

Dr Johan Schoeman
Air Quality Management Services
Eden District Municipality
PO Box 12
GEORGE
6530

Date:
11 July 2022

Enquiries:
021 573 6162

Ref: GOU/2022/06

Dear Dr Schoeman

GOURIKWA POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF JUNE 2022

This serves as the monthly report required in terms of Section 9 in Gourikwa Power Station's Atmospheric Emission License (WCED013). The report addresses the period from 1-30 June 2022 and covers Particulate Matter, CO SO₂ and NO_x (as NO₂) emissions.

1. Raw Materials and Products

Table 1: Quantity of Raw Materials and Products used/produced in Normal Operation

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Total consumption for the Month in litres
	Fuel Oil/diesel	Tons/hour/unit	40	45 109 066.26
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted (Quantity)	Total Production/Power sent out for the Month (MWh)
	Energy	MWh/unit	170	147825.72
	Fuel use per hour per unit (L)	Fuel Efficiency: Litre per MWh		
	Unit 11: 26 321.85 Unit 12: 34 092.93 Unit 13: 34 463.79 Unit 21: 34 990.65 Unit 22: 35 983.41		Unit 11:321.46 Unit 12:305.84 Unit 13:293.46 Unit 21:311.06 Unit 22:307.83	

Generation Division
Peaking Business Unit
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2. Abatement Technology

Table 2: Abatement Equipment Control Technology utilisation for the month June

Associated Unit/Stack	Technology Type	Actual Utilisation (%) for the month
Unit 11	Low NOx burners	100%
Unit 12	Low NOx burners	100%
Unit 13	Low NOx burners	100%
Unit 21	Low NOx burners	100%
Unit 22	Low NOx burners	100%

3. Emissions Reporting

Table 3: Total monthly emission rates and Licence limits

	Date & time	CO (mg/N m ³)	NO _x (mg/Nm ³)	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)
Hourly Licence Limit mg/Nm³			250	50	500
Unit 11	2022/06/01 18:00	9.4	217	0.1	0.6
	2022/06/01 19:00	8	210	0.1	0.5
	2022/06/01 20:00	16.3	163	0.1	0.3
	2022/06/01 21:00	19	164	0.1	0.6
	2022/06/01 22:00	22.8	152	0.1	0.2
	2022/06/02 18:00	6.1	227	0.1	0.2
	2022/06/02 19:00	4.9	219	0.1	0.2
	2022/06/02 20:00	8.9	187	0.1	0.7
	2022/06/02 21:00	19.3	148	0.1	0.3
	2022/06/03 07:00	11.6	235	0.1	0.7
	2022/06/16 18:00	0.9	171	0.1	0
	2022/06/16 19:00	0.8	169	0.1	0.1
	2022/06/16 20:00	0.7	166	0.1	0.1
	2022/06/16 21:00	0.6	164	0.1	0
	2022/06/16 22:00	0.6	162	0.1	0.1
	2022/06/17 12:00	5.9	171	0.1	2.2
	2022/06/17 19:00	13.9	233	0.1	0.3
	2022/06/17 20:00	14.4	225	0.1	0.3
	2022/06/18 18:00	36.5	227	0.1	1.1
	2022/06/18 19:00	25.5	226	0.1	0.5
	2022/06/18 20:00	28.2	213	0.1	0.1
	2022/06/18 21:00	49.8	183	0.1	0

	2022/06/19 10:00	42.9	198	0.1	0.2
	2022/06/19 11:00	60.7	169	0.1	4.2
	2022/06/19 12:00	32.6	217	0.1	1.1
	2022/06/19 13:00	31.2	218	0.1	2.8
	2022/06/19 14:00	30.7	221	0.1	3.2
	2022/06/19 15:00	36.1	212	0.1	3.5
	2022/06/19 16:00	53.7	178	0.1	1.2
	2022/06/19 17:00	30	215	0.1	1.1
	2022/06/19 18:00	32.9	207	0.1	0.8
	2022/06/19 19:00	69.2	153	0.1	0.3
	2022/06/19 20:00	74.4	147	0.1	0
	2022/06/19 22:00	33	170	0.1	0
Unit 12	2022/06/01 19:00	0.3	138	0	0
	2022/06/01 20:00	2.4	119	0.4	0
	2022/06/01 21:00	2.4	118	0.2	2
	2022/06/01 22:00	1.8	115	0.1	2
	2022/06/02 19:00	0	140	0	0
	2022/06/02 20:00	2.2	123	0	0
	2022/06/03 07:00	2.1	154	0.4	2
	2022/06/03 08:00	1.1	143	0.4	1
	2022/06/03 18:00	1	142	0	0
	2022/06/03 19:00	0	141	0	0
	2022/06/03 20:00	2.1	138	0	0
	2022/06/03 21:00	1.5	140	0	2
	2022/06/03 22:00	0.5	112	0	0
	2022/06/04 19:00	0.9	119	0.1	1
	2022/06/05 19:00	0	133	0	0
	2022/06/06 20:00	1.6	145	0	0
	2022/06/07 18:00	0.8	154	0	0
	2022/06/07 19:00	0	143	0	0
	2022/06/07 20:00	2	144	0	0
	2022/06/07 21:00	2.1	134	0	2
	2022/06/08 19:00	0	149	0	0
	2022/06/08 20:00	2	130	0.1	0
	2022/06/08 21:00	2.2	122	0.2	2
	2022/06/09 18:00	1.2	139	0.1	1
	2022/06/09 19:00	0.3	137	0	0

	2022/06/09 20:00	2.4	136	0.3	0
	2022/06/10 19:00	0	128	0	0
	2022/06/10 20:00	2.1	124	0	0
	2022/06/11 19:00	0.7	156	0	1
	2022/06/12 18:00	0.8	154	0.2	0
	2022/06/12 19:00	0	149	0	0
	2022/06/12 20:00	2.5	139	0.2	0
	2022/06/13 11:00	1.5	142	0.3	1
	2022/06/13 12:00	3.4	135	0.9	3
	2022/06/13 13:00	1.4	147	0.2	1
	2022/06/13 14:00	0.7	141	0	1
	2022/06/13 15:00	0.9	143	0	1
	2022/06/13 16:00	1.3	134	0.2	1
	2022/06/13 17:00	2.2	127	0.3	2
	2022/06/13 18:00	1.5	129	0	1
	2022/06/13 19:00	1.5	116	0.2	1
	2022/06/13 20:00	1.5	119	0.4	1
	2022/06/13 21:00	3	110	0.2	3
	2022/06/13 22:00	3.2	107	0.2	3
	2022/06/14 11:00	1.7	161	0.3	2
	2022/06/14 17:00	0.6	158	0.1	1
	2022/06/14 18:00	0	158	0	0
	2022/06/14 19:00	0	158	0	0
	2022/06/14 20:00	2.4	159	0	0
	2022/06/14 21:00	2.5	148	0	2
	2022/06/15 15:00	6.8	130	1.6	4
	2022/06/15 16:00	4.6	143	1	4
	2022/06/15 17:00	2.2	169	0.4	2
	2022/06/15 18:00	2.7	170	0.5	3
	2022/06/15 19:00	2.3	170	0.5	2
	2022/06/15 20:00	2.1	171	0.4	2
	2022/06/15 21:00	2.5	149	0.3	2
	2022/06/15 22:00	2.6	126	0.2	2
	2022/06/16 18:00	0.4	169	0	0
	2022/06/16 19:00	0	166	0	0
	2022/06/16 20:00	2.4	165	0	0
	2022/06/16 21:00	2.4	162	0	2
	2022/06/16 22:00	2.5	162	0	3
	2022/06/17 18:00	1.2	182	0	1

	2022/06/17 19:00	0.5	180	0	0
	2022/06/17 20:00	1.3	178	0.1	1
	2022/06/18 18:00	3	174	0.3	3
	2022/06/18 19:00	0.9	153	0.1	1
	2022/06/18 20:00	1.3	147	0.5	1
	2022/06/18 21:00	4.1	129	0.6	3
	2022/06/19 09:00	2.3	154	0.2	2
	2022/06/19 10:00	1.9	142	0.2	2
	2022/06/19 11:00	2.4	133	0.3	2
	2022/06/19 12:00	3.6	151	0.6	3
	2022/06/19 13:00	3.6	146	0.4	3
	2022/06/19 14:00	4.5	136	0.6	4
	2022/06/19 15:00	4.4	149	0.8	4
	2022/06/19 16:00	3.6	152	0.4	3
	2022/06/19 17:00	2.9	156	0.7	3
	2022/06/19 18:00	3	141	1	3
	2022/06/19 19:00	2.5	139	0.9	2
	2022/06/19 20:00	2.5	148	0.6	2
	2022/06/19 21:00	2.8	132	0.4	2
	2022/06/19 22:00	3.3	136	0.2	3
	2022/06/20 10:00	1.9	163	0.1	2
	2022/06/20 11:00	2.5	149	0.1	2
	2022/06/20 12:00	4	149	0.3	4
	2022/06/20 13:00	3.4	140	0.3	3
	2022/06/20 14:00	3.9	143	0.3	4
	2022/06/20 15:00	3.9	156	0.5	4
	2022/06/20 16:00	3.1	155	0.4	3
	2022/06/20 17:00	2.7	156	0.3	3
	2022/06/20 18:00	3.1	136	0.2	3
	2022/06/20 19:00	2.6	147	0.2	3
	2022/06/20 20:00	2.4	132	0.3	2
	2022/06/20 21:00	1.5	147	0	1
	2022/06/20 22:00	1.6	149	0.3	2
	2022/06/21 08:00	2.1	160	0.6	2
	2022/06/21 09:00	2.6	135	0.4	2
	2022/06/21 10:00	2.9	133	0.5	3
	2022/06/21 11:00	1.9	124	0.3	2
	2022/06/21 12:00	3.4	143	0.4	3
	2022/06/21 13:00	3.5	147	0.9	3

	2022/06/21 14:00	3.9	147	0.7	4
	2022/06/21 15:00	5.5	149	1.7	5
	2022/06/21 17:00	2.7	148	0	3
	2022/06/21 18:00	3.1	144	0.1	3
	2022/06/21 19:00	2.2	124	0	2
	2022/06/21 20:00	2	134	0.1	2
	2022/06/21 21:00	2	122	0.2	2
	2022/06/21 22:00	2.2	127	0.1	2
	2022/06/22 08:00	2.2	168	0.6	2
	2022/06/22 09:00	2.4	163	0.2	2
	2022/06/22 10:00	2.5	159	0.1	3
	2022/06/22 11:00	4.2	145	0.4	4
	2022/06/22 12:00	5.2	136	0.9	5
	2022/06/22 13:00	3.7	145	0.1	3
	2022/06/22 14:00	4.4	140	0.2	4
	2022/06/22 15:00	4.1	143	0.2	4
	2022/06/22 16:00	3.8	130	0.3	3
	2022/06/22 18:00	2.4	134	0.2	2
	2022/06/22 19:00	2.1	125	0.3	2
	2022/06/22 20:00	2.1	142	0.1	2
	2022/06/22 21:00	2.4	155	0	2
	2022/06/22 22:00	2.5	150	0	2
	2022/06/23 10:00	1.9	163	0.6	2
	2022/06/23 11:00	1.7	161	0.4	2
	2022/06/23 12:00	2.5	149	0.6	2
	2022/06/23 13:00	2.5	141	0.8	2
	2022/06/23 14:00	2.8	145	1.1	3
	2022/06/23 15:00	2.7	137	1.2	2
	2022/06/23 16:00	2.5	126	0.9	2
	2022/06/23 18:00	2.8	145	0.2	3
	2022/06/23 19:00	3.1	137	0.4	3
	2022/06/23 20:00	2.7	152	0.4	3
	2022/06/23 21:00	2.4	163	0.5	2
	2022/06/23 22:00	2.1	133	0.3	2
	2022/06/24 08:00	1.9	180	0.6	2
	2022/06/24 09:00	2	175	0	2
	2022/06/24 10:00	2.1	175	0.2	2
	2022/06/24 11:00	2.6	171	0	3
	2022/06/24 12:00	3.4	147	0.2	3

	2022/06/24 13:00	3.1	146	0.3	3
	2022/06/24 14:00	3.8	141	0.5	3
	2022/06/24 15:00	6.1	128	0.6	4
	2022/06/24 16:00	4.3	146	0.8	4
	2022/06/24 18:00	2.6	159	0.2	3
	2022/06/24 19:00	1.7	137	0.1	1
	2022/06/24 20:00	1.6	141	1.4	0
	2022/06/24 21:00	3.3	128	0	3
	2022/06/24 22:00	1	132	0	1
	2022/06/25 12:00	2.8	180	0.6	3
	2022/06/25 13:00	2.9	160	0	3
	2022/06/25 18:00	0.7	171	0.1	1
	2022/06/25 19:00	0	153	0	0
	2022/06/25 20:00	2.4	128	0.3	0
	2022/06/25 21:00	2.5	139	0.3	2
	2022/06/25 22:00	2.2	137	0.2	2
	2022/06/26 10:00	0.6	140	0	1
	2022/06/26 11:00	1.2	137	0	1
	2022/06/26 12:00	6.4	115	1	4
	2022/06/26 13:00	9.3	118	1.8	6
	2022/06/26 17:00	1.7	138	0	1
	2022/06/26 18:00	0	136	0	0
	2022/06/26 19:00	0.5	137	0	0
	2022/06/26 20:00	2.4	136	0.4	0
	2022/06/26 21:00	2.6	131	0.3	2
	2022/06/26 22:00	2.3	139	0.4	2
	2022/06/27 18:00	2.7	168	0.1	3
	2022/06/27 19:00	1.1	169	0.1	1
	2022/06/27 20:00	1.1	167	0	1
	2022/06/27 21:00	5.3	115	0.7	3
	2022/06/27 22:00	5.9	119	0	4
	2022/06/27 23:00	2.5	163	0	2
	2022/06/28 03:00	2.9	179	0.8	3
	2022/06/28 04:00	1.9	176	0.2	2
	2022/06/28 05:00	3.3	177	0.3	3
	2022/06/28 06:00	4.3	165	0.3	4
	2022/06/28 07:00	4	156	0.3	4
	2022/06/28 08:00	3.1	153	0.4	3
	2022/06/28 09:00	1.7	146	0	2

	2022/06/28 10:00	1.2	149	0	1
	2022/06/28 11:00	2.3	161	0	2
	2022/06/28 13:00	4.6	174	0.9	4
	2022/06/28 14:00	7	177	2.4	7
	2022/06/28 15:00	8.3	176	3.7	8
	2022/06/28 17:00	2.2	169	0.2	2
	2022/06/28 18:00	0.6	168	0	1
	2022/06/28 19:00	0	153	0	0
	2022/06/28 20:00	2.1	151	0.3	0
	2022/06/28 21:00	2.2	159	0.1	2
	2022/06/29 09:00	1.5	180	0.5	2
	2022/06/29 10:00	1.3	176	0	1
	2022/06/29 11:00	2.9	145	0.1	3
	2022/06/29 12:00	6.2	126	0.3	4
	2022/06/29 13:00	5.2	162	1	5
	2022/06/29 14:00	6.7	172	2.3	6
	2022/06/29 15:00	8.3	170	3.9	8
	2022/06/29 17:00	2.8	135	0.2	2
	2022/06/29 18:00	0.8	154	0.1	1
	2022/06/29 19:00	0	157	0	0
	2022/06/29 20:00	2.2	166	0	0
	2022/06/29 21:00	1.9	164	0	2
	2022/06/29 22:00	1	151	0	1
	2022/06/29 23:00	0.4	149	0	0
	2022/06/30	1.2	145	0.1	1
	2022/06/30 06:00	1.2	163	0.1	1
	2022/06/30 07:00	0.7	159	0	1
	2022/06/30 08:00	1	161	0	1
	2022/06/30 09:00	1.6	154	0	1
	2022/06/30 10:00	1.4	154	0	1
	2022/06/30 11:00	3.1	152	0	3
	2022/06/30 12:00	4.5	150	0.1	4
	2022/06/30 13:00	4.9	159	0.6	4
	2022/06/30 14:00	9.8	134	1.9	6
	2022/06/30 15:00	11.2	133	2.6	7
	2022/06/30 16:00	8.8	132	2.8	5
	2022/06/30 18:00	0.2	160	0	0
	2022/06/30 19:00	0	143	0	0
	2022/06/30 20:00	1.8	147	0.3	0

	2022/06/30 21:00	1.2	148	0.3	1
	2022/06/30 22:00	0.5	145	0	0
	2022/06/01 19:00	0.3	138	0	0
Unit 13	2022/06/02 20:00	0	9	0.1	0.6
	2022/06/03 08:00	0.5	17	0.1	4.2
	2022/06/03 18:00	0	16	0.1	0.2
	2022/06/03 19:00	0.4	16	0.1	2.2
	2022/06/03 20:00	0.3	140	0.1	0.8
	2022/06/03 21:00	0.3	140	0.1	0
	2022/06/03 22:00	0.9	141	0.1	0.8
	2022/06/04 19:00	1.2	114	0.1	4
	2022/06/05 19:00	0.8	131	0.1	0.1
	2022/06/06 18:00	0.2	143	0.1	0
	2022/06/06 19:00	0.8	144	0.1	0.3
	2022/06/06 20:00	0.8	144	0.1	0.2
	2022/06/06 21:00	0	143	0.1	0
	2022/06/07 18:00	1.7	157	0.1	0.3
	2022/06/07 19:00	1.8	154	0.1	1.7
	2022/06/07 20:00	1.2	158	0.1	0.4
	2022/06/07 21:00	1.1	129	0.1	1.9
	2022/06/08 19:00	1.8	144	0.1	5.9
	2022/06/08 20:00	0.4	107	0.1	1.3
	2022/06/09 18:00	1.7	132	0.1	3
	2022/06/09 19:00	0.9	133	0.1	2.4
	2022/06/09 20:00	0.8	130	0.1	1.2
	2022/06/10 19:00	0	137	0.1	3.3
	2022/06/11 19:00	0.8	144	0.1	1.1
	2022/06/12 18:00	1.1	141	0.1	0.9
	2022/06/12 19:00	0.1	138	0.1	0.9
	2022/06/12 20:00	0.5	130	0.1	1.1
	2022/06/13 11:00	3.6	159	0.1	2.4
	2022/06/13 12:00	1.2	150	0.1	2.1
	2022/06/13 13:00	0.3	152	0.1	0
	2022/06/13 14:00	0.2	142	0.1	0
	2022/06/13 15:00	0.3	142	0.1	0
	2022/06/13 16:00	2.2	140	0.1	2.8
	2022/06/13 17:00	1.1	128	0.1	1.2

	2022/06/13 18:00	0.9	132	0.1	0.9
	2022/06/13 19:00	1.3	120	0.1	1.6
	2022/06/13 21:00	0.8	106	0.1	0.5
	2022/06/13 22:00	1.1	107	0.1	0.2
	2022/06/14 11:00	1.9	148	0.1	2
	2022/06/14 16:00	0.8	140	0.1	0.9
	2022/06/14 17:00	0.6	134	0.1	4.2
	2022/06/14 18:00	0.1	132	0.1	2.8
	2022/06/14 19:00	0	127	0.1	1.4
	2022/06/14 20:00	1.6	141	0.1	3.6
	2022/06/14 21:00	0.6	128	0.1	1.5
	2022/06/15 08:00	1.1	145	0.1	0.7
	2022/06/15 09:00	1.6	148	0.1	2.6
	2022/06/15 10:00	0.8	146	0.1	1.6
	2022/06/15 11:00	0.9	145	0.1	0.8
	2022/06/15 12:00	2	140	0.1	2.6
	2022/06/15 13:00	2.3	127	0.1	1.7
	2022/06/15 14:00	2.3	118	0.1	1.8
	2022/06/15 15:00	3	106	0.1	4.1
	2022/06/15 16:00	0.9	127	0.1	0.8
	2022/06/15 17:00	1.6	143	0.1	3.1
	2022/06/15 18:00	1.1	143	0.1	1.1
	2022/06/15 20:00	0.7	140	0.1	1.3
	2022/06/15 21:00	0.3	125	0.1	0.7
	2022/06/15 22:00	0.5	108	0.1	0.8
	2022/06/16 18:00	0.9	141	0.1	4.3
	2022/06/16 19:00	0.1	139	0.1	2.9
	2022/06/16 20:00	1.3	150	0.1	3
	2022/06/16 21:00	1.7	152	0.1	0.4
	2022/06/16 22:00	1.8	152	0.1	0.7
	2022/06/17 18:00	0.7	154	0.1	0.6
	2022/06/17 19:00	0.1	151	0.1	0.4
	2022/06/17 20:00	0.4	154	0.1	0
	2022/06/18 19:00	0.9	128	0	1.5
	2022/06/18 20:00	0.5	119	0	0.7
	2022/06/18 21:00	0.6	107	0	0.4
	2022/06/19 10:00	0.3	126	0	0.6
	2022/06/19 11:00	0	110	0	0.1
	2022/06/19 12:00	1.8	138	0	0.5

	2022/06/19 13:00	1.7	132	0	2.2
	2022/06/19 14:00	1.3	123	0	0.1
	2022/06/19 15:00	1.8	135	0	0
	2022/06/19 16:00	0.4	135	0	0.1
	2022/06/19 20:00	0.6	137	0	1.3
	2022/06/19 21:00	1	138	0	1.4
	2022/06/19 22:00	0.8	125	0	0
	2022/06/20 10:00	0.6	135	0	1.8
	2022/06/20 11:00	0.4	133	0	0.2
	2022/06/20 12:00	0.5	141	0	0.3
	2022/06/20 13:00	0	142	0	0
	2022/06/20 14:00	0.3	144	0	0
	2022/06/20 15:00	0.9	145	0	0
	2022/06/20 16:00	0.5	132	0	0.7
	2022/06/20 17:00	0.4	129	0	0.7
	2022/06/20 18:00	0.5	128	0	1.3
	2022/06/20 19:00	0.2	127	0	1.1
	2022/06/20 20:00	1	134	0	0.6
	2022/06/20 21:00	1.7	138	0	3.2
	2022/06/20 22:00	0.6	130	0	0.4
	2022/06/21 09:00	0.6	131	0	1.5
	2022/06/21 10:00	0.5	130	0	1.4
	2022/06/21 11:00	0.1	128	0	0.3
	2022/06/21 12:00	0.8	134	0	0.9
	2022/06/21 13:00	0.9	137	0	1.2
	2022/06/21 14:00	1.3	137	0	0.7
	2022/06/21 15:00	1.6	138	0	0.8
	2022/06/21 16:00	0.6	131	0	1
	2022/06/21 18:00	0.7	125	0	1.4
	2022/06/21 19:00	0.7	126	0	1.5
	2022/06/21 20:00	1.3	129	0	2.2
	2022/06/21 21:00	1.4	131	0	2
	2022/06/21 22:00	2.5	129	0	2.1
	2022/06/22 08:00	1.6	135	0	2.4
	2022/06/22 09:00	0.7	130	0	0.7
	2022/06/22 10:00	0.9	129	0	0.6
	2022/06/22 11:00	1.6	130	0	0.6
	2022/06/22 12:00	1.2	129	0	1.2
	2022/06/22 13:00	1.2	130	0	1.2

	2022/06/22 14:00	1.3	133	0	1.2
	2022/06/22 15:00	1.3	132	0	1.2
	2022/06/22 16:00	1.2	132	0	0.4
	2022/06/22 18:00	1.4	129	0	0.3
	2022/06/22 19:00	2	134	0	0.8
	2022/06/22 20:00	0.3	129	0	0.4
	2022/06/22 21:00	0.5	131	0	0.4
	2022/06/22 22:00	0.6	134	0	0.5
	2022/06/23 10:00	0.7	130	0	1.4
	2022/06/23 11:00	0	126	0	0.5
	2022/06/23 12:00	1.1	129	0	1.6
	2022/06/23 13:00	0.7	128	0	2.9
	2022/06/23 14:00	0.6	129	0	4.2
	2022/06/23 15:00	0.4	127	0	4
	2022/06/23 16:00	1.1	131	0	2
	2022/06/23 18:00	1	129	0	2.6
	2022/06/23 19:00	0.8	130	0	2.7
	2022/06/23 20:00	0.5	132	0	0.9
	2022/06/23 21:00	0.4	131	0	0.2
	2022/06/23 22:00	0.3	129	0	0.2
	2022/06/24 08:00	1	148	0	0.8
	2022/06/24 09:00	0	135	0	0
	2022/06/24 10:00	0	136	0	0
	2022/06/24 11:00	0	132	0	0
	2022/06/24 12:00	1.1	140	0	0.4
	2022/06/24 13:00	1.3	144	0	0.7
	2022/06/24 14:00	1	108	0	0.4
	2022/06/24 15:00	1.4	107	0	0.3
	2022/06/24 16:00	1.3	115	0	0.8
	2022/06/24 17:00	1.4	140	0	1.2
	2022/06/24 19:00	1.3	145	0	2.7
	2022/06/24 20:00	1	144	0	1.1
	2022/06/24 21:00	0.9	144	0	0.8
	2022/06/24 22:00	1.4	144	0	1.1
	2022/06/25 10:00	1.6	147	0	2.5
	2022/06/25 11:00	1.2	146	0	0.8
	2022/06/25 12:00	1	140	0	0.9
	2022/06/25 13:00	1.1	140	0	0.8
	2022/06/25 14:00	1.4	138	0	1.9

	2022/06/25 17:00	0.8	140	0	1.8
	2022/06/25 18:00	0.3	133	0	0.5
	2022/06/25 19:00	0	132	0	0
	2022/06/25 20:00	1.8	142	0	3.1
	2022/06/25 21:00	1.5	142	0	5
	2022/06/25 22:00	1	140	0	3.9
	2022/06/26 10:00	1.3	115	0	3.8
	2022/06/26 17:00	0.5	126	0	0.5
	2022/06/26 18:00	0	127	0	2
	2022/06/26 19:00	0	129	0	2.8
	2022/06/26 20:00	0.9	140	0	0.1
	2022/06/26 21:00	1.4	139	0	0.6
	2022/06/26 22:00	1.8	143	0	0.6
	2022/06/27 19:00	0.7	132	0	4.1
	2022/06/27 20:00	1.2	137	0	0.8
	2022/06/27 21:00	1.1	104	0	1
	2022/06/27 22:00	1.1	107	0	1.7
	2022/06/27 23:00	1.2	137	0	1.7
	2022/06/28	0.6	119	0	1
	2022/06/28 01:00	0	133	0	0.1
	2022/06/28 02:00	0	134	0	0.6
	2022/06/28 03:00	0	140	0	0
	2022/06/28 05:00	1.1	151	0	0.4
	2022/06/28 06:00	0.5	141	0	0.3
	2022/06/28 07:00	0.5	114	0	0.4
	2022/06/28 08:00	0.7	128	0	2
	2022/06/28 09:00	0.6	142	0	3.3
	2022/06/28 10:00	0.3	141	0	4.1
	2022/06/28 11:00	0	140	0	2.2
	2022/06/28 12:00	1.5	153	0	0
	2022/06/28 13:00	4	160	0	0.1
	2022/06/28 14:00	5.4	163	0	0.3
	2022/06/28 15:00	5.5	163	0	0.5
	2022/06/28 16:00	0.8	149	0	0.1
	2022/06/28 18:00	0.8	146	0	0.2
	2022/06/28 19:00	0.8	149	0	0.7
	2022/06/28 20:00	0.5	148	0	0.3
	2022/06/29 09:00	1.1	144	0	0.9
	2022/06/29 10:00	0	136	0	0

	2022/06/29 11:00	0	138	0	0
	2022/06/29 12:00	1.5	121	0	0.4
	2022/06/29 13:00	2.3	144	0	0.4
	2022/06/29 14:00	2.9	152	0	0.5
	2022/06/29 15:00	3.4	152	0	0.7
	2022/06/29 17:00	0.5	130	0	0.5
	2022/06/29 18:00	0.7	143	0	0.8
	2022/06/29 19:00	0.4	143	0	1
	2022/06/29 20:00	1.1	148	0	0.7
	2022/06/29 21:00	1	149	0	0.5
	2022/06/29 22:00	0.8	149	0	0.2
	2022/06/29 23:00	0.9	150	0	0.5
	2022/06/30	0.9	146	0	0.8
	2022/06/30 06:00	2.8	156	0	3.4
	2022/06/30 07:00	1.8	151	0	3.4
	2022/06/30 08:00	1.5	147	0	1.4
	2022/06/30 09:00	2.5	150	0	3.9
	2022/06/30 10:00	0.5	145	0	2.3
	2022/06/30 11:00	1.1	129	0	0
	2022/06/30 12:00	0.8	127	0	0.8
	2022/06/30 13:00	1.5	134	0	1.6
	2022/06/30 14:00	1.7	115	0	1.7
	2022/06/30 15:00	2.2	117	0	1.9
	2022/06/30 16:00	1.4	113	0	5
	2022/06/30 18:00	0	128	0	0.6
	2022/06/30 19:00	0	118	0	0.8
	2022/06/30 20:00	0.2	124	0	1.7
	2022/06/30 21:00	0.1	124	0	1
	2022/06/30 22:00	0	123	0	0.6
Unit 21	2022/06/01 18:00	2.8	149	0	1
	2022/06/01 19:00	2.4	143	0	1.7
	2022/06/01 20:00	1.2	122	0	0.9
	2022/06/01 21:00	1.5	124	0	0.2
	2022/06/01 22:00	1.7	117	0	0.1
	2022/06/02 18:00	2.3	154	0	1.1
	2022/06/02 19:00	1.8	148	0	1.4
	2022/06/02 20:00	2.2	141	0	0.7

	2022/06/02 21:00	2.7	125	0	0.6
	2022/06/03 07:00	0.6	155	0	0.4
	2022/06/03 08:00	0.8	152	0	0.4
	2022/06/03 18:00	1.2	151	0	0.7
	2022/06/03 19:00	0.9	151	0	0.7
	2022/06/03 20:00	1.2	149	0	0.9
	2022/06/03 21:00	1	148	0	0.7
	2022/06/03 22:00	0.9	122	0	0.6
	2022/06/04 19:00	0.9	124	0	0.6
	2022/06/05 19:00	1.3	140	0	0.3
	2022/06/06 20:00	1.5	145	0	1.9
	2022/06/07 18:00	0.9	153	0	0.1
	2022/06/07 19:00	0.8	145	0	0.3
	2022/06/07 20:00	1.5	150	0	0.8
	2022/06/07 21:00	1.8	139	0	0.8
	2022/06/08 19:00	1.1	151	0	0.4
	2022/06/08 20:00	2	140	0	1.1
	2022/06/09 18:00	1.8	143	0	1.1
	2022/06/09 19:00	2.3	147	0	1.6
	2022/06/09 20:00	2.1	146	0	1.1
	2022/06/10 10:00	1.4	136	0	1
	2022/06/10 18:00	0.8	132	0	0.2
	2022/06/10 19:00	0.4	132	0	0.3
	2022/06/10 20:00	0.9	125	0	0
	2022/06/11 19:00	1.1	155	0	0.5
	2022/06/11 20:00	1.1	122	0	0.6
	2022/06/12 18:00	2.4	153	0	1.2
	2022/06/12 19:00	1.3	153	0	1.5
	2022/06/12 20:00	3.1	148	0	0.9
	2022/06/13 11:00	0.7	142	0	0.7
	2022/06/13 12:00	3	145	0	2
	2022/06/13 13:00	2.5	151	0	2.1
	2022/06/13 14:00	3.8	151	0	2.1
	2022/06/13 15:00	3.4	154	0	2.5
	2022/06/13 16:00	1	138	0	2.3
	2022/06/13 17:00	0.6	132	0	0.6
	2022/06/13 18:00	0.5	135	0	0.4
	2022/06/13 19:00	0.4	121	0	0.4
	2022/06/13 20:00	1.7	124	0	0.4

	2022/06/13 21:00	2.3	116	0	0.1
	2022/06/13 22:00	2.2	114	0	0.9
	2022/06/14 11:00	2.9	156	0	1
	2022/06/14 17:00	0.6	151	0	0.3
	2022/06/14 18:00	0.4	151	0	0.1
	2022/06/14 19:00	0.5	152	0	0
	2022/06/14 20:00	1.2	155	0	0.5
	2022/06/14 21:00	1.7	145	0	0.3
	2022/06/15 15:00	0.7	135	0	0.3
	2022/06/15 16:00	1.6	138	0	0.4
	2022/06/15 17:00	1.7	153	0	0.6
	2022/06/15 18:00	1.9	156	0	0.5
	2022/06/15 19:00	0.9	155	0	1.1
	2022/06/15 20:00	1.5	157	0	1.2
	2022/06/15 21:00	2	140	0	1
	2022/06/15 22:00	2.8	125	0	1.7
	2022/06/16 18:00	0.4	153	0	0.4
	2022/06/16 19:00	0.2	152	0	0.4
	2022/06/16 20:00	2.6	157	0	0.8
	2022/06/16 21:00	2.7	157	0	1
	2022/06/16 22:00	2.2	156	0	0.9
	2022/06/17 18:00	0	156	0	1
	2022/06/17 19:00	0	157	0	0.6
	2022/06/17 20:00	0.9	155	0	0.4
	2022/06/19 18:00	1.8	137	0	1.2
	2022/06/19 19:00	1.3	135	0	0.7
	2022/06/19 20:00	2.1	135	0	0.9
	2022/06/19 21:00	1.9	127	0	0.8
	2022/06/19 22:00	2.1	134	0	0.9
	2022/06/20 10:00	0.4	145	0	0
	2022/06/20 11:00	0.2	135	0	0
	2022/06/20 12:00	2	135	0	0.2
	2022/06/20 13:00	2.4	129	0	0.4
	2022/06/20 14:00	2.4	134	0	0.4
	2022/06/20 15:00	2.5	142	0	0.5
	2022/06/20 16:00	1.1	134	0	0.6
	2022/06/20 17:00	0.8	135	0	0.4
	2022/06/20 18:00	0.6	120	0	0.5
	2022/06/20 19:00	0.6	129	0	0.3

	2022/06/20 20:00	1.4	121	0	0
	2022/06/20 21:00	1.9	141	0	0.2
	2022/06/20 22:00	1.5	142	0	0.2
	2022/06/21 08:00	1.5	136	0	1.9
	2022/06/21 09:00	1.2	127	0	2.2
	2022/06/21 10:00	0.2	117	0	0.9
	2022/06/21 11:00	1.1	119	0	1.7
	2022/06/21 12:00	1.2	130	0	1.3
	2022/06/21 13:00	0.9	129	0	0.2
	2022/06/21 14:00	2.7	131	0	0.2
	2022/06/21 15:00	3	132	0	0.5
	2022/06/21 16:00	1.9	136	0	0.7
	2022/06/21 18:00	1.3	136	0	0.2
	2022/06/21 19:00	0.9	117	0	0.5
	2022/06/21 20:00	1.4	119	0	0.6
	2022/06/21 21:00	2.4	118	0	0.6
	2022/06/21 22:00	2.4	120	0	0.5
	2022/06/22 08:00	2.1	152	0	1.2
	2022/06/22 09:00	2	150	0	1
	2022/06/22 10:00	2.2	148	0	1
	2022/06/22 11:00	2.4	137	0	1
	2022/06/22 12:00	2.1	128	0	0.5
	2022/06/22 13:00	2.2	135	0	0.4
	2022/06/22 14:00	2.1	129	0	1
	2022/06/22 15:00	1.8	127	0	0.6
	2022/06/22 16:00	1.3	122	0	0.7
	2022/06/22 17:00	1.3	122	0	0.4
	2022/06/22 19:00	1.8	118	0	0.4
	2022/06/22 20:00	2.5	127	0	2.1
	2022/06/22 21:00	2.5	138	0	2.1
	2022/06/22 22:00	2.1	132	0	1.9
	2022/06/23 10:00	1.4	147	0	1
	2022/06/23 11:00	1.8	146	0	0.3
	2022/06/23 12:00	2	131	0	1
	2022/06/23 13:00	1.6	128	0	1
	2022/06/23 14:00	0.9	130	0	1.4
	2022/06/23 15:00	0.4	124	0	1.1
	2022/06/23 16:00	1.5	118	0	0.4
	2022/06/23 18:00	2	135	0	0.9

	2022/06/23 19:00	1.4	124	0	0.7
	2022/06/23 20:00	1.9	139	0	1.6
	2022/06/23 21:00	2.6	151	0	1.7
	2022/06/23 22:00	2.9	126	0	1.8
	2022/06/24 08:00	2.4	159	0	1.7
	2022/06/24 09:00	2.9	156	0	2.2
	2022/06/24 10:00	3	155	0	1.8
	2022/06/24 11:00	3.7	154	0	1.4
	2022/06/24 12:00	2.6	136	0	1.8
	2022/06/24 13:00	2.1	134	0	2.1
	2022/06/24 14:00	1.6	133	0	1.8
	2022/06/24 15:00	1.9	122	0	2.3
	2022/06/24 16:00	1.7	141	0	1.6
	2022/06/24 17:00	0.7	134	0	0.9
	2022/06/24 19:00	0.4	123	0	0.9
	2022/06/24 20:00	1	124	0	1
	2022/06/24 21:00	1.1	125	0	0.5
	2022/06/24 22:00	0.8	124	0	0.5
	2022/06/25 10:00	1.5	160	0	1.1
	2022/06/25 11:00	0.8	157	0	0.9
	2022/06/25 12:00	2.2	159	0	1.9
	2022/06/25 13:00	1.7	147	0	2.3
	2022/06/25 14:00	1.9	133	0	2.5
	2022/06/25 18:00	0.5	150	0	1.4
	2022/06/25 19:00	0.1	136	0	1.3
	2022/06/25 20:00	1.4	116	0	0.6
	2022/06/25 21:00	1.4	125	0	1
	2022/06/25 22:00	1.1	124	0	0.8
	2022/06/26 10:00	0.8	131	0	0.6
	2022/06/26 11:00	0.7	127	0	0.6
	2022/06/26 12:00	1.6	112	0	0.7
	2022/06/26 13:00	1.2	110	0	0.8
	2022/06/26 17:00	0.7	125	0	0.7
	2022/06/26 18:00	0.2	125	0	0.4
	2022/06/26 19:00	0.4	128	0	0.4
	2022/06/26 20:00	2.1	131	0	1.4
	2022/06/26 21:00	1.8	127	0	1
	2022/06/26 22:00	1.7	135	0	1.4
	2022/06/27 18:00	1.3	146	0	0.5

	2022/06/27 19:00	0.5	149	0	0.5
	2022/06/27 20:00	1.7	151	0	0.4
	2022/06/27 21:00	2.1	110	0	0.6
	2022/06/27 22:00	2.4	113	0	0.4
	2022/06/27 23:00	3.3	152	0	0.7
	2022/06/28 03:00	1.5	162	0	0.5
	2022/06/28 04:00	0.9	158	0	0.3
	2022/06/28 05:00	0.5	158	0	0.3
	2022/06/28 06:00	0.9	147	0	0.5
	2022/06/28 07:00	1.1	142	0	0.5
	2022/06/28 08:00	1.7	140	0	1.1
	2022/06/28 09:00	1.8	134	0	1
	2022/06/28 10:00	1.7	138	0	0.9
	2022/06/28 11:00	1.8	146	0	0.7
	2022/06/28 13:00	2.6	157	0	0.8
	2022/06/28 14:00	3.1	157	0	0.9
	2022/06/28 16:00	2.4	152	0	1.3
	2022/06/28 17:00	2.4	146	0	1.4
	2022/06/28 18:00	2.2	148	0	1.7
	2022/06/28 19:00	1.6	138	0	1.7
	2022/06/28 20:00	1.2	137	0	1.5
	2022/06/28 21:00	1.6	145	0	0.9
	2022/06/29 09:00	1.8	159	0	0.9
	2022/06/29 10:00	1.5	155	0	0.4
	2022/06/29 11:00	2.4	131	0	0.2
	2022/06/29 12:00	2.6	120	0	1.5
	2022/06/29 13:00	2.4	142	0	1.1
	2022/06/29 14:00	2.7	152	0	1.1
	2022/06/29 15:00	2.5	149	0	1.6
	2022/06/29 16:00	2.1	150	0	1
	2022/06/29 17:00	2.4	143	0	0.9
	2022/06/29 18:00	2.3	155	0	0.9
	2022/06/29 19:00	3.1	147	0	0.9
	2022/06/29 20:00	1.4	148	0	1
	2022/06/29 21:00	0.4	145	0	0.8
	2022/06/29 22:00	0	132	0	1.1
	2022/06/29 23:00	0.1	130	0	1
	2022/06/30	0.6	122	0	0.5
	2022/06/30 06:00	0.5	158	0	0.3

	2022/06/30 07:00	0.1	144	0	0
	2022/06/30 08:00	2.8	145	0	1.5
	2022/06/30 09:00	2.4	143	0	1
	2022/06/30 10:00	3	141	0	0.6
	2022/06/30 11:00	3.6	143	0	0.7
	2022/06/30 12:00	2.3	140	0	0.7
	2022/06/30 13:00	2.4	143	0	0.8
	2022/06/30 18:00	1.8	150	0	0.6
	2022/06/30 19:00	1.1	141	0	0.9
	2022/06/30 20:00	0.9	145	0	1.1
	2022/06/30 21:00	1.1	142	0	0.7
	2022/06/30 22:00	1.1	141	0	0.8
Unit 22	2022/06/01 18:00	1.7	203	0.1	0.9
	2022/06/01 19:00	0.9	197	0.1	0.4
	2022/06/01 20:00	2	169	0.1	1.1
	2022/06/01 21:00	2	176	0.1	1.1
	2022/06/01 22:00	2.1	167	0.1	1.1
	2022/06/02 18:00	1.1	206	0.1	0.6
	2022/06/02 19:00	0.4	203	0.1	0.2
	2022/06/02 20:00	1.4	183	0.1	1.3
	2022/06/02 21:00	1.5	158	0.1	1.3
	2022/06/03 07:00	1.8	214	0.1	0.9
	2022/06/03 08:00	1.5	210	0.1	0.6
	2022/06/03 18:00	1	201	0.1	0.1
	2022/06/03 19:00	0.1	203	0.1	0
	2022/06/03 20:00	1.6	208	0.1	0.2
	2022/06/03 21:00	1.4	209	0.1	0.3
	2022/06/03 22:00	1.1	169	0.1	0.2
	2022/06/04 19:00	1.8	165	0.1	0.6
	2022/06/05 19:00	1.3	194	0.1	0.5
	2022/06/06 20:00	1.3	208	0.1	0.4
	2022/06/06 21:00	1.3	206	0.1	0.4
	2022/06/07 18:00	1.7	212	0.1	0.8
	2022/06/07 19:00	1.2	204	0.1	0.2
	2022/06/07 20:00	1.5	210	0.1	0.9
	2022/06/07 21:00	1.2	191	0.1	0.3
	2022/06/08 19:00	0.7	213	0.1	0.2

	2022/06/08 20:00	1.7	196	0.1	0.5
	2022/06/08 21:00	1.8	186	0.1	0.5
	2022/06/09 18:00	0.7	195	0.1	0.4
	2022/06/09 19:00	0.2	193	0.1	0.2
	2022/06/09 20:00	1.8	197	0.1	0.4
	2022/06/09 21:00	1.9	192	0.1	0.4
	2022/06/10 10:00	1.6	189	0.1	0.7
	2022/06/10 19:00	0.2	207	0.1	0.1
	2022/06/10 20:00	1.7	178	0.1	0.4
	2022/06/11 18:00	1.4	212	0.1	1.1
	2022/06/11 19:00	1	215	0.1	0.6
	2022/06/11 20:00	3.2	161	0.1	1.9
	2022/06/12 18:00	1.7	213	0.1	1.1
	2022/06/12 19:00	0.9	209	0.1	0.3
	2022/06/12 20:00	1.8	198	0.1	1.3
	2022/06/13 10:00	0.9	196	0.1	0.3
	2022/06/13 11:00	0.9	190	0.1	0.2
	2022/06/13 12:00	1.5	188	0.1	0.5
	2022/06/13 13:00	2	202	0.1	1
	2022/06/13 14:00	3	201	0.1	1.8
	2022/06/13 15:00	3.2	208	0.1	2.1
	2022/06/13 16:00	3.3	197	0.1	3.8
	2022/06/13 17:00	3.3	188	0.1	4
	2022/06/13 18:00	3	191	0.1	3.6
	2022/06/13 19:00	2.6	171	0.1	2.4
	2022/06/13 20:00	1.7	165	0.1	0.7
	2022/06/13 21:00	1.3	154	0.1	0.6
	2022/06/13 22:00	1	151	0.1	0.7
	2022/06/14 11:00	1.2	210	0.1	1.4
	2022/06/14 16:00	1.3	209	0.1	0.8
	2022/06/14 17:00	0.9	204	0.1	0.3
	2022/06/14 18:00	0.9	205	0.1	0.3
	2022/06/14 19:00	0.8	204	0.1	0.2
	2022/06/14 20:00	1.6	212	0.1	0.4
	2022/06/14 21:00	1.6	209	0.1	0.3
	2022/06/15 08:00	1.3	210	0.1	1.5
	2022/06/15 09:00	1.1	211	0.1	1.5
	2022/06/15 10:00	1.2	210	0.1	1.7
	2022/06/15 11:00	1.3	210	0.1	2

	2022/06/15 12:00	1.6	214	0.1	1.8
	2022/06/15 13:00	1.9	197	0.1	0.3
	2022/06/15 14:00	3.5	181	0.1	0.3
	2022/06/15 15:00	4.5	183	0.1	0.4
	2022/06/15 16:00	3.5	189	0.1	1
	2022/06/15 17:00	1.8	212	0.1	0.7
	2022/06/15 18:00	1.5	213	0.1	0.7
	2022/06/15 19:00	1.5	214	0.1	0.6
	2022/06/15 20:00	1.6	217	0.1	0.7
	2022/06/15 21:00	1.9	195	0.1	0.8
	2022/06/15 22:00	1.8	166	0.1	1
	2022/06/16 18:00	0.8	214	0.1	0.6
	2022/06/16 19:00	0.6	212	0.1	0.4
	2022/06/16 20:00	1.4	214	0.1	0.4
	2022/06/16 21:00	1.3	212	0.1	0.5
	2022/06/16 22:00	1.4	212	0.1	0.7
	2022/06/16 23:00	3.4	173	0.1	0.9
	2022/06/17 11:00	1.7	201	0.1	1
	2022/06/17 12:00	2.4	205	0.1	1.9
	2022/06/17 18:00	1.7	228	0.1	0.9
	2022/06/17 19:00	0.8	227	0.1	0.2
	2022/06/17 20:00	1.7	224	0.1	0.8
	2022/06/18 18:00	1.6	200	0.1	0.8
	2022/06/18 19:00	1.1	187	0.1	0.3
	2022/06/18 20:00	1.8	183	0.1	0.5
	2022/06/18 21:00	1.8	176	0.1	0.5
	2022/06/19 09:00	1.7	192	0.1	1.1
	2022/06/19 10:00	1.2	181	0.1	0.6
	2022/06/19 11:00	1.5	185	0.1	0.9
	2022/06/19 12:00	2	197	0.1	0.8
	2022/06/19 13:00	2.7	202	0.1	1.5
	2022/06/19 14:00	3.4	190	0.1	2.5
	2022/06/19 15:00	4	201	0.1	3.7
	2022/06/19 16:00	1.3	197	0.1	0.7
	2022/06/19 17:00	0.7	191	0.1	0.3
	2022/06/19 18:00	0.4	181	0.1	0.2
	2022/06/19 19:00	0.2	176	0.1	0.2
	2022/06/19 20:00	1.7	180	0.1	1.1
	2022/06/19 21:00	1.7	173	0.1	1.1

	2022/06/19 22:00	1.8	180	0.1	1
	2022/06/20 10:00	1.5	196	0.1	0.5
	2022/06/20 11:00	2	185	0.1	0.9
	2022/06/20 12:00	1.9	181	0.1	1.6
	2022/06/20 13:00	2.4	178	0.1	2.4
	2022/06/20 14:00	2.3	183	0.1	2.6
	2022/06/20 15:00	2	191	0.1	2.1
	2022/06/20 16:00	1.7	185	0.1	0.6
	2022/06/20 17:00	1.6	191	0.1	0.4
	2022/06/20 18:00	1.5	173	0.1	0.4
	2022/06/20 19:00	1.3	178	0.1	0.3
	2022/06/20 20:00	1.7	168	0.1	0.9
	2022/06/20 21:00	1.7	187	0.1	1.1
	2022/06/20 22:00	1.7	188	0.1	1.2
	2022/06/21 08:00	1.5	187	0.1	1.4
	2022/06/21 09:00	1.3	174	0.1	0
	2022/06/21 10:00	0.7	168	0.1	0.1
	2022/06/21 11:00	0.8	173	0.1	0.3
	2022/06/21 12:00	1.6	187	0.1	0.5
	2022/06/21 13:00	1.9	189	0.1	0.6
	2022/06/21 14:00	2.1	193	0.1	0.7
	2022/06/21 15:00	2.2	189	0.1	0.9
	2022/06/21 16:00	1.9	187	0.1	0.7
	2022/06/21 17:00	2.1	184	0.1	1
	2022/06/21 19:00	1.7	166	0.1	0.7
	2022/06/21 20:00	1.5	169	0.1	0.3
	2022/06/21 21:00	1.6	166	0.1	0.4
	2022/06/21 22:00	1.7	169	0.1	0.4
	2022/06/22 08:00	1.2	198	0.1	0.6
	2022/06/22 09:00	1.1	196	0.1	0.3
	2022/06/22 10:00	0.9	192	0.1	0.2
	2022/06/22 11:00	1.6	182	0.1	0.7
	2022/06/22 12:00	2	181	0.1	1.5
	2022/06/22 13:00	2.1	188	0.1	1.6
	2022/06/22 14:00	2.3	181	0.1	1.6
	2022/06/22 15:00	2.4	180	0.1	1.8
	2022/06/22 16:00	1.7	174	0.1	1.1
	2022/06/22 17:00	1.9	173	0.1	1.3
	2022/06/22 19:00	1.9	173	0.1	1.2

	2022/06/22 20:00	1.5	179	0.1	0.6
	2022/06/22 21:00	1.1	186	0.1	0.2
	2022/06/22 22:00	0.8	182	0.1	0.1
	2022/06/23 10:00	0.9	194	0.1	0.4
	2022/06/23 11:00	0.7	192	0.1	0.4
	2022/06/23 12:00	1.3	184	0.1	0.3
	2022/06/23 13:00	1.4	179	0.1	0.4
	2022/06/23 14:00	1.3	186	0.1	0.4
	2022/06/23 15:00	1.4	179	0.1	0.4
	2022/06/23 16:00	1.4	170	0.1	0.9
	2022/06/23 17:00	1.3	177	0.1	0.8
	2022/06/23 19:00	1.4	174	0.1	0.9
	2022/06/23 20:00	1.3	186	0.1	0.9
	2022/06/23 21:00	1.2	197	0.1	0.9
	2022/06/23 22:00	1.2	168	0.1	0.9
	2022/06/24 08:00	1.3	206	0.1	0.5
	2022/06/24 09:00	1	203	0.1	0.3
	2022/06/24 10:00	1	203	0.1	0.4
	2022/06/24 11:00	1.1	201	0.1	0.3
	2022/06/24 12:00	1.8	187	0.1	0.8
	2022/06/24 13:00	2.1	184	0.1	1.1
	2022/06/24 14:00	1.5	184	0.1	0.6
	2022/06/24 15:00	4.2	159	0.1	1
	2022/06/24 16:00	2.4	189	0.1	0.9
	2022/06/24 17:00	1.3	182	0.1	0.6
	2022/06/24 19:00	0.8	171	0.1	0.2
	2022/06/24 20:00	1.5	177	0.1	0.4
	2022/06/24 21:00	1.4	174	0.1	0.5
	2022/06/24 22:00	1.3	175	0.1	0.3
	2022/06/25 09:00	1.9	217	0.1	1.2
	2022/06/25 10:00	1.1	212	0.1	0.7
	2022/06/25 11:00	1.3	208	0.1	0.8
	2022/06/25 12:00	1.3	210	0.1	0.8
	2022/06/25 13:00	2	209	0.1	1.7
	2022/06/25 14:00	2.6	211	0.1	2.6
	2022/06/25 17:00	1.2	201	0.1	0.6
	2022/06/25 18:00	1	198	0.1	0.2
	2022/06/25 19:00	0.4	185	0.1	0
	2022/06/25 20:00	2	170	0.1	1.1

	2022/06/25 21:00	1.7	178	0.1	0.8
	2022/06/25 22:00	1.6	177	0.1	0.6
	2022/06/26 10:00	1.2	175	0.1	1.1
	2022/06/26 11:00	1.1	173	0.1	1.1
	2022/06/26 12:00	5.5	146	0.1	1.9
	2022/06/26 13:00	7.2	140	0.1	3.5
	2022/06/26 17:00	1	166	0.1	0.1
	2022/06/26 18:00	0.2	171	0.1	0
	2022/06/26 19:00	0.1	173	0.1	0
	2022/06/26 20:00	1.5	172	0.1	1.3
	2022/06/26 21:00	1.6	168	0.1	1.2
	2022/06/26 22:00	1.4	172	0.1	1.3
	2022/06/27 19:00	1.4	205	0.1	0.9
	2022/06/27 20:00	1.4	204	0.1	0.8
	2022/06/27 21:00	4.1	138	0.1	0.8
	2022/06/27 22:00	4.1	142	0.1	0.7
	2022/06/27 23:00	2.1	199	0.1	1
	2022/06/28	3.1	177	0.1	1.6
	2022/06/28 01:00	1.8	202	0.1	1.5
	2022/06/28 02:00	1.9	203	0.1	1.7
	2022/06/28 03:00	1.9	210	0.1	1.9
	2022/06/28 05:00	2.1	216	0.1	0.5
	2022/06/28 06:00	2.7	203	0.1	0.6
	2022/06/28 07:00	2.4	197	0.1	0.5
	2022/06/28 08:00	1.8	191	0.1	1.5
	2022/06/28 09:00	1.6	187	0.1	1.2
	2022/06/28 10:00	1.7	189	0.1	1.6
	2022/06/28 11:00	2.4	201	0.1	2.7
	2022/06/28 12:00	1.9	210	0.1	1.3
	2022/06/28 13:00	2.2	214	0.1	1.6
	2022/06/28 14:00	2.4	214	0.1	1.8
	2022/06/28 15:00	2.6	213	0.1	1.9
	2022/06/28 16:00	1.8	209	0.1	1.6
	2022/06/28 17:00	1.7	204	0.1	1.6
	2022/06/28 18:00	1.6	203	0.1	1.3
	2022/06/28 19:00	2.1	198	0.1	1.8
	2022/06/28 21:00	0.9	198	0.1	0.3
	2022/06/29 09:00	1	216	0.1	0.8
	2022/06/29 10:00	0.7	213	0.1	0.5

	2022/06/29 11:00	1.6	195	0.1	1.2
	2022/06/29 12:00	1.9	191	0.1	1.6
	2022/06/29 13:00	2.4	194	0.1	1.9
	2022/06/29 14:00	2.2	210	0.1	2
	2022/06/29 15:00	2.4	209	0.1	2.3
	2022/06/29 16:00	2	207	0.1	2.2
	2022/06/29 17:00	2.5	188	0.1	2.1
	2022/06/29 18:00	1.7	208	0.1	1.7
	2022/06/29 19:00	1.9	200	0.1	2.1
	2022/06/29 20:00	1.3	204	0.1	1.1
	2022/06/29 21:00	0.8	200	0.1	0.6
	2022/06/29 22:00	0.8	189	0.1	0.6
	2022/06/29 23:00	0.7	184	0.1	0.5
	2022/06/30	1.4	181	0.1	1.3
	2022/06/30 06:00	1.2	200	0.1	0.6
	2022/06/30 07:00	1.3	197	0.1	0.5
	2022/06/30 08:00	2	193	0.1	0.8
	2022/06/30 09:00	1.7	189	0.1	0.7
	2022/06/30 10:00	1.6	188	0.1	1.2
	2022/06/30 11:00	2.7	197	0.1	2
	2022/06/30 12:00	2.3	202	0.1	0.8
	2022/06/30 13:00	2.4	201	0.1	0.9
	2022/06/30 18:00	1.7	205	0.1	1.5
	2022/06/30 19:00	1	192	0.1	0.5
	2022/06/30 20:00	1.5	198	0.1	0.6
	2022/06/30 21:00	0.8	195	0.1	0.3
	2022/06/30 22:00	0.2	194	0.1	0.1
Total Emission mass (tons)					
		8.329	156.424	0	0.648

Table 4: Each unit and respective days operating under normal operation

Unit	Hours operating under normal operation	Hours of start-up and shut-down	Total
11	34	38	72
12	222	82	304
13	219	87	306
21	215	81	296
22	247	85	332
Total	937	373	1310

Table 5: Monitoring Equipment-Continuous Emission Monitoring System (CEMS) availability

Associated Unit/Stack	Technology Type	Actual Utilisation (%) for the month
Unit 11	CEMS	100%
Unit 12	CEMS	100%
Unit 13	CEMS	100%
Unit 21	CEMS	100%
Unit 22	CEMS	100%

Note: Continuous Emission Monitoring System (CEMS) is always online unless a fault is reported. The system auto calibrates every four (4) hours and raises an alarm if auto calibration is out of spec. Onsite technicians calibrate the system with calibration gas annually.

Table 6: Average Point Source Emissions released during start-up, maintenance and shut-down for the month of June 2022 in mg/Nm³

Unit	NO _x	SO ₂
11	102.11	3.31
12	156.01	2.56
13	132.86	3.08
21	138.27	2.00
22	178.22	2.50

4. Comments on the performance and availability of each unit

- All 5 units were available to generate power for the month of June 2022
- **Leak Detection and Repair programme-** No leaks were reported during June 2022.

5. Load Factor: 27.9%

6. Complaints Register

Table 7: Complaints

Source Code/ Name	Root Cause Analysis	Calculation of Impacts/ emissions associated with the incident	Dispersion modeling of pollutants where applicable	Measures implemented to prevent reoccurrence	Date by which measure will be implemented

None	N/A	N/A	N/A	N/A	N/A
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The rest of the information demonstrating compliance with the emission license conditions is supplied in the annual emission reports sent to your office.

For any related queries, please do not hesitate to contact me on 021 573 6162

Yours sincerely



Pamela Mrubata
GOURIKWA POWER STATION