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Air Quality Management  
246 Voortrekker Road  
Vasco  
7460

Date:  
15 June 2021

Enquiries:  
021 573 6162

Ref: ANK/2021/06

Dear Ian

## ANKERLIG POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF MAY 2021

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 May, 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 May 2021

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Total consumption in Month of May
	Fuel Diesel	Tons/hour/unit	40	33 717 549.11L
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted per unit (MW)	Total production/Power sent out in Month of May
	Energy	MWh	170 MW per hour per unit	106 967.95 MW/h
	Fuel use per hour per unit (L)		Fuel efficiency Litres per MWH	
	Unit 11: 35 208.95 Unit 12: 33 550.28 Unit 21: 34 841.42 Unit 22: 34 091.21 Unit 31: 35 245.02 Unit 32: 33 514.59 Unit 41: 33 386.49 Unit 42: 33 924.25 Unit 43: 33 971.81		Unit 11: 312.29 Unit 12: 320.91 Unit 21: 309.78 Unit 22: 317.40 Unit 31: 319.07 Unit 32: 323.30 Unit 41: 309.70 Unit 42: 314.56 Unit 43: 314.40	

## 2 Abatement Technology

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

Associated Unit	Technology Type	Actual Utilisation (%) for the month of May
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 May

	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>					
	2021/05/31 20:00	0.1	137	0	44
	2021/05/31 19:00	0.1	138	0	43.8
	2021/05/31 18:00	0.1	143	0	43.7
	2021/05/31 17:00	0.1	141	0	43.3
	2021/05/31 16:00	0.1	141	0	43.2
	2021/05/31 15:00	0.1	139	0	43.5
	2021/05/31 14:00	0.1	139	0	44.1
	2021/05/31 13:00	0.1	138	0	44.3
	2021/05/31 12:00	0.1	138	0	44.6
	2021/05/31 11:00	0.1	135	0	44.2
	2021/05/31 10:00	3.4	128	0	43.2
	2021/05/30 23:00	0.1	118	0	45.8
	2021/05/30 22:00	0.1	138	0	43.6
	2021/05/30 21:00	0.1	142	0	43.7

	2021/05/30 20:00	0.1	142	0	43.2
	2021/05/30 19:00	0.1	141	0	42.9
	2021/05/30 18:00	0.1	139	0	42.6
	2021/05/29 21:00	0.1	139	0	41.4
	2021/05/29 20:00	0.1	139	0	41.7
	2021/05/29 19:00	0.1	139	0	41.7
	2021/05/27 20:00	0.1	136	0	40.5
	2021/05/27 19:00	0.1	141	0	39.9
	2021/05/26 22:00	0.1	119	0	40.1
	2021/05/26 21:00	0.1	138	0	38.3
	2021/05/26 20:00	0.1	139	0	38.3
	2021/05/26 19:00	0.1	120	0	40
	2021/05/26 18:00	0.1	140	0	37.7
	2021/05/25 22:00	0.1	142	0	37.2
	2021/05/25 21:00	0.1	143	0	37
	2021/05/25 20:00	0.1	145	0	37
	2021/05/25 19:00	0.1	143	0	36.6
	2021/05/25 18:00	0.1	143	0	36.2
	2021/05/25 17:00	0.1	143	0	36.6
	2021/05/24 21:00	0.1	138	0	35.8
	2021/05/24 20:00	0.1	138	0	35.9
	2021/05/24 19:00	0.1	136	0	36.1
	2021/05/19 20:00	0.1	141	0	31.7
	2021/05/19 19:00	0.1	141	0	31.8
	2021/05/18 21:00	0.1	97	0	34.6
	2021/05/18 20:00	0.1	143	0	31.4

	2021/05/18 19:00	0.1	154	0	30.2
	2021/05/18 18:00	0.1	153	0	30.2
	2021/05/17 20:00	0.1	141	0	29.2
	2021/05/17 19:00	0.1	142	0	29
	2021/05/16 21:00	0.1	140	0	27.6
	2021/05/16 20:00	0.1	141	0	27.5
	2021/05/16 19:00	0.1	142	0	27.1
	2021/05/16 18:00	0.1	143	0	26.9
	2021/05/16 17:00	0.1	143	0	26.5
	2021/05/13 21:00	0.1	139	0	22.3
	2021/05/13 20:00	0.1	140	0	22.2
	2021/05/13 19:00	0.7	140	0	21.8
	2021/05/11 20:00	0.1	139	0	18.4
	2021/05/11 19:00	0.1	138	0	18
	2021/05/11 18:00	0.9	137	0	17.4
	2021/05/10 21:00	0.1	133	0	16.2
	2021/05/10 20:00	0.1	133	0	15.9
	2021/05/10 19:00	0.2	133	0	16
	2021/05/10 18:00	1.3	132	0	15.8
	2021/05/09 20:00	0.1	105	0	15.1
	2021/05/09 19:00	0.1	134	0	13.9
	2021/05/06 20:00	5.2	136	0	4.2
	2021/05/06 19:00	7.3	137	0	3.3
	2021/05/06 18:00	7.5	134	0	2.4
	2021/05/05 20:00	7	151	0	70.7
	2021/05/05 19:00	8.5	152	0	70.5

	2021/05/04 20:00	7.2	118	0	72.7
	2021/05/04 19:00	10.2	149	0	67.2
	2021/05/03 20:00	19.8	169	0	63.3
<b>Unit 12</b>					
	2021/05/31 20:00	2.2	158	0	0.4
	2021/05/31 19:00	1.8	159	0	0.1
	2021/05/31 18:00	1.9	162	0	0.3
	2021/05/31 17:00	4.4	143	0	0.5
	2021/05/31 16:00	1.2	154	0	0.1
	2021/05/31 15:00	0.8	149	0	0.1
	2021/05/31 14:00	0.8	149	0	0.1
	2021/05/31 13:00	1	150	0	0.2
	2021/05/31 12:00	1.3	154	0	0.1
	2021/05/31 11:00	1.7	151	0	0.1
	2021/05/30 23:00	8.6	136	0	0.1
	2021/05/30 22:00	1.5	161	0	0.1
	2021/05/30 21:00	1.7	164	0	0.1
	2021/05/30 20:00	1.4	161	0	0.1
	2021/05/30 19:00	1.6	157	0	0.2
	2021/05/30 18:00	3.6	163	0	0.2
	2021/05/29 21:00	1.6	161	0	0.1
	2021/05/29 20:00	1.6	160	0	0.2
	2021/05/29 19:00	2.2	162	0	0.2
	2021/05/27 19:00	1.2	161	0	0.1
	2021/05/26 22:00	4.7	132	0	0.1

	2021/05/26 21:00	1.8	155	0	0.1
	2021/05/26 20:00	1.3	157	0	0.1
	2021/05/26 19:00	4.5	130	0	0.1
	2021/05/26 18:00	1.5	158	0	0.1
	2021/05/25 22:00	2.8	153	0	0.1
	2021/05/25 21:00	1.6	167	0	0.1
	2021/05/25 20:00	1.5	168	0	0.1
	2021/05/25 19:00	1.4	165	0	0.1
	2021/05/25 18:00	1.5	163	0	0.1
	2021/05/24 21:00	1.3	161	0	0.1
	2021/05/24 20:00	1.3	160	0	0.1
	2021/05/18 20:00	7.2	121	0	0.2
	2021/05/18 19:00	1.8	183	0	0.2
	2021/05/16 21:00	1.7	177	0	0.1
	2021/05/16 20:00	1.2	178	0	0.1
	2021/05/16 19:00	1.2	177	0	0.1
	2021/05/16 18:00	1.7	181	0	0.3
	2021/05/10 21:00	2.2	173	0	0.2
	2021/05/10 20:00	1.8	171	0	0.1
	2021/05/10 19:00	1.9	169	0	0.1
	2021/05/10 18:00	2.6	172	0	0.1
	2021/05/09 20:00	1.9	168	0	0.1
	2021/05/06 20:00	2.8	160	0	0.2
	2021/05/06 19:00	1.6	169	0	0.1
	2021/05/06 18:00	1.9	169	0	0.2
	2021/05/05 19:00	2.6	178	0	0.4

	2021/05/04 20:00	12.2	113	0	0.2
	2021/05/04 19:00	3.5	178	0	0.2
<b>Unit 21</b>					
	2021/05/31 20:00	2.4	146	0	1.3
	2021/05/31 19:00	2	146	0	1.2
	2021/05/31 18:00	1.7	148	0	0.9
	2021/05/31 17:00	1.6	146	0	0.5
	2021/05/31 16:00	1.1	144	0	0.5
	2021/05/31 15:00	1.2	143	0	1
	2021/05/31 14:00	1.4	144	0	1.6
	2021/05/31 13:00	1.7	144	0	1.3
	2021/05/31 12:00	1.9	144	0	0.1
	2021/05/31 11:00	2	141	0	0.1
	2021/05/31 10:00	2.2	143	0	0.2
	2021/05/30 23:00	2.2	129	0	1.4
	2021/05/30 22:00	2.1	146	0	1.2
	2021/05/30 21:00	2	149	0	1.1
	2021/05/30 20:00	3.5	148	0	0.1
	2021/05/30 19:00	3.2	146	0	0.1
	2021/05/30 18:00	3	145	0	0.1
	2021/05/29 22:00	2.2	141	0	0.7
	2021/05/29 21:00	2	143	0	0.7
	2021/05/29 20:00	2.7	144	0	0.1
	2021/05/29 19:00	2.6	144	0	0.1

	2021/05/27 21:00	2	144	0	1.1
	2021/05/27 20:00	2.9	147	0	0.1
	2021/05/27 19:00	2.9	147	0	0.1
	2021/05/27 18:00	3	149	0	0.1
	2021/05/27 12:00	1.4	118	0	3
	2021/05/27 11:00	1.8	139	0	1.7
	2021/05/27 10:00	2.1	137	0	1.3
	2021/05/27 09:00	2.2	141	0	1
	2021/05/27 08:00	3.2	146	0	0.2
	2021/05/26 23:00	1.2	121	0	0.3
	2021/05/26 22:00	1.2	126	0	0.2
	2021/05/26 21:00	0.9	143	0	0.2
	2021/05/26 20:00	3.6	146	0	0.1
	2021/05/26 19:00	3.2	125	0	0.1
	2021/05/26 18:00	2.7	144	0	0.1
	2021/05/25 22:00	1.7	149	0	0.2
	2021/05/25 21:00	1.8	149	0	0.2
	2021/05/25 20:00	2.4	150	0	1.8
	2021/05/25 19:00	1.9	147	0	1.1
	2021/05/25 18:00	1.8	146	0	0.5
	2021/05/25 17:00	1.8	148	0	0.5
	2021/05/24 21:00	1.2	143	0	0.2
	2021/05/24 20:00	2.8	142	0	0.1
	2021/05/24 19:00	2.5	141	0	0.1
	2021/05/23 20:00	3.6	160	0	0.9
	2021/05/23 19:00	3.4	160	0	1.2



	2021/05/19 20:00	2.7	146	0	0.1
	2021/05/19 19:00	2.5	147	0	0.1
	2021/05/19 18:00	2.5	147	0	0.1
	2021/05/18 21:00	1.5	104	0	0.2
	2021/05/18 20:00	3.4	152	0	0.6
	2021/05/18 19:00	2.8	161	0	0.3
	2021/05/18 18:00	2.6	160	0	0.2
	2021/05/17 20:00	3.2	150	0	0.2
	2021/05/17 19:00	2.8	152	0	0.1
	2021/05/17 18:00	3.5	163	0	0.3
	2021/05/16 21:00	1.8	149	0	0.3
	2021/05/16 20:00	2.8	152	0	0.2
	2021/05/16 19:00	2.4	152	0	0.1
	2021/05/16 18:00	2.3	152	0	0.1
	2021/05/13 21:00	1.3	145	0	0.1
	2021/05/13 20:00	3.3	147	0	0.1
	2021/05/13 19:00	3.3	154	0	0.2
	2021/05/11 20:00	3.2	150	0	0.2
	2021/05/11 19:00	2.7	148	0	0.2
	2021/05/10 21:00	1.5	141	0	0.2
	2021/05/10 20:00	2.8	142	0	0.1
	2021/05/10 19:00	2.7	140	0	0.1
	2021/05/10 18:00	2.5	140	0	0.1
	2021/05/09 20:00	2.8	146	0	0.1
	2021/05/09 19:00	2.7	147	0	0.1
	2021/05/06 20:00	2	143	0	0.1

	2021/05/06 19:00	1.8	143	0	0.1
	2021/05/06 18:00	2	143	0	0.1
	2021/05/05 20:00	2.5	145	0	0.1
	2021/05/05 19:00	2.2	147	0	0.1
	2021/05/04 20:00	3.1	114	0	0.1
	2021/05/04 19:00	2.8	146	0	0.1
	2021/05/03 20:00	3.8	165	0	0.1
<b>Unit 22</b>					
	2021/05/31 20:00	4.1	115	0.1	1.6
	2021/05/31 19:00	3.9	113	0.1	1.4
	2021/05/31 18:00	4.2	116	0.1	1.9
	2021/05/31 17:00	4.6	105	0.1	1.7
	2021/05/31 16:00	4.2	117	0.1	1
	2021/05/31 15:00	3.4	112	0.1	1.3
	2021/05/31 14:00	3.4	113	0.1	1.2
	2021/05/31 13:00	3.5	115	0.1	1.2
	2021/05/31 12:00	3.6	116	0.1	1.1
	2021/05/31 11:00	1	114	0.1	0.8
	2021/05/30 22:00	3	113	0.1	0.7
	2021/05/30 21:00	3	116	0.1	0.7
	2021/05/30 20:00	3.2	117	0.1	0.4
	2021/05/30 19:00	1.7	115	0.1	1.2
	2021/05/30 18:00	2.6	119	0.1	2.7
	2021/05/29 21:00	2.7	114	0.1	0.6
	2021/05/29 20:00	2.8	115	0.1	0.4

	2021/05/29 19:00	2.3	116	0.1	1.8
	2021/05/27 19:00	2.3	97	0.1	2.7
	2021/05/26 22:00	3.3	102	0.1	0.5
	2021/05/26 21:00	3.8	117	0.1	0.8
	2021/05/26 20:00	4	118	0.1	0.9
	2021/05/26 19:00	2.5	99	0.1	2.4
	2021/05/26 18:00	2.8	115	0.1	2.3
	2021/05/25 22:00	3	111	0.1	1.5
	2021/05/25 21:00	3.3	120	0.1	1.9
	2021/05/25 20:00	3.4	121	0.1	1.4
	2021/05/25 19:00	1.4	116	0.1	0.2
	2021/05/25 18:00	1.8	117	0.1	0.2
	2021/05/24 21:00	3.2	110	0.1	3.1
	2021/05/24 20:00	3.3	111	0.1	3
	2021/05/24 19:00	1.9	111	0.1	0.8
	2021/05/18 20:00	3.4	95	0.1	0.1
	2021/05/18 19:00	1.5	127	0.1	2.5
	2021/05/17 20:00	3.1	119	0.1	1.3
	2021/05/17 19:00	2.1	120	0.1	2
	2021/05/16 21:00	2.7	115	0.1	2.1
	2021/05/16 20:00	2.6	118	0.1	1.7
	2021/05/16 19:00	0.5	118	0.1	0.2
	2021/05/16 18:00	1.8	122	0.1	1.3
	2021/05/10 21:00	3.3	112	0.1	1.8
	2021/05/10 20:00	3.4	112	0.1	1.9
	2021/05/10 19:00	0.8	110	0.1	0.5

	2021/05/10 18:00	2	111	0.1	1.5
	2021/05/09 20:00	3	107	0.1	2.6
	2021/05/09 19:00	1.4	117	0.1	0.5
	2021/05/06 20:00	2.7	105	0.1	1.5
	2021/05/06 19:00	2	112	0.1	1
	2021/05/06 18:00	2.6	114	0.1	1.7
	2021/05/05 20:00	3.2	104	0.1	0.4
	2021/05/05 19:00	3.4	117	0.1	2.4
	2021/05/04 20:00	3.7	84	0.1	1.1
<b>Unit 31</b>					
	2021/05/31 21:00	6.7	102	0	0.5
	2021/05/31 20:00	6.6	105	0	0.4
	2021/05/31 19:00	6.7	115	0	0.5
	2021/05/31 18:00	6.8	128	0	0.4
	2021/05/31 17:00	6.6	122	0	0.4
	2021/05/31 16:00	6.4	148	0	0.3
	2021/05/31 15:00	7.1	148	0	0.9
	2021/05/31 14:00	7	148	0	0.9
	2021/05/31 13:00	7.4	148	0	0.8
	2021/05/31 12:00	7.3	150	0	0.8
	2021/05/31 11:00	4.5	142	0	0.2
	2021/05/31 10:00	5.5	144	0.1	0.2
	2021/05/30 23:00	6	129	0	2.7
	2021/05/30 22:00	6.1	112	0	2.6
	2021/05/30 21:00	6.1	142	0	2.2

	2021/05/30 20:00	6.3	144	0.1	2
	2021/05/30 19:00	4.6	138	0	0.2
	2021/05/30 18:00	4.4	139	0	0.2
	2021/05/30 17:00	5	141	0	0.3
	2021/05/29 22:00	5.8	141	0	0.2
	2021/05/29 21:00	5.7	143	0	0.2
	2021/05/29 20:00	5.6	144	0	0.2
	2021/05/29 19:00	5.2	140	0	0.3
	2021/05/27 21:00	6.7	103	0	0.7
	2021/05/27 20:00	6.8	104	0	0.7
	2021/05/27 19:00	4.8	102	0	0.2
	2021/05/27 18:00	5.7	147	0	0.3
	2021/05/27 12:00	6.7	111	0	0.4
	2021/05/27 11:00	5.1	105	0	0.4
	2021/05/27 10:00	5.4	123	0	0.4
	2021/05/27 09:00	5.6	114	0	0.5
	2021/05/27 08:00	6.1	112	0	0.7
	2021/05/26 23:00	7.3	104	0	2.1
	2021/05/26 22:00	7	117	0	1.8
	2021/05/26 21:00	7.2	145	0	1.3
	2021/05/26 20:00	7.1	146	0	1.3
	2021/05/26 19:00	5.3	130	0	0.3
	2021/05/26 18:00	5	143	0	0.2
	2021/05/26 17:00	5	142	0.1	0.2
	2021/05/25 23:00	6.5	147	0.1	2.3
	2021/05/25 22:00	6.4	152	0.2	1.8

	2021/05/25 21:00	6.5	152	0.1	1.5
	2021/05/25 20:00	6.5	153	0.1	1.3
	2021/05/25 19:00	4.7	147	0.1	0.3
	2021/05/25 18:00	4.5	145	0.2	0.2
	2021/05/25 17:00	4.9	146	0.1	0.2
	2021/05/24 21:00	5.5	103	0.1	0.2
	2021/05/24 20:00	5.3	106	0.2	0.2
	2021/05/24 19:00	4.2	131	0.1	0.2
	2021/05/24 18:00	5.5	136	0.1	0.6
	2021/05/23 20:00	5	136	0.1	0.3
	2021/05/23 19:00	8.2	148	0.1	2.3
	2021/05/18 21:00	5.1	101	0	0.2
	2021/05/18 20:00	5.9	150	0	0.2
	2021/05/18 19:00	6.5	142	0	0.3
	2021/05/18 18:00	7.3	148	0	1.6
	2021/05/17 20:00	6.1	120	0	0.5
	2021/05/17 19:00	5.1	121	0.1	0.2
	2021/05/17 18:00	6.7	155	0	1.3
	2021/05/16 21:00	5.7	150	0	1
	2021/05/16 20:00	5.9	151	0	0.8
	2021/05/16 19:00	3.5	147	0	0.2
	2021/05/16 18:00	3.8	147	0	0.2
	2021/05/16 17:00	5.2	149	0	0.5
	2021/05/13 21:00	6.1	135	0	0.2
	2021/05/13 20:00	6.9	147	0.1	0.5
	2021/05/13 19:00	10.2	154	0.1	5.6

	2021/05/11 20:00	6.8	108	0	0.7
	2021/05/11 19:00	7.2	108	0	0.6
	2021/05/11 18:00	8.4	128	0	3.1
	2021/05/10 22:00	6.5	140	0	1.9
	2021/05/10 21:00	6.4	145	0	1.8
	2021/05/10 20:00	6.6	144	0	1.4
	2021/05/10 19:00	4.2	139	0	0.2
	2021/05/10 18:00	5.1	137	0	0.2
	2021/05/09 20:00	5.8	144	0.1	0.6
	2021/05/09 19:00	4.3	141	0	0.2
	2021/05/06 20:00	6.5	145	0	0.4
	2021/05/06 19:00	5.2	137	0	0.2
	2021/05/06 18:00	5.2	125	0	0.2
	2021/05/05 20:00	6.8	107	0	1.1
	2021/05/05 19:00	6.6	109	0	1.4
	2021/05/04 20:00	6.8	103	0.2	0.6
	2021/05/04 19:00	6.8	143	0.1	1.3
	2021/05/03 20:00	7.2	148	0	0.3
	2021/05/03 19:00	6.5	153	0	0.3
<b>Unit 32</b>					
	2021/05/31 20:00	5.2	131	0	0
	2021/05/31 19:00	5.1	137	0.1	0
	2021/05/31 18:00	5.4	153	0.1	0
	2021/05/31 17:00	5.8	145	0	0
	2021/05/31 16:00	7	159	0	0
	2021/05/31 15:00	6.5	160	0.1	0
	2021/05/31 14:00	6	161	0	0
	2021/05/31 13:00	6.5	160	0	0
	2021/05/31 12:00	4.5	159	0	0
	2021/05/31 11:00	4.7	155	0	0





	2021/05/31 20:00	1.1	118	0.1	0.6
	2021/05/31 19:00	1.7	126	0.1	0.8
	2021/05/31 18:00	1.9	142	0.1	0.8
	2021/05/31 17:00	1.9	137	0.1	0.7
	2021/05/31 16:00	1.5	166	0.1	0.6
	2021/05/31 15:00	0.5	162	0.1	0.5
	2021/05/31 14:00	0.6	164	0.1	0.5
	2021/05/31 13:00	0.7	164	0.1	0.5
	2021/05/31 12:00	1	164	0.1	0.6
	2021/05/31 11:00	0.3	167	0.1	0.8
	2021/05/30 22:00	1.6	129	0.1	1.4
	2021/05/30 21:00	1.5	168	0.1	0.9
	2021/05/30 20:00	1.7	168	0.1	0.9
	2021/05/30 19:00	0.6	172	0	0.8
	2021/05/30 18:00	1.3	172	0.1	1.4
	2021/05/29 21:00	0.9	169	0.1	0.6
	2021/05/29 20:00	1	167	0.1	0.6
	2021/05/29 19:00	0.9	167	0.1	1.1
	2021/05/27 19:00	0.4	125	0.1	0.8
	2021/05/26 22:00	1.2	127	0.1	0.9
	2021/05/26 21:00	1.1	162	0.1	0.7
	2021/05/26 20:00	1.2	164	0	0.7
	2021/05/26 19:00	0.2	174	0.1	0.5
	2021/05/26 18:00	0.2	174	0	0.6
	2021/05/25 22:00	1.4	162	0	0.5
	2021/05/25 21:00	1.5	174	0	0.5

	2021/05/25 20:00	1.5	178	0.1	0.5
	2021/05/25 19:00	0.1	177	0.1	0.5
	2021/05/25 18:00	0.1	173	0.1	0.5
	2021/05/24 21:00	1.3	121	0.1	0.8
	2021/05/24 20:00	1.3	130	0.1	0.9
	2021/05/24 19:00	23.1	217	0.1	26.9
	2021/05/18 21:00	6.6	13	0	23.7
	2021/05/18 20:00	5.7	12	0	22.5
	2021/05/18 19:00	5.2	11	0	21.8
	2021/05/18 18:00	5	11	0	22.2
	2021/05/17 20:00	2	4	0	16.7
	2021/05/17 19:00	2.2	5	0	16.8
	2021/05/17 18:00	2.6	6	0	17.1
	2021/05/17 17:00	2.5	5	0	16.4
	2021/05/16 21:00	1.5	181	0.1	1.5
	2021/05/16 20:00	1.2	182	0.1	1
	2021/05/16 19:00	0.2	183	0.1	0.6
	2021/05/16 18:00	0.2	182	0.1	0.6
	2021/05/16 17:00	1.1	179	0.1	0.9
	2021/05/13 21:00	1	158	0.1	0.9
	2021/05/13 20:00	1.5	177	0.1	1.1
	2021/05/13 19:00	0.7	183	0.1	0.9
	2021/05/11 20:00	1.2	109	0.1	0.9
	2021/05/11 19:00	0.4	179	0.1	0.8
	2021/05/11 18:00	1.4	169	0.1	1.6
	2021/05/10 22:00	2.2	166	0.1	1.5

	2021/05/10 21:00	2.1	173	0.1	1.3
	2021/05/10 20:00	1.9	173	0.1	1.1
	2021/05/10 19:00	0.6	172	0.1	0.5
	2021/05/10 18:00	1	170	0.1	0.8
	2021/05/06 20:00	1	175	0.1	0.7
	2021/05/06 19:00	0.8	169	0.1	0.7
	2021/05/06 18:00	1	133	0.1	0.8
	2021/05/05 20:00	0.9	120	0.1	0.6
	2021/05/05 19:00	0.7	125	0.1	1.1
	2021/05/05 18:00	1.7	153	0	1.4
	2021/05/04 20:00	1.1	133	0.1	0.7
	2021/05/04 19:00	1	175	0	0.8
	2021/05/03 20:00	1.1	182	0.1	0.5
	2021/05/03 19:00	0.1	194	0	0.6
	2021/05/01 20:00	1.3	184	0.1	0.6
<b>Unit 43</b>					
	2021/05/31 21:00	1.6	105	1.2	0.6
	2021/05/31 20:00	1.8	111	1.2	0.6
	2021/05/31 19:00	1.8	119	1.2	0.6
	2021/05/31 18:00	1.8	134	1.1	0.3
	2021/05/31 17:00	2	129	1.1	0.4
	2021/05/31 16:00	1.8	148	1.1	0.1
	2021/05/31 15:00	1.8	144	1.1	0.7
	2021/05/31 14:00	1.7	145	1.1	0.4

	2021/05/31 13:00	2	145	1.3	0.8
	2021/05/31 12:00	2.1	145	1.3	0.7
	2021/05/31 11:00	1.4	140	1.3	0.6
	2021/05/31 10:00	1.4	143	1.2	0.9
	2021/05/30 23:00	3.3	119	1.1	3.7
	2021/05/30 22:00	2.2	120	1.2	2.5
	2021/05/30 21:00	3	145	1.1	3.2
	2021/05/30 20:00	1.9	145	1.1	1.4
	2021/05/30 19:00	1.3	140	1.1	1.2
	2021/05/30 18:00	1.3	141	1.1	1.1
	2021/05/30 17:00	1.7	144	1	1.5
	2021/05/29 22:00	1.2	140	1	0.1
	2021/05/29 21:00	1.4	141	1	0.1
	2021/05/29 20:00	1.3	139	1.1	0.1
	2021/05/29 19:00	1.4	137	1.1	0.6
	2021/05/27 21:00	2.3	106	1.2	0.3
	2021/05/27 20:00	2.2	107	1.2	0.2
	2021/05/27 19:00	1	107	1.2	0.8
	2021/05/27 18:00	1.6	146	1.1	1.6
	2021/05/27 12:00	2	107	1.2	0.1
	2021/05/27 11:00	0.6	106	1.2	0.1
	2021/05/27 10:00	0.6	123	1.1	0.1
	2021/05/27 09:00	0.6	114	1.2	0.2
	2021/05/27 08:00	1.2	111	1.1	0.4
	2021/05/26 23:00	2.7	104	1.1	2.3
	2021/05/26 22:00	2.9	115	1.2	2.3

	2021/05/26 21:00	2.9	142	1.2	1.9
	2021/05/26 20:00	2.8	144	1.1	1.6
	2021/05/26 19:00	2	137	1.1	1.9
	2021/05/26 18:00	1.7	140	1	1.5
	2021/05/26 17:00	2.2	141	1	1.9
	2021/05/25 22:00	3	151	1.2	2
	2021/05/25 21:00	2.9	151	1.2	1.7
	2021/05/25 20:00	2.7	152	1.2	1.1
	2021/05/25 19:00	1.4	142	1.2	0.4
	2021/05/25 18:00	1.4	143	1.1	0.4
	2021/05/25 17:00	1.7	146	1	0.5
	2021/05/24 21:00	2.9	103	1.3	1.9
	2021/05/24 20:00	3	109	1.2	1.9
	2021/05/24 19:00	1.6	127	1.1	0.9
	2021/05/24 18:00	2	131	0.9	0.9
	2021/05/23 20:00	1.3	127	1	0.2
	2021/05/23 19:00	2.6	140	0.9	1.5
	2021/05/19 20:00	3	119	1.1	0.8
	2021/05/18 21:00	2.5	96	1.1	2.5
	2021/05/18 20:00	2.4	146	1	1.6
	2021/05/18 19:00	1.5	142	1	1.5
	2021/05/18 18:00	1.6	146	1	1.7
	2021/05/17 20:00	1	119	1	0
	2021/05/17 19:00	0.8	113	1	0.5
	2021/05/17 18:00	1.2	123	1	1.2
	2021/05/17 17:00	1.8	139	0.9	1.6

	2021/05/16 21:00	2.5	146	1	1.9
	2021/05/16 20:00	3	146	1.1	2.2
	2021/05/16 19:00	1	143	1.1	0.3
	2021/05/16 18:00	1.2	144	1	0.8
	2021/05/16 17:00	1.9	146	0.9	1.2
	2021/05/13 21:00	2.6	145	1.1	0.5
	2021/05/13 20:00	2.5	144	1.1	0.4
	2021/05/13 19:00	1.8	141	1.1	1.1
	2021/05/11 20:00	2.5	107	1.2	1.7
	2021/05/11 19:00	2.1	105	1.2	2.2
	2021/05/11 18:00	2.8	124	1	2.7
	2021/05/10 22:00	1.4	129	1.2	0.6
	2021/05/10 21:00	1.4	132	1.2	0.6
	2021/05/10 20:00	1.3	133	1	0.4
	2021/05/10 19:00	1.9	133	1.2	1.3
	2021/05/10 18:00	1.9	133	1	1.4
	2021/05/09 20:00	1.4	135	1.1	1
	2021/05/09 19:00	1.7	139	1	1.4
	2021/05/06 20:00	2.6	144	1.2	0.3
	2021/05/06 19:00	1.3	133	1.3	0.5
	2021/05/06 18:00	1.4	126	1.2	0.7
	2021/05/05 20:00	2.3	103	1.2	1
	2021/05/05 19:00	1.1	103	1.2	0.8
	2021/05/05 18:00	1.9	123	1.1	1.2
	2021/05/04 20:00	1.2	102	1.3	0.2
	2021/05/04 19:00	2.1	136	1.1	1.5

	2021/05/03 20:00	1.9	146	1.4	0
	2021/05/03 19:00	2.8	159	1.1	2.3
	2021/05/01 20:00	2.7	144	1.2	1.8
<b>Total Emission mass (Tons)</b>		12.99	115.727	0.13	4.369

**COMMENT:** All pollutants measured were within allowed limits and no non-conformances were registered for the month under review.

Table 4: Each unit and respective days operating under normal operation (Please note the units rarely run for the entire day)

Unit	Hours operating under normal operation	Test-run hours	Total
11	69	44	113
12	49	33	82
21	80	49	129
22	52	34	86
31	86	44	130
32	52	34	86
41	63	38	101
42	68	47	115
43	89	53	142
<i>Total</i>	<i>608</i>	<i>376</i>	<i>984</i>

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

Table 5

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

### 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. It was sent away to the supplier for quotation for repairs and the quote has been received. A PR is in the system to have the analyser repaired.

**6 Load Factor:** 10.83%

**7 Leak Detection and Repair programme**

No leaks were reported during May 2021

**8 Complaints Register**

Table 6. Complaints for the month of May 2021

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
None	N/A	N/A	N/A	N/A	N/A

**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



Pamela Mrubata

**ANKERLIG POWER STATION**