

Ian Gildenhuys  
Air Quality Management  
246 Voortrekker Road  
Vasco  
7460

Date:  
04 August 2022

Enquiries:  
021 573 6162

Ref: ANK/2022/08

Dear Ian

## ANKERLIG POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF JULY 2022

This serves as the monthly report required in terms of Section 9 in Ankerlig Power Station's Atmospheric Emission License (WCCT036). The emissions are for the month of July, these being SO<sub>2</sub>, CO<sub>2</sub>, PM and NO<sub>x</sub> (as NO<sub>2</sub>).

### 1 Raw Materials and Products

Table 1. Quantity of Raw Materials and Products used/produced for the month of July 2022

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Total consumption in Month of July
	Fuel Diesel	Tons/hour/unit	40	36 957 610.66L
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted per unit (MW)	Total production/Power sent out in Month of July
	Energy	MWh	170 MW per hour per unit	118 737.44 MW/h
	Fuel use per hour per unit (L)		Fuel efficiency Litres per MWH	
	Unit 11: 34 280.87 Unit 12: 32 559.99 Unit 21: 33 247.77 Unit 22: 31 627.34 Unit 31: 31 769.99 Unit 32: 30 649.49 Unit 41: 32 786.12 Unit 42: 31 595.53 Unit 43: 32 314.45		Unit 11: 311.77 Unit 12: 320.53 Unit 21: 309.58 Unit 22: 286.94 Unit 31: 320.93 Unit 32: 326.33 Unit 41: 309.51 Unit 42: 299.55 Unit 43: 312.16	

## 2 Abatement Technology

Table 2. Abatement Equipment Control Technology availability for the month of July

Associated Unit	Technology Type	Actual Utilisation (%) for the month of July
Unit 11	Low NOx burners	100%
Unit 12	Low NOx burners	100%
*Unit 21	Low NOx burners	100%
Unit 22	Low NOx burners	100%
Unit 31	Low NOx burners	100%
Unit 32	Low NOx burners	100%
Unit 41	Low NOx burners	100%
Unit 42	Low NOx burners	100%
Unit 43	Low NOx burners	100%

Table 3: Tonnages and mg/Nm<sup>3</sup> for the month of July

	Date & time	CO (mg/Nm <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>75</b>	<b>3500</b>
<b>Unit 11</b>	2022/07/31 21:00	8.6	110	0	56.3
	2022/07/31 20:00	8	157	0	50.5
	2022/07/31 19:00	8	158	0	50.4
	2022/07/31 18:00	7.9	159	0	50.6
	2022/07/31 11:00	8.4	107	0	55.4
	2022/07/31 10:00	9	142	0	51.5
	2022/07/30 21:00	8.3	142	0	50.5
	2022/07/30 20:00	8	156	0	48.9
	2022/07/30 19:00	9.2	156	0	49.4
	2022/07/29 20:00	8.8	121	0	51
	2022/07/28 20:00	8.5	153	0	46.9
	2022/07/27 20:00	8.1	143	0	45.8
	2022/07/27 19:00	8.1	153	0	44.9
	2022/07/27 18:00	8.5	156	0	45.1

	2022/07/26 21:00	7	97	0	48.5
	2022/07/26 20:00	7	129	0	45.1
	2022/07/26 19:00	6.9	142	0	44.2
	2022/07/25 21:00	7.7	154	0	42.5
	2022/07/25 20:00	8.3	156	0	42.2
	2022/07/25 19:00	8.9	154	0	41.9
	2022/07/25 18:00	8.7	155	0	41.7
	2022/07/25 17:00	8.5	159	0	41.6
	2022/07/25 16:00	8.2	160	0	41.5
	2022/07/25 15:00	8	134	0	43.7
	2022/07/25 14:00	7.1	133	0	43.3
	2022/07/25 13:00	6.7	107	0	45.3
	2022/07/25 12:00	6.6	141	0	43
	2022/07/25 11:00	6.6	162	0	41.5
	2022/07/25 10:00	6.8	159	0	41.2
	2022/07/25 09:00	6.8	158	0	41.1
	2022/07/25 08:00	7.1	158	0	41.3
	2022/07/25 07:00	7.8	157	0	41.3
	2022/07/24 19:00	7	152	0	39.7
	2022/07/23 19:00	7.1	126	0	40.1
	2022/07/21 21:00	6.4	147	0	35.7
	2022/07/21 20:00	6.4	146	0	35.5
	2022/07/21 19:00	6.3	147	0	35
	2022/07/21 18:00	6.2	146	0	35.2
	2022/07/21 17:00	6.7	148	0	35.5
	2022/07/21 11:00	5.9	153	0	34.4

	2022/07/21 10:00	5.9	151	0	34.5
	2022/07/21 09:00	5.9	146	0	34.3
	2022/07/21 08:00	6	145	0	34.5
	2022/07/21 07:00	6.8	146	0	34.8
	2022/07/20 21:00	6.3	109	0	36.9
	2022/07/20 20:00	6.2	151	0	33.3
	2022/07/20 19:00	6.2	151	0	33.1
	2022/07/20 18:00	6.2	151	0	32.8
	2022/07/20 17:00	6.3	151	0	32.8
	2022/07/20 16:00	6.2	149	0	32.5
	2022/07/20 15:00	6	147	0	32.3
	2022/07/20 14:00	6	106	0	35.6
	2022/07/20 13:00	6	104	0	36.1
	2022/07/20 12:00	5.9	150	0	32
	2022/07/20 11:00	5.9	150	0	32
	2022/07/20 10:00	5.8	148	0	31.9
	2022/07/20 09:00	6	146	0	31.9
	2022/07/20 08:00	6.1	118	0	34.2
	2022/07/20 07:00	7.9	115	0	35.5
	2022/07/19 20:00	6.2	150	0	30.8
	2022/07/19 19:00	6.6	150	0	31.2
	2022/07/18 21:00	6.5	145	0	29.4
	2022/07/18 20:00	6.2	145	0	29
	2022/07/18 19:00	6.3	144	0	29.2
	2022/07/18 18:00	7.7	146	0	29.5
	2022/07/18 10:00	6.8	141	0	29.1

	2022/07/15 13:00	5.2	135	0	24
	2022/07/15 12:00	5.3	142	0	23.8
	2022/07/15 11:00	5.8	141	0	24.3
	2022/07/14 21:00	5.5	138	0	23.4
	2022/07/14 20:00	5.5	141	0	23.1
	2022/07/14 19:00	5.5	141	0	22.9
	2022/07/14 18:00	5.8	141	0	23.1
	2022/07/13 19:00	5.6	141	0	22.3
	2022/07/12 20:00	4.6	136	0	20.3
	2022/07/12 19:00	4.6	141	0	19.9
	2022/07/12 18:00	5.2	143	0	20.1
	2022/07/11 20:00	4	142	0	18.1
	2022/07/11 19:00	3.9	146	0	17.9
	2022/07/11 18:00	4.6	144	0	18.3
	2022/07/10 21:00	4.3	140	0	16.3
	2022/07/10 20:00	4.6	139	0	16.5
	2022/07/10 19:00	5.3	140	0	16.8
	2022/07/10 12:00	4.3	138	0	15.6
	2022/07/10 11:00	4.5	137	0	15.7
	2022/07/10 10:00	5.1	137	0	16.3
	2022/07/09 20:00	3.9	132	0	15.2
	2022/07/09 19:00	4.4	138	0	15.2
	2022/07/08 20:00	4.5	141	0	13.4
	2022/07/08 19:00	4.6	141	0	13.3
	2022/07/08 18:00	5.5	139	0	13.4
	2022/07/07 20:00	3.4	140	0	12.2

	2022/07/07 19:00	3.5	141	0	12
	2022/07/07 18:00	3.7	139	0	11.7
	2022/07/07 17:00	3.5	116	0	12
	2022/07/07 16:00	3.5	123	0	11.5
	2022/07/07 15:00	3.3	123	0	11.5
	2022/07/07 14:00	2.8	119	0	11.1
	2022/07/07 13:00	2.6	125	0	11
	2022/07/07 12:00	2.5	97	0	12
	2022/07/07 11:00	2.9	143	0	11
	2022/07/07 10:00	3.8	144	0	11.7
	2022/07/06 21:00	2.8	144	0	9.9
	2022/07/06 20:00	2.8	142	0	9.8
	2022/07/06 19:00	2.8	143	0	9.5
	2022/07/06 18:00	3	143	0	9.4
	2022/07/06 17:00	3.4	135	0	9.9
	2022/07/05 20:00	3.3	140	0	8.4
	2022/07/05 13:00	3	120	0	7.8
	2022/07/05 12:00	3	142	0	7.4
	2022/07/05 11:00	3.1	141	0	7.7
	2022/07/05 10:00	3.4	142	0	7.9
	2022/07/04 20:00	3.4	126	0	6.8
	2022/07/04 19:00	3.4	126	0	6.6
	2022/07/04 18:00	3.6	134	0	6.2
	2022/07/04 16:00	3.5	144	0	5.7
	2022/07/04 15:00	3.3	125	0	5.9
	2022/07/04 14:00	2.9	126	0	5.4

	2022/07/04 13:00	2.5	92	0	6
	2022/07/04 12:00	2.6	143	0	5.2
	2022/07/04 11:00	2.5	143	0	5.2
	2022/07/04 10:00	2.6	142	0	5.5
	2022/07/04 09:00	3.5	142	0	6
	2022/07/03 22:00	2.2	140	0	4.6
	2022/07/03 21:00	2.4	140	0	4.5
	2022/07/03 20:00	2.4	143	0	4
	2022/07/03 19:00	2.6	143	0	3.9
	2022/07/03 18:00	2.8	143	0	3.9
	2022/07/02 19:00	3.1	136	0	3
	2022/07/01 20:00	1.4	128	0	1
	2022/07/01 19:00	1.4	121	0	0.8
	2022/07/01 18:00	2.7	143	0	1.2
<b>Unit 12</b>	2022/07/31 20:00	3.3	148	0	5
	2022/07/31 19:00	4.7	152	0	6.9
	2022/07/26 20:00	0.5	113	0	1.3
	2022/07/25 21:00	0.6	136	0	1
	2022/07/25 20:00	2	153	0	0.9
	2022/07/25 19:00	2.5	154	0	0.1
	2022/07/25 18:00	2.1	154	0	0.1
	2022/07/25 12:00	4.2	135	0	1.1
	2022/07/25 11:00	4.4	153	0	2.8
	2022/07/25 10:00	3.4	151	0	2.2

	2022/07/25 09:00	2.4	151	0	0.2
	2022/07/25 08:00	0.8	148	0	0.9
	2022/07/25 07:00	0.7	153	0	0.5
	2022/07/18 21:00	1.6	138	0	0.7
	2022/07/18 20:00	1.6	139	0	5
	2022/07/18 19:00	1.6	138	0	8.3
	2022/07/14 21:00	0.8	135	0	0.1
	2022/07/14 20:00	2.7	140	0	9.7
	2022/07/14 19:00	3.8	142	0	18.2
	2022/07/14 18:00	3.8	144	0	17.3
	2022/07/07 11:00	1.8	140	0	1.6
	2022/07/06 21:00	1.2	140	0	2.2
	2022/07/06 20:00	2.8	143	0	2.3
	2022/07/06 19:00	3.7	145	0	3.5
	2022/07/06 18:00	3.2	144	0	7.2
	2022/07/06 17:00	2.9	139	0	5.1
	2022/07/04 12:00	2.2	135	0	2.3
	2022/07/04 11:00	1.7	139	0	5.2
	2022/07/04 10:00	0.8	138	0	1.6
	2022/07/03 21:00	1.2	140	0	1.7
	2022/07/03 20:00	2.4	143	0	6.4
	2022/07/03 19:00	3	144	0	5.6
	2022/07/03 18:00	2.9	146	0	6.8
	2022/07/01 20:00	0.8	126	0	0.1
	2022/07/01 19:00	0.1	122	0	0.1



<b>Unit 21</b>	2022/07/31 21:00	1.5	110	0	0.1
	2022/07/31 20:00	1.5	142	0	0.8
	2022/07/31 19:00	3.7	149	0	0.5
	2022/07/31 18:00	3.6	150	0	0.5
	2022/07/31 11:00	0.6	110	0	2
	2022/07/31 10:00	1.9	134	0	0.2
	2022/07/30 21:00	1.9	131	0	0.7
	2022/07/30 20:00	1.4	141	0	1.2
	2022/07/30 19:00	3.7	143	0	1
	2022/07/29 20:00	1.5	116	0	0.4
	2022/07/28 20:00	1.5	135	0	0.2
	2022/07/27 20:00	1.5	129	0	0.1
	2022/07/27 19:00	2.8	140	0	0.1
	2022/07/27 18:00	2.4	142	0	0.1
	2022/07/26 21:00	1.4	99	0	0.1
	2022/07/26 20:00	1.5	122	0	0.1
	2022/07/26 19:00	3.9	136	0	2.3
	2022/07/25 21:00	2	146	0	0.4
	2022/07/25 20:00	1.9	149	0	0.5
	2022/07/25 19:00	1.6	147	0	0.7
	2022/07/25 18:00	1.4	149	0	0.2
	2022/07/25 17:00	1.2	153	0	0.1
	2022/07/25 16:00	1.3	154	0	0.1
	2022/07/25 15:00	0.9	130	0	0.1
	2022/07/25 14:00	0.9	133	0	0.1

	2022/07/25 13:00	1	114	0	0.1
	2022/07/25 12:00	1.3	135	0	0.1
	2022/07/25 11:00	1.9	150	0	0.1
	2022/07/25 10:00	2.1	148	0	0.5
	2022/07/25 09:00	2.2	147	0	0.5
	2022/07/25 08:00	1.5	145	0	0.8
	2022/07/25 07:00	3.7	144	0	0.1
	2022/07/24 19:00	2.9	140	0	0.1
	2022/07/23 19:00	3.5	124	0	0.4
	2022/07/21 21:00	1.8	140	0	0.5
	2022/07/21 20:00	1.8	138	0	0.4
	2022/07/21 19:00	3.2	139	0	0.6
	2022/07/21 18:00	3.1	139	0	0.5
	2022/07/21 17:00	3.1	143	0	0.6
	2022/07/21 11:00	1.7	147	0	1.1
	2022/07/21 10:00	1.5	147	0	1
	2022/07/21 09:00	1.1	147	0	2.1
	2022/07/21 08:00	1.2	147	0	0.4
	2022/07/21 07:00	3.6	149	0	0.1
	2022/07/20 21:00	1.7	116	0	0.6
	2022/07/20 20:00	2	147	0	0.5
	2022/07/20 19:00	2.1	147	0	1
	2022/07/20 18:00	1.8	147	0	0.6
	2022/07/20 17:00	1.8	147	0	0.4
	2022/07/20 16:00	1.6	145	0	0.2
	2022/07/20 15:00	2.4	144	0	0.9

	2022/07/20 14:00	2.3	117	0	0.6
	2022/07/20 13:00	2.3	115	0	0.4
	2022/07/20 12:00	2.5	147	0	0.6
	2022/07/20 11:00	1.6	145	0	1.4
	2022/07/20 07:00	3.8	114	0	0.1
	2022/07/19 20:00	1.1	142	0	0.1
	2022/07/19 19:00	2.5	144	0	1.5
	2022/07/18 21:00	1.8	138	0	0.3
	2022/07/18 20:00	1.6	140	0	0.3
	2022/07/18 19:00	2.7	137	0	0.2
	2022/07/18 18:00	3.4	144	0	0.2
	2022/07/18 11:00	2.8	119	0	0.1
	2022/07/18 10:00	2.7	130	0	0.1
	2022/07/15 13:00	1.2	131	0	0.1
	2022/07/15 12:00	1.4	136	0	0.1
	2022/07/15 11:00	3.5	138	0	0.1
	2022/07/14 21:00	1.5	130	0	0.6
	2022/07/14 20:00	1.5	133	0	0.4
	2022/07/14 19:00	2.9	135	0	0.1
	2022/07/14 18:00	2.7	135	0	0.1
	2022/07/12 20:00	1.3	130	0	0.1
	2022/07/12 19:00	2.9	134	0	0.2
	2022/07/12 18:00	2.8	138	0	0.3
	2022/07/11 20:00	1.4	136	0	0.1
	2022/07/11 19:00	2.8	142	0	0.1
	2022/07/11 18:00	2.7	142	0	0.1

	2022/07/10 21:00	1.2	133	0	0.1
	2022/07/10 20:00	1.3	133	0	0.1
	2022/07/10 19:00	3.3	143	0	0.4
	2022/07/10 12:00	1.4	130	0	0.2
	2022/07/10 11:00	3.5	133	0	0.2
	2022/07/10 10:00	3.4	134	0	0.8
	2022/07/09 20:00	1.4	125	0	0.2
	2022/07/09 19:00	3.1	135	0	0.4
	2022/07/07 11:00	2.8	142	0	0.4
	2022/07/07 10:00	2.7	142	0	0.6
	2022/07/06 21:00	1.4	141	0	0.1
	2022/07/06 20:00	1.1	139	0	0.1
	2022/07/06 19:00	2.5	139	0	0.3
	2022/07/06 18:00	2.4	138	0	0.1
	2022/07/06 17:00	2.6	136	0	0.1
	2022/07/05 13:00	1.1	127	0	0.1
	2022/07/05 12:00	1.3	143	0	0.1
	2022/07/05 11:00	2.8	142	0	0.1
	2022/07/05 10:00	2.6	142	0	0.1
	2022/07/04 20:00	1.6	140	0	0.7
	2022/07/04 19:00	2.4	139	0	2.2
	2022/07/04 17:00	2.1	137	0	1.5
	2022/07/04 16:00	2	144	0	1.1
	2022/07/04 15:00	1.9	131	0	0.7
	2022/07/04 14:00	1.9	133	0	0.5
	2022/07/04 13:00	1.9	107	0	0.6

	2022/07/04 12:00	2	141	0	0.4
	2022/07/04 11:00	2.7	142	0	0.1
	2022/07/04 10:00	2.6	141	0	0.3
	2022/07/04 09:00	2.9	143	0	0.1
	2022/07/03 22:00	1.9	141	0	2.8
	2022/07/03 21:00	2	141	0	1.9
	2022/07/03 20:00	2	142	0	0.9
	2022/07/03 19:00	4.1	144	0	0.4
	2022/07/03 18:00	3.9	144	0	0.2
	2022/07/02 19:00	3.2	139	0	0.4
	2022/07/01 20:00	1.9	137	0	0.6
	2022/07/01 19:00	2.9	148	0	0.3
	2022/07/01 18:00	3	152	0	0.5
<b>Unit 22</b>	2022/07/31 20:00	0.9	126	0.1	0.1
	2022/07/31 19:00	0.2	129	0.1	0.8
	2022/07/26 20:00	0.9	108	0.1	0.4
	2022/07/25 21:00	1.2	120	0.1	2.3
	2022/07/25 20:00	1.3	130	0.1	2.3
	2022/07/25 19:00	0.1	127	0.1	2.5
	2022/07/25 18:00	0.5	128	0.1	2.5
	2022/07/25 17:00	1.3	134	0.1	3
	2022/07/25 12:00	1.3	125	0.1	1.3
	2022/07/25 11:00	0.1	131	0.1	0.6
	2022/07/25 10:00	0.1	130	0.1	0.8
	2022/07/25 09:00	0.3	132	0.1	1

	2022/07/25 08:00	1.3	132	0.1	1.3
	2022/07/25 07:00	0.2	136	0.1	0.3
	2022/07/05 20:00	3.4	126	0.1	1.1
	2022/07/04 12:00	3.1	118	0.1	0.8
	2022/07/04 11:00	0.1	125	0.1	0.9
	2022/07/04 10:00	0.1	126	0.1	1.4
	2022/07/04 09:00	1.5	131	0.1	2.9
	2022/07/03 21:00	3.9	128	0.1	1
	2022/07/03 20:00	3.7	130	0.1	0.9
	2022/07/03 19:00	0.4	127	0.1	0.6
	2022/07/03 18:00	2.5	132	0.1	2.1
	2022/07/01 20:00	4.7	120	0.1	1.3
	2022/07/01 19:00	1.8	128	0.1	1.5
<b>Unit 31</b>	2022/07/31 21:00	5.8	128	0	0.2
	2022/07/31 20:00	5.6	149	0	0.4
	2022/07/31 19:00	7.2	156	0	0.3
	2022/07/31 18:00	7.4	163	0	0.4
	2022/07/31 10:00	6.4	141	0	0.2
	2022/07/30 20:00	6.9	121	0	0.2
	2022/07/30 19:00	7.4	156	0	1
	2022/07/27 20:00	8.9	114	0	1.4
	2022/07/27 19:00	8	124	0	1.2
	2022/07/26 20:00	8.5	114	0	1.2
	2022/07/26 19:00	6.6	131	0	0.3

	2022/07/25 21:00	8.6	123	0	2.3
	2022/07/25 20:00	8	127	0	1.1
	2022/07/25 19:00	6.9	146	0	0.5
	2022/07/25 18:00	6.9	149	0	0.4
	2022/07/25 17:00	6.9	155	0	0.3
	2022/07/25 12:00	7.7	130	0	1.3
	2022/07/25 11:00	7.6	134	0	1.2
	2022/07/25 10:00	8	137	0	1.8
	2022/07/25 09:00	8.3	124	0	1.4
	2022/07/25 08:00	6.9	117	0	0.3
	2022/07/25 07:00	4.8	144	0	0.2
	2022/07/24 19:00	7.5	155	0	1.4
	2022/07/23 19:00	7.3	135	0	1.8
	2022/07/21 11:00	9	157	0	2.9
	2022/07/21 10:00	7.5	159	0	0.7
	2022/07/21 09:00	6.2	154	0	0.2
	2022/07/21 08:00	5.4	154	0	0.2
	2022/07/21 07:00	4.3	155	0	0.2
	2022/07/20 21:00	7.1	106	0	1
	2022/07/20 20:00	7.2	134	0	1.7
	2022/07/20 19:00	5	160	0	0.2
	2022/07/20 18:00	5.6	152	0	0.2
	2022/07/20 17:00	4.8	112	0	0.2
	2022/07/20 16:00	5.1	135	0	0.3
	2022/07/20 15:00	6.4	124	0.4	1.5
	2022/07/20 14:00	7.2	128	0.1	1.6

	2022/07/20 13:00	7.1	136	0.1	1.3
	2022/07/20 12:00	7.7	158	0.1	1.6
	2022/07/20 11:00	8.5	159	0.1	2
	2022/07/20 10:00	7.9	152	0.1	1
	2022/07/20 07:00	4.9	129	0.2	0.2
	2022/07/19 21:00	5.8	109	0.1	0.6
	2022/07/19 20:00	5.4	158	0.1	0.3
	2022/07/19 19:00	6.9	159	0.2	1.8
	2022/07/12 20:00	7.5	117	0.1	0.4
	2022/07/12 19:00	7.2	128	0.1	1.8
	2022/07/12 18:00	7.1	133	0.1	1.6
	2022/07/11 20:00	5.1	119	0.1	0.5
	2022/07/11 19:00	6.8	147	0.1	0.6
	2022/07/11 18:00	7.3	160	0.1	1.3
	2022/07/09 20:00	8.2	111	0.1	1.7
	2022/07/09 19:00	7.2	143	0.1	1.2
	2022/07/07 11:00	8.5	155	0.1	2
	2022/07/06 21:00	8.8	120	0.1	2.2
	2022/07/06 20:00	8.4	129	0.2	1.3
	2022/07/06 19:00	6.8	144	0.1	0.6
	2022/07/04 20:00	8.8	154	0.1	2.4
	2022/07/04 19:00	7.9	151	0.2	0.8
	2022/07/04 18:00	8	151	0.4	0.5
	2022/07/04 17:00	8.5	131	0.2	0.7
	2022/07/04 16:00	8.3	160	0.1	0.6
	2022/07/04 15:00	7.7	135	0.1	0.6



	2022/07/04 14:00	8.1	98	0.2	0.6
	2022/07/04 13:00	8.4	99	0.2	0.9
	2022/07/04 12:00	8.2	112	0.2	0.9
	2022/07/04 11:00	8.4	116	0.1	1.6
	2022/07/04 10:00	7.9	121	0.1	0.9
	2022/07/04 09:00	7.1	133	0.1	0.2
	2022/07/03 21:00	9	116	0.1	1.7
	2022/07/03 20:00	7.5	123	0.1	0.3
	2022/07/03 19:00	7.5	151	0.1	1.7
	2022/07/03 18:00	7.5	132	0.1	1.2
<b>Unit 32</b>	2022/07/31 21:00	3.8	149	0	0.5
	2022/07/31 20:00	3.3	184	0	0
	2022/07/31 19:00	3.4	190	0	0
	2022/07/30 19:00	3.9	186	0	0
	2022/07/26 20:00	4.8	147	0	0
	2022/07/25 21:00	4.1	141	0	0.3
	2022/07/25 20:00	3.8	156	0	0
	2022/07/25 19:00	4.1	166	0	0
	2022/07/25 18:00	4.3	171	0	0
	2022/07/25 12:00	4.9	152	0	5.6
	2022/07/25 11:00	4.9	174	0	5.2
	2022/07/25 10:00	4.3	194	0	3.1
	2022/07/25 09:00	3.8	194	0	0.9
	2022/07/25 08:00	4	194	0	0
	2022/07/25 07:00	4.2	179	0	0
	2022/07/10 21:00	5.5	144	0	0.5
	2022/07/10 20:00	4.6	180	0	0
	2022/07/10 19:00	4.6	173	0	0
	2022/07/04 12:00	7.7	134	0	10.7
	2022/07/04 11:00	6.8	141	0	6.7
	2022/07/04 10:00	6.2	148	0	3.2
	2022/07/04 09:00	6.2	162	0	1.2
	2022/07/03 21:00	6.4	145	0	0.3
	2022/07/03 20:00	5.9	157	0	0
	2022/07/03 19:00	5.8	179	0	0
	2022/07/03 18:00	6.2	161	0	0

<b>Unit 41</b>	2022/07/31 21:00	4.5	145	0.1	6.3
	2022/07/31 20:00	4.7	168	0	6.6
	2022/07/31 19:00	5.2	170	0.1	3.7
	2022/07/31 18:00	5.1	171	0	0
	2022/07/31 10:00	4.2	164	0.1	0.3
	2022/07/30 20:00	5	144	0	4.8
	2022/07/30 19:00	4.9	175	0.1	2.4
	2022/07/29 20:00	5.5	126	0	5.2
	2022/07/28 20:00	5.8	174	0.1	5.2
	2022/07/27 20:00	5.7	143	0	6.8
	2022/07/27 19:00	5.5	138	0	0
	2022/07/27 18:00	5.7	163	0.1	0
	2022/07/26 21:00	6.3	132	0	12.6
	2022/07/26 20:00	5.9	137	0.1	6.2
	2022/07/26 19:00	5.3	149	0.1	0
	2022/07/25 21:00	5.4	139	0.1	4.3
	2022/07/25 20:00	5.8	146	0	8.7
	2022/07/25 19:00	6.3	170	0.1	4.8
	2022/07/25 18:00	6.2	168	0	3.9
	2022/07/25 17:00	6.1	167	0.1	3.8
	2022/07/25 16:00	6.2	172	0	7.5
	2022/07/25 15:00	6.1	165	0.1	4.3
	2022/07/25 14:00	5.9	167	0	4.4
	2022/07/25 13:00	5.5	151	0	2.9
	2022/07/25 12:00	5.6	150	0.1	9.6

	2022/07/25 11:00	6.3	161	0	21.6
	2022/07/25 10:00	5.9	165	0.1	17.9
	2022/07/25 09:00	5.4	148	0.1	11.7
	2022/07/25 08:00	5.1	143	0	5.8
	2022/07/25 07:00	4.8	166	0	3.4
	2022/07/24 19:00	5.8	173	0.1	2.6
	2022/07/23 19:00	5.4	154	0.1	3.5
	2022/07/21 21:00	5.6	142	0.1	3.4
	2022/07/21 20:00	5.8	145	0	6
	2022/07/21 19:00	5.7	174	0	1
	2022/07/21 18:00	5.3	172	0	0
	2022/07/21 17:00	5.5	156	0	3.4
	2022/07/21 11:00	6.2	175	0	22.9
	2022/07/21 10:00	6.2	176	0	20
	2022/07/21 09:00	5.5	176	0	13.1
	2022/07/21 08:00	4.7	174	0.1	5
	2022/07/21 07:00	4.4	175	0.1	1.9
	2022/07/20 21:00	5.1	115	0.1	1
	2022/07/20 20:00	5.1	160	0	7.3
	2022/07/20 19:00	5.2	183	0.1	13.1
	2022/07/20 18:00	5	165	0	10.2
	2022/07/20 17:00	4.8	142	0	5.1
	2022/07/20 16:00	5.2	162	0	10.2
	2022/07/20 15:00	6.4	166	0	22.2
	2022/07/20 14:00	6.3	148	0	20
	2022/07/20 13:00	6	158	0.1	13.6

	2022/07/20 12:00	5.5	180	0.1	6
	2022/07/20 11:00	5.6	179	0.1	2.7
	2022/07/20 07:00	4.4	165	0.1	0.2
	2022/07/19 21:00	4.8	124	0.1	9.8
	2022/07/19 20:00	4.6	178	0	4.7
	2022/07/19 19:00	4.5	178	0.1	0
	2022/07/18 21:00	5.2	147	0	9.7
	2022/07/18 20:00	5.1	157	0.1	4.8
	2022/07/18 19:00	5.1	154	0	3.4
	2022/07/15 13:00	6	141	0.1	10.6
	2022/07/15 12:00	5.2	142	0.1	4.5
	2022/07/15 11:00	5	162	0.1	0
	2022/07/14 21:00	5.7	145	0.1	6.6
	2022/07/14 20:00	5.5	147	0.1	5.5
	2022/07/14 19:00	5.3	145	0.1	4.6
	2022/07/14 18:00	5.1	165	0	2.6
	2022/07/13 19:00	4.3	166	0	0
	2022/07/12 20:00	5	139	0	4.2
	2022/07/12 19:00	4.6	149	0	0.5
	2022/07/12 18:00	4.7	157	0	0
	2022/07/11 20:00	5.1	147	0.1	4.9
	2022/07/11 19:00	5.3	168	0.1	3.8
	2022/07/11 18:00	5.2	177	0.1	2.1
	2022/07/10 11:00	5.6	169	0	2.5
	2022/07/08 20:00	5.9	145	0	5
	2022/07/08 19:00	5.8	145	0	0

	2022/07/08 18:00	5.8	163	0.1	0
	2022/07/07 20:00	4.9	153	0	6.1
	2022/07/07 19:00	5	175	0	7.2
	2022/07/07 18:00	4.8	175	0	3.8
	2022/07/07 17:00	4.9	166	0.1	1.9
	2022/07/07 16:00	5.1	172	0	7.4
	2022/07/07 15:00	6.1	148	0.1	14.3
	2022/07/07 14:00	6	127	0.1	12.5
	2022/07/07 13:00	5.5	149	0.1	6.3
	2022/07/07 12:00	5.3	132	0.1	6
	2022/07/07 11:00	5.2	174	0	1.3
	2022/07/07 10:00	4.9	175	0	0.1
	2022/07/06 21:00	4.3	144	0	1.3
	2022/07/06 20:00	4.9	154	0.1	5.1
	2022/07/06 19:00	5	167	0	3
	2022/07/06 18:00	4.9	155	0	0.2
	2022/07/06 17:00	4.9	143	0.1	0
	2022/07/05 13:00	6	131	0.1	6
	2022/07/05 12:00	5.7	144	0.1	5.6
	2022/07/05 11:00	5.2	149	0.1	1.3
	2022/07/05 10:00	4.9	159	0	0
	2022/07/04 21:00	5	161	0	0.4
	2022/07/04 20:00	5.2	176	0.1	5.7
	2022/07/04 19:00	5.4	171	0	7.9
	2022/07/04 18:00	5.3	172	0	3.6
	2022/07/04 17:00	5.1	147	0.1	1.2

	2022/07/04 16:00	5.5	178	0	6.6
	2022/07/04 15:00	5.8	152	0.1	10
	2022/07/04 14:00	5.7	155	0.1	6.2
	2022/07/04 13:00	5.6	108	0.1	3.1
	2022/07/04 12:00	5.3	146	0.1	6
	2022/07/04 11:00	5.8	144	0.1	2.7
	2022/07/04 10:00	5.1	143	0	0.1
	2022/07/04 09:00	4.8	154	0	0.5
	2022/07/03 22:00	4.7	159	0	11.4
	2022/07/03 21:00	4.6	146	0	6
	2022/07/03 20:00	5.1	155	0	3.9
	2022/07/03 19:00	5.9	174	0.1	5.1
	2022/07/03 18:00	5.9	157	0	3.6
	2022/07/02 19:00	6	173	0	1.9
<b>Unit 42</b>	2022/07/31 21:00	4.6	152	0.1	2.2
	2022/07/31 20:00	4.2	174	0.1	1.8
	2022/07/31 10:00	1.8	171	0.1	1.2
	2022/07/30 20:00	3.6	152	0.1	0.5
	2022/07/30 19:00	1.4	174	0.1	0.7
	2022/07/27 20:00	2.2	126	0.1	0.7
	2022/07/27 19:00	3.3	139	0.1	1.4
	2022/07/26 20:00	3.1	128	0.1	0.6
	2022/07/26 19:00	3.2	152	0.1	1.4
	2022/07/25 21:00	1.7	128	0.1	0.6

	2022/07/25 20:00	1.9	139	0	0.5
	2022/07/25 19:00	2.1	156	0.1	0.7
	2022/07/25 18:00	2.2	161	0	0.7
	2022/07/25 17:00	2.7	169	0	0.7
	2022/07/25 12:00	3.3	142	0	1
	2022/07/25 11:00	2.8	139	0.1	0.8
	2022/07/25 10:00	3	146	0.1	0.8
	2022/07/25 09:00	2.9	136	0.1	0.8
	2022/07/25 08:00	3.8	133	0.1	1.3
	2022/07/25 07:00	1.6	164	0.1	1.7
	2022/07/21 11:00	4	184	0.1	1.3
	2022/07/21 10:00	3.7	180	0.1	1.1
	2022/07/21 09:00	4.4	176	0.1	1.6
	2022/07/21 08:00	3.2	171	0.1	0.6
	2022/07/21 07:00	1.6	171	0.1	0.9
	2022/07/20 21:00	1.6	124	0.1	0.6
	2022/07/20 20:00	2	164	0.1	0.5
	2022/07/20 19:00	2.7	184	0.1	1.5
	2022/07/20 18:00	2.8	153	0.1	1.9
	2022/07/20 17:00	3.1	132	0.1	2.1
	2022/07/20 16:00	2.9	155	0.1	1.3
	2022/07/20 15:00	2.8	159	0.1	0.8
	2022/07/20 14:00	3.3	136	0.1	1.1
	2022/07/20 13:00	3.5	145	0.1	1.4
	2022/07/20 12:00	3.8	183	0.1	1.3
	2022/07/20 11:00	2.1	182	0	1.6

	2022/07/19 20:00	3.8	183	0.1	1.1
	2022/07/19 19:00	2.6	176	0.1	1
	2022/07/12 20:00	4	136	0.1	1.7
	2022/07/12 19:00	2.5	149	0.1	1.3
	2022/07/12 18:00	3	143	0.1	1.7
	2022/07/10 21:00	3.7	126	0.1	1.6
	2022/07/10 20:00	3.8	177	0.1	1.4
	2022/07/10 19:00	2.5	171	0.1	0.9
	2022/07/07 11:00	3.1	177	0.1	1.7
	2022/07/04 12:00	3.8	122	0.1	1.6
	2022/07/04 11:00	1.4	121	0.1	0.8
	2022/07/04 10:00	2.1	131	0.1	1.2
	2022/07/04 09:00	2.3	154	0.1	0.7
	2022/07/03 21:00	2.9	125	0.1	0.8
	2022/07/03 20:00	2.5	145	0.1	0.5
	2022/07/03 19:00	0.7	161	0	0.6
	2022/07/03 18:00	1.2	144	0.1	0.6
<b>Unit 43</b>	2022/07/31 21:00	4.1	127	0	4.1
	2022/07/31 20:00	3.2	145	0	2.3
	2022/07/31 19:00	0.8	146	0	0.2
	2022/07/31 18:00	1.3	150	0	0.2
	2022/07/31 10:00	0.9	138	0	1.2
	2022/07/30 20:00	2	149	0	0.7
	2022/07/30 19:00	3.4	159	0	3.5



	2022/07/27 20:00	2.2	148	0	0.6
	2022/07/27 19:00	2.1	162	0	0.7
	2022/07/26 20:00	2.2	135	0	0.5
	2022/07/26 19:00	1.7	143	0	0.4
	2022/07/25 21:00	2.4	161	0	0.6
	2022/07/25 20:00	2.3	171	0	0.4
	2022/07/25 19:00	2.5	171	0	0.7
	2022/07/25 18:00	2.6	171	0	0.7
	2022/07/25 17:00	2.5	174	0	0.7
	2022/07/25 16:00	2.5	172	0	0.5
	2022/07/25 15:00	1.5	126	0	0.1
	2022/07/25 14:00	1.4	134	0	0.1
	2022/07/25 13:00	1.7	104	0	0.2
	2022/07/25 12:00	2.4	159	0	0.4
	2022/07/25 11:00	3.8	170	0	2.2
	2022/07/25 10:00	3	168	0	0.6
	2022/07/25 09:00	2.7	165	0	0.4
	2022/07/25 08:00	2.4	165	0	0.1
	2022/07/25 07:00	1.2	161	0	0.6
	2022/07/24 19:00	1.8	152	0	0.1
	2022/07/23 19:00	2.1	138	0	0.9
	2022/07/21 21:00	3.5	161	0	0.7
	2022/07/21 20:00	4.1	159	0	1.9
	2022/07/21 19:00	0.6	149	0	0
	2022/07/21 18:00	1.1	151	0	0.3
	2022/07/21 17:00	1.6	156	0	0.5

	2022/07/21 11:00	2.4	162	0	0.5
	2022/07/21 10:00	2.3	156	0	0.4
	2022/07/21 09:00	1.8	152	0	0.1
	2022/07/21 08:00	1.7	150	0	0
	2022/07/21 07:00	1.8	163	0	1.2
	2022/07/20 21:00	4.4	118	0	2.7
	2022/07/20 20:00	3.2	164	0	0.7
	2022/07/20 19:00	1.5	156	0	0
	2022/07/20 18:00	2.2	157	0	0.5
	2022/07/20 17:00	1.8	153	0	0.3
	2022/07/20 16:00	1.9	153	0	0.3
	2022/07/20 15:00	3.8	157	0	1.8
	2022/07/20 14:00	4.9	114	0	3.7
	2022/07/20 13:00	4.3	132	0	2.3
	2022/07/20 12:00	3.1	161	0	0.2
	2022/07/20 11:00	1.7	152	0	0.2
	2022/07/20 10:00	2.6	155	0	1.1
	2022/07/20 07:00	1.7	152	0	1.4
	2022/07/19 21:00	4.4	116	0	3.4
	2022/07/19 20:00	2.9	161	0	0.4
	2022/07/19 19:00	1.6	159	0	0.5
	2022/07/18 21:00	4.1	158	0	2.7
	2022/07/18 20:00	3.6	155	0	1.9
	2022/07/18 19:00	2.1	150	0	1.3
	2022/07/14 21:00	4.1	148	0	4.1
	2022/07/14 20:00	3.1	146	0	2.4

	2022/07/14 19:00	1.9	148	0	1.2
	2022/07/14 18:00	2.2	150	0	1.9
	2022/07/11 20:00	2.7	144	0	3.2
	2022/07/11 19:00	2.1	151	0	2
	2022/07/11 18:00	2.3	158	0	1.9
	2022/07/10 11:00	2.4	147	0	1.4
	2022/07/09 20:00	2.1	114	0	0.6
	2022/07/09 19:00	2.4	148	0	1.3
	2022/07/07 20:00	3.4	150	0	2.1
	2022/07/07 19:00	2.2	149	0	0.1
	2022/07/07 18:00	1.9	147	0	0
	2022/07/07 17:00	1.9	141	0	0
	2022/07/07 16:00	1.9	144	0	0
	2022/07/07 15:00	3	124	0	0.8
	2022/07/07 14:00	3.1	125	0	0.7
	2022/07/07 13:00	3.3	128	0	1
	2022/07/07 12:00	3.2	121	0	0.9
	2022/07/07 11:00	2.2	152	0	1.1
	2022/07/07 10:00	1.5	151	0	0.5
	2022/07/06 21:00	3.7	158	0	1.7
	2022/07/06 20:00	2.8	156	0	0.2
	2022/07/06 19:00	2.2	157	0	1.1
	2022/07/05 13:00	4.6	135	0	4.9
	2022/07/05 12:00	2.8	156	0	1
	2022/07/05 11:00	1.7	154	0	1.3
	2022/07/05 10:00	1.9	156	0	1.6



22	25	24	49
31	73	65	122
32	26	24	50
41	117	64	181
42	53	38	91
43	103	53	156
<i>Total</i>	<i>682</i>	<i>439</i>	<i>1121</i>

### 3 Monitoring Equipment: Continuous Emission Monitoring System (CEMS) availability

Table 5

Associated Unit	Technology Type	Actual Utilisation (%) for the month of July
Unit 11	CEMS	100%
Unit 12	CEMS	100%
Unit 21	CEMS	100%
Unit 22	CEMS	100%
Unit 31	CEMS	100%
Unit 32	CEMS	100%
Unit 41	CEMS	100%
Unit 42	CEMS	100%
Unit 43	CEMS	100%

### 4 Monitoring Equipment Calibration

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.

### 5 Ambient Monitoring Station

The station has had the PM analyser installed and unfortunately due to weather related damages it had to be uninstalled. The analyser must still be repaired.

**6 Load Factor:** 12.03%

### 7 Leak Detection and Repair programme

No leaks were reported during July 2022

### 8 Complaints Register

Table 6. Complaints for the month of July 2022

Source Code/ Name	Root Cause Analysis	Calculation of Impacts/ emissions associated with the incident	Dispersion modelling of pollutants where applicable	Measures implemented to prevent reoccurrence	Date by which measure will be implemented
<i>None</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

### 9 General

The rest of the information demonstrating compliance with the emission license conditions is supplied in the annual emission reports sent to your office.

Trusting the above meets the reporting requirements specified within the stations' Atmospheric Emission License.

Do not hesitate to contact Maureen Dlulisa on 021 573 6162 for any related queries.

Yours sincerely

A handwritten signature in black ink, appearing to read 'P. Mrubata', written over a horizontal line.

Pamela Mrubata

**ANKERLIG POWER STATION**