

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

Date:  
17 October 2022

Enquiries:  
021 573 6162

Ref: GOU/2022/09

Dear Dr Schoeman

### GOURIKWA POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF SEPTEMBER 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 September 2022 and covers Particulate Matter, CO, SO<sub>2</sub> and NO<sub>x</sub> (as NO<sub>2</sub>) 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	61 932 807.36
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	201 308.64
	Fuel use per hour per unit (L)	Fuel Efficiency: Litre per MWh		
	Unit 11: 37 115.45 Unit 12: 34 773.28 Unit 13: 36 733.71 Unit 21: 37 035.94 Unit 22: 37 202.77		Unit 11:315.95 Unit 12:307.85 Unit 13:293.79 Unit 21:312.86 Unit 22:310.02	

**Generation Division**  
Peaking Business Unit  
15 Pasita Street, Rosenpark, Tygervalley, 7536.  
PO Box 3487, Tygerpark, Western Cape 7536 SA  
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## 2. Abatement Technology

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

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 <sup>3</sup> )	NO <sub>x</sub> (mg/Nm <sup>3</sup> )	PM (mg/Nm <sup>3</sup> )	SO <sub>2</sub> (mg/Nm <sup>3</sup> )
<b>Hourly Licence Limit mg/Nm<sup>3</sup></b>			<b>250</b>	<b>50</b>	<b>500</b>
<b>Unit 11</b>	2022/09/05 19:00	1.4	161	0.1	0.2
	2022/09/05 20:00	1.3	157	0.1	0.1
	2022/09/05 21:00	1.3	129	0.1	0
	2022/09/06 07:00	1.8	144	0.1	2.5
	2022/09/06 18:00	0.1	148	0.1	0
	2022/09/06 19:00	0.2	135	0.1	0.3
	2022/09/06 20:00	1.3	136	0.1	0.7
	2022/09/06 21:00	1.2	121	0.1	0.3
	2022/09/06 22:00	1.2	139	0.1	0.9
	2022/09/06 23:00	1.4	137	0.1	1.5
	2022/09/07 08:00	0.5	151	0.1	0.3
	2022/09/07 20:00	1.1	148	0.1	0.2
	2022/09/07 21:00	0.9	130	0.1	0.1
	2022/09/07 22:00	1	118	0.1	0.1
	2022/09/07 23:00	0.9	141	0.1	0.2
	2022/09/08 19:00	0.5	141	0.1	0.3
	2022/09/08 20:00	1.4	132	0.1	0.5
	2022/09/08 21:00	1.3	117	0.1	0.2
	2022/09/08 22:00	1.2	113	0.1	0.1
	2022/09/08 23:00	1.2	118	0.1	0.2
	2022/09/09	0.8	146	0.1	0
	2022/09/09 01:00	0.7	147	0.1	0.1

	2022/09/09 02:00	0.8	147	0.1	0.1
	2022/09/09 04:00	0.9	149	0.1	0.8
	2022/09/09 05:00	0.9	149	0.1	0.8
	2022/09/09 06:00	1	151	0.1	1.2
	2022/09/09 08:00	1.3	151	0.1	0.6
	2022/09/09 09:00	1.1	146	0.1	0.3
	2022/09/09 10:00	0.7	102	0.1	0.6
	2022/09/09 11:00	1.7	136	0.1	4.1
	2022/09/09 13:00	1.2	144	0.1	3.7
	2022/09/09 14:00	1.2	145	0.1	4.3
	2022/09/09 15:00	1.1	105	0.1	4.8
	2022/09/09 17:00	1.3	123	0.1	0.6
	2022/09/09 18:00	1.2	144	0.1	0.3
	2022/09/09 19:00	1	145	0.1	0.1
	2022/09/09 20:00	1.1	151	0.1	0.2
	2022/09/09 22:00	0.6	125	0.1	0
	2022/09/09 23:00	0.4	141	0.1	0.8
	2022/09/10	1	140	0.1	1.3
	2022/09/10 01:00	1.1	128	0.1	1.2
	2022/09/10 02:00	1	137	0.1	0.4
	2022/09/10 04:00	0.6	134	0.1	0.4
	2022/09/10 05:00	0.6	135	0.1	0.7
	2022/09/10 06:00	0.7	134	0.1	0.8
	2022/09/10 09:00	0.5	121	0.1	0
	2022/09/10 10:00	0.7	125	0.1	0.3
	2022/09/10 11:00	1	120	0.1	2.2
	2022/09/10 13:00	1.7	132	0.1	1.8
	2022/09/10 14:00	1.5	126	0.1	2.5
	2022/09/10 15:00	1.7	146	0.1	3
	2022/09/10 18:00	1.4	132	0.1	0.2
	2022/09/10 19:00	1.2	138	0.1	0.1
	2022/09/10 20:00	0.3	123	0.1	0
	2022/09/10 22:00	0	107	0.1	0
	2022/09/11 09:00	0.7	138	0.1	1.4
	2022/09/11 10:00	1.6	135	0.1	5.3
	2022/09/11 11:00	2	115	0.1	8.7
	2022/09/12 08:00	0.3	152	0.1	0
	2022/09/12 09:00	1	140	0.1	3.8
	2022/09/12 15:00	1.4	162	0.1	4.1

	2022/09/12 16:00	0.9	141	0.1	1.2
	2022/09/12 17:00	1.2	140	0.1	2.3
	2022/09/12 18:00	1.2	145	0.1	2.5
	2022/09/12 19:00	1.1	152	0.1	1.6
	2022/09/12 20:00	0.3	151	0.1	0.1
	2022/09/12 21:00	0.1	147	0.1	0
	2022/09/12 22:00	0	145	0.1	0
	2022/09/13 07:00	1.2	155	0.1	0.5
	2022/09/13 08:00	0.8	118	0.1	2.9
	2022/09/13 09:00	1.3	116	0.1	5.1
	2022/09/13 10:00	1.9	130	0.1	7.8
	2022/09/13 11:00	1.9	124	0.1	10.4
	2022/09/13 12:00	1.3	146	0.1	0.4
	2022/09/13 13:00	1.8	125	0.1	1.3
	2022/09/13 14:00	1.9	141	0.1	1.6
	2022/09/13 15:00	1.7	140	0.1	1.4
	2022/09/13 17:00	0.8	118	0.1	1.2
	2022/09/13 18:00	0.8	141	0.1	0.9
	2022/09/13 19:00	0.8	133	0.1	0.3
	2022/09/13 20:00	0.3	144	0.1	0.1
	2022/09/13 22:00	0	134	0.1	0
	2022/09/13 23:00	0.5	123	0.1	0
	2022/09/14 07:00	1.1	139	0.1	1
	2022/09/14 08:00	0.8	107	0.1	0.3
	2022/09/14 17:00	0.9	132	0.1	0
	2022/09/14 18:00	0.6	132	0.1	0
	2022/09/14 19:00	0.4	136	0.1	0.2
	2022/09/14 20:00	0.4	127	0.1	0.2
	2022/09/14 21:00	0.3	126	0.1	0.1
	2022/09/14 22:00	0.2	126	0.1	0.1
	2022/09/14 23:00	0.3	127	0.1	0.1
	2022/09/15	0.8	125	0.1	0.2
	2022/09/15 01:00	0.7	124	0.1	0.2
	2022/09/15 03:00	0.7	149	0.1	0
	2022/09/15 04:00	0.6	155	0.1	0
	2022/09/15 05:00	0.1	153	0.1	0
	2022/09/15 06:00	0	149	0.1	0
	2022/09/15 08:00	0.5	113	0.1	0
	2022/09/15 09:00	0.9	111	0.1	2.6

	2022/09/15 10:00	1.9	110	0.1	5.9
	2022/09/15 11:00	1.9	113	0.1	6.2
	2022/09/15 17:00	1.1	115	0.1	1
	2022/09/15 18:00	1.2	111	0.1	1.2
	2022/09/15 19:00	1.2	134	0.1	2.1
	2022/09/15 20:00	0.4	105	0.1	1.8
	2022/09/15 21:00	0.3	101	0.1	0.8
	2022/09/15 22:00	0.3	100	0.1	0.2
	2022/09/15 23:00	0.4	102	0.1	0.2
	2022/09/16	0.8	116	0.1	0.1
	2022/09/16 02:00	0.2	131	0.1	0
	2022/09/16 03:00	0.2	128	0.1	0.3
	2022/09/16 04:00	0.6	114	0.1	0.2
	2022/09/16 06:00	0.7	131	0.1	0.7
	2022/09/16 07:00	0.7	119	0.1	0.3
	2022/09/16 08:00	1	114	0.1	0.6
	2022/09/16 09:00	1.1	113	0.1	0.4
	2022/09/16 10:00	0.8	109	0.1	0.7
	2022/09/16 11:00	1.3	116	0.1	3.5
	2022/09/16 13:00	2	132	0.1	3.5
	2022/09/16 14:00	2.4	119	0.1	5.5
	2022/09/16 15:00	2.2	116	0.1	5.8
	2022/09/16 16:00	1.1	115	0.1	0.1
	2022/09/16 18:00	1.3	133	0.1	0.7
	2022/09/16 19:00	1.4	131	0.1	0.9
	2022/09/16 20:00	0.7	113	0.1	0
	2022/09/16 22:00	0.4	113	0.1	0
	2022/09/16 23:00	0.5	116	0.1	0.4
	2022/09/17	0.2	130	0.1	0.4
	2022/09/17 02:00	0.2	135	0.1	0.3
	2022/09/17 03:00	0.2	136	0.1	0.2
	2022/09/17 04:00	0.3	142	0.1	0
	2022/09/17 07:00	0.3	124	0.1	0
	2022/09/17 08:00	1.1	128	0.1	0.1
	2022/09/17 09:00	1	129	0.1	0.2
	2022/09/17 10:00	1.1	131	0.1	0.2
	2022/09/17 11:00	1.3	131	0.1	1.2
	2022/09/17 14:00	0.9	144	0.1	1
	2022/09/17 15:00	0.8	129	0.1	0.7

	2022/09/17 17:00	1	142	0.1	0.2
	2022/09/17 18:00	0.7	121	0.1	0.1
	2022/09/17 19:00	0.8	115	0.1	0
	2022/09/17 21:00	0.7	122	0.1	0
	2022/09/17 22:00	0.5	125	0.1	0
	2022/09/17 23:00	0.4	141	0.1	0.4
	2022/09/18 01:00	0.1	123	0.1	0.1
	2022/09/18 04:00	0.8	124	0.1	0
	2022/09/18 05:00	0.7	138	0.1	0.1
	2022/09/18 06:00	0.8	117	0.1	0.1
	2022/09/18 07:00	0.9	136	0.1	0.3
	2022/09/18 08:00	1	140	0.1	0.2
	2022/09/18 09:00	1.2	126	0.1	0.2
	2022/09/18 10:00	1.1	134	0.1	0.2
	2022/09/18 11:00	1.1	140	0.1	0.8
	2022/09/18 12:00	0.9	128	0.1	1.7
	2022/09/19 18:00	1.3	153	0.1	2
	2022/09/19 19:00	1.3	148	0.1	2
	2022/09/19 20:00	1.3	152	0.1	0.2
	2022/09/19 21:00	1.4	150	0.1	0.2
	2022/09/20 07:00	1.7	157	0.1	0.8
	2022/09/20 08:00	0.2	145	0.1	0.2
	2022/09/20 09:00	0.8	147	0.1	2.6
	2022/09/20 10:00	1.3	148	0.1	4.7
	2022/09/20 11:00	1.2	148	0.1	4.3
	2022/09/20 12:00	1.1	156	0.1	1.4
	2022/09/20 13:00	1.6	151	0.1	2.8
	2022/09/20 14:00	1.6	157	0.1	2.7
	2022/09/20 15:00	1.3	140	0.1	2.4
	2022/09/20 17:00	1	148	0.1	0.1
	2022/09/20 18:00	1.1	145	0.1	0
	2022/09/20 19:00	0.8	142	0.1	0
	2022/09/20 21:00	0	142	0.1	0
	2022/09/20 22:00	0	136	0.1	0
	2022/09/20 23:00	0.2	137	0.1	0.2
	2022/09/21 08:00	0.4	157	0.1	0.6
	2022/09/21 09:00	1.5	161	0.1	5.1
	2022/09/21 10:00	2.2	132	0.1	8.7
	2022/09/21 11:00	2	135	0.1	10.6

	2022/09/21 12:00	1.1	136	0.1	2.6
	2022/09/21 13:00	1.6	119	0.1	5.8
	2022/09/21 14:00	1.8	125	0.1	6.9
	2022/09/21 15:00	1.8	134	0.1	6.8
	2022/09/21 17:00	0.8	140	0.1	0
	2022/09/21 18:00	0.2	127	0.1	0
	2022/09/21 19:00	0.2	139	0.1	0.7
	2022/09/21 22:00	0.4	114	0.1	0.7
	2022/09/21 23:00	0.6	142	0.1	1.1
	2022/09/22	0.8	149	0.1	0.2
	2022/09/22 07:00	1	133	0.1	0.4
	2022/09/22 08:00	0.2	112	0.1	0.3
	2022/09/23 07:00	1.1	143	0.1	2
	2022/09/23 08:00	0.6	120	0.1	0.3
	2022/09/23 09:00	0.7	122	0.1	1.1
	2022/09/23 10:00	1.3	125	0.1	4.8
	2022/09/23 11:00	1.8	126	0.1	7.4
	2022/09/23 18:00	0.2	144	0.1	0
	2022/09/23 19:00	0.3	136	0.1	0.6
	2022/09/23 20:00	1	131	0.1	0.9
	2022/09/23 21:00	1.1	137	0.1	1.2
	2022/09/27 16:00	1.3	146	0.1	0.1
	2022/09/27 17:00	1.3	141	0.1	0.1
	2022/09/27 18:00	1.3	139	0.1	0.2
	2022/09/27 19:00	1.4	129	0.1	0.3
	2022/09/27 20:00	0.7	120	0.1	0.1
	2022/09/27 21:00	0.7	116	0.1	0.2
	2022/09/27 22:00	0.7	111	0.1	0
	2022/09/27 23:00	0.7	117	0.1	0.7
	2022/09/28	0.4	102	0.1	1
<b>Unit 12</b>	2022/09/05 19:00	0.8	190	0	0.2
	2022/09/05 20:00	2.2	185	0	0.3
	2022/09/05 21:00	1.8	152	0	0.1
	2022/09/06 07:00	2.5	152	0	0.4
	2022/09/06 19:00	0	167	0	0
	2022/09/06 20:00	2.3	162	0	0
	2022/09/06 21:00	4	134	0	0

	2022/09/06 22:00	3.7	160	0	0
	2022/09/06 23:00	7.7	151	0	0.2
	2022/09/07 08:00	1.3	179	0	0.3
	2022/09/07 18:00	0.6	167	0	0
	2022/09/07 19:00	0	164	0	0
	2022/09/07 20:00	2.7	167	0	1.3
	2022/09/07 21:00	2.5	151	0	0.1
	2022/09/07 22:00	3	132	0	0
	2022/09/07 23:00	2.3	154	0	0
	2022/09/08 08:00	4.1	164	0	0.4
	2022/09/08 19:00	0	160	0	0
	2022/09/08 20:00	3.3	146	0	0.5
	2022/09/08 21:00	3.3	125	0	0.2
	2022/09/08 22:00	3.6	120	0	0.2
	2022/09/08 23:00	1.8	141	0	0
	2022/09/09	3.4	121	0	1
	2022/09/09 01:00	2.9	150	0	0.5
	2022/09/09 02:00	3.3	143	0	0.7
	2022/09/09 03:00	3	143	0	0.6
	2022/09/09 05:00	3.3	144	0	0.2
	2022/09/09 06:00	2.9	142	0	0.1
	2022/09/09 07:00	3	138	0	0.2
	2022/09/09 09:00	1.9	160	0	0.2
	2022/09/09 10:00	5.6	103	0	0
	2022/09/09 11:00	5.3	149	0	0.3
	2022/09/09 13:00	3.8	148	0	0.5
	2022/09/09 14:00	4.6	149	0	0.9
	2022/09/09 16:00	3.4	154	0	0.9
	2022/09/09 17:00	2.1	138	0	0.1
	2022/09/09 18:00	1.8	148	0	0
	2022/09/09 19:00	1.7	144	0	0
	2022/09/09 20:00	2.1	136	0	1
	2022/09/09 22:00	2.6	128	0	0.9
	2022/09/09 23:00	1	150	0	0.5
	2022/09/10	1.2	146	0	0.3
	2022/09/10 01:00	2.5	148	0	0
	2022/09/10 03:00	1.2	152	0	0
	2022/09/10 04:00	1.3	159	0	0.5
	2022/09/10 05:00	2.3	150	0	0.5



	2022/09/10 06:00	2.2	153	0	0.5
	2022/09/10 08:00	2.6	138	0	0.5
	2022/09/10 09:00	3.3	137	0	0.3
	2022/09/10 10:00	3.5	141	0	0.2
	2022/09/10 12:00	4.1	148	0	0.3
	2022/09/10 13:00	3.8	142	0	0.9
	2022/09/10 14:00	5.9	132	0	1.6
	2022/09/10 15:00	5.1	158	0	1.7
	2022/09/10 17:00	3.1	153	0	0.4
	2022/09/10 18:00	2.5	144	0	0.3
	2022/09/10 19:00	1.5	149	0	0
	2022/09/10 20:00	1.5	134	0	0.4
	2022/09/11 09:00	2	164	0	0.2
	2022/09/11 10:00	3.6	138	0	0.7
	2022/09/11 11:00	4.2	142	0	1
	2022/09/11 12:00	4	142	0	1.1
	2022/09/11 13:00	4.5	149	0	0
	2022/09/17 18:00	1.4	136	0.1	0.1
	2022/09/17 19:00	0.8	126	0.1	0
	2022/09/17 20:00	2.3	123	0.1	0
	2022/09/17 21:00	2.2	132	0.1	0.1
	2022/09/17 22:00	1.7	131	0.1	0
	2022/09/17 23:00	1.6	132	0.1	0.2
	2022/09/18	2	130	0.1	0.4
	2022/09/18 01:00	2.6	132	0.1	0.5
	2022/09/18 04:00	2.7	118	0.1	0.6
	2022/09/18 05:00	2.3	114	0.1	0.2
	2022/09/18 06:00	2.1	117	0.1	0.2
	2022/09/18 07:00	2	117	0.1	0.1
	2022/09/18 08:00	2.1	114	0.1	0.2
	2022/09/18 09:00	2.1	112	0.1	0
	2022/09/18 10:00	1.9	113	0.1	0
	2022/09/18 11:00	2.2	119	0.1	0
	2022/09/18 12:00	2.3	110	0.1	0.4
	2022/09/18 13:00	2.5	119	0.1	0.2
	2022/09/18 14:00	3	117	0.1	0.4
	2022/09/18 16:00	3.2	115	0.1	0.3
	2022/09/18 17:00	3.6	121	0.1	0.2
	2022/09/18 18:00	4.1	132	0.1	0.3

	2022/09/18 19:00	3.7	121	0.1	0.3
	2022/09/18 21:00	1.4	116	0.1	0.1
	2022/09/19 18:00	1	149	0.1	0.1
	2022/09/19 19:00	1.2	138	0.1	0.2
	2022/09/19 20:00	1.2	115	0.1	0.1
	2022/09/19 21:00	2.2	111	0.1	0.2
	2022/09/20 07:00	1.1	154	0.1	0.7
	2022/09/20 08:00	1.2	150	0.1	0.4
	2022/09/20 09:00	3.2	145	0.1	0.5
	2022/09/20 10:00	4.1	145	0.1	0.9
	2022/09/20 11:00	5.8	141	0.1	1.1
	2022/09/20 12:00	6.6	121	0.1	2.2
	2022/09/20 13:00	3.9	135	0.1	1.1
	2022/09/20 14:00	3.9	137	0.1	1.2
	2022/09/20 15:00	3.3	139	0.1	0.8
	2022/09/20 16:00	2.8	128	0.1	0.6
	2022/09/20 18:00	2.6	136	0.1	0
	2022/09/20 19:00	2.1	131	0.1	0
	2022/09/20 20:00	2	112	0.1	0
	2022/09/20 22:00	0	112	0.1	0
	2022/09/20 23:00	0	117	0.1	0
	2022/09/21 08:00	1.2	154	0.1	0.1
	2022/09/21 09:00	4.2	154	0.1	0.6
	2022/09/21 10:00	6.5	158	0.1	1.4
	2022/09/21 11:00	8	162	0.1	1.8
	2022/09/21 12:00	8.1	157	0.1	2.5
	2022/09/21 13:00	5.8	114	0.1	1.8
	2022/09/21 14:00	7.9	119	0.1	3.4
	2022/09/21 15:00	8	133	0	4.1
	2022/09/21 16:00	5.2	146	0	3.2
	2022/09/21 19:00	0	125	0	0
	2022/09/21 20:00	1.9	120	0	0
	2022/09/21 21:00	1.2	123	0	0
	2022/09/21 23:00	0.2	127	0	0
	2022/09/22	1.3	117	0	0.2
	2022/09/22 01:00	2.7	127	0	0.2
	2022/09/22 07:00	0.2	130	0	0
	2022/09/22 08:00	2	114	0	0.6
	2022/09/23 07:00	1.1	140	0	0.8

	2022/09/23 08:00	1.4	127	0	0.9
	2022/09/23 09:00	2.7	127	0	0
	2022/09/23 10:00	3.8	126	0	0
	2022/09/23 11:00	5.6	131	0	0.2
	2022/09/23 12:00	6	118	0	0.4
	2022/09/23 18:00	1.1	135	0	0.2
	2022/09/23 19:00	0.5	129	0	0.1
	2022/09/23 20:00	1.4	131	0	0.4
	2022/09/23 21:00	2.6	134	0	0.4
	2022/09/24 19:00	0.9	116	0	0.1
	2022/09/24 20:00	1.4	113	0	0.3
	2022/09/24 21:00	2.6	115	0	0.2
	2022/09/25 09:00	2.2	115	0	0
	2022/09/25 10:00	3.7	117	0	0
	2022/09/25 11:00	6	118	0	0.3
	2022/09/25 12:00	5.5	131	0	0.5
	2022/09/25 13:00	3.3	138	0	0.1
	2022/09/25 14:00	4.5	129	0	0.2
	2022/09/25 15:00	5.1	132	0	0.4
	2022/09/25 16:00	4.2	141	0	0.4
	2022/09/25 18:00	1.9	109	0	0.2
	2022/09/25 19:00	0.6	119	0	0
	2022/09/25 20:00	1	116	0	0.1
	2022/09/25 22:00	2.5	117	0	0
	2022/09/25 23:00	2.6	129	0	0
	2022/09/26	3.4	121	0	0.2
	2022/09/26 10:00	1.9	126	0	0
	2022/09/26 11:00	4.1	123	0	0.3
	2022/09/26 12:00	4.6	130	0	0.6
	2022/09/26 15:00	3.2	126	0	0.2
	2022/09/26 16:00	3.3	124	0	0.2
	2022/09/26 17:00	2.3	113	0	0.1
	2022/09/26 18:00	2.4	111	0	0.1
	2022/09/26 20:00	2.5	111	0	0
	2022/09/26 21:00	4.2	114	0	0
	2022/09/26 22:00	3.2	121	0	0
	2022/09/27 08:00	4.6	106	0	0.1
	2022/09/27 09:00	5.3	126	0	0.1
	2022/09/27 16:00	3.8	148	0	0.4

	2022/09/27 17:00	2.1	141	0	0
	2022/09/27 18:00	2.2	139	0	0
	2022/09/27 19:00	3.2	126	0	0
	2022/09/27 20:00	3.9	121	0	0
	2022/09/27 21:00	5	121	0	0
	2022/09/27 22:00	5.4	117	0	0
	2022/09/27 23:00	4.7	123	0	0
	2022/09/28	4.3	127	0	0
	2022/09/28 10:00	3.3	149	0	0.2
	2022/09/28 11:00	5	150	0	0.5
	2022/09/28 12:00	5.3	150	0	0.9
	2022/09/28 13:00	4.6	149	0	0.6
	2022/09/28 14:00	4.7	149	0	0.7
	2022/09/28 15:00	4.8	149	0	0.7
	2022/09/28 16:00	3.9	149	0	0.6
	2022/09/28 17:00	2.2	148	0	0
	2022/09/28 18:00	2.1	147	0	0
	2022/09/28 19:00	2.2	148	0	0
	2022/09/28 21:00	4.5	148	0	0.3
<b>Unit 13</b>	2022/09/05 18:00	1.5	148	0	1
	2022/09/05 19:00	1.1	146	0	0
	2022/09/05 20:00	1.8	155	0	1.3
	2022/09/05 21:00	2.4	152	0	2.9
	2022/09/06 07:00	0.5	147	0	0.3
	2022/09/06 18:00	0	136	0	1.2
	2022/09/06 19:00	0	131	0	1.3
	2022/09/06 20:00	1.7	148	0	1.4
	2022/09/06 21:00	1.1	146	0	1
	2022/09/06 22:00	1.5	139	0	0.3
	2022/09/06 23:00	2	137	0	0.4
	2022/09/07 18:00	1.1	135	0	1.2
	2022/09/07 19:00	0.3	132	0	1.7
	2022/09/07 20:00	0.9	135	0	1.1
	2022/09/07 21:00	1.1	135	0	0.9
	2022/09/07 22:00	1.1	136	0	0.8
	2022/09/07 23:00	1.5	138	0	1.6
	2022/09/08 06:00	0.8	138	0	4.9

	2022/09/08 07:00	0	133	0	2.2
	2022/09/08 08:00	2.1	133	0	2.3
	2022/09/08 19:00	0.1	128	0	0.4
	2022/09/08 20:00	1.4	131	0	2.2
	2022/09/08 21:00	1.3	132	0	1.8
	2022/09/08 22:00	1.2	132	0	1.4
	2022/09/08 23:00	1.1	132	0	1.4
	2022/09/09	0.9	130	0	1.4
	2022/09/09 01:00	0.2	127	0	0.7
	2022/09/09 02:00	0	122	0	0.5
	2022/09/09 03:00	0	125	0	0
	2022/09/09 05:00	1.6	141	0	1.1
	2022/09/09 06:00	1.3	142	0	1.2
	2022/09/09 07:00	1.8	141	0	2.1
	2022/09/09 09:00	1.7	133	0	1.4
	2022/09/09 10:00	1.4	97	0	1.5
	2022/09/09 12:00	0.4	133	0	0.6
	2022/09/09 13:00	1	135	0	1.6
	2022/09/09 14:00	1	135	0	2
	2022/09/09 16:00	1.2	127	0	1.5
	2022/09/09 17:00	1.7	129	0	3.4
	2022/09/09 18:00	0.8	126	0	2
	2022/09/09 19:00	1	126	0	3.5
	2022/09/09 21:00	2.3	135	0	1.9
	2022/09/09 22:00	2	134	0	2
	2022/09/09 23:00	1.5	134	0	1.4
	2022/09/10	1.4	131	0	0.8
	2022/09/10 01:00	2	132	0	1.6
	2022/09/10 03:00	1.7	131	0	2.6
	2022/09/10 04:00	0.8	131	0	0.8
	2022/09/10 05:00	0.9	133	0	0.8
	2022/09/10 06:00	0.9	132	0	0.5
	2022/09/10 08:00	2.2	135	0	6.5
	2022/09/10 09:00	0.4	131	0	3.4
	2022/09/10 10:00	0.7	125	0	5
	2022/09/10 12:00	1.9	129	0	2.7
	2022/09/10 13:00	2	130	0	2.5
	2022/09/10 14:00	1.6	120	0	0.6
	2022/09/10 15:00	2.1	138	0	0.4

	2022/09/10 17:00	2.1	135	0	2.4
	2022/09/10 18:00	1.8	137	0	2.7
	2022/09/10 19:00	2	138	0	8.4
	2022/09/10 20:00	0.2	132	0	6.8
	2022/09/11 09:00	0.7	139	0	0.6
	2022/09/11 10:00	0.7	136	0	0.2
	2022/09/11 11:00	1.5	134	0	1.2
	2022/09/11 12:00	0.4	102	0	0.5
	2022/09/11 13:00	0.3	121	0	0
	2022/09/12 15:00	1.5	151	0	0.1
	2022/09/12 16:00	1.6	146	0	1.7
	2022/09/12 17:00	1.1	144	0	1.1
	2022/09/12 18:00	1.3	142	0	0.5
	2022/09/12 19:00	2.4	144	0	1.2
	2022/09/12 20:00	0.6	137	0	0.5
	2022/09/12 21:00	0.5	138	0	0.4
	2022/09/12 22:00	0.6	134	0	0.5
	2022/09/13 07:00	0	138	0	0
	2022/09/13 08:00	0.7	128	0	0.6
	2022/09/13 09:00	0.8	130	0	0.7
	2022/09/13 10:00	0.8	139	0	0.2
	2022/09/13 11:00	1	128	0	0
	2022/09/13 12:00	1.6	121	0	1.9
	2022/09/13 13:00	3	113	0	4.9
	2022/09/13 14:00	1.6	122	0	4.8
	2022/09/13 15:00	0.4	129	0	3.3
	2022/09/13 17:00	2.2	125	0	1
	2022/09/13 18:00	2.8	140	0	1.1
	2022/09/13 19:00	2.3	140	0	2
	2022/09/13 20:00	0.6	132	0	1.8
	2022/09/13 22:00	0.7	134	0	1.2
	2022/09/13 23:00	0.3	120	0	1.1
	2022/09/14 07:00	1.9	142	0	4.5
	2022/09/14 17:00	0.6	131	0	1.3
	2022/09/14 18:00	0.3	143	0	1.1
	2022/09/14 19:00	0	143	0	0.6
	2022/09/14 20:00	0.4	146	0	1.2
	2022/09/14 21:00	0.4	146	0	0
	2022/09/14 22:00	0.7	147	0	0

	2022/09/14 23:00	1.5	146	0	1.5
	2022/09/15	0.2	145	0	0
	2022/09/15 01:00	0	141	0	0.1
	2022/09/15 04:00	1.3	140	0	0.8
	2022/09/15 05:00	2.2	143	0	0.3
	2022/09/15 06:00	2.4	140	0	1.8
	2022/09/15 09:00	1.7	135	0	0.9
	2022/09/15 10:00	1.6	102	0	0.5
	2022/09/15 11:00	1.9	112	0	0.2
	2022/09/15 16:00	1.1	128	0	1.2
	2022/09/15 17:00	0.7	127	0	0.9
	2022/09/15 18:00	1	125	0	0.5
	2022/09/15 19:00	1	123	0	0
	2022/09/15 20:00	1.3	133	0	0.4
	2022/09/15 21:00	1.7	138	0	0.3
	2022/09/15 22:00	1.9	141	0	0.6
	2022/09/15 23:00	1.9	140	0	0.6
	2022/09/16	0.7	136	0	0.5
	2022/09/16 01:00	0.5	138	0	0.5
	2022/09/16 03:00	0.9	117	0	2.9
	2022/09/16 04:00	0.6	134	0	0.3
	2022/09/16 05:00	0.7	136	0	0.6
	2022/09/16 07:00	0.5	135	0	1.6
	2022/09/16 08:00	1.1	137	0	1.5
	2022/09/16 09:00	1.2	136	0	0.8
	2022/09/16 10:00	1.3	103	0	1.1
	2022/09/16 11:00	0.5	97	0	0
	2022/09/16 12:00	1.8	123	0	0.3
	2022/09/16 14:00	4.6	141	0	6.5
	2022/09/16 15:00	2.9	136	0	3.9
	2022/09/16 16:00	0.7	130	0	1.3
	2022/09/16 18:00	1.3	130	0	0.2
	2022/09/16 19:00	1.7	133	0	0.2
	2022/09/16 20:00	1	136	0	0.4
	2022/09/16 22:00	0.6	135	0	0
	2022/09/16 23:00	0.6	136	0	0
	2022/09/17	1	138	0	0.1
	2022/09/17 02:00	0.9	136	0	0.3
	2022/09/17 03:00	0.8	139	0	0.3

	2022/09/17 04:00	1.4	141	0	1
	2022/09/17 05:00	1.5	142	0	3.1
	2022/09/17 07:00	0.4	137	0	4.6
	2022/09/17 08:00	0.8	139	0	1.1
	2022/09/17 09:00	1.5	143	0	0.9
	2022/09/17 10:00	1.7	144	0	2.1
	2022/09/17 11:00	0.7	141	0	1.6
	2022/09/17 13:00	0.1	128	0	0
	2022/09/17 14:00	0.2	130	0	0
	2022/09/17 15:00	1.1	137	0	0.5
	2022/09/17 17:00	0.9	137	0	0.6
	2022/09/17 18:00	0.3	135	0	0.3
	2022/09/17 19:00	0.3	136	0	0
	2022/09/17 21:00	1.3	140	0	0.1
	2022/09/17 22:00	1.3	139	0	0
	2022/09/17 23:00	1.5	142	0	0.2
	2022/09/18 01:00	1.4	138	0	2.9
	2022/09/18 02:00	0.4	121	0	2.7
	2022/09/18 03:00	0	131	0	0.7
	2022/09/18 05:00	1.2	133	0	1.8
	2022/09/18 06:00	1.2	134	0	2.4
	2022/09/18 07:00	0.7	134	0	1.9
	2022/09/18 08:00	1.1	137	0	1.4
	2022/09/18 11:00	2	137	0	3.8
	2022/09/18 12:00	1.2	139	0	2.1
	2022/09/18 13:00	0.4	138	0	0.7
	2022/09/18 14:00	0.9	144	0	1.4
	2022/09/18 15:00	0.5	143	0	1.6
	2022/09/18 17:00	1.2	144	0	3.9
	2022/09/18 18:00	0.8	140	0	4.5
	2022/09/18 19:00	0.6	137	0	4.5
	2022/09/18 21:00	1.1	131	0	0.6
	2022/09/18 22:00	1.6	134	0	0.7
	2022/09/19 18:00	0	134	0	0
	2022/09/19 19:00	0	134	0	0
	2022/09/19 20:00	1.2	145	0	0.1
	2022/09/19 21:00	0.8	144	0	0
	2022/09/20 07:00	0	135	0	0.7
	2022/09/20 08:00	0.7	138	0	1.1



	2022/09/20 09:00	0.9	135	0	2.2
	2022/09/20 10:00	0.5	136	0	1
	2022/09/20 11:00	0.1	139	0	0
	2022/09/20 12:00	1.3	143	0	0.3
	2022/09/20 13:00	2.5	143	0	1.1
	2022/09/20 14:00	2.6	144	0	1.7
	2022/09/20 15:00	3.1	144	0	7
	2022/09/20 17:00	0.2	141	0	0
	2022/09/20 18:00	0.8	147	0	0
	2022/09/20 19:00	1.2	142	0	0
	2022/09/20 21:00	0	140	0	0.3
	2022/09/20 22:00	0	140	0	0.4
	2022/09/20 23:00	0	143	0	0.4
	2022/09/21 08:00	1.9	152	0	0.4
	2022/09/21 09:00	3.9	159	0	2.9
	2022/09/21 10:00	3.8	162	0	2.9
	2022/09/21 11:00	3.2	165	0	1.8
	2022/09/21 12:00	0.9	160	0	0.8
	2022/09/21 13:00	0.6	123	0	0.3
	2022/09/21 14:00	1.3	129	0	0
	2022/09/21 15:00	1.1	146	0	0
	2022/09/21 16:00	0.7	156	0	0.8
	2022/09/21 18:00	0.4	151	0	1.6
	2022/09/21 19:00	0	150	0	0
	2022/09/21 20:00	1.8	153	0	1.4
	2022/09/21 21:00	2.1	152	0	1.6
	2022/09/21 22:00	1.2	154	0	0.1
	2022/09/21 23:00	1.9	158	0	0.7
	2022/09/22	0.6	152	0	1.1
	2022/09/22 01:00	0.2	150	0	0.7
	2022/09/22 07:00	1	142	0	1.8
	2022/09/22 08:00	0.4	136	0	1
	2022/09/22 09:00	0.3	115	0	0.2
	2022/09/23 07:00	0.4	136	0	2.2
	2022/09/23 08:00	0.9	142	0	1
	2022/09/23 09:00	0.9	144	0	0.2
	2022/09/23 10:00	1.2	129	0	0.3
	2022/09/23 11:00	1.5	135	0	1.1
	2022/09/23 12:00	0.4	119	0	0.3

	2022/09/23 18:00	2.2	142	0	3.3
	2022/09/23 19:00	1.1	146	0	2.4
	2022/09/23 20:00	0.5	146	0	0.4
	2022/09/23 21:00	0.7	145	0	0.5
	2022/09/24 18:00	1.9	124	0	1.9
	2022/09/24 19:00	2.1	120	0	3.5
	2022/09/24 20:00	0.8	134	0	1.6
	2022/09/24 21:00	0.9	135	0	0.1
	2022/09/25 09:00	0.5	129	0	0.3
	2022/09/25 10:00	0.7	131	0	0
	2022/09/25 11:00	0.6	118	0	0
	2022/09/25 12:00	1.6	142	0	0.2
	2022/09/25 13:00	2.4	144	0	4.8
	2022/09/25 14:00	1.8	146	0	5.2
	2022/09/25 15:00	0.9	142	0	2.5
	2022/09/25 16:00	1.3	140	0	2.1
	2022/09/25 18:00	2.2	130	0	1.6
	2022/09/25 19:00	3.2	138	0	4.3
	2022/09/25 20:00	0.9	130	0	1.6
	2022/09/25 22:00	0.2	128	0	0.3
	2022/09/25 23:00	0.1	129	0	0.1
	2022/09/26	0.9	122	0	1.6
	2022/09/26 04:00	1.7	129	0	2.1
	2022/09/26 10:00	1.2	131	0	0.2
	2022/09/26 11:00	0.4	128	0	0
	2022/09/26 12:00	0.4	125	0	0.8
	2022/09/26 13:00	0.3	123	0	0.4
	2022/09/26 14:00	0.5	125	0	0.8
	2022/09/26 15:00	0.2	125	0	0.5
	2022/09/26 16:00	0.6	129	0	1.4
	2022/09/26 17:00	0.5	129	0	0.2
	2022/09/26 18:00	0.9	129	0	0.4
	2022/09/26 21:00	1.3	118	0	1.8
	2022/09/26 22:00	2.2	133	0	5.8
	2022/09/27 17:00	1	129	0	0
	2022/09/27 18:00	3.6	136	0	2
	2022/09/27 19:00	1.7	131	0	0.7
	2022/09/27 20:00	1.7	131	0	2.9
	2022/09/27 21:00	2.4	133	0	3.5

	2022/09/27 22:00	1.2	128	0	2
	2022/09/27 23:00	1.6	128	0	0.8
	2022/09/28	0.9	127	0	0.9
	2022/09/28 05:00	0.2	92	0	0.5
	2022/09/28 06:00	0.3	116	0	0
	2022/09/28 07:00	0.5	128	0	0.4
	2022/09/28 08:00	0.8	130	0	1.4
	2022/09/28 09:00	0.7	131	0	0.3
	2022/09/28 10:00	1.4	134	0	0.2
	2022/09/28 11:00	1.7	137	0	0.1
	2022/09/28 12:00	1.3	133	0	0.4
	2022/09/28 13:00	2.6	134	0	2.7
	2022/09/28 15:00	0.9	127	0	1.4
	2022/09/28 16:00	1.4	129	0	2.2
	2022/09/28 17:00	0.9	126	0	2.1
	2022/09/28 18:00	0.4	125	0	0.4
	2022/09/28 20:00	0.8	131	0	1.1
	2022/09/28 21:00	0.4	129	0	0.9
<b>Unit 21</b>	2022/09/05 18:00	0.5	154	0	0
	2022/09/05 19:00	0.1	150	0	0
	2022/09/05 20:00	2.3	155	0	1.3
	2022/09/05 21:00	3	136	0	1.3
	2022/09/06 07:00	2.4	133	0	0.6
	2022/09/06 18:00	1.8	146	0	0.5
	2022/09/06 19:00	2	138	0	0.3
	2022/09/06 20:00	2.5	125	0	1.2
	2022/09/06 21:00	2.1	123	0	1.2
	2022/09/06 22:00	2.4	142	0	1
	2022/09/06 23:00	2.5	132	0	1.3
	2022/09/07 08:00	2.4	149	0	0.7
	2022/09/07 09:00	3.2	129	0	0.6
	2022/09/07 18:00	0.5	139	0	0.6
	2022/09/07 19:00	0.3	137	0	0.5
	2022/09/07 20:00	1.7	141	0	0.5
	2022/09/07 21:00	2.5	131	0	0.5
	2022/09/07 22:00	2.2	119	0	0.8

	2022/09/07 23:00	2.4	139	0	0.8
	2022/09/08	1	112	0	0.2
	2022/09/08 08:00	2.7	143	0	0.6
	2022/09/08 17:00	1	141	0	0.5
	2022/09/08 18:00	0.8	131	0	0
	2022/09/08 19:00	0.8	117	0	0.1
	2022/09/08 20:00	1.6	123	0	0.2
	2022/09/08 21:00	2.2	117	0	0.2
	2022/09/08 22:00	2.5	116	0	0.3
	2022/09/08 23:00	2.6	129	0	0.4
	2022/09/09	2.2	119	0	0.8
	2022/09/09 01:00	1.6	136	0	0.6
	2022/09/09 03:00	1.3	134	0	0.7
	2022/09/09 04:00	1	126	0	0.7
	2022/09/09 05:00	0.6	118	0	0.6
	2022/09/09 06:00	0.6	124	0	0.7
	2022/09/09 08:00	1.5	126	0	0.6
	2022/09/09 09:00	2	119	0	0.2
	2022/09/09 10:00	1.5	96	0	0.2
	2022/09/09 12:00	3	145	0	0.3
	2022/09/09 13:00	3.1	145	0	0.4
	2022/09/09 14:00	3.3	144	0	0.3
	2022/09/09 16:00	2.1	133	0	1.2
	2022/09/09 17:00	1.2	126	0	1.3
	2022/09/09 18:00	1.1	132	0	1.1
	2022/09/09 19:00	0.8	127	0	1.2
	2022/09/09 21:00	0.7	107	0	0.9
	2022/09/09 22:00	0.9	108	0	0.7
	2022/09/09 23:00	0.8	125	0	0.5
	2022/09/10	1.7	126	0	0.8
	2022/09/10 03:00	2.2	132	0	0.9
	2022/09/10 04:00	2.1	143	0	0.9
	2022/09/10 05:00	1.4	138	0	0.9
	2022/09/10 06:00	1.8	144	0	0.8
	2022/09/10 08:00	1.3	125	0	0
	2022/09/10 09:00	1.4	123	0	0.1
	2022/09/10 10:00	1.7	122	0	0
	2022/09/10 12:00	2.4	134	0	1.8
	2022/09/10 13:00	1.9	124	0	1.1

	2022/09/10 14:00	2.4	121	0	1.7
	2022/09/10 16:00	1.8	137	0	1.1
	2022/09/10 17:00	2.2	133	0	0.4
	2022/09/10 18:00	2.9	128	0	0.6
	2022/09/10 19:00	2.2	131	0	0.6
	2022/09/10 21:00	1	127	0	0.2
	2022/09/10 22:00	0.3	100	0	0
	2022/09/11 09:00	2.8	139	0	0.7
	2022/09/11 10:00	3.8	129	0	1
	2022/09/11 11:00	2.7	130	0	1.1
	2022/09/11 12:00	2.2	132	0	1.4
	2022/09/11 13:00	1.7	133	0	1.7
	2022/09/12 08:00	1	149	0	0.6
	2022/09/12 09:00	0	127	0	0.3
	2022/09/12 15:00	1.4	142	0	0.6
	2022/09/12 16:00	1.8	144	0	1.1
	2022/09/12 17:00	1.1	142	0	0.5
	2022/09/12 18:00	1.8	134	0	0.1
	2022/09/12 19:00	1.9	149	0	0.2
	2022/09/12 20:00	1.9	149	0	0.3
	2022/09/12 21:00	1.4	148	0	0.5
	2022/09/12 22:00	1.5	149	0	0.4
	2022/09/13 07:00	2.3	155	0	1.4
	2022/09/13 08:00	1.2	122	0	1.5
	2022/09/13 09:00	1.1	115	0	0
	2022/09/13 10:00	0.6	128	0	0.2
	2022/09/13 11:00	0.7	126	0	0
	2022/09/13 12:00	2.4	145	0	0.4
	2022/09/13 13:00	3.8	120	0	0.3
	2022/09/13 14:00	3.4	130	0	0.7
	2022/09/13 15:00	3.7	139	0	0.4
	2022/09/13 17:00	2.2	126	0	0.6
	2022/09/13 18:00	1.1	138	0	0.4
	2022/09/13 19:00	0.7	133	0	0.5
	2022/09/13 20:00	1.5	140	0	0.5
	2022/09/13 22:00	2.6	130	0	0.5
	2022/09/13 23:00	2.3	126	0	0.6
	2022/09/14	1.4	129	0	0.5
	2022/09/14 07:00	1.5	130	0	0.3

	2022/09/14 08:00	1.6	96	0	0.4
	2022/09/14 17:00	0.9	127	0	0.2
	2022/09/14 18:00	0.8	127	0	0.2
	2022/09/14 19:00	1.3	129	0	0
	2022/09/14 20:00	2	129	0	0.4
	2022/09/14 21:00	1.3	126	0	0.8
	2022/09/14 22:00	0.1	121	0	0.5
	2022/09/14 23:00	0.6	134	0	0.5
	2022/09/15	0.7	125	0	0
	2022/09/15 01:00	0.8	138	0	0
	2022/09/15 02:00	0.5	131	0	0.3
	2022/09/15 04:00	1.3	151	0	0.3
	2022/09/15 05:00	1.8	151	0	0.4
	2022/09/15 06:00	1.8	149	0	0.5
	2022/09/15 07:00	1.5	129	0	0.5
	2022/09/15 09:00	2.3	116	0	1
	2022/09/15 10:00	1.9	112	0	1.1
	2022/09/15 11:00	3.1	112	0	0.7
	2022/09/15 16:00	1.9	122	0	0.7
	2022/09/15 17:00	2.1	119	0	0.6
	2022/09/15 18:00	2.4	114	0	0.3
	2022/09/15 19:00	2.2	138	0	0.6
	2022/09/15 20:00	1.1	120	0	0.3
	2022/09/15 21:00	1.1	110	0	0.1
	2022/09/15 22:00	1.9	110	0	0.2
	2022/09/15 23:00	1.5	121	0	0.2
	2022/09/16	1.4	118	0	0.1
	2022/09/16 02:00	1.2	136	0	0.3
	2022/09/16 03:00	0.5	135	0	0.1
	2022/09/16 04:00	2.2	133	0	0.3
	2022/09/16 05:00	3.2	129	0	0.6
	2022/09/16 07:00	2.7	127	0	0.5
	2022/09/16 08:00	2.6	126	0	1.2
	2022/09/16 09:00	2.2	118	0	0.8
	2022/09/16 10:00	2.2	117	0	0.9
	2022/09/16 11:00	1.5	120	0	0.7
	2022/09/16 12:00	2.4	119	0	0.2
	2022/09/16 14:00	3.8	116	0	0.5
	2022/09/16 15:00	3.1	121	0	0.5

	2022/09/16 16:00	2.6	128	0	0.6
	2022/09/16 18:00	3.3	120	0	0.6
	2022/09/16 19:00	3.8	126	0	1
	2022/09/16 20:00	1.6	116	0	0.8
	2022/09/16 22:00	0.7	113	0	0.4
	2022/09/16 23:00	0.4	119	0	0.4
	2022/09/17	1.4	130	0	0.4
	2022/09/17 02:00	1.4	132	0	0.5
	2022/09/17 03:00	1.9	135	0	0.5
	2022/09/17 04:00	2	137	0	0.9
	2022/09/17 05:00	2.7	126	0	0.7
	2022/09/17 07:00	2.5	129	0	1
	2022/09/17 08:00	1.6	125	0	0.6
	2022/09/17 09:00	1	128	0	0.4
	2022/09/17 10:00	0.8	137	0	0.4
	2022/09/17 11:00	1.3	133	0	0.2
	2022/09/17 13:00	3.4	154	0	0.1
	2022/09/17 14:00	3.4	140	0	0.2
	2022/09/17 15:00	3.2	134	0	0.1
	2022/09/17 17:00	1.6	127	0	0.2
	2022/09/17 18:00	1.8	120	0	0.2
	2022/09/17 19:00	1.4	121	0	0.4
	2022/09/17 21:00	1.4	126	0	0.2
	2022/09/17 22:00	1.2	129	0	0.3
	2022/09/17 23:00	1.1	138	0	0.2
	2022/09/18 01:00	1.9	126	0	0.7
	2022/09/18 02:00	1.8	112	0	0.7
	2022/09/18 03:00	1.9	136	0	0.8
	2022/09/18 05:00	1.2	124	0	0
	2022/09/18 06:00	1.5	131	0	0.3
	2022/09/18 07:00	1.7	128	0	0.2
	2022/09/18 08:00	2.5	126	0	0.9
	2022/09/18 10:00	2.4	131	0	0.7
	2022/09/18 11:00	2.6	132	0	0.8
	2022/09/18 12:00	1.5	118	0	0.7
	2022/09/18 13:00	1.9	129	0	0.4
	2022/09/18 14:00	1.8	129	0	0.3
	2022/09/18 15:00	1.8	133	0	0.4
	2022/09/18 17:00	2.6	144	0	0.3

	2022/09/18 18:00	2.9	129	0	0.4
	2022/09/18 19:00	2	122	0	0.9
	2022/09/18 21:00	1.1	125	0	0.3
	2022/09/18 22:00	0.6	119	0	0
	2022/09/19 18:00	2.2	151	0	0.5
	2022/09/19 19:00	2.6	144	0	0.8
	2022/09/19 20:00	2.3	121	0	0.6
	2022/09/19 21:00	2.6	126	0	0.5
	2022/09/20 07:00	0.9	159	0	1.3
	2022/09/20 08:00	1.7	155	0	1.9
	2022/09/20 09:00	1.9	152	0	0.3
	2022/09/20 10:00	1.4	151	0	0.4
	2022/09/20 11:00	1.9	146	0	2.8
	2022/09/20 12:00	3.2	145	0	0.5
	2022/09/20 13:00	4.5	151	0	0.6
	2022/09/20 14:00	4.3	153	0	1
	2022/09/20 17:00	1.5	134	0	0.6
	2022/09/20 18:00	2	135	0	0.6
	2022/09/20 20:00	1.7	112	0	0.8
	2022/09/20 21:00	1.6	117	0	0.9
	2022/09/20 22:00	1.2	117	0	0.9
	2022/09/21 08:00	0.8	155	0	0.4
	2022/09/21 09:00	1.4	152	0	0
	2022/09/21 10:00	2.4	136	0	0
	2022/09/21 11:00	3.2	154	0	0
	2022/09/21 12:00	2.4	133	0	0.2
	2022/09/21 13:00	2.3	120	0	0.3
	2022/09/21 14:00	2.4	115	0	0.2
	2022/09/21 15:00	2.4	133	0	0.2
	2022/09/21 17:00	1.4	141	0	0.3
	2022/09/21 18:00	1	131	0	0.2
	2022/09/21 19:00	1.5	136	0	0.1
	2022/09/21 20:00	1.3	124	0	0.6
	2022/09/21 22:00	0.1	131	0	0.6
	2022/09/21 23:00	0	130	0	0.6
	2022/09/22	1.8	126	0	0.6
	2022/09/22 07:00	0.9	139	0	0.6
	2022/09/22 08:00	1.6	119	0	0.5
	2022/09/22 09:00	1.8	112	0	0.5



	2022/09/23 07:00	1.3	137	0	0.4
	2022/09/23 08:00	1.9	136	0	0.6
	2022/09/23 09:00	1.3	129	0	0.5
	2022/09/23 10:00	1.7	125	0	0.4
	2022/09/23 11:00	1.8	129	0	0.3
	2022/09/23 12:00	1.7	115	0	0.5
	2022/09/23 18:00	1.1	137	0	0.5
	2022/09/23 19:00	0.7	131	0	0.5
	2022/09/23 20:00	1.1	144	0	0.8
	2022/09/23 21:00	1.3	143	0	0
	2022/09/24 18:00	0.2	115	0	0
	2022/09/24 19:00	0.6	110	0	0
	2022/09/24 20:00	2.4	115	0	0.6
	2022/09/24 21:00	2.3	121	0	0.4
	2022/09/25 09:00	1.3	119	0	0.7
	2022/09/25 10:00	3	121	0	0.6
	2022/09/25 11:00	4	118	0	0.3
	2022/09/25 12:00	2.5	137	0	0.7
	2022/09/25 13:00	2.4	142	0	0.6
	2022/09/25 14:00	2.6	134	0	0.6
	2022/09/25 15:00	3.1	138	0	0.7
	2022/09/25 16:00	2.1	144	0	0.4
	2022/09/25 18:00	1.9	117	0	0.3
	2022/09/25 19:00	0.9	128	0	0.3
	2022/09/25 20:00	2.1	127	0	1
	2022/09/25 22:00	1.9	133	0	0.8
	2022/09/25 23:00	2.4	134	0	0.9
	2022/09/26	2	114	0	1.1
	2022/09/26 10:00	2.6	126	0	0
	2022/09/26 11:00	3.4	126	0	0.3
	2022/09/26 12:00	2.8	129	0	1.1
	2022/09/26 13:00	2.5	127	0	1.3
	2022/09/26 14:00	2.6	127	0	1
	2022/09/26 15:00	2.7	129	0	1.2
	2022/09/26 16:00	1.8	127	0	0.2
	2022/09/26 17:00	2.1	120	0	0.3
	2022/09/26 18:00	1.4	116	0	0.3
	2022/09/26 19:00	1.8	120	0	0.5
	2022/09/26 21:00	2.3	118	0	1

	2022/09/26 22:00	2	124	0	0.9
	2022/09/26 23:00	2.1	134	0	1.1
	2022/09/27 08:00	1.5	103	0	0.4
	2022/09/27 09:00	3.2	126	0	0.1
	2022/09/27 16:00	1.2	136	0	0
	2022/09/27 17:00	1.2	135	0	0.2
	2022/09/27 18:00	1.5	133	0	0
	2022/09/27 19:00	1.4	122	0	0.5
	2022/09/27 20:00	1.7	117	0	0.3
	2022/09/27 21:00	2	121	0	0.5
	2022/09/27 22:00	1.8	119	0	0.4
	2022/09/27 23:00	1.8	123	0	0.3
	2022/09/28	1.5	124	0	0.2
	2022/09/28 10:00	1.8	146	0	0.2
	2022/09/28 11:00	2.8	147	0	0.4
	2022/09/28 12:00	1.7	142	0	0.4
	2022/09/28 13:00	1.8	142	0	0.4
	2022/09/28 14:00	1.9	141	0	0.5
	2022/09/28 15:00	1.6	140	0	0.5
	2022/09/28 16:00	1.8	143	0	0.6
	2022/09/28 17:00	2	146	0	0.5
	2022/09/28 18:00	1.1	146	0	0.8
	2022/09/28 20:00	1.9	128	0	1
	2022/09/28 21:00	2	119	0	1.4
	2022/09/28 22:00	1.4	115	0	1.4
<b>Unit 22</b>	2022/09/05 18:00	1.1	223	0	0.9
	2022/09/05 19:00	0.4	221	0	0.2
	2022/09/05 20:00	1.2	220	0	0.7
	2022/09/05 21:00	1.5	190	0	0.7
	2022/09/06 07:00	1.4	187	0	0.5
	2022/09/06 18:00	0.3	204	0	0.4
	2022/09/06 19:00	0.3	191	0	0.1
	2022/09/06 20:00	1.5	182	0	0.5
	2022/09/06 21:00	1.4	179	0	0.4
	2022/09/06 22:00	1.3	198	0	0.4
	2022/09/06 23:00	2.7	176	0	0.5
	2022/09/07 08:00	0.7	198	0	0.8

	2022/09/07 18:00	1	201	0	0.4
	2022/09/07 19:00	0.8	196	0	0.2
	2022/09/07 20:00	1.5	197	0	1.1
	2022/09/07 21:00	1.4	183	0	1.1
	2022/09/07 22:00	1.5	171	0	1.1
	2022/09/07 23:00	1.3	192	0	1.1
	2022/09/08	4.1	156	0	0.6
	2022/09/08 06:00	2.4	184	0	1.1
	2022/09/08 07:00	1.2	172	0	0.8
	2022/09/08 08:00	2.7	163	0	0.5
	2022/09/08 17:00	0.7	199	0	0.6
	2022/09/08 18:00	0.4	189	0	0.2
	2022/09/08 19:00	0.5	174	0	0.1
	2022/09/08 20:00	1.8	180	0	0.9
	2022/09/08 21:00	1.7	177	0	0.8
	2022/09/08 22:00	1.5	174	0	0.6
	2022/09/08 23:00	1.5	184	0	0.6
	2022/09/09	1.6	170	0	0.7
	2022/09/09 01:00	1.4	187	0	0.8
	2022/09/09 03:00	1.6	190	0	0.9
	2022/09/09 04:00	1.5	185	0	0.3
	2022/09/09 05:00	1.5	179	0	0.3
	2022/09/09 06:00	1.5	181	0	0.3
	2022/09/09 08:00	1.6	180	0	0.6
	2022/09/09 09:00	1.7	172	0	0.6
	2022/09/09 10:00	6.1	127	0	0.7
	2022/09/09 12:00	2.2	180	0	1.5
	2022/09/09 13:00	2.4	187	0	1.5
	2022/09/09 14:00	2.3	187	0	1.4
	2022/09/09 16:00	1.5	188	0	0.5
	2022/09/09 17:00	1	181	0	0.3
	2022/09/09 18:00	0.7	190	0	0
	2022/09/09 19:00	0.6	181	0	0
	2022/09/09 21:00	1.5	198	0	0.5
	2022/09/09 22:00	1.7	171	0	0.5
	2022/09/09 23:00	1.5	186	0	0.7
	2022/09/10	1.8	184	0	0.5
	2022/09/10 02:00	1.5	200	0	0.3
	2022/09/10 03:00	1.4	187	0	0.3

	2022/09/10 04:00	1.8	192	0	0.6
	2022/09/10 05:00	1.7	186	0	0.5
	2022/09/10 07:00	1.6	187	0	0.7
	2022/09/10 08:00	1.7	180	0	0.6
	2022/09/10 09:00	1.9	179	0	0.6
	2022/09/10 10:00	2.6	178	0	1
	2022/09/10 12:00	1.8	190	0	0.8
	2022/09/10 13:00	2.5	184	0	2.3
	2022/09/10 14:00	3	182	0	3
	2022/09/10 16:00	1.5	199	0	0.7
	2022/09/10 17:00	1.2	190	0	0.2
	2022/09/10 18:00	1	183	0	0.3
	2022/09/10 19:00	0.5	185	0	0
	2022/09/10 21:00	1.9	183	0	0.4
	2022/09/10 22:00	4.5	151	0	0.4
	2022/09/11 09:00	1.1	193	0	0.6
	2022/09/11 10:00	2	182	0	1.4
	2022/09/11 11:00	5.6	157	0	3.6
	2022/09/12 08:00	1.1	211	0	0.4
	2022/09/12 09:00	1.4	190	0	0.3
	2022/09/12 15:00	2.6	203	0	1.7
	2022/09/12 16:00	1.8	208	0	0.5
	2022/09/12 17:00	1.8	209	0	0.4
	2022/09/12 18:00	1.4	197	0	0.3
	2022/09/12 19:00	0.8	211	0	0.2
	2022/09/12 20:00	1.8	214	0	0.3
	2022/09/12 21:00	1.7	213	0	0.2
	2022/09/12 22:00	1.5	211	0	0.3
	2022/09/13 07:00	1.2	213	0	0.3
	2022/09/13 08:00	0.6	181	0	0.2
	2022/09/13 09:00	1.9	178	0	0.4
	2022/09/13 10:00	2.4	194	0	0.9
	2022/09/13 11:00	3.3	193	0	2.1
	2022/09/13 12:00	1.6	201	0	1.1
	2022/09/13 13:00	3.6	159	0	1.2
	2022/09/13 14:00	3	171	0	0.8
	2022/09/13 15:00	2	188	0	1
	2022/09/13 16:00	2.1	181	0	1.1
	2022/09/13 18:00	0.7	195	0	0.4

	2022/09/13 19:00	0.5	191	0	0.3
	2022/09/13 21:00	1.3	200	0	0.4
	2022/09/13 22:00	2	185	0	0.3
	2022/09/13 23:00	2.5	177	0	0.3
	2022/09/14	1.5	194	0	1.1
	2022/09/14 07:00	1.3	185	0	1.1
	2022/09/14 17:00	1.3	197	0	0.7
	2022/09/14 18:00	0.9	196	0	0.2
	2022/09/14 19:00	0.5	196	0	0.2
	2022/09/14 20:00	1.9	200	0	0.3
	2022/09/14 21:00	2.2	195	0	0.3
	2022/09/14 22:00	2.2	191	0	0.6
	2022/09/14 23:00	1.6	199	0	0.4
	2022/09/15	1.4	194	0	0.1
	2022/09/15 01:00	1.5	201	0	0.2
	2022/09/15 02:00	1.4	195	0	0.1
	2022/09/15 04:00	1.6	206	0	0.3
	2022/09/15 05:00	1.4	209	0	0.3
	2022/09/15 06:00	1.3	200	0	0.5
	2022/09/15 07:00	1.5	182	0	0.3
	2022/09/15 09:00	2.1	173	0	0.5
	2022/09/15 10:00	4.7	160	0	1.9
	2022/09/15 16:00	1.2	176	0	0.9
	2022/09/15 17:00	0.7	174	0	0.1
	2022/09/15 18:00	0.7	168	0	0
	2022/09/15 19:00	0.6	191	0	0.1
	2022/09/15 20:00	1.3	171	0	0.6
	2022/09/15 21:00	1	162	0	0.4
	2022/09/15 22:00	0.9	160	0	0.3
	2022/09/15 23:00	0.8	171	0	0.3
	2022/09/16	1.9	173	0	0.5
	2022/09/16 01:00	1.8	190	0	0.8
	2022/09/16 03:00	1.8	185	0	0.8
	2022/09/16 04:00	1.3	186	0	0.9
	2022/09/16 05:00	1.3	180	0	0.8
	2022/09/16 07:00	1	176	0	0.8
	2022/09/16 08:00	1.3	176	0	0.4
	2022/09/16 09:00	1.5	170	0	0.6
	2022/09/16 10:00	2.1	166	0	0.4

	2022/09/16 11:00	1.4	175	0	0.5
	2022/09/16 12:00	2.8	181	0	2.4
	2022/09/16 14:00	3.9	179	0	3.6
	2022/09/16 15:00	3.6	187	0	3.6
	2022/09/16 16:00	2.2	182	0	1.6
	2022/09/16 18:00	2.5	170	0	2.2
	2022/09/16 19:00	2	177	0	1.6
	2022/09/16 21:00	1.9	170	0	0.9
	2022/09/16 22:00	1.5	171	0	0.8
	2022/09/16 23:00	1.5	177	0	0.9
	2022/09/17	1.3	195	0	1.1
	2022/09/17 01:00	1.5	184	0	1.2
	2022/09/17 03:00	1.4	194	0	1.2
	2022/09/17 04:00	1.5	198	0	0.5
	2022/09/17 05:00	1.6	192	0	0.3
	2022/09/17 06:00	1.8	178	0	0.4
	2022/09/17 08:00	1.4	177	0	1.3
	2022/09/17 09:00	1.5	181	0	1.5
	2022/09/17 10:00	1.5	195	0	1.6
	2022/09/17 13:00	2.9	200	0	1.6
	2022/09/17 14:00	3.2	203	0	2.2
	2022/09/17 15:00	3.1	186	0	1.8
	2022/09/17 17:00	1.7	183	0	0.5
	2022/09/17 18:00	1.3	176	0	0.3
	2022/09/17 19:00	1.3	178	0	0.2
	2022/09/18	1.3	179	0	0.5
	2022/09/18 01:00	0.6	183	0	0.2
	2022/09/18 02:00	1.2	154	0	0.1
	2022/09/18 03:00	1.5	174	0	0.3
	2022/09/18 04:00	1.6	182	0	1.1
	2022/09/18 05:00	1.5	188	0	1.2
	2022/09/18 06:00	1.6	181	0	1.4
	2022/09/18 07:00	1.5	190	0	1.4
	2022/09/18 08:00	1.3	190	0	0.6
	2022/09/18 10:00	1.6	178	0	0.5
	2022/09/18 11:00	1.6	185	0	0.5
	2022/09/18 12:00	1.5	171	0	0.4
	2022/09/18 13:00	1.5	189	0	0.5
	2022/09/18 14:00	1.4	189	0	0.7

	2022/09/18 15:00	1.5	190	0	0.6
	2022/09/18 17:00	1.6	197	0	1
	2022/09/18 18:00	1.9	181	0	1.1
	2022/09/18 19:00	1.8	177	0	0.9
	2022/09/18 21:00	1.4	180	0	0.2
	2022/09/18 22:00	1.5	168	0	0.2
	2022/09/19 18:00	1.2	204	0	0.2
	2022/09/19 19:00	1.2	192	0	0.2
	2022/09/19 20:00	1.5	172	0	0.5
	2022/09/19 21:00	1.6	174	0	0.6
	2022/09/20 07:00	1.1	209	0	0.6
	2022/09/20 08:00	0.9	207	0	0.4
	2022/09/20 09:00	1.8	205	0	0.7
	2022/09/20 10:00	2.8	207	0	2.1
	2022/09/20 11:00	4	203	0	3.9
	2022/09/20 12:00	2.1	192	0	1.3
	2022/09/20 13:00	2.1	190	0	1.1
	2022/09/20 14:00	2.3	191	0	1.3
	2022/09/20 15:00	2.6	192	0	1.9
	2022/09/20 17:00	0.7	180	0	0.1
	2022/09/20 18:00	0.5	174	0	0
	2022/09/20 19:00	0.2	180	0	0.1
	2022/09/20 21:00	1.6	166	0	0.6
	2022/09/20 22:00	1.5	168	0	0.6
	2022/09/21 08:00	0.9	212	0	0.8
	2022/09/21 09:00	2	210	0	2
	2022/09/21 10:00	3.3	204	0	4.2
	2022/09/21 11:00	3.7	199	0	4.4
	2022/09/21 12:00	1.9	196	0	2
	2022/09/21 13:00	4.8	156	0	0.2
	2022/09/21 14:00	5.5	147	0	0.3
	2022/09/21 15:00	2.9	184	0	0.1
	2022/09/21 16:00	1.7	201	0	0.9
	2022/09/21 18:00	1.4	185	0	0.5
	2022/09/21 19:00	1.5	186	0	0.7
	2022/09/21 20:00	1.5	181	0	0.4
	2022/09/21 22:00	0.8	185	0	0
	2022/09/21 23:00	0.8	186	0	0
	2022/09/22	1.7	177	0	1

	2022/09/22 07:00	1	184	0	0.8
	2022/09/22 08:00	1.6	166	0	0.6
	2022/09/22 09:00	4.3	154	0	1.3
	2022/09/23 07:00	1.3	186	0	0.9
	2022/09/23 08:00	1.6	184	0	0.7
	2022/09/23 09:00	1.8	176	0	0.9
	2022/09/23 10:00	2.3	175	0	1.6
	2022/09/23 11:00	3.2	179	0	1.8
	2022/09/23 12:00	4.4	153	0	0.7
	2022/09/23 18:00	0.8	185	0	0.4
	2022/09/23 19:00	0.5	180	0	0.3
	2022/09/23 20:00	1.6	191	0	0.9
	2022/09/23 21:00	1.8	185	0	0.8
	2022/09/24 18:00	1.1	169	0	0.3
	2022/09/24 19:00	0.9	161	0	0.1
	2022/09/24 20:00	1.4	162	0	0.5
	2022/09/24 21:00	2	168	0	0.7
	2022/09/25 09:00	1.3	166	0	0.3
	2022/09/25 10:00	1.6	170	0	0.5
	2022/09/25 11:00	3.4	159	0	0.9
	2022/09/25 12:00	2.1	184	0	1.1
	2022/09/25 13:00	2.4	191	0	1.1
	2022/09/25 14:00	2.4	185	0	1.2
	2022/09/25 15:00	2.5	195	0	1.5
	2022/09/25 16:00	1.9	193	0	0.9
	2022/09/25 18:00	2.8	158	0	0.9
	2022/09/25 19:00	2.2	175	0	0.9
	2022/09/25 20:00	1.8	177	0	0.6
	2022/09/25 21:00	1.5	171	0	0.3
	2022/09/25 23:00	0.7	178	0	0.2
	2022/09/26	3	157	0	0.4
	2022/09/26 04:00	1.2	185	0	0.5
	2022/09/26 10:00	1.2	165	0	0.5
	2022/09/26 11:00	1.1	172	0	0.5
	2022/09/26 12:00	2	178	0	1
	2022/09/26 13:00	2.5	177	0	2.1
	2022/09/26 14:00	2.8	177	0	2.6
	2022/09/26 15:00	2.2	177	0	1.5
	2022/09/26 16:00	1.6	180	0	0.7





		8.119	197.380	0	0.845
65					

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	208	91	299
12	182	82	264
13	270	98	368
21	277	98	375
22	279	104	383
Total	1216	473	1689

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 September 2022 in mg/Nm<sup>3</sup>

Unit	NO <sub>x</sub>	SO <sub>2</sub>
11	154.70	2.63
12	134.39	1.22
13	132.11	3.26
21	136.90	1.88
22	167.84	1.85

#### 4. Comments on the performance and availability of each unit

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

#### 5. Load Factor: 37.89%

#### 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**