

### GT3 EMISSION REPORT

Date	Electricity (MW)	Gas	NO	CO	O2	NOx	Nox (Corrected)
	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/01/2022 00:00:00	24.66733932	102.1756973	4.606098175	24.91742134	15.83557796	12.60977554	GT Shutdown
02/01/2022 00:00:00	25.36587715	104.4380951	4.427266121	24.51036072	15.837677	12.08793926	GT Shutdown
03/01/2022 00:00:00	25.96971512	105.6926956	4.902411938	20.47574806	15.83317566	13.41800976	GT Shutdown
04/01/2022 00:00:00	20.40613365	87.13572693	4.89627552	18.39083099	16.29507256	13.11740589	GT Shutdown
05/01/2022 00:00:00	0.006868946	0	1.715680003	0.143672958	21.15672874	1.715680003	12.97
06/01/2022 00:00:00	8.402243614	38.77087021	5.838800907	2.74660778	19.60257912	19.79684639	13.76
07/01/2022 00:00:00	28.98117638	114.2139664	5.537044048	14.56203461	15.90973186	15.31389332	13.52
08/01/2022 00:00:00	26.01453972	106.3331223	4.844902992	20.34895134	15.86241913	13.39373493	13.50
09/01/2022 00:00:00	27.02760124	108.8297501	5.024060726	19.33027077	15.8073349	13.67290974	GT Shutdown
10/01/2022 00:00:00	23.54826927	99.10782623	4.277147293	31.60717201	15.76296139	11.46546268	13.37
11/01/2022 00:00:00	27.69285393	110.0940018	4.848989487	22.21757889	15.81973076	13.26014042	12.81
12/01/2022 00:00:00	37.74988556	135.03125	5.731140614	8.174874306	15.83045769	15.58495331	12.87
13/01/2022 00:00:00	32.19057083	121.646843	5.015328884	17.2510128	15.92794323	13.89756107	12.97
14/01/2022 00:00:00	26.78952217	107.5143127	5.061120033	22.74586105	15.76680374	13.48226261	12.34
15/01/2022 00:00:00	27.66063881	110.046875	4.968039036	22.60257912	15.78381634	13.34001923	11.90
16/01/2022 00:00:00	26.34750557	106.783287	4.587677002	29.07224464	15.76795769	12.27971649	15.18
17/01/2022 00:00:00	26.47749901	107.1796036	4.922227383	25.56911087	15.73815346	13.21413994	14.93
18/01/2022 00:00:00	22.13707733	92.39759827	4.415891647	24.59288216	16.36149406	11.92666245	14.11
19/01/2022 00:00:00	0.014418647	0.028102342	1.590199709	0.215328917	21.1717968	1.590199709	13.29
20/01/2022 00:00:00	19.31317139	84.07294464	7.166347027	15.78558922	17.28231621	25.15803909	12.48
21/01/2022 00:00:00	25.03914833	103.5201111	4.351075649	33.45169449	15.78853226	11.78359318	10.53
22/01/2022 00:00:00	23.4268074	98.85871887	4.195205212	39.99153519	15.69694328	11.04428196	10.27
23/01/2022 00:00:00	24.91435242	103.3197403	4.42252636	30.78100014	15.75887966	11.90034389	GT Shutdown
24/01/2022 00:00:00	24.606884	102.3749008	4.233987808	35.44152069	15.73514652	11.30106831	12.57
25/01/2022 00:00:00	19.99927521	86.08107758	4.327170372	33.96798325	16.21333504	11.2935791	11.68
26/01/2022 00:00:00	0.007018694	0	1.940863848	0.038515657	21.14335442	1.934435487	12.13
27/01/2022 00:00:00	14.12278557	69.9274826	6.438689709	28.6218586	17.07740784	21.34506607	12.47
28/01/2022 00:00:00	16.14163589	77.3788681	3.542281389	55.13190079	16.23418808	9.422730446	11.55
29/01/2022 00:00:00	0.007856404	0	1.78955245	0.08391799	21.15248489	1.78955245	10.44
30/01/2022 00:00:00	0.007682822	0	1.55898571	0.145251364	21.18695259	1.55898571	GT Shutdown
31/01/2022 00:00:00	0.008838617	0	1.788936138	0.177513599	21.15238762	1.788936138	12.63
<b>Minimum</b>	<b>0.01</b>	<b>-</b>	<b>1.56</b>	<b>0.04</b>	<b>15.70</b>	<b>1.56</b>	<b>10.27</b>
<b>Average</b>	<b>19.52</b>	<b>80.10</b>	<b>4.29</b>	<b>20.10</b>	<b>17.11</b>	<b>11.47</b>	<b>12.68</b>
<b>Maximum</b>	<b>37.75</b>	<b>135.03</b>	<b>7.17</b>	<b>55.13</b>	<b>21.19</b>	<b>25.16</b>	<b>15.18</b>

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Date	Electricity (MW)	Gas	NO	CO	O2	NOx	Nox (Corrected)
	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/02/2022 00:00:00	27.10088921	108.4294434	4.408797264	38.80075455	15.8642149	12.18792439	GT Shutdown
02/02/2022 00:00:00	27.93436432	110.0011139	4.371445656	37.11098099	15.87979794	11.98721218	12.09
03/02/2022 00:00:00	28.45124626	111.5574951	4.378855705	37.82670212	15.92362118	12.08033562	12.08
04/02/2022 00:00:00	27.14391136	108.0163193	4.571726799	35.45858765	15.88265991	12.65769768	12.66
05/02/2022 00:00:00	20.15723991	86.52080536	3.828011036	44.44123077	16.38111115	10.42755508	10.80
06/02/2022 00:00:00	0.008067283	0	1.813432693	0.065281138	21.16736603	1.813432693	GT Shutdown
07/02/2022 00:00:00	20.79870033	87.7105484	6.244810581	20.10542488	17.34930038	21.11730766	12.55
08/02/2022 00:00:00	26.73806381	107.8857269	4.512023449	40.20801544	15.89276218	12.42044926	12.42
09/02/2022 00:00:00	27.94175148	110.6297226	4.519643307	32.32873917	15.85912895	12.42402458	12.42
10/02/2022 00:00:00	28.44434929	112.0630875	4.507603645	34.75245285	15.89630604	12.44809341	12.45
11/02/2022 00:00:00	28.07681656	110.6212769	4.369961739	34.10750961	15.84667492	11.85628414	11.86
12/02/2022 00:00:00	21.8610096	93.8559494	4.145755291	44.62120056	15.7357378	10.96553707	10.97
13/02/2022 00:00:00	14.04960632	83.43260193	9.966726303	72.5650177	16.31398773	37.11849213	9.40
14/02/2022 00:00:00	26.62320137	107.3830719	4.034484386	55.60063934	15.83900166	11.03416252	11.03
15/02/2022 00:00:00	26.83035278	107.7524261	4.380037308	36.78532791	15.86335182	11.97852707	11.98
16/02/2022 00:00:00	19.36000824	88.5142746	3.564180136	64.65890503	15.70826435	9.480880737	9.48
17/02/2022 00:00:00	27.59182167	109.9729156	4.446474552	40.28620911	15.83633518	12.12006855	12.12
18/02/2022 00:00:00	28.36555862	111.7849579	4.913938999	25.75449181	15.83380222	13.33314228	13.33
19/02/2022 00:00:00	25.64968491	104.3428268	4.399281979	36.54767227	15.76138496	11.75443172	11.75
20/02/2022 00:00:00	36.65803528	132.9629974	5.513750076	6.783091068	15.8689146	15.05089092	15.05
21/02/2022 00:00:00	28.53010368	112.5776138	5.158660889	25.27231789	15.91649628	14.21086502	14.21
22/02/2022 00:00:00	23.68074417	99.03884125	3.81120348	48.66112137	15.87180424	10.45047092	10.45
23/02/2022 00:00:00	14.56053162	69.2326889	5.500034809	30.87287712	17.48728371	19.03775978	GT Shutdown
24/02/2022 00:00:00	27.24365616	108.8554764	4.746397972	22.0101223	15.9652338	13.29813194	13.30
25/02/2022 00:00:00	11.07426262	54.24494171	5.468776703	13.92975616	18.25667572	18.3515377	12.86
26/02/2022 00:00:00	4.365689278	26.47203255	4.748653889	8.784742355	19.75156212	16.57546234	28.28
27/02/2022 00:00:00	0.009069925	0	1.606703877	0.072593085	21.16726494	1.606703877	GT Shutdown
28/02/2022 00:00:00	0.010059571	0	1.850764871	0.106215067	21.14663506	1.850764871	GT Shutdown
<b>Minimum</b>	<b>0.01</b>	<b>-</b>	<b>1.61</b>	<b>0.07</b>	<b>15.71</b>	<b>1.61</b>	<b>9.40</b>
<b>Average</b>	<b>21.40</b>	<b>87.99</b>	<b>4.49</b>	<b>31.73</b>	<b>16.80</b>	<b>12.84</b>	<b>12.76</b>
<b>Maximum</b>	<b>36.66</b>	<b>132.96</b>	<b>9.97</b>	<b>72.57</b>	<b>21.17</b>	<b>37.12</b>	<b>28.28</b>

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	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/03/2022 00:00:00	13.87807274	62.71655655	6.70212841	15.56989861	18.58512497	23.67729378	12.66
02/03/2022 00:00:00	23.27944374	91.98638153	5.211723804	16.81913185	17.39308167	16.23138046	13.55
03/03/2022 00:00:00	23.12718582	91.48297119	5.234974384	18.56560898	17.47328568	16.72739792	13.84
04/03/2022 00:00:00	22.95704079	90.83087921	6.529885292	19.07497978	17.47621536	20.0970459	17.65
05/03/2022 00:00:00	20.33783531	84.18424225	5.436926365	33.07403564	17.55335045	17.0081768	11.39
06/03/2022 00:00:00	0.009475671	0	1.670442462	0.129958376	21.16454315	1.670442462	GT Shutdown
07/03/2022 00:00:00	22.6491909	91.89138031	6.444307327	10.65911579	17.52164078	21.83790588	14.86
08/03/2022 00:00:00	23.04532242	91.86399841	6.374944687	12.98307896	17.53100014	20.09002113	15.38
09/03/2022 00:00:00	22.82273293	91.29781342	6.500369549	11.57834816	17.49263763	20.25284958	15.49
10/03/2022 00:00:00	22.97353554	90.52091217	6.006275654	14.17605209	17.53833961	18.50985718	18.41
11/03/2022 00:00:00	18.67939568	79.55404663	5.612186432	29.59531212	17.42511177	17.2606144	12.07
12/03/2022 00:00:00	16.67194366	74.74456024	4.54220295	52.67590714	17.49530602	14.41361046	10.47
13/03/2022 00:00:00	0.009222303	3.098711491	1.829973221	0.043357845	21.16481972	1.829973221	GT Shutdown
14/03/2022 00:00:00	11.19943237	55.75104904	6.700295448	18.28884506	18.86969948	23.70067406	13.85
15/03/2022 00:00:00	22.40325165	90.78942871	5.478487968	18.39333916	17.49205971	17.38011551	13.54
16/03/2022 00:00:00	22.24981499	90.21382904	5.688028336	18.51932907	17.51378822	18.2338295	14.66
17/03/2022 00:00:00	22.1595192	89.94207001	5.610599518	20.47960091	17.49777412	17.84184647	14.05
18/03/2022 00:00:00	22.55703354	90.45816803	5.937154293	14.7559948	17.52907562	18.89517021	15.17
19/03/2022 00:00:00	0.008018984	0	1.7259202	0.095909715	21.15459251	1.7259202	GT Shutdown
20/03/2022 00:00:00	0.009231607	0	1.786415458	0.069100805	21.13997078	1.786415458	GT Shutdown
21/03/2022 00:00:00	6.995736599	34.5185585	5.228003979	4.401488304	19.76951599	17.5219059	13.92
22/03/2022 00:00:00	0.008870522	0	1.707297444	0.082948804	21.17454338	1.707297444	GT Shutdown
23/03/2022 00:00:00	0.058249798	2.554371119	2.194599628	1.764795423	21.07940483	3.797743082	GT Shutdown
24/03/2022 00:00:00	0.009975965	0	1.684900641	0.044966411	21.17606354	1.684900641	GT Shutdown
25/03/2022 00:00:00	0.009906159	0	1.719537854	0.065069251	21.17465019	1.719537854	GT Shutdown
26/03/2022 00:00:00	3.038557053	20.53712845	5.389760971	3.035211325	20.29369354	18.34222984	17.75
27/03/2022 00:00:00	33.46015167	127.2074203	5.676944256	4.828136921	16.11966324	16.51926613	16.52
28/03/2022 00:00:00	10.65831184	49.15885544	5.276661873	15.89393234	19.03408813	16.82284927	19.05
29/03/2022 00:00:00	0.010472874	0	1.833052635	0.122620165	21.13383102	1.833052635	
30/03/2022 00:00:00	0.010092907	0	1.674319148	0.174297303	21.17077255	1.674319148	
31/03/2022 00:00:00	0.113832742	3.09786725	2.33710289	1.655859232	21.05953217	4.871313095	
<b>Minimum</b>	<b>0.01</b>	<b>-</b>	<b>1.67</b>	<b>0.04</b>	<b>16.12</b>	<b>1.67</b>	<b>10.47</b>
<b>Average</b>	<b>13.76</b>	<b>56.98</b>	<b>4.64</b>	<b>12.70</b>	<b>18.82</b>	<b>13.83</b>	<b>14.71</b>
<b>Maximum</b>	<b>33.46</b>	<b>127.21</b>	<b>6.70</b>	<b>52.68</b>	<b>21.18</b>	<b>23.70</b>	<b>19.05</b>

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Date	Electricity (MW)	Gas	NO	CO	O2	NOx	Nox (Corrected)
	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/04/2022 00:00:00	0.009972629	0	1.819190741	0.109147348	21.15089798	1.819190741	GT Shutdown
02/04/2022 00:00:00	0.009821306	0	1.870968819	0.05274646	21.18236351	1.870968819	GT Shutdown
03/04/2022 00:00:00	0.269219458	5.45127058	2.974220276	1.706006408	20.97356033	8.624380112	GT Shutdown
04/04/2022 00:00:00	0.011267911	0	1.600932956	0.172108874	21.16509819	1.600932956	GT Shutdown
05/04/2022 00:00:00	0.01107917	0	1.798919916	0.033176471	21.15745735	1.798919916	GT Shutdown
06/04/2022 00:00:00	0.010580668	0	1.879864573	0.100467205	21.173666	1.879864573	GT Shutdown
07/04/2022 00:00:00	0.01090423	0	1.67744267	0.118014917	21.16744995	1.67744267	GT Shutdown
08/04/2022 00:00:00	0.010265413	0	1.736046672	0.081017077	21.1920433	1.736046672	GT Shutdown
09/04/2022 00:00:00	0.010604401	0	1.625762105	0.068297885	21.19978142	1.625762105	GT Shutdown
10/04/2022 00:00:00	0.01073339	0	1.657035828	0.131584004	21.16867828	1.657035828	GT Shutdown
11/04/2022 00:00:00	0.011352016	0	1.724092603	0.027344242	21.19002914	1.724092603	GT Shutdown
12/04/2022 00:00:00	0.010681156	0	1.73113668	0.056859754	21.17583656	1.73113668	GT Shutdown
13/04/2022 00:00:00	0.011483884	0	1.787390113	0.06459026	21.17696571	1.787390113	GT Shutdown
14/04/2022 00:00:00	0.011122673	0	1.71578908	0.09515024	21.16554832	1.71578908	GT Shutdown
15/04/2022 00:00:00	0.011369241	0	1.818609357	0.048509557	21.17007256	1.818609357	GT Shutdown
16/04/2022 00:00:00	0.010704732	0	1.696730733	0.158625126	21.15825081	1.696730733	GT Shutdown
17/04/2022 00:00:00	0.011230384	0	1.685634613	0.15281944	21.1828289	1.685634613	GT Shutdown
18/04/2022 00:00:00	0.011175455	0	1.746532321	0.229629949	21.17582512	1.746532321	GT Shutdown
19/04/2022 00:00:00	0.011414072	0	1.517037272	0.128216386	21.18239212	1.517037272	GT Shutdown
20/04/2022 00:00:00	0.011385849	0	1.836089134	0.072313078	21.17646408	1.836089134	GT Shutdown
21/04/2022 00:00:00	0.010425651	0	1.826088428	0.128643587	21.17921448	1.826088428	GT Shutdown
22/04/2022 00:00:00	0.01077375	0	1.772550106	0.094900928	21.17134666	1.772550106	GT Shutdown
23/04/2022 00:00:00	1.658141375	16.56645012	5.666270733	4.228162289	20.43489647	20.3350811	GT Shutdown
24/04/2022 00:00:00	18.41103935	86.41286469	3.934996605	51.82318115	15.81745243	10.7150135	10.72
25/04/2022 00:00:00	2.021355629	10.85604763	2.531328678	9.00885582	20.52615738	4.68031311	18.77
26/04/2022 00:00:00	0.010441021	0	1.688085079	0.121132456	21.17915535	1.688085079	GT Shutdown
27/04/2022 00:00:00	0.010068707	0	1.977967262	0.530766904	21.07248116	1.872852445	GT Shutdown
28/04/2022 00:00:00	0.010321965	0	1.825609088	0.104818366	21.18512344	1.825609088	GT Shutdown
29/04/2022 00:00:00	0.010262118	0	1.621447802	0.099510685	21.18050194	1.621447802	1.62
30/04/2022 00:00:00	0.010170458	0	1.655616522	0.055990003	21.17551994	1.655616522	1.66
<b>Minimum</b>	<b>0.01</b>	<b>-</b>	<b>1.52</b>	<b>0.03</b>	<b>15.82</b>	<b>1.52</b>	<b>1.62</b>
<b>Average</b>	<b>0.75</b>	<b>3.98</b>	<b>2.01</b>	<b>2.33</b>	<b>20.94</b>	<b>2.98</b>	<b>8.19</b>
<b>Maximum</b>	<b>18.41</b>	<b>86.41</b>	<b>5.67</b>	<b>51.82</b>	<b>21.20</b>	<b>20.34</b>	<b>18.77</b>

### GT3 EMISSION REPORT

Date	Electricity (MW)	Gas	NO	CO	O2	NOx	Nox (Corrected)
	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/05/2022 00:00:00	0.010549769	0	1.849276185	0.126578048	21.18476868	1.849276185	GT Shutdown
02/05/2022 00:00:00	0.01030043	0	1.573508501	0.169544503	21.18602943	1.573508501	GT Shutdown
03/05/2022 00:00:00	0.009494966	0	1.607171178	0.159923404	21.1908493	1.607171178	GT Shutdown
04/05/2022 00:00:00	0.010311408	0	1.36961782	0.249679327	21.20100403	1.36961782	GT Shutdown
05/05/2022 00:00:00	0.010104106	0	1.761836886	0.033056207	21.17420387	1.761836886	GT Shutdown
06/05/2022 00:00:00	0.009633246	0	1.729422569	0.055851083	21.17322922	1.729422569	GT Shutdown
07/05/2022 00:00:00	0.010258127	0	1.684208393	0.159519702	21.18239403	1.684208393	GT Shutdown
08/05/2022 00:00:00	0.010206836	0	1.761155486	0.026847741	21.17660522	1.761155486	GT Shutdown
09/05/2022 00:00:00	0.009866466	0	1.623674393	0.135788172	21.19549751	1.623674393	GT Shutdown
10/05/2022 00:00:00	0.010086712	0	1.74854064	0.068708874	21.18246078	1.74854064	GT Shutdown
11/05/2022 00:00:00	0.009865236	0	1.572225094	0.081355803	21.19503403	1.572225094	GT Shutdown
12/05/2022 00:00:00	0.010712842	0	1.621011496	0.067186259	21.18805885	1.621011496	GT Shutdown
13/05/2022 00:00:00	0.010973962	0	1.558315516	0.061116252	21.18295097	1.558315516	GT Shutdown
14/05/2022 00:00:00	0.011199646	0	1.636721134	0.096377894	21.18815422	1.636721134	GT Shutdown
15/05/2022 00:00:00	0.01046449	0	1.505386114	0.118764192	21.20355988	1.505386114	GT Shutdown
16/05/2022 00:00:00	0.009184833	0	1.533744574	0.094624884	21.19540977	1.533744574	GT Shutdown
17/05/2022 00:00:00	0.010163863	0	1.62982142	0.136626646	21.18426704	1.62982142	GT Shutdown
18/05/2022 00:00:00	0.009864552	0	1.888275266	0.050956547	21.179142	1.888275266	GT Shutdown
19/05/2022 00:00:00	0.009977313	0	1.573062301	0.163191766	21.18935394	1.573062301	GT Shutdown
20/05/2022 00:00:00	0.010448603	0	1.740444422	0.071416222	21.17148018	1.740444422	GT Shutdown
21/05/2022 00:00:00	0.010621894	0	1.641531348	0.147454143	21.19884872	1.641531348	GT Shutdown
22/05/2022 00:00:00	0.010893048	0	1.373511314	0.176557779	21.20581818	1.373511314	GT Shutdown
23/05/2022 00:00:00	0.01057977	0	1.472174525	0.151306286	21.20472145	1.472174525	GT Shutdown
24/05/2022 00:00:00	21.06891441	90.72167969	7.802585125	9.704179764	17.47194862	29.24773026	14.70
25/05/2022 00:00:00	21.95168114	89.58156586	7.202476025	9.688094139	17.49697304	23.22071075	18.77
26/05/2022 00:00:00	21.93405724	88.8011322	6.557973862	10.79583454	17.58366776	20.83737373	14.32
27/05/2022 00:00:00	21.02748299	86.38037872	5.70955658	11.02582741	17.59723091	18.38736343	14.39
28/05/2022 00:00:00	0.010803261	0	1.734478116	0.103162155	21.16357803	1.739725471	GT Shutdown
29/05/2022 00:00:00	0.011187597	0	1.614524961	0.090494238	21.18929863	1.614524961	GT Shutdown
30/05/2022 00:00:00	0.011783851	0	1.693813324	0.123729527	21.18652153	1.693813324	GT Shutdown
31/05/2022 00:00:00	0.011990201	0	1.50301671	0.131308645	21.19425011	1.50301671	GT Shutdown
<b>Minimum</b>	<b>0.01</b>	<b>-</b>	<b>1.37</b>	<b>0.03</b>	<b>17.47</b>	<b>1.37</b>	<b>14.32</b>
<b>Average</b>	<b>2.78</b>	<b>11.47</b>	<b>2.30</b>	<b>1.43</b>	<b>20.72</b>	<b>4.38</b>	<b>15.55</b>
<b>Maximum</b>	<b>21.95</b>	<b>90.72</b>	<b>7.80</b>	<b>11.03</b>	<b>21.21</b>	<b>29.25</b>	<b>18.77</b>

### GT3 EMISSION REPORT

Appendix 4.3 HRSG3 Emission reports

Date	Electricity (MW)	Gas	NO	CO	O2	NOx	Nox (Corrected)
	21MBDWATT:av	21MBWEXH:av	21CNA10CD002:av	21CNA10CD001:av	21CNA10CD003:av	21CNA10CD902:av	21CNA10CD902:av
Time	GEN. WATTS MAX SELECTED MW	TURBINE EXHAUST MASS FLOW kg/s	FLUE GAS NO ppm	FLUE GAS CO ppm	FLUE GAS O2 %	FLUE GAS NO AT 7% O2 ppm	FLUE GAS NO AT 7% O2 ppm
01/06/2022 00:00:00	0.012706167	0	1.791752815	0.061056603	21.18196297	1.791752815	GT Shutdown
02/06/2022 00:00:00	0.012659922	0	1.490114689	0.171420455	21.24189568	1.490114689	GT Shutdown
03/06/2022 00:00:00	0.012061709	0	1.704729199	0.082251243	21.1631794	1.704729199	GT Shutdown
04/06/2022 00:00:00	0.011992577	0	1.866725802	0.078590721	21.18244362	1.866725802	GT Shutdown
05/06/2022 00:00:00	0.01237124	0	1.871767282	0.097352646	21.14659309	1.871767282	GT Shutdown
06/06/2022 00:00:00	0.011917116	0	1.724597931	0.128801346	21.17670631	1.724597931	GT Shutdown
07/06/2022 00:00:00	0.01163214	0	1.720021129	0.100972161	21.15804291	1.720021129	GT Shutdown
08/06/2022 00:00:00	0.011223254	0	1.724174023	0.136398792	21.18312073	1.724174023	GT Shutdown
09/06/2022 00:00:00	0.011499111	0	1.783261299	0.087159827	21.16440773	1.783261299	GT Shutdown
10/06/2022 00:00:00	0.012439396	0	1.697562337	0.08957351	21.17259979	1.697562337	GT Shutdown
11/06/2022 00:00:00	0.011591451	0	1.570501566	0.1388807	21.1848278	1.570501566	GT Shutdown
12/06/2022 00:00:00	0.010758113	0	1.638520002	0.067959473	21.16825676	1.638520002	GT Shutdown
13/06/2022 00:00:00	0.011468848	0	1.560763478	0.139309958	21.16911507	1.560763478	GT Shutdown
14/06/2022 00:00:00	0.012599595	0	1.837650657	0.021992154	21.16411591	1.837650657	GT Shutdown
15/06/2022 00:00:00	0.011972673	0	1.714265227	0.060750324	21.14492416	1.714265227	GT Shutdown
16/06/2022 00:00:00	0.011785767	0	1.579438329	0.156846076	21.15798569	1.579438329	GT Shutdown
17/06/2022 00:00:00	0.011313845	0	1.801268935	0.041232828	21.17086983	1.801268935	GT Shutdown
18/06/2022 00:00:00	0.011497034	0	1.617255211	0.095422797	21.14496803	1.617255211	GT Shutdown
19/06/2022 00:00:00	0.012433569	0	1.644707322	0.091937192	21.16088676	1.644707322	GT Shutdown
20/06/2022 00:00:00	0.012202644	0	1.590650678	0.133657724	21.17048645	1.590650678	GT Shutdown
21/06/2022 00:00:00	19.51818085	86.84732056	8.772120476	7.710579872	17.61559677	32.27723694	16.61
22/06/2022 00:00:00	21.49167824	86.11927032	5.662012577	8.699185371	17.6942482	17.90398788	14.78
23/06/2022 00:00:00	21.81324387	88.15781403	5.97672081	9.871130943	17.55421829	19.21029472	15.30
24/06/2022 00:00:00	20.98930931	86.22162628	5.644264221	12.29993057	17.63775826	18.2215786	15.64
25/06/2022 00:00:00	0.011529133	0	1.64247942	0.111745641	21.17935753	1.645108104	GT Shutdown
26/06/2022 00:00:00	0.012228758	0	1.779500365	0.041662578	21.1775856	1.779500365	GT Shutdown
27/06/2022 00:00:00	0.011970869	0	1.613868117	0.123323873	21.17846298	1.613868117	GT Shutdown
28/06/2022 00:00:00	0.012295962	0	1.746232867	0.086647533	21.18521309	1.746232867	GT Shutdown
29/06/2022 00:00:00	0.011845784	0	1.585181832	0.112371676	21.14659882	1.585181832	GT Shutdown
30/06/2022 00:00:00	20.3021183	88.00389099	7.654358864	10.91760063	17.28458214	26.16143417	15.32
Minimum	0.01	-	1.49	0.02	17.28	1.49	14.78
Average	3.48	14.51	2.53	1.73	20.57	5.20	15.53
Maximum	21.81	88.16	8.77	12.30	21.24	32.28	16.61

## CALIBRATION REPORT SLP

### Continuous Emission Monitoring System Two Point Calibration

Tag.no. CEMs 3 Description HRSG3 Stack Emission Measurements

Process System. SAMPLING SYSTEM SLP

Manufacturer SIEMENS

Type / Model ULTRAMAT 23

Serial no. -

NO measuring range 0 - 150 ppm CO measuring range 0 - 1000 ppm

NOx measuring range 0 - 150 ppm O<sub>2</sub> measuring range 0 - 25 %

#### STANDARD GAS CAL

Manufacturer Air Liquide America Standard Gas Conc

Laboratory 9-Dec-14 Expired Date 10-Dec-22 NO = 79.5 ppm

Cylinder No. CC452043 CO = 80.6 ppm

O<sub>2</sub> = 0 %

#### IR Calibration

Gas Componet	Gas Conc ( ppm )	As found ( ppm )	AS left ( ppm )	Asfound error ( % of FS )	Asleft error ( % of FS )
CO	0.00	0.00	0.00	0.00	0.00
CO	80.60	78.50	80.50	-2.61	-0.12
NO	0.00	0.00	0.00	0.00	0.00
NO	79.50	78.30	79.40	-1.51	-0.13

#### O<sub>2</sub> Calibration

Gas Componet	Gas Conc ( % )	As found ( % )	AS left ( % )	Asfound error ( % of FS )	Asleft error ( % of FS )
O <sub>2</sub>	0.00	0.00	0.00	0.00	0.00
O <sub>2</sub>	20.90	20.90	20.90	0.00	0.00

Calibration date. 25/2/2022

Accuracy Target 1%

Resulted PASSED

Calibrated by. Mr. Kitipum(Engineer)

Approved by.

## CALIBRATION REPORT SLP

### Continuous Emission Monitoring System Two Point Calibration

Tag.no. CEMs 3 Description HRSG3 Stack Emission Measurements  
 Process System. SAMPLING SYSTEM SLP  
 Manufacturer SIEMENS  
 Type / Model ULTRAMAT 23  
 Serial no. -

NO measuring range 0 - 150 ppm CO measuring range 0 - 1000 ppm  
 NOx measuring range 0 - 150 ppm O<sub>2</sub> measuring range 0 - 25 %

#### STANDARD GAS CAL

Manufacturer Air Liquide America Standard Gas Conc  
 Laboratory 9-Dec-14 Expired Date 10-Dec-22 NO = 79.5 ppm  
 Cylinder No. CC452043 CO = 80.6 ppm  
 O<sub>2</sub> = 0 %

#### IR Calibration

Gas Componet	Gas Conc ( ppm )	As found ( ppm )	AS left ( ppm )	Asfound error ( % of FS )	Asleft error ( % of FS )
CO	0.00	0.00	0.00	0.00	0.00
CO	80.60	80.50	80.60	-0.12	0.00
NO	0.00	0.00	0.00	0.00	0.00
NO	79.50	81.20	79.60	2.14	0.13

#### O<sub>2</sub> Calibration

Gas Componet	Gas Conc ( % )	As found ( % )	AS left ( % )	Asfound error ( % of FS )	Asleft error ( % of FS )
O <sub>2</sub>	0.00	0.00	0.00	0.00	0.00
O <sub>2</sub>	20.90	20.90	20.90	0.00	0.00

Calibration date. 28/4/2022

Accuracy Target 1%

Resulted PASSED

Calibrated by. Mr. Kitipum(Engineer)

Approved by.



## CALIBRATION REPORT SLP

### Continuous Emission Monitoring System Two Point Calibration

Tag.no. CEMs 3 Description HRSG3 Stack Emission Measurements

Process System. SAMPLING SYSTEM SLP

Manufacturer SIEMENS

Type / Model ULTRAMAT 23

Serial no. -

NO measuring range 0 - 150 ppm CO measuring range 0 - 1000 ppm

NOx measuring range 0 - 150 ppm O<sub>2</sub> measuring range 0 - 25 %

#### STANDARD GAS CAL

Manufacturer Air Liquide America Standard Gas Conc

Laboratory 9-Dec-14 Expired Date 10-Dec-22 NO = 79.5 ppm

Cylinder No. CC452043 CO = 80.6 ppm

O<sub>2</sub> = 0 %

#### IR Calibration

Gas Componet	Gas Conc ( ppm )	As found ( ppm )	AS left ( ppm )	Asfound error ( % of FS )	Asleft error ( % of FS )
CO	0.00	0.00	0.00	0.00	0.00
CO	80.60	79.90	80.60	-0.87	0.00
NO	0.00	0.00	0.00	0.00	0.00
NO	79.50	80.60	79.40	1.38	-0.13

#### O<sub>2</sub> Calibration

Gas Componet	Gas Conc ( % )	As found ( % )	AS left ( % )	Asfound error ( % of FS )	Asleft error ( % of FS )
O <sub>2</sub>	0.00	0.00	0.00	0.00	0.00
O <sub>2</sub>	20.90	20.90	20.90	0.00	0.00

Calibration date. 30/6/2022

Accuracy Target 1%

Resulted PASSED

Calibrated by. Mr. Kitipum(Engineer)

Approved by.

Request No. LA64-R1142

Report No. R6411-1571

## TEST REPORT

CUSTOMER : บริษัท บี.กริม เพาเวอร์ (แหลมฉบัง) 2 จำกัด  
ADDRESS : 205/7 หมู่ 3 ต. สุขุมวิท ต.ทุ่งสุขลา อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : โรงไฟฟ้าขนาด 60 เมกกะวัตต์  
SAMPLE POINT : HRSG #3 Stack  
SAMPLING DATE : 09/11/2021  
REPORTED DATE : 16/11/2021

SAMPLE No. : 26842  
PARAMETER : Oxides of Nitrogen  
SAMPLING TIME : 09:01 - 15:00

Relative Accuracy Determination for CEMs

Run No.	Time		NO <sub>x</sub> (ppm)		NO <sub>x</sub> (ppm)		
			Instrument RM	CEMs Reading	Instrument RM	CEMs Reading	Diff.
	Start	End	Actual O <sub>2</sub>		7% O <sub>2</sub>		
1	09:01	09:30	5.25	6.72	16.11	19.22	-3.11
2	09:31	10:00	4.97	6.71	15.35	19.23	-3.88
3	10:01	10:30	4.88	6.35	15.01	18.27	-3.27
4	10:31	11:00	4.91	6.21	15.17	17.91	-2.74
5	11:01	11:30	4.62	6.25	14.18	17.95	-3.77
6	11:31	12:00	4.16	5.70	12.74	16.24	-3.50
7	12:01	12:30	3.31	3.06	10.09	8.49	1.60
8	12:31	13:00	3.34	3.18	10.14	8.89	1.24
9	13:01	13:30	4.24	5.39	12.54	14.87	-2.33
10	13:31	14:00	4.08	3.24	11.53	8.48	3.05
11	14:01	14:30	4.17	2.87	11.71	7.53	4.18
12	14:31	15:00	4.15	2.42	11.61	6.32	5.28
Average			4.34	4.84	13.01	13.62	0.60
Confidence Coefficient							2.18
Relative Accuracy							7.88

Performance Specification : RA

10% \*\*

\*\* 20% of Emission Standard Value (NO<sub>x</sub> = 35.3 ppm @ 7% O<sub>2</sub>)Approved By 

(MR. THONGCHAI BOONSAK)

16/11/2021

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Request No. LA64-R1142

Report No. R6411-1572

## TEST REPORT

CUSTOMER : บริษัท บี.กริม เพาเวอร์ (แหลมฉบัง) 2 จำกัด  
ADDRESS : 205/7 หมู่ 3 ถ. สุขุมวิท ต. พังสุชล อ. ศรีราชา จ. ชลบุรี 20230  
SAMPLE SOURCE : โรงไฟฟ้าขนาด 60 เมกกะวัตต์  
SAMPLE POINT : HRSG #3 Stack  
SAMPLING DATE : 09/11/2021  
REPORTED DATE : 16/11/2021  
SAMPLE No. : 26843  
PARAMETER : Carbon Monoxide  
SAMPLING TIME : 09:01 - 15:00

Relative Accuracy Determination for CEMs

Run No.	Time		CO (ppm)		CO (ppm)		
			Instrument RM	CEMs Reading	Instrument RM	CEMs Reading	Diff.
	Start	End	Actual O <sub>2</sub>		7% O <sub>2</sub>		
1	09:01	09:30	1.76	1.20	5.40	3.43	1.97
2	09:31	10:00	1.80	1.08	5.56	3.10	2.46
3	10:01	10:30	4.50	4.86	13.84	13.99	-0.15
4	10:31	11:00	1.56	0.65	4.82	1.87	2.94
5	11:01	11:30	1.71	0.61	5.25	1.75	3.50
6	11:31	12:00	1.66	8.79	5.08	25.04	-19.95
7	12:01	12:30	31.24	48.82	95.23	135.45	-40.22
8	12:31	13:00	31.62	45.25	95.96	126.55	-30.59
9	13:01	13:30	5.47	8.81	16.18	24.30	-8.12
10	13:31	14:00	20.99	30.81	59.30	80.65	-21.35
11	14:01	14:30	20.09	29.22	56.41	76.63	-20.22
12	14:31	15:00	20.72	30.42	57.95	79.48	-21.53
Average			11.93	17.54	35.08	47.69	-12.61
Confidence Coefficient							9.52
Ralative Accuracy							3.21

Performance Specification : RA

10% \*\*

\*\* 10% of Emission Standard Value (CO = 690 ppm @ 7% O<sub>2</sub>)Approved By Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/11/2021

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

WITHOUT THE WRITTEN APPROVAL LABORATORY

COPY

Request No. LA64-R1142

Report No. R6411-1573

## TEST REPORT

CUSTOMER : บริษัท บี.กริม เพาเวอร์ (แหลมฉบัง) 2 จำกัด  
 ADDRESS : 205/7 หมู่ 3 ต. สุขุมวิท ต. ห้วยสุลา อ. ศรีราชา จ. ชลบุรี 20230  
 SAMPLE SOURCE : โรงไฟฟ้าขนาด 60 เมกกะวัตต์  
 SAMPLE POINT : HRSG #3 Stack  
 SAMPLING DATE : 09/11/2021  
 REPORTED DATE : 16/11/2021  
 SAMPLE No. : 26844  
 PARAMETER : Oxygen  
 SAMPLING TIME : 09:01 - 15:00

Relative Accuracy Determination for CEMs

Run No.	Time		O <sub>2</sub>			Load (MW)
			Instrument RM	CEMs Reading	Diff.	
	Start	End	%Dry			
1	09:01	09:30	16.37	16.04	0.33	34.10
2	09:31	10:00	16.40	16.05	0.35	34.00
3	10:01	10:30	16.38	16.07	0.31	33.84
4	10:31	11:00	16.40	16.08	0.32	34.05
5	11:01	11:30	16.37	16.06	0.31	34.09
6	11:31	12:00	16.36	16.02	0.34	33.70
7	12:01	12:30	16.34	15.89	0.45	28.82
8	12:31	13:00	16.32	15.93	0.39	30.36
9	13:01	13:30	16.20	15.86	0.34	35.20
10	13:31	14:00	15.98	15.59	0.39	38.23
11	14:01	14:30	15.95	15.60	0.35	38.26
12	14:31	15:00	15.93	15.58	0.35	38.21
Average			16.25	15.90	0.35	
Confidence Coefficient					-	
Ralative Accuracy					0.35	

Performance Specification : RA

Approved By Thongchai Boonsak

(MR. THONGCHAI BOONSAK)

16/11/2021

REPORTED TEST REFER TO SUBMITTED SAMPLES ONLY

THIS REPORT SHALL NOT REPRODUCED EXCEPT IN FULL

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