

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

Date:
 09 January 2023

Enquiries:
 021 573 6162

Ref: GOU/2022/12

Dear Dr Schoeman

GOURIKWA POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF DECEMBER 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 1-31 December 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	45 826 195.09
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	147 396.11
	Fuel use per hour per unit (L)		Fuel Efficiency: Litre per MWh	
	Unit 11: 37 538.43 Unit 12: 36 377.30 Unit 13: 34 617.63 Unit 21: 37 837.61 Unit 22: 37 049.16		Unit 11:309.59 Unit 12:307.44 Unit 13:294.67 Unit 21:315.26 Unit 22:313.17	

2. Abatement Technology

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

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	2022/12/16 21:00	2.1	139	0.1	0.2
	2022/12/16 22:00	1.6	138	0.1	0.3
	2022/12/16 23:00	1.5	139	0.1	0.2
	2022/12/17	0.8	137	0.1	0.1
	2022/12/17 01:00	0.6	137	0.1	0.1
	2022/12/17 02:00	0.6	137	0.1	0.1
	2022/12/17 03:00	0.5	135	0.1	0.9
	2022/12/17 04:00	0.5	126	0.1	1.8
	2022/12/17 05:00	0.6	126	0.1	1.9
	2022/12/17 06:00	0.7	128	0.1	2.1
	2022/12/17 07:00	0.7	129	0.2	1.8
	2022/12/17 08:00	0.6	134	0.1	0.1
	2022/12/17 10:00	0.6	136	0.1	0
	2022/12/18 13:00	1.3	140	0.1	1.2
	2022/12/18 14:00	1.3	142	0.1	1.3
	2022/12/18 15:00	1.2	143	0.1	1.5
	2022/12/18 16:00	0.9	133	0.1	1.3
	2022/12/18 17:00	1	132	0.1	1.9
	2022/12/18 18:00	0.8	131	0.1	1.6
	2022/12/18 19:00	0.7	125	0.1	1.1
	2022/12/18 20:00	0.7	129	0.1	0.3
	2022/12/18 21:00	0.9	127	0.1	0.3

	2022/12/18 23:00	1	137	0.1	0.7
	2022/12/19	0.6	128	0.1	0.3
	2022/12/19 01:00	0.6	127	0.1	0.3
	2022/12/19 02:00	0.5	126	0.1	0.3
	2022/12/19 03:00	0.7	129	0.1	0.4
	2022/12/19 05:00	1	138	0.1	0.2
	2022/12/19 06:00	1	137	0.1	0.2
	2022/12/19 07:00	0.9	137	0.1	0.1
	2022/12/20 10:00	3.4	147	0.1	8.1
	2022/12/20 11:00	3	144	0.1	8.3
	2022/12/20 12:00	0.7	143	0.1	0.2
	2022/12/20 13:00	0.7	145	0.1	0.2
	2022/12/20 14:00	0.5	120	0.1	0.2
	2022/12/20 15:00	0.5	124	0.1	0.1
	2022/12/20 16:00	0.6	117	0.1	0.1
	2022/12/20 17:00	0.6	116	0.1	0.5
	2022/12/20 18:00	0.7	115	0.1	0.2
	2022/12/20 20:00	0.8	135	0.1	0.2
	2022/12/20 21:00	0.7	136	0.1	0.2
	2022/12/20 22:00	0.7	135	0.1	0.2
	2022/12/21	1.1	131	0.1	1
	2022/12/21 01:00	1	130	0.1	0.9
	2022/12/21 02:00	0.9	130	0.1	1.2
	2022/12/21 03:00	0.9	130	0.1	1.2
	2022/12/21 04:00	0.8	127	0.1	0.1
	2022/12/21 06:00	0.8	134	0.1	0.1
	2022/12/21 07:00	0.3	132	0.1	0.3
	2022/12/21 08:00	0.7	133	0.1	1.3
	2022/12/21 10:00	1.6	142	0.1	5.1
	2022/12/22 05:00	1.3	143	0.1	1.4
	2022/12/22 06:00	1.7	150	0.1	3
	2022/12/22 07:00	1.5	158	0.1	3.5
	2022/12/22 08:00	1.1	153	0.1	0.3
	2022/12/22 09:00	1.9	157	0.1	3.4
	2022/12/22 10:00	2.5	167	0.1	7.1
	2022/12/22 11:00	2.2	153	0.1	7.9
	2022/12/22 12:00	1	114	0.1	0.1
	2022/12/27 10:00	2.7	147	0.1	8.2
	2022/12/27 11:00	2.8	153	0.1	9.5

	2022/12/27 12:00	1.3	141	0.1	0.7
	2022/12/27 13:00	1.3	146	0.1	0.7
	2022/12/27 14:00	1.4	150	0.1	0.8
	2022/12/27 15:00	1.3	148	0.1	0.3
	2022/12/27 16:00	1.1	137	0.1	0.6
	2022/12/27 17:00	0.9	127	0.1	0.3
	2022/12/27 20:00	1	115	0.1	0.1
	2022/12/27 21:00	1	113	0.1	0.1
	2022/12/27 22:00	1	111	0.1	0.1
	2022/12/27 23:00	1.1	111	0.1	0.2
	2022/12/28 01:00	1.1	129	0.1	0.2
	2022/12/28 02:00	1	129	0.1	0.2
	2022/12/28 03:00	1	130	0.1	0.2
	2022/12/28 05:00	0.9	130	0.1	0.2
	2022/12/28 06:00	0.9	128	0.1	0.1
	2022/12/28 07:00	0.8	128	0.1	0.2
	2022/12/28 09:00	1.6	141	0.1	3
	2022/12/28 10:00	2.5	146	0.1	6.9
	2022/12/28 11:00	2.3	143	0.1	7.1
	2022/12/28 12:00	0.5	136	0.1	0.1
	2022/12/28 14:00	0.5	137	0.1	0.1
	2022/12/28 15:00	0.3	140	0.1	0.2
	2022/12/28 16:00	0.8	138	0.1	0.1
	2022/12/28 17:00	0.7	110	0.1	0
	2022/12/28 18:00	0.7	119	0.1	0
	2022/12/28 20:00	1.1	119	0.1	0.5
	2022/12/28 21:00	1.1	118	0.1	0.2
	2022/12/28 22:00	1.1	116	0.1	0.2
	2022/12/28 23:00	1	116	0.1	0.1
	2022/12/29 01:00	0.8	125	0.1	0.6
	2022/12/29 02:00	0.6	125	0.1	0.2
	2022/12/29 05:00	1.1	129	0.1	0
	2022/12/29 06:00	0.8	127	0.1	0
	2022/12/29 07:00	0.6	126	0.1	0.4
	2022/12/29 09:00	0.7	127	0.1	0.3
	2022/12/29 10:00	0.9	129	0.1	1.3
	2022/12/29 11:00	1.2	128	0.1	2.9
	2022/12/31 10:00	2.8	148	0.1	5.5
	2022/12/31 11:00	2.4	145	0.1	6.3

	2022/12/31 12:00	1	136	0.1	1.7
	2022/12/31 14:00	0.7	145	0.1	0.2
	2022/12/31 15:00	0.5	120	0.1	0.2
	2022/12/31 16:00	0.5	124	0.1	0.1
	2022/12/31 17:00	0.6	117	0.1	0.1
	2022/12/31 18:00	0.6	116	0.1	0.5
	2022/12/31 19:00	0.7	115	0.1	0.2
	2022/12/31 21:00	0.8	135	0.1	0.2
	2022/12/31 22:00	0.7	136	0.1	0.2
	2022/12/31 23:00	0.7	135	0.1	0.2
Unit 12	2022/12/16 17:00	12.8	176	0.1	0.1
	2022/12/16 18:00	12.7	174	0.1	0
	2022/12/16 19:00	12.9	172	0.1	0
	2022/12/16 20:00	13.2	173	0.1	0
	2022/12/16 21:00	14.4	179	0.1	0
	2022/12/16 22:00	14.5	179	0.1	0
	2022/12/16 23:00	14.4	179	0.1	0
	2022/12/17	14.6	178	0.1	0.1
	2022/12/17 01:00	14.4	176	0.1	0.2
	2022/12/17 02:00	14.4	176	0.1	0.1
	2022/12/17 03:00	14.4	175	0.1	0.2
	2022/12/17 05:00	14.5	174	0.1	0.4
	2022/12/17 06:00	14.1	174	0.1	0.3
	2022/12/17 07:00	13.6	174	0.1	0.3
	2022/12/17 08:00	13.6	174	0.1	0.2
	2022/12/17 10:00	41.6	145	0.1	0.3
	2022/12/18 13:00	9.9	186	0	0.4
	2022/12/18 14:00	10	183	0	0.1
	2022/12/18 15:00	8.5	195	0	0.2
	2022/12/18 16:00	10.3	179	0	0.2
	2022/12/18 17:00	11.4	178	0	0
	2022/12/18 18:00	12.3	170	0	0
	2022/12/18 19:00	9.9	187	0	0
	2022/12/18 20:00	9.8	186	0	0.5
	2022/12/18 21:00	11.2	181	0	0.2
	2022/12/18 22:00	12.3	178	0	0.2
	2022/12/19	8.6	177	0	0.2

	2022/12/19 01:00	7.8	188	0	0.3
	2022/12/19 02:00	7.4	186	0	0.2
	2022/12/19 03:00	6.5	194	0	0.2
	2022/12/19 05:00	8.3	180	0	0.4
	2022/12/19 06:00	7.8	176	0	0.3
	2022/12/19 07:00	7.9	171	0	0.4
	2022/12/19 09:00	21.5	173	0	0.3
	2022/12/19 10:00	15.5	165	0	0.4
	2022/12/19 12:00	14.2	181	0	0.5
	2022/12/19 13:00	13.4	189	0	0.1
	2022/12/19 14:00	14.8	178	0	0.3
	2022/12/19 15:00	15.3	175	0	0.2
	2022/12/19 17:00	13.6	189	0	0.3
	2022/12/19 18:00	13.6	187	0	0.4
	2022/12/19 19:00	12.9	192	0	0.3
	2022/12/20 10:00	16.9	183	0	2
	2022/12/20 11:00	15.2	190	0	1.2
	2022/12/20 12:00	16.1	185	0	1.3
	2022/12/20 13:00	16.5	175	0	0.5
	2022/12/20 14:00	28	169	0	0.4
	2022/12/20 15:00	12.6	191	0	0.5
	2022/12/20 16:00	14.5	181	0	0.5
	2022/12/20 17:00	17.6	174	0	0
	2022/12/20 18:00	14.3	187	0	0
	2022/12/20 20:00	13.5	189	0	0
	2022/12/20 21:00	17	178	0	0.3
	2022/12/20 22:00	18.1	174	0	0
	2022/12/21	5.2	180	0	0.1
	2022/12/21 01:00	5.2	190	0	0.2
	2022/12/21 02:00	5.4	191	0	0.2
	2022/12/21 03:00	5.2	194	0	0.3
	2022/12/21 05:00	17.5	172	0	0.3
	2022/12/21 06:00	5.7	178	0	0.5
	2022/12/21 07:00	5.1	178	0	0.5
	2022/12/21 08:00	5	186	0	0.4
	2022/12/21 10:00	8.2	198	0	1.6
	2022/12/22 05:00	4	204	0	0.4
	2022/12/22 06:00	4.1	210	0	0.5
	2022/12/22 07:00	5.3	210	0	0.5

	2022/12/22 08:00	13.5	198	0	0.4
	2022/12/27 12:00	7.2	117	0	3.1
	2022/12/27 13:00	3	122	0	0.1
	2022/12/27 14:00	3.6	125	0	0.1
	2022/12/27 15:00	3.7	126	0	0
	2022/12/27 16:00	3.1	114	0	0
	2022/12/27 17:00	1.7	109	0	0
	2022/12/27 18:00	0.4	127	0	0
	2022/12/27 19:00	0	129	0	0
	2022/12/27 20:00	1.7	123	0	0
	2022/12/27 22:00	0.3	122	0	0
	2022/12/27 23:00	0.3	124	0	0
	2022/12/28 01:00	2.8	127	0	0.1
	2022/12/28 02:00	2.9	128	0	0.2
	2022/12/28 03:00	3.1	128	0	0.2
	2022/12/28 05:00	2.7	126	0	0.8
	2022/12/28 06:00	2.3	122	0	0.8
	2022/12/28 07:00	1.3	124	0	0.5
	2022/12/28 09:00	6.2	127	0	0.8
	2022/12/28 10:00	9.7	133	0	2.7
	2022/12/28 11:00	11.2	138	0	4.2
	2022/12/28 12:00	8.2	137	0	3.4
	2022/12/28 15:00	1.8	133	0	0
	2022/12/28 16:00	1.3	127	0	0
	2022/12/28 17:00	1.1	109	0	0
	2022/12/28 18:00	0.1	120	0	0
	2022/12/28 19:00	0	119	0	0
	2022/12/28 21:00	1.9	118	0	0.4
	2022/12/28 22:00	1.6	116	0	0.3
	2022/12/28 23:00	1.4	125	0	0.1
	2022/12/29 01:00	2.3	123	0	0
	2022/12/29 02:00	2.2	116	0	0.1
	2022/12/29 03:00	2.2	111	0	0
	2022/12/29 05:00	2.2	125	0	0.2
	2022/12/29 06:00	1.3	123	0	0
	2022/12/29 07:00	0.7	111	0	0
	2022/12/29 08:00	1.4	120	0	0.1
	2022/12/29 10:00	2.5	115	0	0.3
	2022/12/29 11:00	3.9	128	0	0.9

	2022/12/31 10:00	4.8	136	0	1.1
	2022/12/31 11:00	5.9	125	0	2
	2022/12/31 12:00	4.5	101	0	1.8
	2022/12/31 13:00	1.5	85	0	0
	2022/12/31 14:00	1.1	62	0	0.1
	2022/12/31 15:00	0.6	48	0	0.1
	2022/12/31 16:00	0.4	42	0	0
	2022/12/31 17:00	0.1	0	0.1	0.5
	2022/12/31 18:00	0.1	0	0.1	0.5
	2022/12/31 19:00	3.2	113	0.1	0.3
	2022/12/31 21:00	1.8	107	0.1	0.2
	2022/12/31 22:00	0.9	116	0.1	0.2
Unit 13	2022/12/18 13:00	2	117	0.1	0.9
	2022/12/18 14:00	1.6	113	0.1	0.3
	2022/12/18 15:00	2	120	0.1	0.1
	2022/12/18 16:00	1.9	116	0.1	2.4
	2022/12/18 17:00	0.1	107	0.1	1.9
	2022/12/18 18:00	0	99	0.1	2.1
	2022/12/18 19:00	0	109	0.1	0.2
	2022/12/18 20:00	0.4	118	0.1	1
	2022/12/18 21:00	0.5	113	0.1	1.5
	2022/12/18 22:00	0.4	110	0.1	1.2
	2022/12/19	1.1	105	0.1	2.3
	2022/12/19 01:00	0.2	109	0.1	0.6
	2022/12/19 02:00	1.3	111	0.1	2.4
	2022/12/19 16:00	0.1	121	0.1	0
	2022/12/19 17:00	0.7	119	0.1	0
	2022/12/19 18:00	0.9	121	0.1	0
	2022/12/19 19:00	0.1	123	0.1	0
	2022/12/19 20:00	1.8	125	0.1	1
	2022/12/20 10:00	1.6	115	0.1	2.1
	2022/12/20 11:00	1.7	116	0.1	0.5
	2022/12/20 12:00	0.3	114	0.1	0.2
	2022/12/20 13:00	1.9	112	0.1	5.7
	2022/12/20 14:00	0.8	106	0.1	5.7
	2022/12/20 15:00	0.5	115	0.1	0
	2022/12/20 16:00	1.3	114	0.1	0.9

	2022/12/20 17:00	0.8	107	0.1	0.7
	2022/12/20 18:00	0.2	113	0.1	0.3
	2022/12/20 21:00	1	118	0.1	2.2
	2022/12/20 22:00	1.1	114	0.1	1.1
	2022/12/21 01:00	0	113	0.1	0
	2022/12/21 02:00	0.7	117	0.1	0.7
	2022/12/21 03:00	0.3	114	0.1	0.4
	2022/12/21 05:00	1.1	112	0.1	1.4
	2022/12/21 06:00	1	111	0.1	0.7
	2022/12/21 07:00	1.9	114	0.1	1.8
	2022/12/21 09:00	1.1	127	0.1	1.7
	2022/12/21 10:00	1.2	129	0.1	2
	2022/12/22 05:00	0.2	121	0.1	0.7
	2022/12/22 06:00	0.1	126	0.1	0
	2022/12/22 07:00	0	123	0.1	0.1
	2022/12/27 12:00	0.9	110	0.1	0.4
	2022/12/27 13:00	0.1	110	0.1	0.3
	2022/12/27 14:00	0.3	115	0.1	0
	2022/12/27 15:00	0	114	0.1	0
	2022/12/27 16:00	1	111	0.1	0.2
	2022/12/27 17:00	0.6	107	0.1	0.2
	2022/12/27 18:00	1	119	0.1	1.3
	2022/12/27 19:00	1.2	120	0.1	1.5
	2022/12/27 21:00	0.6	116	0.1	0
	2022/12/27 22:00	0.9	115	0.1	0.5
	2022/12/27 23:00	1.4	119	0.1	2.2
	2022/12/28 01:00	2.3	121	0.1	1.6
	2022/12/28 02:00	1.6	120	0.1	1.9
	2022/12/28 03:00	0.9	121	0.1	1.1
	2022/12/28 04:00	1.9	120	0.1	3
	2022/12/28 06:00	2.1	116	0.1	2.3
	2022/12/28 07:00	2.1	120	0.1	3.8
	2022/12/28 10:00	2	118	0.1	1.3
	2022/12/28 11:00	3.1	122	0.1	3.4
	2022/12/28 12:00	1	121	0.1	1.2
	2022/12/28 13:00	0.9	115	0.1	1.1
	2022/12/28 15:00	3	123	0.1	5.3
	2022/12/28 16:00	0.6	116	0.1	6.2
	2022/12/28 17:00	0	98	0.1	0

	2022/12/28 18:00	0	111	0.1	0
	2022/12/28 20:00	1.4	114	0.1	3.8
	2022/12/28 21:00	1.2	115	0.1	5.6
	2022/12/28 22:00	0.1	108	0.1	3.2
	2022/12/29 01:00	0	113	0.1	0
	2022/12/29 02:00	0	105	0.1	0.2
	2022/12/29 03:00	0	101	0.1	0
	2022/12/29 05:00	0.8	113	0.1	0.8
	2022/12/29 06:00	1.6	116	0.1	2.5
	2022/12/29 07:00	0.4	105	0.1	0.7
	2022/12/29 08:00	1.9	119	0.1	2.2
	2022/12/29 10:00	0.8	105	0.1	0.9
	2022/12/31 11:00	0	111	0.1	1.5
	2022/12/31 12:00	0.2	113	0.1	0.8
	2022/12/31 13:00	0	110	0.1	0
	2022/12/31 14:00	0.3	108	0.1	0
	2022/12/31 15:00	0.8	111	0.1	0
	2022/12/31 16:00	0.4	96	0.1	0.3
	2022/12/31 17:00	0.6	107	0.1	0.5
	2022/12/31 18:00	0	104	0.1	0.1
	2022/12/31 19:00	0.8	104	0.1	1.3
	2022/12/31 21:00	0	99	0.1	0
	2022/12/31 22:00	0	108	0.1	0
Unit 21	2022/12/01 06:00	2.9	156	0	2.2
	2022/12/01 07:00	2.8	134	0	2.3
	2022/12/01 08:00	2.7	139	0	1.2
	2022/12/01 09:00	2	133	0	0.2
	2022/12/01 10:00	4.3	122	0	0.6
	2022/12/01 11:00	5	126	0	0.5
	2022/12/01 12:00	2.5	150	0	0.5
	2022/12/01 13:00	2.7	155	0	0.2
	2022/12/01 14:00	2.6	147	0	0.3
	2022/12/01 15:00	2.1	145	0	0.2
	2022/12/01 17:00	2.1	152	0	0.6
	2022/12/01 18:00	1.7	151	0	0.5
	2022/12/01 20:00	1.5	142	0	0.3
	2022/12/01 21:00	1.5	133	0	0

	2022/12/01 22:00	1.4	125	0	0
	2022/12/02 06:00	1.2	127	0	1.5
	2022/12/02 07:00	0.2	127	0	0.8
	2022/12/02 08:00	2.4	137	0	0.6
	2022/12/02 09:00	3.7	140	0	0.9
	2022/12/02 10:00	3.1	144	0	1
	2022/12/02 11:00	2.5	146	0	0.5
	2022/12/02 12:00	2.7	153	0	0.8
	2022/12/02 13:00	2.9	140	0	1.4
	2022/12/02 14:00	1.3	144	0	0.8
	2022/12/02 16:00	2.3	157	0	0.5
	2022/12/03 13:00	0.5	144	0	0
	2022/12/03 14:00	0.9	143	0	0
	2022/12/03 15:00	1.3	144	0	0.1
	2022/12/03 16:00	2.4	141	0	1.6
	2022/12/03 17:00	2.3	145	0	1.2
	2022/12/03 18:00	2.3	148	0	1.2
	2022/12/03 19:00	2.9	145	0	1.4
	2022/12/03 20:00	2	146	0	0.5
	2022/12/03 22:00	1.4	140	0	0.6
	2022/12/03 23:00	0.8	142	0	0.5
	2022/12/04	1.4	132	0	0.9
	2022/12/04 01:00	1.5	149	0	1.3
	2022/12/04 03:00	1.5	152	0	1.2
	2022/12/04 04:00	1.7	149	0	0.8
	2022/12/04 05:00	1.2	149	0	0.7
	2022/12/04 07:00	2	144	0	1.5
	2022/12/04 08:00	1.6	145	0	1.3
	2022/12/04 09:00	1	150	0	0.6
	2022/12/04 11:00	3.2	116	0	1.1
	2022/12/04 12:00	2.5	146	0	1.3
	2022/12/04 13:00	1.2	152	0	1.1
	2022/12/04 15:00	2.9	157	0	1.1
	2022/12/05 02:00	3.1	151	0	0.4
	2022/12/05 03:00	3.5	153	0	0.5
	2022/12/05 05:00	0.2	153	0	0.2
	2022/12/05 06:00	0	146	0	0.2
	2022/12/05 07:00	0	143	0	0.1
	2022/12/05 08:00	3	149	0	0.2

	2022/12/05 10:00	4.5	170	0	0.1
	2022/12/05 11:00	4.3	163	0	0.1
	2022/12/05 12:00	2.8	151	0	0.5
	2022/12/05 14:00	2.2	160	0	0.5
	2022/12/05 15:00	2	153	0	0.4
	2022/12/05 16:00	1.7	142	0	0.8
	2022/12/05 17:00	1.9	113	0	1.2
	2022/12/05 19:00	0.8	121	0	1.3
	2022/12/05 20:00	1.9	149	0	0.6
	2022/12/05 21:00	2.3	138	0	0.6
	2022/12/05 23:00	2	149	0	0.7
	2022/12/06	1.6	146	0	1.2
	2022/12/06 01:00	1	152	0	1.2
	2022/12/06 03:00	1.2	150	0	1.2
	2022/12/06 04:00	2.2	152	0	0.9
	2022/12/06 05:00	2.2	148	0	0.8
	2022/12/06 07:00	0.8	140	0	0.7
	2022/12/06 08:00	2.4	145	0	0.7
	2022/12/06 09:00	4	156	0	0.4
	2022/12/06 12:00	2	148	0	0.3
	2022/12/06 13:00	1.4	146	0	0.5
	2022/12/06 16:00	3.2	155	0	0.7
	2022/12/06 17:00	3.2	150	0	0.9
	2022/12/06 18:00	2.8	153	0	0.8
	2022/12/06 20:00	1.1	134	0	0.3
	2022/12/06 21:00	1.7	138	0	0.2
	2022/12/06 22:00	1.5	133	0	0.3
	2022/12/07	2.4	149	0	0.4
	2022/12/07 01:00	2.1	148	0	0.5
	2022/12/07 02:00	1.9	142	0	0.3
	2022/12/07 04:00	1.7	142	0	0.7
	2022/12/07 05:00	2.2	143	0	0.7
	2022/12/07 06:00	2.6	150	0	0.8
	2022/12/07 07:00	2.6	141	0	0.7
	2022/12/07 09:00	2.6	154	0	0
	2022/12/07 10:00	4.1	149	0	0
	2022/12/07 11:00	4.5	147	0	0
	2022/12/07 18:00	1.6	153	0	3.4
	2022/12/07 19:00	2.2	159	0	3.8

	2022/12/07 20:00	2.6	150	0	2.7
	2022/12/07 21:00	3.9	146	0	0.2
	2022/12/07 22:00	3	148	0	0.3
	2022/12/07 23:00	3.2	147	0	0.3
	2022/12/08	2.3	139	0	1.2
	2022/12/08 01:00	2.2	153	0	1
	2022/12/08 02:00	2.5	146	0	0.9
	2022/12/08 03:00	2.8	146	0	0.9
	2022/12/08 04:00	2	148	0	0.5
	2022/12/08 06:00	1.9	142	0	0
	2022/12/08 07:00	2.3	132	0	0
	2022/12/08 08:00	1.8	134	0	0.3
	2022/12/08 09:00	1.2	135	0	0.1
	2022/12/08 11:00	1	140	0	0.1
	2022/12/08 12:00	2.1	140	0	0.3
	2022/12/08 13:00	2.6	140	0	0.4
	2022/12/08 15:00	1.4	140	0	0.4
	2022/12/08 16:00	1.7	139	0	0.3
	2022/12/08 17:00	2.1	136	0	0.3
	2022/12/08 19:00	1.6	131	0	0.5
	2022/12/08 20:00	1.7	127	0	0.4
	2022/12/08 21:00	1.7	130	0	0.6
	2022/12/08 23:00	1.5	135	0	0.7
	2022/12/09	2.3	132	0	0.6
	2022/12/09 01:00	2.7	134	0	0.1
	2022/12/09 03:00	3	127	0	0
	2022/12/09 04:00	1.7	130	0	0.2
	2022/12/09 19:00	3.3	143	0	0.8
	2022/12/10 07:00	5.1	106	0	0.5
	2022/12/10 08:00	3.3	128	0	0.4
	2022/12/10 09:00	2	140	0	0.2
	2022/12/10 10:00	2.4	143	0	0.3
	2022/12/10 11:00	2.9	141	0	0.6
	2022/12/10 12:00	2	131	0	0.4
	2022/12/10 13:00	1.1	138	0	0.3
	2022/12/10 14:00	1	139	0	0.3
	2022/12/10 15:00	0.7	142	0	0.4
	2022/12/10 16:00	1.6	135	0	0.2
	2022/12/10 18:00	1.5	136	0	0.4

	2022/12/10 19:00	1.6	138	0	0.3
	2022/12/10 20:00	2.1	139	0	1
	2022/12/10 22:00	2.3	138	0	1
	2022/12/10 23:00	1.8	141	0	1.1
	2022/12/11 01:00	2.6	138	0	0.5
	2022/12/11 02:00	2.3	139	0	0.5
	2022/12/11 03:00	2.4	136	0	0.4
	2022/12/11 04:00	2	137	0	0.8
	2022/12/11 06:00	1.5	133	0	0.9
	2022/12/11 07:00	1.9	129	0	0.9
	2022/12/11 08:00	2.1	135	0	0.5
	2022/12/11 09:00	2.1	133	0	0.1
	2022/12/11 10:00	2.1	141	0	0.2
	2022/12/11 11:00	2.3	134	0	0.1
	2022/12/11 12:00	1.7	126	0	0.7
	2022/12/11 15:00	2.1	130	0	0.3
	2022/12/11 16:00	2.5	130	0	0.6
	2022/12/11 17:00	2.4	120	0	0.7
	2022/12/11 19:00	2.5	134	0	0.6
	2022/12/11 20:00	1.8	123	0	0.6
	2022/12/11 21:00	1.6	121	0	0.3
	2022/12/11 23:00	2.2	123	0	0.5
	2022/12/12	2	123	0	0.2
	2022/12/12 01:00	3.8	112	0	0.2
	2022/12/12 14:00	3.5	142	0	0.7
	2022/12/12 15:00	4.8	145	0	1.2
	2022/12/12 16:00	1.8	136	0	3
	2022/12/12 17:00	1.6	134	0	0
	2022/12/12 18:00	1.9	130	0	0
	2022/12/12 19:00	2.6	138	0	0
	2022/12/12 20:00	1.8	132	0	0
	2022/12/12 21:00	1.7	138	0	0.1
	2022/12/12 22:00	1.8	135	0	0.4
	2022/12/12 23:00	1.3	136	0	0
	2022/12/13 01:00	1.9	137	0	0.1
	2022/12/13 02:00	1.9	141	0	0
	2022/12/13 04:00	2.8	140	0	0.7
	2022/12/13 05:00	2.7	143	0	0.6
	2022/12/13 06:00	2.3	136	0	0.5

	2022/12/15 07:00	3.5	155	0	0.6
	2022/12/15 08:00	2.6	143	0	0.6
	2022/12/15 09:00	3.5	144	0	0.1
	2022/12/15 10:00	5	148	0	0.1
	2022/12/15 11:00	7.4	158	0	0
	2022/12/15 12:00	2.1	142	0	0.4
	2022/12/15 14:00	0	143	0	0.4
	2022/12/15 15:00	0	145	0	0.6
	2022/12/15 16:00	1.4	152	0	0.5
	2022/12/15 17:00	0.6	152	0	0.1
	2022/12/15 18:00	0.6	150	0	0.2
	2022/12/15 19:00	1.1	136	0	0.3
	2022/12/15 20:00	2.1	127	0	0.6
	2022/12/15 21:00	1.4	131	0	0.7
	2022/12/15 23:00	0.3	130	0	0.7
	2022/12/16	2	147	0	0.9
	2022/12/16 01:00	2	148	0	0.2
	2022/12/16 02:00	2.5	154	0	0.2
	2022/12/16 05:00	2.3	134	0	0.4
	2022/12/16 06:00	1.9	137	0	0.3
	2022/12/16 08:00	2.7	146	0	1
	2022/12/16 09:00	2.4	140	0	1.2
	2022/12/16 10:00	2.2	140	0	0.7
	2022/12/16 11:00	3.1	136	0	0.7
	2022/12/16 12:00	1.8	127	0	0.9
	2022/12/16 14:00	1.7	131	0	0.8
	2022/12/16 15:00	1	139	0	0.6
	2022/12/16 16:00	1.7	138	0	0.7
	2022/12/16 17:00	2.2	144	0	0.3
	2022/12/16 19:00	1.3	153	0	0.5
	2022/12/16 20:00	1.9	135	0	0.5
	2022/12/16 21:00	2	129	0	0.3
	2022/12/16 22:00	3	139	0	0.4
	2022/12/16 23:00	3.7	147	0	0.3
	2022/12/17	1.7	137	0	0.3
	2022/12/17 01:00	0.9	141	0	0
	2022/12/17 02:00	0.5	136	0	0.3
	2022/12/17 04:00	1.9	129	0	0.4
	2022/12/17 05:00	1.4	139	0	0.4

	2022/12/17 06:00	0.8	138	0	0.6
	2022/12/17 07:00	0.9	137	0	0.2
	2022/12/17 09:00	2.1	140	0	0.4
	2022/12/18 13:00	2.3	159	0	0.9
	2022/12/18 14:00	2	159	0	0.9
	2022/12/18 15:00	2.5	168	0	1
	2022/12/18 16:00	2	155	0	0.9
	2022/12/18 17:00	1.9	154	0	0.2
	2022/12/18 18:00	2.5	148	0	0.2
	2022/12/18 19:00	2.6	166	0	0
	2022/12/18 20:00	2.2	164	0	0.6
	2022/12/18 23:00	1.7	162	0	1.2
	2022/12/19	2	147	0	0.7
	2022/12/19 01:00	2.3	155	0	0
	2022/12/19 02:00	3.1	155	0	1
	2022/12/19 04:00	2.6	153	0	0.6
	2022/12/19 05:00	2.1	149	0	0.6
	2022/12/19 06:00	2.4	148	0	0.4
	2022/12/19 08:00	4.9	121	0	0.3
	2022/12/19 09:00	3.4	140	0	0.4
	2022/12/19 10:00	2.2	141	0	0.1
	2022/12/19 12:00	2.2	159	0	0.3
	2022/12/19 13:00	3	162	0	0.2
	2022/12/19 14:00	2.9	155	0	0.4
	2022/12/19 20:00	2.4	160	0	0.5
	2022/12/20 10:00	5.2	154	0	1.4
	2022/12/20 11:00	5.4	160	0	0.9
	2022/12/20 12:00	2.4	155	0	1
	2022/12/20 13:00	1.9	148	0	0.2
	2022/12/20 14:00	2.6	139	0	0.2
	2022/12/20 15:00	2.5	157	0	0.3
	2022/12/20 16:00	1.7	148	0	0.5
	2022/12/20 17:00	1.7	143	0	0.5
	2022/12/20 18:00	1	152	0	0.7
	2022/12/20 19:00	0.7	155	0	0.6
	2022/12/20 21:00	2.3	159	0	0.9
	2022/12/20 22:00	2.7	149	0	0.8
	2022/12/20 23:00	3.4	160	0	0.9
	2022/12/21 01:00	2.6	154	0	0.6

	2022/12/21 02:00	1.4	154	0	0.4
	2022/12/21 03:00	1.1	156	0	0.4
	2022/12/21 05:00	3.8	137	0	0.3
	2022/12/21 06:00	1.7	147	0	0.4
	2022/12/21 07:00	1.1	148	0	0.4
	2022/12/21 09:00	2.5	157	0	0.1
	2022/12/21 10:00	3.2	156	0	0
	2022/12/22 03:00	2.8	160	0	1.7
	2022/12/22 04:00	3	167	0	0.9
	2022/12/22 05:00	4.7	173	0	0.5
	2022/12/22 06:00	6.1	181	0	0.7
	2022/12/22 07:00	6.5	168	0	0.5
	2022/12/22 08:00	3.3	162	0	0.3
	2022/12/22 09:00	7.3	149	0	0
	2022/12/22 10:00	10.5	165	0	0
	2022/12/22 11:00	14.2	160	0	0
	2022/12/22 12:00	5.8	120	0	0.3
	2022/12/27 10:00	5.7	162	0	0.9
	2022/12/27 11:00	5	150	0	0.6
	2022/12/27 12:00	3.5	141	0	0.5
	2022/12/27 13:00	3.4	152	0	0.7
	2022/12/27 14:00	2.9	156	0	0.7
	2022/12/27 15:00	4.3	157	0	0.5
	2022/12/27 16:00	1.9	149	0	1.4
	2022/12/27 17:00	2	143	0	0
	2022/12/27 18:00	1.5	166	0	0.3
	2022/12/27 20:00	2	168	0	0.4
	2022/12/27 21:00	2.9	161	0	0.5
	2022/12/27 22:00	3.3	164	0	0.7
	2022/12/27 23:00	2.7	164	0	0.6
	2022/12/28	2.2	166	0	0.4
	2022/12/28 02:00	2.7	168	0	0.4
	2022/12/28 03:00	2.8	177	0	0.3
	2022/12/28 04:00	1.9	168	0	0.6
	2022/12/28 06:00	1.5	167	0	0.4
	2022/12/28 07:00	1.5	168	0	0.1
	2022/12/28 08:00	2.5	172	0	0.4
	2022/12/28 10:00	2.7	173	0	0.3
	2022/12/28 11:00	3	174	0	0.5

	2022/12/28 12:00	2.5	170	0	0.4
	2022/12/28 13:00	2.6	164	0	1.3
	2022/12/28 15:00	1.7	172	0	0.8
	2022/12/28 16:00	2.1	172	0	0.7
	2022/12/28 17:00	6.2	135	0	0.9
	2022/12/28 18:00	1.2	162	0	1.3
	2022/12/28 19:00	1.3	162	0	0.9
	2022/12/28 21:00	2.1	160	0	0.3
	2022/12/28 22:00	2.5	157	0	0.4
	2022/12/29	2.3	160	0	0.5
	2022/12/29 01:00	2.1	165	0	0.3
	2022/12/29 02:00	2	157	0	0.5
	2022/12/29 03:00	1.6	152	0	0.4
	2022/12/29 04:00	3.1	147	0	0.9
	2022/12/29 06:00	1.2	157	0	1.2
	2022/12/29 07:00	0.2	149	0	1.4
	2022/12/29 08:00	1.6	164	0	1.1
	2022/12/29 10:00	2.8	157	0	0.5
	2022/12/29 11:00	5.8	156	0	0.4
	2022/12/31 10:00	5.9	186	0	0.5
	2022/12/31 11:00	6.6	185	0	0.3
	2022/12/31 12:00	2.8	168	0	0.8
	2022/12/31 13:00	1.9	169	0	0.7
	2022/12/31 14:00	1.5	161	0	0.9
	2022/12/31 15:00	5.4	132	0	0.7
	2022/12/31 16:00	4.5	133	0	0.5
	2022/12/31 17:00	1.3	157	0	0.4
	2022/12/31 18:00	0.7	154	0	0.4
	2022/12/31 19:00	0.6	149	0	0.3
	2022/12/31 20:00	2.2	150	0	0.7
	2022/12/31 22:00	2.1	162	0	0.4
	2022/12/31 23:00	4.3	146	0	0.4
Unit 22	2022/12/01 06:00	1.4	174	0	1.2
	2022/12/01 07:00	1.2	154	0	1.1
	2022/12/01 08:00	1.6	161	0	1.4
	2022/12/01 09:00	1.9	154	0	2
	2022/12/01 10:00	3.5	134	0	2.1

	2022/12/01 11:00	4.8	146	0	3.1
	2022/12/01 12:00	1.9	165	0	1.5
	2022/12/01 13:00	1.9	166	0	1.6
	2022/12/01 14:00	1.7	161	0	1.1
	2022/12/01 16:00	1.7	181	0	1.2
	2022/12/01 17:00	1.4	157	0	0.7
	2022/12/01 18:00	1.6	170	0	0.9
	2022/12/01 20:00	1.4	177	0	0.5
	2022/12/01 21:00	1.4	165	0	0.3
	2022/12/02 06:00	1.2	148	0	0.9
	2022/12/02 07:00	1.3	149	0	1
	2022/12/02 08:00	1.7	153	0	0.6
	2022/12/02 09:00	1.9	159	0	1
	2022/12/02 10:00	1.6	161	0	0.5
	2022/12/02 11:00	1.7	158	0	1
	2022/12/02 12:00	1.6	160	0	0.4
	2022/12/02 13:00	1.4	158	0	0.4
	2022/12/02 14:00	1.4	159	0	0.3
	2022/12/02 16:00	1.6	195	0	0.4
	2022/12/03 13:00	1.5	195	0	1.6
	2022/12/03 14:00	1.5	187	0	1.3
	2022/12/03 15:00	1.4	189	0	1.1
	2022/12/03 16:00	1.9	174	0	0.5
	2022/12/03 17:00	1.6	176	0	0.2
	2022/12/03 18:00	1.6	180	0	0.2
	2022/12/03 19:00	4.1	174	0	0.2
	2022/12/03 20:00	2.2	186	0	0.4
	2022/12/03 22:00	2	182	0	0
	2022/12/03 23:00	1.1	185	0	0
	2022/12/04	2	182	0	0.8
	2022/12/04 02:00	1.4	207	0	0.9
	2022/12/04 03:00	1.4	208	0	1.1
	2022/12/04 04:00	1.9	205	0	0.7
	2022/12/04 05:00	2	203	0	0.7
	2022/12/04 07:00	2.2	198	0	1
	2022/12/04 08:00	1.8	194	0	0.8
	2022/12/04 09:00	1.9	206	0	1.1
	2022/12/05	1.4	194	0	0.5
	2022/12/05 01:00	1.4	190	0	0.1

	2022/12/05 02:00	1.9	168	0	0.2
	2022/12/05 03:00	1.9	179	0	0.3
	2022/12/05 05:00	2.1	199	0	1.4
	2022/12/05 06:00	2	202	0	1.3
	2022/12/05 07:00	1.9	200	0	1.1
	2022/12/05 08:00	2.6	205	0	3
	2022/12/05 10:00	4.2	190	0	5.9
	2022/12/05 11:00	4.1	207	0	5.9
	2022/12/05 12:00	2.6	199	0	1.7
	2022/12/05 14:00	1.9	193	0	0.4
	2022/12/05 15:00	2.2	190	0	0.9
	2022/12/05 16:00	2.2	196	0	1.2
	2022/12/05 17:00	10	151	0	1
	2022/12/05 19:00	1.1	198	0	0.3
	2022/12/05 20:00	1.8	210	0	0.8
	2022/12/05 21:00	2.2	189	0	0.8
	2022/12/06	1.9	204	0	0.4
	2022/12/06 01:00	1.7	208	0	0.6
	2022/12/06 03:00	1.7	206	0	0.5
	2022/12/06 04:00	2.1	205	0	1.5
	2022/12/06 05:00	2.3	190	0	1.2
	2022/12/06 07:00	2	171	0	1.2
	2022/12/06 08:00	2.5	176	0	2.1
	2022/12/06 09:00	3.5	191	0	4
	2022/12/06 11:00	4.4	201	0	5.6
	2022/12/06 12:00	2.3	190	0	1
	2022/12/06 13:00	2.2	188	0	1
	2022/12/06 15:00	1.9	218	0	0.6
	2022/12/06 16:00	1.3	216	0	0.3
	2022/12/06 17:00	1.1	198	0	0
	2022/12/06 18:00	0.8	204	0	0
	2022/12/06 20:00	2.1	192	0	0.7
	2022/12/06 21:00	1.7	192	0	0.7
	2022/12/06 22:00	1.8	185	0	0.7
	2022/12/07	1.8	218	0	1
	2022/12/07 01:00	1.9	207	0	1.2
	2022/12/07 02:00	2.3	198	0	1
	2022/12/07 04:00	2.1	213	0	0.5
	2022/12/07 05:00	1.9	202	0	0.4

	2022/12/07 06:00	1.7	215	0	0.7
	2022/12/07 07:00	2	196	0	0.7
	2022/12/07 09:00	2.7	211	0	1.1
	2022/12/07 15:00	1.7	181	0	0.6
	2022/12/07 16:00	1.7	174	0	0.3
	2022/12/07 17:00	1.5	177	0	0.3
	2022/12/07 18:00	2.8	191	0	0.3
	2022/12/07 19:00	1.4	206	0	0.4
	2022/12/07 20:00	1.8	200	0	0.8
	2022/12/07 21:00	2.3	184	0	1.7
	2022/12/07 22:00	2.2	190	0	1.8
	2022/12/07 23:00	2.2	190	0	2.1
	2022/12/08 01:00	2.3	213	0	1.7
	2022/12/08 02:00	1.9	201	0	1.8
	2022/12/08 03:00	1.3	199	0	1
	2022/12/08 04:00	1.8	213	0	1.2
	2022/12/08 06:00	1.8	194	0	1
	2022/12/08 07:00	1.7	177	0	0.9
	2022/12/08 08:00	2.9	185	0	2.5
	2022/12/08 09:00	4.2	190	0	4.1
	2022/12/08 11:00	4.1	193	0	4.6
	2022/12/08 12:00	2.1	196	0	1.5
	2022/12/08 13:00	2.5	190	0	1.8
	2022/12/08 15:00	2.6	187	0	2
	2022/12/08 16:00	1.3	183	0	0.5
	2022/12/08 17:00	1.3	179	0	0.5
	2022/12/08 19:00	1.1	171	0	0.1
	2022/12/08 20:00	1.8	177	0	0.5
	2022/12/08 21:00	1.7	181	0	0.4
	2022/12/08 23:00	1.4	192	0	0.7
	2022/12/09	1.9	182	0	1
	2022/12/09 01:00	1.7	185	0	0.9
	2022/12/09 03:00	2.3	175	0	1.1
	2022/12/09 04:00	1.7	179	0	0.7
	2022/12/09 19:00	1.3	195	0	0.7
	2022/12/10 07:00	10.5	139	0	0.8
	2022/12/10 08:00	6.3	176	0	0.5
	2022/12/10 09:00	2.2	195	0	0.7
	2022/12/10 10:00	2.1	205	0	0.4

	2022/12/10 11:00	2.2	203	0	0.5
	2022/12/10 12:00	2.2	175	0	0.4
	2022/12/10 13:00	2	188	0	0.4
	2022/12/10 14:00	1.8	187	0	0.6
	2022/12/10 15:00	1.5	195	0	0.2
	2022/12/10 17:00	1.6	192	0	0.7
	2022/12/10 18:00	1.6	180	0	0.8
	2022/12/10 19:00	1.2	192	0	0.5
	2022/12/10 21:00	1.8	206	0	0.7
	2022/12/10 22:00	1.7	202	0	0.8
	2022/12/10 23:00	1.7	200	0	0.8
	2022/12/11 01:00	2	197	0	0.4
	2022/12/11 02:00	1.7	201	0	0.5
	2022/12/11 03:00	1.7	200	0	0.7
	2022/12/11 06:00	1.9	206	0	0.3
	2022/12/11 07:00	2	201	0	0.3
	2022/12/11 08:00	1.6	195	0	0.5
	2022/12/11 09:00	1.7	188	0	0.5
	2022/12/11 10:00	1.6	205	0	0.7
	2022/12/11 11:00	1.7	188	0	0.7
	2022/12/11 12:00	1.8	186	0	1.4
	2022/12/11 13:00	2	184	0	1.5
	2022/12/11 15:00	1.8	187	0	1.9
	2022/12/11 16:00	1.9	190	0	0.8
	2022/12/11 17:00	2.2	170	0	0.7
	2022/12/11 19:00	1.5	193	0	0.5
	2022/12/11 20:00	1.6	182	0	0.9
	2022/12/11 21:00	1.6	176	0	1
	2022/12/11 23:00	1.7	182	0	1.2
	2022/12/12	1.9	175	0	0.4
	2022/12/12 01:00	5	160	0	0.2
	2022/12/12 15:00	2.1	202	0	1.7
	2022/12/12 16:00	1.9	197	0	0.6
	2022/12/12 17:00	2.2	198	0	1
	2022/12/12 18:00	2.6	191	0	1.4
	2022/12/12 19:00	2.4	196	0	1
	2022/12/12 20:00	1.9	199	0	1.3
	2022/12/12 21:00	2.4	202	0	1.6
	2022/12/12 22:00	2.7	192	0	1.9

	2022/12/12 23:00	2.2	200	0	1.4
	2022/12/13 01:00	1.8	195	0	1.2
	2022/12/13 02:00	1.4	202	0	0.7
	2022/12/13 04:00	1.7	207	0	1.2
	2022/12/13 05:00	1.6	201	0	1.2
	2022/12/13 06:00	1.7	183	0	1.2
	2022/12/15 07:00	2.6	233	0	3
	2022/12/15 08:00	3.1	88	0	2.8
	2022/12/15 09:00	84	48	0	8.2
	2022/12/15 10:00	1.5	205	0	1.5
	2022/12/15 11:00	4.1	218	0	5.9
	2022/12/15 12:00	1.7	218	0	1.1
	2022/12/15 14:00	1	217	0	0.2
	2022/12/15 15:00	0.6	221	0	0
	2022/12/15 16:00	1.5	223	0	0.3
	2022/12/15 17:00	1.4	223	0	0.3
	2022/12/15 18:00	1.4	222	0	0.2
	2022/12/15 19:00	1.6	207	0	0.3
	2022/12/15 20:00	1.6	190	0	0.6
	2022/12/15 22:00	0.7	189	0	0.3
	2022/12/15 23:00	0.7	190	0	0.2
	2022/12/16	1.9	216	0	0.9
	2022/12/16 01:00	1.9	213	0	0.9
	2022/12/16 02:00	2	221	0	1.1
	2022/12/16 04:00	1.6	220	0	0.7
	2022/12/16 05:00	1.6	197	0	0.6
	2022/12/16 06:00	1.5	199	0	0.5
	2022/12/16 08:00	1.9	207	0	0.4
	2022/12/16 09:00	1.7	204	0	0.3
	2022/12/16 10:00	1.9	207	0	0.4
	2022/12/16 11:00	2.8	201	0	1.3
	2022/12/16 13:00	2	212	0	0.9
	2022/12/16 14:00	2.5	205	0	1.5
	2022/12/16 15:00	2	214	0	0.8
	2022/12/16 16:00	1.8	208	0	0.6
	2022/12/16 19:00	1.8	213	0	0.8
	2022/12/16 20:00	1.7	198	0	0.7
	2022/12/16 21:00	1.7	190	0	0.8
	2022/12/16 22:00	1.5	210	0	0.6

	2022/12/16 23:00	1.3	212	0	0.6
	2022/12/17	1.6	212	0	0.2
	2022/12/17 01:00	1.8	225	0	0.5
	2022/12/17 02:00	2	210	0	0.7
	2022/12/17 04:00	1.6	198	0	0.5
	2022/12/17 05:00	0.9	214	0	0.3
	2022/12/17 06:00	0.6	217	0	0
	2022/12/17 07:00	0.4	226	0	0.1
	2022/12/17 09:00	1.3	201	0	0.2
	2022/12/18 13:00	1.2	232	0	1.4
	2022/12/18 14:00	0.7	225	0	1
	2022/12/18 15:00	0.7	233	0	0.6
	2022/12/18 16:00	2	227	0	1.2
	2022/12/18 17:00	1.8	224	0	0.7
	2022/12/18 18:00	1.2	223	0	0.4
	2022/12/18 19:00	0.9	218	0	0.2
	2022/12/18 20:00	1.6	220	0	0.4
	2022/12/18 21:00	1.4	220	0	0.2
	2022/12/18 22:00	1.4	219	0	0.3
	2022/12/19 01:00	1	216	0	0.2
	2022/12/19 02:00	1.2	218	0	0.2
	2022/12/19 04:00	1.6	220	0	0.4
	2022/12/19 05:00	1.6	218	0	0.4
	2022/12/19 06:00	1.4	217	0	0.4
	2022/12/20 14:00	6.7	170	0	1.6
	2022/12/20 15:00	9.1	163	0	1.3
	2022/12/20 16:00	10	169	0	0.6
	2022/12/20 17:00	9.1	168	0	0.8
	2022/12/20 18:00	9.4	167	0	0.6
	2022/12/20 19:00	9.6	168	0	0.4
	2022/12/20 20:00	9.7	169	0	0.3
	2022/12/20 21:00	9.3	169	0	0.4
	2022/12/20 22:00	9.1	169	0	0.4
	2022/12/20 23:00	8.8	168	0	0.4
	2022/12/21 01:00	2.7	174	0	0.4
	2022/12/21 02:00	2.7	174	0	0.6
	2022/12/21 05:00	6.3	170	0	0.7
	2022/12/21 06:00	6	169	0	0.8
	2022/12/21 07:00	5.5	169	0	0.5

	2022/12/21 09:00	3.4	200	0	3.9
	2022/12/21 10:00	3.1	225	0	4.1
	2022/12/27 12:00	2.1	192	0	1.1
	2022/12/27 13:00	1.9	197	0	0.9
	2022/12/27 14:00	1.7	202	0	0.7
	2022/12/27 15:00	1.5	197	0	0.5
	2022/12/27 16:00	2	190	0	0.6
	2022/12/27 17:00	2.3	185	0	0.7
	2022/12/27 18:00	1.6	207	0	0.5
	2022/12/27 19:00	1.4	207	0	0.5
	2022/12/27 20:00	1.4	205	0	0.4
	2022/12/27 22:00	1.6	225	0	0.5
	2022/12/27 23:00	1.5	220	0	0.4
	2022/12/28	1.7	226	0	0.5
	2022/12/28 02:00	1.9	229	0	1.1
	2022/12/28 03:00	1.5	226	0	0.7
	2022/12/28 04:00	1.7	228	0	0.9
	2022/12/28 06:00	2.3	221	0	0.8
	2022/12/28 07:00	1.4	223	0	0.8
	2022/12/28 08:00	2.3	224	0	1.8
	2022/12/28 10:00	3.6	217	0	3.6
	2022/12/28 11:00	4.1	226	0	4.5
	2022/12/28 12:00	1.1	215	0	0.6
	2022/12/28 13:00	0.8	211	0	0.3
	2022/12/28 14:00	0.9	214	0	0.3
	2022/12/28 16:00	1.6	217	0	0.9
	2022/12/28 17:00	8.6	173	0	0.7
	2022/12/28 18:00	1.8	207	0	1.1
	2022/12/28 20:00	2.7	208	0	0.9
	2022/12/28 21:00	2.6	213	0	0.9
	2022/12/28 22:00	3.2	203	0	1
	2022/12/29	1.6	214	0	0.6
	2022/12/29 02:00	1.2	191	0	0.2
	2022/12/29 03:00	1.1	188	0	0.1
	2022/12/29 04:00	2.4	191	0	1.7
	2022/12/29 06:00	2	193	0	1.3
	2022/12/29 07:00	1.8	193	0	1.3
	2022/12/29 08:00	1.9	194	0	1.6
	2022/12/29 09:00	2	195	0	1.3

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 December 2022 in mg/Nm³

Unit	NO _x	SO ₂
11	127.71	2.08
12	161.83	2.69
13	117.94	2.11
21	144.27	1.38
22	187.36	1.91

4. Comments on the performance and availability of each unit

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

5. Load Factor: 26.74%

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

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