

Ian Gildenhuis
Air Quality Management
246 Voortrekker Road
Vasco
7460

Date:
15 September 2022

Enquiries:
021 573 6162

Ref: ANK/2022/09

Dear Ian

ANKERLIG POWER STATION'S MONTHLY EMISSIONS REPORT FOR THE MONTH OF AUGUST 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 August, these being SO₂, CO₂, PM and NO_x (as NO₂).

1 Raw Materials and Products

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

Raw Materials and Products used	Raw Material Type	Unit	Maximum Permitted Consumption/ Rate (Quantity)	Total consumption in Month of August
	Fuel Diesel	Tons/hour/unit	40	25 492 893.49L
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted per unit (MW)	Total production/Power sent out in Month of August
	Energy	MWh	170 MW per hour per unit	81 557.35 MW/h
	Fuel use per hour per unit (L)		Fuel efficiency Litres per MWH	
	Unit 11: 35 232.60 Unit 12: 35 728.54 Unit 21: 34 758.03 Unit 22: 34 598.57 Unit 31: 34 977.01 Unit 32: 34 153.79 Unit 41: 32 707.25 Unit 42: 33 652.66 Unit 43: 34 450.80		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 August

Associated Unit	Technology Type	Actual Utilisation (%) for the month of August
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/Nm³ for the month of August

	Date & time	CO (mg/Nm ³)	NO _x (mg/Nm ³)	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)
Hourly Licence Limit mg/Nm³			250	75	3500
Unit 11	2022/08/22 20:00	2.8	148	0	22.8
	2022/08/21 20:00	2.2	101	0	24.2
	2022/08/20 20:00	1.8	138	0	19.9
	2022/08/18 20:00	2.1	142	0	15.7
	2022/08/18 19:00	3.4	143	0	16.1
	2022/08/17 20:00	2.1	140	0	14.7
	2022/08/17 19:00	3.3	140	0	14.6
	2022/08/17 08:00	1.7	125	0	14.3
	2022/08/16 22:00	0.6	95	0	14.5
	2022/08/16 21:00	1.1	146	0	12.8
	2022/08/16 20:00	1.3	147	0	12.9
	2022/08/16 19:00	2	146	0	13
	2022/08/16 11:00	0.9	137	0	12.3
	2022/08/16 10:00	1.4	146	0	12.1

	2022/08/16 09:00	1.6	144	0	12.1
	2022/08/16 08:00	3.1	148	0	13
	2022/08/15 21:00	1.3	149	0	11.1
	2022/08/15 20:00	1.1	149	0	11
	2022/08/15 19:00	0.8	150	0	10.5
	2022/08/15 18:00	1	149	0	10.6
	2022/08/11 21:00	1.3	138	0	4.4
	2022/08/11 20:00	1.2	141	0	4.3
	2022/08/11 19:00	1.2	141	0	4.1
	2022/08/11 18:00	1.6	139	0	4.4
	2022/08/10 21:00	10.4	154	0	66.7
	2022/08/10 20:00	10.7	151	0	67.1
	2022/08/10 19:00	11.6	150	0	67.6
	2022/08/09 21:00	11.1	144	0	67.9
	2022/08/09 20:00	10.9	152	0	66.2
	2022/08/09 19:00	11.5	151	0	66.9
	2022/08/08 21:00	10.5	132	0	67.4
	2022/08/08 20:00	10.2	155	0	63.8
	2022/08/08 19:00	10.2	155	0	63.6
	2022/08/08 18:00	10.9	155	0	64
	2022/08/04 20:00	8.5	156	0	58.6
	2022/08/04 19:00	8.4	155	0	58.5
	2022/08/04 18:00	8.5	142	0	60.2
	2022/08/04 17:00	9.2	126	0	62.6
	2022/08/03 20:00	8.6	157	0	57.1
	2022/08/03 19:00	8.7	156	0	57.2

	2022/08/03 18:00	8.5	137	0	58.7
	2022/08/03 17:00	8.8	116	0	61.3
	2022/08/03 16:00	8.7	119	0	60.5
	2022/08/03 15:00	8.8	129	0	59.6
	2022/08/03 14:00	8.6	156	0	56.2
	2022/08/03 13:00	8.7	156	0	56.1
	2022/08/03 12:00	8.8	154	0	56.2
	2022/08/03 11:00	8.9	153	0	56.3
	2022/08/03 10:00	9	152	0	56.3
	2022/08/03 09:00	9.2	152	0	56.2
	2022/08/03 08:00	9.4	152	0	56.3
	2022/08/03 07:00	10.4	154	0	56.8
	2022/08/02 22:00	8.8	151	0	55.3
	2022/08/02 21:00	8.9	153	0	55.3
	2022/08/02 20:00	9.3	153	0	55.4
	2022/08/02 19:00	9.4	152	0	55.4
	2022/08/02 18:00	9.6	154	0	55.3
	2022/08/02 17:00	9.5	158	0	55.4
	2022/08/02 16:00	9.4	155	0	55.1
	2022/08/02 15:00	9.3	157	0	54.9
	2022/08/02 14:00	8.9	158	0	54.9
	2022/08/02 13:00	8.5	155	0	54.7
	2022/08/02 12:00	8.7	157	0	54.9
	2022/08/02 11:00	8.9	157	0	54.7
	2022/08/02 10:00	8.6	146	0	54.4
	2022/08/02 09:00	8.8	144	0	54.9

	2022/08/02 08:00	8.9	147	0	54.9
	2022/08/02 07:00	10.8	154	0	55.6
	2022/08/01 22:00	8.5	154	0	53.5
	2022/08/01 21:00	8.6	154	0	53.6
	2022/08/01 20:00	8.7	153	0	53.5
	2022/08/01 19:00	8.6	155	0	53.3
	2022/08/01 18:00	8.6	157	0	53.2
	2022/08/01 17:00	8.6	160	0	53.3
	2022/08/01 16:00	8.9	162	0	53.7
	2022/08/01 12:00	7.9	158	0	52.3
	2022/08/01 11:00	7.9	150	0	52.3
	2022/08/01 10:00	7.9	146	0	52.4
	2022/08/01 09:00	7.9	143	0	52.3
	2022/08/01 08:00	8.5	144	0	52.9
	2022/08/01 07:00	10	158	0	52.2
Unit 12	2022/08/22 20:00	3.8	145	0	3
	2022/08/18 20:00	2.4	137	0	6.5
	2022/08/15 20:00	3.3	148	0	3.5
	2022/08/15 19:00	4.9	153	0	3
	2022/08/10 20:00	1.7	131	0	9.3
	2022/08/03 20:00	1.4	140	0	0.2
	2022/08/03 19:00	1.4	140	0	0.1
	2022/08/03 18:00	1.8	122	0	0.2
	2022/08/03 17:00	2	102	0	0.2

	2022/08/03 16:00	3.9	110	0	0.1
	2022/08/03 15:00	4.6	116	0	0.1
	2022/08/03 14:00	3.6	138	0	0.1
	2022/08/03 13:00	2.3	126	0	0.1
	2022/08/03 12:00	1.5	131	0	4.4
	2022/08/03 11:00	1.8	136	0	8.2
	2022/08/02 21:00	1.8	138	0	0.1
	2022/08/02 20:00	2.7	142	0	0.1
	2022/08/02 19:00	3.1	143	0	0.2
	2022/08/02 18:00	2.6	144	0	0.1
	2022/08/01 21:00	0.9	141	0	0.1
	2022/08/01 20:00	4.2	147	0	5
	2022/08/01 19:00	6	151	0	12.7
	2022/08/01 18:00	5	151	0	13.9
	2022/08/01 17:00	4.1	155	0	8.2
Unit 21	2022/08/23 21:00	2.4	147	0	0.6
	2022/08/23 20:00	2	142	0	0.4
	2022/08/22 20:00	1.5	137	0	0.1
	2022/08/21 20:00	2.7	110	0	0.5
	2022/08/20 20:00	2	146	0	0.8
	2022/08/19 19:00	3.1	148	0	1.9
	2022/08/18 20:00	1.2	133	0	0.1
	2022/08/17 20:00	1.1	130	0	0.6
	2022/08/17 19:00	4.3	141	0	2.8

	2022/08/17 08:00	1.6	122	0	0.1
	2022/08/16 22:00	1.3	108	0	0.4
	2022/08/16 21:00	1.3	139	0	0.2
	2022/08/16 20:00	1.4	140	0	0.1
	2022/08/16 19:00	3.2	143	0	1.8
	2022/08/16 10:00	0.5	134	0	0.1
	2022/08/16 09:00	0.7	133	0	0.1
	2022/08/16 08:00	1.5	138	0	0.1
	2022/08/15 21:00	1.8	144	0	0.1
	2022/08/15 20:00	1.7	142	0	0.2
	2022/08/15 19:00	2.5	142	0	0.1
	2022/08/15 18:00	2.4	142	0	0.1
	2022/08/11 21:00	1.2	128	0	0.1
	2022/08/11 20:00	1.3	131	0	0.1
	2022/08/11 19:00	3.6	139	0	0.4
	2022/08/11 18:00	3.6	139	0	0.6
	2022/08/10 21:00	1.4	131	0	0.1
	2022/08/10 20:00	1.5	130	0	0.1
	2022/08/10 19:00	3.4	138	0	0.9
	2022/08/09 21:00	1.8	128	0	0.6
	2022/08/09 20:00	1.9	134	0	0.5
	2022/08/09 19:00	3.2	136	0	1.2
	2022/08/08 21:00	1.6	119	0	1
	2022/08/08 20:00	1.7	135	0	0.4
	2022/08/08 19:00	3.8	138	0	0.7
	2022/08/08 18:00	3.6	137	0	0.5

	2022/08/04 20:00	2.2	140	0	0.7
	2022/08/04 19:00	3.1	141	0	0.1
	2022/08/04 18:00	3	134	0	0.1
	2022/08/04 17:00	2.8	121	0	0.1
	2022/08/03 20:00	2.2	144	0	0.2
	2022/08/03 19:00	2.1	145	0	0.9
	2022/08/03 18:00	2	132	0	0.8
	2022/08/03 17:00	1.9	114	0	0.6
	2022/08/03 16:00	2	120	0	0.9
	2022/08/03 15:00	1.3	124	0	0.1
	2022/08/03 14:00	1.3	139	0	0.1
	2022/08/03 13:00	1.2	139	0	0.1
	2022/08/03 12:00	1.3	138	0	0.1
	2022/08/03 11:00	2.2	139	0	0.8
	2022/08/03 10:00	2.4	138	0	0.7
	2022/08/03 09:00	2.2	138	0	0.6
	2022/08/03 08:00	2	138	0	1
	2022/08/03 07:00	3.2	143	0	2.4
	2022/08/02 22:00	1.9	137	0	0.1
	2022/08/02 21:00	1.8	138	0	0.1
	2022/08/02 20:00	1.6	139	0	0.1
	2022/08/02 19:00	2.1	138	0	1.4
	2022/08/02 18:00	1.9	141	0	0.9
	2022/08/02 17:00	1.9	143	0	0.6
	2022/08/02 16:00	2	141	0	0.6
	2022/08/02 15:00	1.3	143	0	1.3

	2022/08/02 14:00	1.4	143	0	0.9
	2022/08/02 13:00	1.8	142	0	0.5
	2022/08/02 12:00	2.1	144	0	0.5
	2022/08/02 11:00	2.2	142	0	0.1
	2022/08/02 10:00	2.2	140	0	0.2
	2022/08/02 09:00	1.9	141	0	0.3
	2022/08/02 08:00	1.5	143	0	0.4
	2022/08/02 07:00	4.9	157	0	0.1
	2022/08/01 22:00	1.9	140	0	0.3
	2022/08/01 21:00	1.9	139	0	0.3
	2022/08/01 20:00	1.8	139	0	0.2
	2022/08/01 19:00	2.4	140	0	0.2
	2022/08/01 18:00	2.3	142	0	0.2
	2022/08/01 17:00	2.2	145	0	0.2
	2022/08/01 16:00	2.2	149	0	0.3
	2022/08/01 12:00	1.7	148	0	0.3
	2022/08/01 11:00	0.3	142	0	3.3
	2022/08/01 10:00	0.3	142	0	2.1
	2022/08/01 09:00	0.9	145	0	1.4
	2022/08/01 08:00	1.4	145	0	0.5
	2022/08/01 07:00	4.4	152	0	0.1
Unit 22	2022/08/30 20:00	1.5	137	0.1	0.9
	2022/08/23 21:00	0.1	126	0.1	0.1
	2022/08/23 20:00	0.2	126	0.1	0.5

	2022/08/23 19:00	1.5	132	0.1	3.9
	2022/08/22 21:00	2.2	109	0.1	0.9
	2022/08/22 20:00	1.5	122	0.1	0.7
	2022/08/22 19:00	0.1	124	0.1	0.6
	2022/08/18 20:00	0.7	119	0.1	0.8
	2022/08/15 20:00	2.1	127	0.1	1.4
	2022/08/15 19:00	0.4	126	0.1	0.7
	2022/08/10 20:00	1.4	114	0.1	2.2
	2022/08/03 20:00	1.6	121	0.1	1.7
	2022/08/03 19:00	1.7	91	0.1	0.6
	2022/08/03 18:00	1.5	85	0.1	0.4
	2022/08/03 17:00	1.3	97	0.1	0.1
	2022/08/03 16:00	1.4	102	0.1	0.2
	2022/08/03 15:00	0.1	101	0.1	0.1
	2022/08/03 14:00	0.1	118	0.1	0.1
	2022/08/03 13:00	0.1	111	0.1	0.1
	2022/08/03 12:00	0.5	116	0.1	0.2
	2022/08/03 11:00	0.1	123	0.1	2.6
	2022/08/02 21:00	1.5	114	0.1	1.3
	2022/08/02 20:00	1.4	116	0.1	1.1
	2022/08/02 19:00	0.1	121	0.1	1.2
	2022/08/02 18:00	0.1	123	0.1	1.3
	2022/08/01 21:00	2.8	121	0.1	2.2
	2022/08/01 20:00	2.1	121	0.1	1.5
	2022/08/01 19:00	0.1	122	0.1	0.5
	2022/08/01 18:00	0.1	124	0.1	0.4

	2022/08/01 17:00	0.7	131	0.1	1.4
Unit 31	2022/08/22 20:00	6.8	151	0	0.6
	2022/08/16 21:00	8	152	0	0.9
	2022/08/16 20:00	8.3	163	0	1.6
	2022/08/15 21:00	7.9	160	0	0.7
	2022/08/15 20:00	7.8	161	0	0.7
	2022/08/15 19:00	7.8	160	0	0.5
	2022/08/15 18:00	7.4	158	0	0.3
	2022/08/11 20:00	9	131	0	1.3
	2022/08/11 19:00	9	152	0	1.7
	2022/08/10 20:00	7.6	120	0	0.3
	2022/08/10 19:00	6.7	141	0	0.4
	2022/08/09 21:00	8.8	119	0	0.4
	2022/08/09 20:00	9	154	0	1.4
	2022/08/09 19:00	7.9	147	0	0.7
	2022/08/08 21:00	8.9	129	0	0.7
	2022/08/08 20:00	9.1	157	0	1.3
	2022/08/08 19:00	8.9	154	0	1.7
	2022/08/04 20:00	9.2	123	0	1.5
	2022/08/03 20:00	8.4	155	0	1.3
	2022/08/03 19:00	8	155	0	1
	2022/08/03 18:00	8.1	133	0	0.9
	2022/08/03 17:00	8.3	97	0	0.8
	2022/08/03 16:00	7.8	125	0	0.6

	2022/08/03 15:00	6.8	133	0	0.2
	2022/08/03 14:00	6.8	102	0	0.2
	2022/08/03 13:00	7.4	116	0	0.2
	2022/08/03 12:00	7.3	139	0	0.2
	2022/08/03 11:00	6.7	157	0	0.2
	2022/08/03 10:00	7.5	157	0	0.6
	2022/08/03 09:00	6.7	157	0	0.2
	2022/08/03 08:00	8.8	160	0	1.3
	2022/08/03 07:00	9	158	0	0.2
	2022/08/02 22:00	8.4	114	0	1
	2022/08/02 21:00	8.2	158	0	0.7
	2022/08/02 20:00	8.5	161	0	0.8
	2022/08/02 19:00	8.7	163	0	1.1
	2022/08/02 18:00	8.6	165	0	0.6
	2022/08/02 17:00	8.6	165	0	0.6
	2022/08/01 22:00	9.4	118	0	2.2
	2022/08/01 21:00	8.1	153	0	0.4
	2022/08/01 20:00	8.2	152	0	1.1
	2022/08/01 19:00	7.9	158	0	1
	2022/08/01 18:00	7.8	167	0	0.6
	2022/08/01 17:00	7.8	169	0	0.4
Unit 32	2022/08/30 20:00	3.9	181	0	0
	2022/08/23 21:00	7.2	152	0	0
	2022/08/23 20:00	6.3	168	0	0
	2022/08/23 19:00	6.8	176	0	0
	2022/08/22 21:00	6.2	146	0	0.5
	2022/08/22 20:00	5.4	146	0	0
	2022/08/22 19:00	5.8	148	0	0

	2022/08/21 20:00	4	147	0	0
	2022/08/20 20:00	4	146	0	0
	2022/08/19 19:00	5.1	152	0	1.2
	2022/08/18 20:00	3.2	167	0	0
	2022/08/18 19:00	3.7	171	0	0
	2022/08/15 20:00	3.7	178	0	0
	2022/08/15 19:00	4	175	0	0
	2022/08/03 20:00	5.7	191	0	1.4
	2022/08/03 19:00	5.8	185	0	1.1
	2022/08/03 18:00	5.9	158	0	0.8
	2022/08/03 17:00	5.9	111	0	0.6
	2022/08/03 16:00	5.5	178	0	2.1
	2022/08/03 15:00	5.5	180	0	1.3
	2022/08/03 14:00	5.4	157	0	0.8
	2022/08/03 13:00	5.3	181	0	0.5
	2022/08/03 12:00	5.5	182	0	0
	2022/08/03 11:00	5.5	183	0	0.9
	2022/08/02 21:00	4.7	184	0	0.1
	2022/08/02 20:00	4.9	190	0	0
	2022/08/02 19:00	4.6	187	0	0
	2022/08/02 18:00	4.9	187	0	0
	2022/08/01 17:00	3.8	188	0	0

Unit 41					
	2022/08/22 20:00	4.9	137	0	5.7
	2022/08/22 19:00	5.8	150	0	3.4
	2022/08/21 20:00	5	135	0.1	4.5
	2022/08/20 20:00	4.5	135	0.1	5.5
	2022/08/18 20:00	5	171	0.1	6.5
	2022/08/17 08:00	5.3	131	0	5.7
	2022/08/16 22:00	5.8	140	0.1	13.3
	2022/08/16 21:00	5.5	171	0.1	8
	2022/08/16 20:00	5.2	178	0.1	5.4
	2022/08/16 19:00	5.2	178	0.1	2.6
	2022/08/16 11:00	6.4	149	0	21.8
	2022/08/16 10:00	5.7	174	0.1	14.5

	2022/08/16 09:00	4.7	173	0.1	5.3
	2022/08/16 08:00	4.6	179	0.1	5.1
	2022/08/15 21:00	4.4	180	0	5.5
	2022/08/15 20:00	4.7	179	0	8
	2022/08/15 19:00	5.4	181	0.1	5.8
	2022/08/15 18:00	5.2	179	0.1	4.3
	2022/08/11 21:00	5.5	134	0.1	9.4
	2022/08/11 20:00	5.4	151	0	7.2
	2022/08/11 19:00	5.1	171	0	0.3
	2022/08/11 18:00	5.1	147	0.1	0
	2022/08/10 21:00	5.3	130	0	9.1
	2022/08/10 20:00	5	141	0.1	5.2
	2022/08/10 19:00	5.1	161	0	2.1
	2022/08/09 21:00	5.2	136	0	8.3
	2022/08/09 20:00	5.1	170	0.1	6
	2022/08/09 19:00	4.8	170	0.1	0
	2022/08/08 21:00	5.3	141	0	9.4
	2022/08/08 20:00	5.4	175	0.1	6.7
	2022/08/08 19:00	5.5	174	0.1	5.4
	2022/08/08 18:00	5.3	174	0.1	3.5
	2022/08/04 20:00	6.3	142	0.1	6.5
	2022/08/03 20:00	5.7	177	0.1	9.1
	2022/08/03 19:00	6	179	0.1	10.1
	2022/08/03 18:00	6.1	154	0.1	9.1
	2022/08/03 17:00	6.1	109	0.1	6.8
	2022/08/03 16:00	6	150	0.1	9.9

	2022/08/03 15:00	6	157	0.1	6
	2022/08/03 14:00	5.9	124	0.1	2.4
	2022/08/03 13:00	6.1	142	0.1	5
	2022/08/03 12:00	6.2	164	0	11.6
	2022/08/03 11:00	7	180	0	24.2
	2022/08/03 10:00	6.8	179	0	18.5
	2022/08/03 09:00	6.3	175	0	11.3
	2022/08/03 08:00	5.9	174	0	5.4
	2022/08/03 07:00	6.2	177	0	5.5
	2022/08/02 22:00	5.8	135	0	9.2
	2022/08/02 21:00	5.7	136	0.1	5.2
	2022/08/02 20:00	6.1	138	0.1	8.2
	2022/08/02 19:00	5.9	158	0	10.1
	2022/08/02 18:00	6	152	0.1	6.2
	2022/08/02 17:00	5.8	174	0	4.2
	2022/08/02 16:00	5.8	171	0.1	9.7
	2022/08/02 14:00	5.7	163	0.1	4.5
	2022/08/02 13:00	5.4	154	0	7
	2022/08/02 12:00	5.4	149	0	10.6
	2022/08/02 11:00	6.2	143	0.1	18.5
	2022/08/02 10:00	5.8	149	0	13.4
	2022/08/02 09:00	5.4	135	0	6.8
	2022/08/02 08:00	5.1	137	0	5.2
	2022/08/01 22:00	4.6	135	0.1	5.7
	2022/08/01 21:00	4.6	169	0.1	4.5
	2022/08/01 20:00	4.8	171	0	8.3

	2022/08/01 19:00	5.1	177	0.1	7.8
	2022/08/01 18:00	5	182	0.1	1.8
	2022/08/01 17:00	4.9	184	0.1	0
Unit 42	2022/08/30 20:00	3.3	175	0.1	0.7
	2022/08/23 21:00	2	130	0.1	1.4
	2022/08/23 20:00	2.5	162	0.1	1.1
	2022/08/23 19:00	4	176	0.1	0.9
	2022/08/22 21:00	2.3	124	0.1	0.5
	2022/08/22 20:00	2.7	128	0.1	0.6
	2022/08/22 19:00	2.7	136	0.1	1.3
	2022/08/21 20:00	0.4	123	0.1	0.5
	2022/08/20 20:00	1.5	130	0.1	0.5
	2022/08/19 19:00	3.2	146	0.1	1.2
	2022/08/18 20:00	2.5	173	0.1	0.5
	2022/08/18 19:00	3.1	173	0.1	0.8
	2022/08/16 21:00	3.3	170	0.1	0.8
	2022/08/16 20:00	3.5	177	0.1	0.8
	2022/08/15 21:00	3.8	183	0.1	0.8
	2022/08/15 20:00	3.7	184	0.1	0.7
	2022/08/15 19:00	2.3	185	0	0.6
	2022/08/15 18:00	2.5	183	0.1	0.6
	2022/08/11 20:00	1.4	152	0.1	0.5
	2022/08/11 19:00	1.5	165	0.1	1.1
	2022/08/10 20:00	1.2	136	0.1	0.5

	2022/08/10 19:00	2.1	160	0.1	1.3
	2022/08/09 21:00	2.8	130	0.1	1.3
	2022/08/09 20:00	3.2	168	0.1	1.4
	2022/08/09 19:00	3.3	169	0.1	2.4
	2022/08/03 20:00	2.8	178	0.1	0.7
	2022/08/03 19:00	3.5	181	0.1	1.5
	2022/08/03 18:00	3.2	155	0.1	1.2
	2022/08/03 17:00	3.3	113	0.1	1.4
	2022/08/03 16:00	3.2	137	0.1	1
	2022/08/03 15:00	3.8	156	0.1	1.4
	2022/08/03 14:00	3.9	119	0.1	1.3
	2022/08/03 13:00	3.9	133	0.1	1.3
	2022/08/03 12:00	4.1	169	0.1	1.2
	2022/08/03 11:00	0.8	178	0.1	0.5
	2022/08/03 10:00	0.6	177	0.1	0.5
	2022/08/03 09:00	1.2	178	0.1	0.6
	2022/08/03 08:00	2.4	177	0.1	1.3
	2022/08/02 22:00	2.3	180	0.1	0.5
	2022/08/02 21:00	2.7	185	0.1	0.5
	2022/08/02 20:00	2.5	188	0.1	0.5
	2022/08/02 19:00	1.9	185	0.1	0.6
	2022/08/02 18:00	2.2	189	0.1	0.6
	2022/08/02 17:00	2.2	189	0.1	0.6
	2022/08/01 22:00	3.2	127	0.1	0.6
	2022/08/01 21:00	3.3	180	0.1	0.6
	2022/08/01 20:00	3.5	182	0.1	0.6

	2022/08/01 19:00	2.1	187	0.1	0.7
	2022/08/01 18:00	2.1	194	0.1	0.6
	2022/08/01 17:00	2.2	197	0.1	0.7
Unit 43	2022/08/22 20:00	1.7	155	0	0.1
	2022/08/22 19:00	3.2	163	0	2.2
	2022/08/21 20:00	2	105	0	0
	2022/08/20 20:00	2.3	145	0	0.2
	2022/08/18 20:00	2.6	151	0	1.1
	2022/08/16 21:00	1.6	154	0	0
	2022/08/16 20:00	1.4	154	0	0
	2022/08/16 19:00	1.3	156	0	0
	2022/08/15 21:00	3.1	156	0	1
	2022/08/15 20:00	2.6	157	0	1
	2022/08/15 19:00	2.6	154	0	0.3
	2022/08/15 18:00	2.6	155	0	0.4
	2022/08/11 20:00	3.1	155	0	1.5
	2022/08/11 19:00	2.4	153	0	2
	2022/08/10 20:00	0.8	141	0	0
	2022/08/10 19:00	3.2	151	0	2.6
	2022/08/09 21:00	1.6	145	0	0.2
	2022/08/09 20:00	0.7	144	0	0
	2022/08/09 19:00	2.8	153	0	1.9
	2022/08/08 21:00	3.4	129	0	1.5
	2022/08/08 20:00	3.3	155	0	1.5

	2022/08/08 19:00	2.4	155	0	1.5
	2022/08/04 20:00	2.6	154	0	0.8
	2022/08/03 20:00	2.7	153	0	2.7
	2022/08/03 19:00	2.5	153	0	1.4
	2022/08/03 18:00	2.2	131	0	0.8
	2022/08/03 17:00	2.2	97	0	0.9
	2022/08/03 16:00	2.2	152	0	0.7
	2022/08/03 15:00	0.6	146	0	0
	2022/08/03 14:00	0.3	132	0	0
	2022/08/03 13:00	0.6	154	0	0
	2022/08/03 12:00	1.4	156	0	0
	2022/08/03 11:00	2.9	158	0	1.2
	2022/08/03 10:00	3.1	157	0	1.5
	2022/08/03 09:00	2.3	156	0	0.3
	2022/08/03 08:00	2.2	153	0	0.2
	2022/08/03 07:00	2.4	156	0	0.9
	2022/08/02 22:00	1.6	156	0	0.1
	2022/08/02 21:00	1.6	159	0	0
	2022/08/02 20:00	1.6	161	0	0
	2022/08/02 19:00	2	155	0	1.1
	2022/08/02 18:00	1.8	157	0	1
	2022/08/02 17:00	2.3	159	0	1.7
	2022/08/01 22:00	5.2	159	0	4
	2022/08/01 21:00	4.7	158	0	3.6
	2022/08/01 20:00	3.4	157	0	1.5
	2022/08/01 19:00	1.5	160	0	0.4

	2022/08/01 18:00	1.5	163	0	0.7
	2022/08/01 17:00	1.6	162	0	1
Total Emission mass (Tons)		11.810	97.152	0	6.095

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	81	39	120
12	24	18	42
21	82	45	127
22	30	23	53
31	44	27	71
32	33	26	59
41	67	38	105
42	50	33	83
43	49	32	81
<i>Total</i>	<i>460</i>	<i>281</i>	<i>741</i>

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

Table 5

Associated Unit	Technology Type	Actual Utilisation (%) for the month of August
<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. The analyser must still be repaired.

6 Load Factor: 8.26%

7 Leak Detection and Repair programme

No leaks were reported during August 2022

8 Complaints Register

Table 6. Complaints for the month of August 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
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