	0.75	0.51	0.00	0.44	0.18	0.40
4/5/2025 0:00	1818	0.44	62.53	0.30	3.30	0.00	0.65	29.40	1.48	0.65	0.00	0.58	0.37	0.00	0.34	0.13	0.29	0.1818	0.000044	62.53	0.00	1.13	0.00	0.65	29.40	1.48	0.65	0.00	0.58	0.37	0.00	0.34	0.13	0.29	0.186	0.000	63.98	0.00	1.15	0.00	0.67	30.08	1.51	0.67	0.00	0.59	0.38	0.00	0.35	0.13	0.30
4/7/2025 0:00	1416	0.43	54.72	1.35	7.48	0.00	0.80	30.84	1.92	0.77	0.00	0.70	0.43	0.00	0.39	0.15	0.34	0.1416	0.000043	54.72	0.00	5.08	0.00	0.80	30.84	1.92	0.77	0.00	0.70	0.43	0.00	0.39	0.15	0.34	0.147	0.000	56.83	0.00	5.27	0.00	0.83	32.03	1.99	0.80	0.00	0.73	0.45	0.00	0.41	0.16	0.35
4/7/2025 23:00	4884	0.44	51.47	0.31	3.53	0.02	0.91	37.89	2.15	0.94	0.00	0.81	0.58	0.00	0.51	0.21	0.44	0.4884	0.000049	51.47	0.00	1.17	0.02	0.91	37.89	2.15	0.94	0.00	0.81	0.58	0.00	0.51	0.21	0.44	0.500	0.000	52.74	0.00	1.20	0.02	0.93	38.83	2.20	0.96	0.00	0.83	0.59	0.00	0.52	0.22	0.45
4/8/2025 20:00	3767.00	0.54	50.92	0.10	2.43	0.01	0.91	39.13	2.45	1.82	0.00	1.89	1.35	0.00	1.20	0.48	0.87	0.3767	0.000054	50.92	0.00	0.38	0.01	0.91	39.13	2.45	1.82	0.00	1.93	1.35	0.00	1.20	0.48	0.87	0.385	0.000	52.05	0.00	0.38	0.01	0.93	39.91	2.50	1.86	0.00	1.97	1.38	0.00	1.23	0.49	0.892
4/9/2025 21:00	2109	0.42	51.66	1.25	7.26	0.00	0.88	33.36	2.12	0.83	0.00	0.87	0.52	0.00	0.51	0.18	0.36	0.2109	0.000042	51.66	0.00	4.70	0.00	0.88	33.36	2.12	0.83	0.00	0.87	0.52	0.00	0.51	0.18	0.36	0.213	0.000	53.70	0.00	4.89	0.00	0.91	34.68	2.20	0.86	0.00	0.90	0.54	0.00	0.53	0.19	0.37
4/30/2025 18:00	3750	0.85	53.63	0.07	2.45	0.02	0.93	35.91	2.16	1.19	0.00	1.14	0.82	0.00	0.68	0.27	0.36	0.375	0.000085	53.63	0.00	0.26	0.02	0.93	35.91	2.16	1.19	0.00	1.14	0.82	0.00	0.68	0.27	0.36	0.384	0.000	54.87	0.00	0.27	0.00	0.95	36.74	2.21	1.22	0.00	1.17	0.84	0.00	0.70	0.28	0.37
4/31/2025 8:00	4167	0.72	47.66	1.49	8.13	0.00	0.80	34.33	2.18	1.22	0.00	1.19	0.91	0.00	0.81	0.34	0.53	0.4167	0.000072	47.66	0.00	5.61	0.00	0.80	34.33	2.18	1.22	0.00	1.19	0.91	0.00	0.81	0.34	0.53	0.434	0.000	49.65	0.00	5.84	0.00	0.83	35.76	2.27	1.27	0.00	1.24	0.95	0.00	0.84	0.35	0.553
4/11/2025 18:45	4884	0.44	45.13	0.29	3.86	0.03	1.30	37.33	3.23	2.09	0.00	1.90	1.49	0.00	1.19	0.52	0.90	0.4884	0.000044	45.13	0.00	1.09	0.03	1.30	37.33	3.23	2.09	0.00	1.90	1.49	0.00	1.19	0.52	0.90	0.505	0.000	46.68	0.00	1.13	0.03	1.34	38.61	3.34	2.16	0.00	1.97	1.54	0.00	1.23	0.54	0.93
4/13/2025 13:00	4653	0.57	45.93	0.90	5.57	0.00	1.05	36.46	2.54	1.76	0.00	1.58	1.24	0.00	1.11	0.50	0.90	0.4653	0.000057	45.93	0.00	3.39	0.00	1.05	36.46	2.54	1.76	0.00	1.58	1.24	0.00	1.11	0.50	0.90	0.480	0.000	47.39	0.00	3.49	0.00	1.08	37.62	2.62	1.82	0.00	1.63	1.28	0.00	1.15	0.52	0.93
4/13/2025 20:00	4527	0.64	49.87	0.60	4.41	0.02	0.84	36.55	1.99	1.32	0.00	1.22	0.97	0.00	0.78	0.35	0.63	0.4527	0.000064	49.87	0.00	2.26	0.02	0.84	36.55	1.99	1.32	0.00	1.22	0.97	0.00	0.78	0.35	0.63	0.466	0.000	51.28	0.00	2.32	0.02	0.86	37.58	2.05	1.36	0.00	1.25	1.00	0.00	0.80	0.36	0.65
4/14/2025 0:00	6113	0.6	50.68	0.45	3.87	0.02	0.84	36.49	1.89	1.28	0.00	1.18	0.95	0.00	0.76	0.35	0.63	0.6113	0.00006	50.68	0.00	1.69	0.02	0.84	36.49	1.89	1.28	0.00	1.18	0.95	0.00	0.76	0.35	0.63	0.628	0.000	52.05	0.00	1.74	0.02	0.86	37.47	1.94	1.31	0.00	1.21	0.98	0.00	0.78	0.36	0.65
4/15/2025 15:30	4008	0.57	48.84	0.17	4.01	0.02	0.83	37.17	2.31	1.56	0.00	1.46	1.18	0.00	0.98	0.42	0.67	0.4008	0.000057	48.84	0.00	0.64	0.02	0.81	37.17	2.31	1.56	0.00	1.46	1.18	0.00	0.98	0.42	0.67	0.416	0.000	50.63	0.00	0.66	0.02	0.84	38.53	2.39	1.62	0.00	1.51	1.22	0.00	1.02	0.44	0.69
4/16/2025 0:00	2409	0.38	43.88	0.46	7.70	0.02	0.94	36.29	2.53	1.94	0.00	1.78	1.39	0.00	1.26	0.55	0.90	0.2409	0.000038	43.88	0.00	1.73	0.02	0.94	36.29	2.53	1.94	0.00	1.78	1.39	0.00	1.26	0.55	0.90	0.258	0.000	46.95	0.00	1.85	0.02	1.01	38.83	2.71	2.08	0.00	1.90	1.49	0.00	1.35	0.59	0.96
4/17/2025 0:00	3056	0.47	48.60	0.16	3.73	0.02	0.92	38.31	2.25	1.44	0.00	1.35	1.02	0.00	0.85	0.35	0.67	0.3056	0.000047	48.60	0.00	0.60	0.02	0.92	38.31	2.25	1.44	0.00	1.35	1.02	0.00	0.85	0.35	0.67	0.316	0.000	50.27	0.00	0.62	0.02	0.95	39.62	2.33	1.49	0.00	1.40	1.05	0.00	0.88	0.36	0.69
4/17/2025 12:00	2774	0.42	45.31	1.08	7.29	0.02	0.90	36.62	2.13	1.54	0.00	1.50	1.17	0.00	0.98	0.42	0.75	0.2774	0.000042	45.31	0.00	4.06	0.02	0.90	36.62	2.13	1.54	0.00	1.50	1.17	0.00	0.98	0.42	0.78	0.290	0.000	47.35	0.00	4.25	0.02	0.94	38.27	2.23	1.61	0.00	1.57	1.22	0.00	1.02	0.44	0.78
4/18/2025 0:00	1421	0.23	50.68	0.23	4.06	0.02	0.94	39.14	1.08	0.88	0.00	0.90	0.64	0.00	0.56	0.23	0.48	0.1421	0.000023	50.68	0.00	0.97	0.02	0.94	39.14	1.08	0.88	0.00	0.90	0.64	0.00	0.56	0.23	0.48	0.147	0.000	52.49	0.00	0.90	0.02	0.97	40.54	1.12	0.91	0.00	0.93	0.66	0.00	0.58	0.24	0.50
4/18/2025 12:00	2121	0.42	48.73	0.28	3.97	0.02	0.91	38.97	1.67	1.33	0.00	1.31	0.91	0.00	0.78	0.31	0.60	0.2121	0.000042	48.73	0.00	1.05	0.02	0.91	38.97	1.67	1.33	0.00	1.31	0.91	0.00	0.78	0.31	0.60	0.218	0.000	50.34	0.00	1.09	0.02	0.94	40.26	1.73	1.37	0.00	1.35	0.94	0.00	0.81	0.32	0.62
4/20/2025 0:00	2991	0.56	52.10	0.17	3.48	0.02	1.00	36.81	2.12	1.09	0.00	0.94	0.71	0.00	0.54	0.23	0.48	0.2991	0.000056	52.10	0.00	0.64	0.02	1.00	36.81	2.12	1.09	0.00	0.94	0.71	0.00	0.54	0.23	0.48	0.309	0.000	53.72	0.00	0.66	0.02	1.03	37.96	2.19	1.12	0.00	0.97	0.73	0.00	0.56	0.24	0.49
4/21/2025 0:00	3890	0.52	50.77	0.31	4.10	0.02	0.91	37.43	1.78	1.13	0.00	1.00	0.76	0.00	0.60	0.25	0.55	0.389	0.000052	50.77	0.00	1.17	0.02	0.91	37.43	1.78	1.13	0.00	1.00	0.76	0.00	0.60	0.25	0.55	0.402	0.000	52.47	0.00	1.21	0.02	0.94	38.69	1.84	1.17	0.00	1.03	0.79	0.00	0.62	0.26	0.57
4/23/2025 0:00	4573	0.67	41.91	3.15	15.23	0.00	0.75	31.65	1.13	1.54	0.00	1.22	0.99	0.00	0.80	0.35	0.83	0.4573	0.000067	41.91	0.00	11.85	0.00	0.75	31.65	1.13	1.54	0.00	1.22	0.99	0.00	0.80	0.35	0.83	0.489	0.000	44.83	0.00	12.68	0.00	0.80	33.86	1.21	1.65	0.00	1.31	1.06	0.00	0.86	0.37	0.89
4/24/2025 0:00	3033	0.47	52.70	0.78	6.08	0.00	0.89	32.99	1.82	1.39	0.00	0.84	0.72	0.00	0.53	0.25	0.60	0.3033	0.000047	52.70	0.00	2.93	0.00	0.89	32.99	1.82	1.39	0.00	0.84	0.72	0.00	0.53	0.25	0.60	0.316	0.000	54.91	0.00	3.06	0.00	0.93	34.38	1.90	1.45	0.00	0.88	0.75	0.00	0.55	0.26	0.63
4/24/2025 12:00	4863	0.85	48.95	0.18	3.73	0.00	0.97	36.25	2.17	1.98	0.00	1.59	1.27	0.00	1.07	0.47	0.89	0.4863	0.000085	48.95	0.00	0.68	0.00	0.97	36.25	2.17	1.98	0.00	1.59	1.27	0.00	1.07	0.47	0.89	0.503	0.000	50.58	0.00	0.70	0.00	1.00	37.46	2.24	2.05	0.00	1.64	1.31	0.00	1.11	0.49	0.92
4/25/2025 0:00	3710	0.68	48.85	0.11	3.51	0.00	0.99	36.26	2.14	2.05	0.00	1.71	1.37	0.00	1.16	0.51	0.96	0.371	0.000068	48.85	0.00	0.41	0.00	0.99	36.26	2.14	2.05	0.00	1.71	1.37	0.00	1.16	0.51	0.96	0.383	0.000	50.47	0.00	0.43	0.00	1.02	37.46	2.21	2.12	0.00	1.77	1.42	0.00	1.20	0.53	0.95
4/26/2025 0:00	3513	0.72	46.72	0.87	6.73	0.00	0.93	36.29	2.12	1.65	0.00	1.23	1.07	0.00	0.87	0.41	0.77	0.3513	0.000072	46.72	0.00	3.27	0.00	0.93	36.29	2.12	1.65	0.00	1.23	1.07	0.00	0.87	0.41	0.77	0.367	0.000	48.63	0.00	3.42	0.00	0.97	37.93	2.22	1.72	0.00	1.29	1.12	0.00	0.91	0.43	0.80
4/29/2025 0:00	3498	0.77	47.07	0.34	4.28	0.00	0.96	38.35	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69	0.3498	0.000077	47.07	0.00	1.28	0.00	0.96	38.35	2.31	1.81	0.00	1.40	1.12	0.00	0.91	0.39	0.69	0.352	0.000	48.71	0.00	1.32	0.00	0.99	39.68	2.39	1.87	0.00	1.45	1.16	0.00	0.94	0.40	0.71
4/30/2025 0:00	3187	0.65	47.61	0.54	5.07	0.02	0.91	37.52	2.24	1.40	0.00	1.35	1.06	0.00	0.87	0.38	0.67	0.3187	0.000065	47.61	0.00	2.03	0.02	0.91	37.52	2.24	1.40	0.00	1.35	1.06	0.00	0.87	0.38	0.67	0.331	0.000	49.41	0.00	2.11	0.02	0.94	38.92	2.32	1.45	0.00	1.40	1.10	0.00	0.90	0.39	0.70
5/1/2025 8:30	3561	0.888	45.35	0.07	5.97	0.02	0.85	36.27	2.37	1.80	0.00	2.00	1.59	0.00	1.52	0.66	1.18	0.3561	0.0000888	45.35	0.00	0.26	0.02	0.85	36.27	2.37	1.80	0.00	2.00	1.59	0.00	1.52	0.66	1.18	0.378	0.000	48.13	0.00	0.27	0.02	0.91	38.50	2.52	1.91	0.00	2.12	1.69	0.00	1.61	0.70	1.25
5/1/2025 22:00	2564	0.591	35.86	1.26	14.60	0.00	0.66	40.85	2.37	0.95	0.00	1.01	0.70	0.00	0.66	0.27	0.57	0.2564	0.0000591	35.86	0.00	4.73	0.00	0.66	40.85	2.37	0.95	0.00	1.01	0.70	0.00	0.66	0.27	0.57	0.266	0.000	40.35	0.00	5.33	0.00	0.75	45.96	2.66	1.07	0.00	1.14	0.79	0.00	0.74	0.30	0.65
5/2/2025 12:00	3029	0.499	34.83	2.39	13.18	0.00	0.70	39.79	2.48	1.27	0.00	1.30	1.11	0.00	1.06	0.49	1.09	0.3029	0.0000499	34.83	0.00	9.00	0.00	0.70	39.79	2.48	1.27	0.00	1.30	1.11	0.00	1.06	0.49	1.09	0.314	0.000	37.38	0.00	9.63	0.00	0.75	42.68	2.65	1.36	0.00	1.39	1.19	0.00	1.13	0.53	1.17
5/3/2025 21:00	1978	0.311	40.96	0.13	3.93	0.01	0.73	41.51	2.74	2.91	0.00	2.57	1.88	0.00	1.25	0.52	0.67	0.1978	0.0000311	40.96	0.00	0.50	0.01	0.71	41.51	2.74	2.91	0.00	2.57	1.88	0.00	1.25	0.52	0.67	0.205	0.000	42.47	0.00	0.52	0.01	0.74	43.05	2.84	3.01	0.00	2.66	1.95	0.00	1.29	0.54	0.70
5/7/2025 0:00	3258	0.538	52.47	1.38	9.62	0.00	0.73	29.61	1.89	1.00	0.00	0.91	0.74	0.00	0.59	0.26	0.52	0.3258	0.0000538	52.47	0.00	5.18	0.00	0.71	29.61	1.89	1.00	0.00	0.91	0.74	0.00	0.59	0.26	0.52	0.325	0.000	55.70	0.00	5.50	0.00	0.76	31.44	2.00	1.07	0.00	0.97	0.78	0.00	0.62	0.27	0.55
5/8/2025 0:00	2331	0.531	57.97	0.06	4.22	0.00	0.68	30.51	2.04	1.09	0.00	0.92	0.73	0.00	0.62	0.26	0.66	0.2331	0.0000531	57.97	0.00	0.21	0.00	0.68	30.51	2.04	1.09	0.00	0.92	0.73	0.00	0.62	0.26	0.66	0.245	0.000	60.43	0.00	0.22	0.00	0.71	31.81	2.12	1.13	0.00	0.96	0.76	0.00	0.64	0.27	0.69
5/12/2025 0:00	2409	0.9	53.16	2.19	12.20	0.00	0.63	23.04	2.39	2.21	0.00	1.17	1.04	0.00	0.71	0.44	0.58	0.2409	0.00009	53.16	0.00	8.26	0.00	0.63	23.04	2.39	2.21	0.00	1.17	1.04	0.00	0.71	0.44	0.58	0.257	0.000	56.64	0.00	8.80	0.00	0.67	24.54	2.54	2.36	0.00	1.24	1.11	0.00	0.76	0.46	0.62
5/13/2025 0:00	5615	2.09	56.47	1.40	8.99	0.00	0.56	22.22	2.78	2.66	0.00	1.42	1.20	0.00	0.72	0.41	0.61	0.5615	0.000209	56.47	0.00	5.25	0.00	0.56	22.22	2.78	2.66	0.00	1.42	1.20	0.00	0.72	0.41	0.61	0.592	0.000	59.53	0.00	5.53	0.00	0.59	23.42	2.93	2.81	0.00	1.50	1.26	0.00	0.76	0.43	0.64
5/5/2025 0:00	2021	0.75	44.25	3.76	24.71	0.00	0.45	18.23	2.69	2.21	0.00	1.20	1.02	0.00	0.53	0.31	0.51	0.2021	0.000075	44.25	0.00	14.14	0.00	0.45	18.23	2.69	2.21	0.00	1.20	1.02	0.00	0.53	0.31	0.51	0.236	0.000	51.85	0.00	16.51	0.00	0.52	21.27	3.07	2.58	0.00	1.40	1.19	0.00	0.62	0.37	0.59