



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data August 2019



Unit 1 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 11 - Air emissions monitoring, Boiler 1 stack discharge to air

	NOX			Particulates			SOX		
	ppm (7% O ₂)			mg/m ³			ppm (7% O ₂)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 August	151	171	131	15.1	16.5	14.0	203	227	187
2 August	164	182	131	15.3	18.6	13.9	200	238	182
3 August	166	203	143	15.5	27.2	13.3	199	237	170
4 August	162	184	137	21.8	107.2	10.9	226	240	205
5 August	166	202	138	13.2	18.7	11.0	224	251	203
6 August	167	178	137	13.1	16.1	11.3	202	253	180
7 August	166	184	137	12.5	15.6	10.0	183	212	171
8 August	172	188	143	12.3	13.5	10.9	181	203	158
9 August	167	182	140	12.1	13.0	9.3	177	203	163
10 August	167	177	144	12.4	13.0	11.0	176	191	142
11 August	168	180	133	12.3	13.0	10.4	188	210	157
12 August	169	185	141	12.3	13.5	10.4	193	224	175
13 August	169	183	145	11.9	13.3	9.2	217	235	171
14 August	162	174	143	12.4	14.3	11.6	214	246	184
15 August	156	172	137	11.3	14.3	9.0	224	236	191
16 August	156	168	136	11.4	12.8	9.1	230	256	207
17 August	153	191	131	10.7	13.3	9.6	228	264	217
18 August	155	176	126	11.7	14.3	9.1	242	266	218
19 August	154	186	120	11.4	12.7	9.6	233	267	209
20 August	171	204	136	12.5	13.9	9.6	205	227	186
21 August	163	198	127	12.5	14.0	10.8	190	225	177
22 August	177	203	136	12.2	14.3	9.9	199	226	160
23 August	165	189	140	12.4	13.6	10.5	209	244	162
24 August	161	183	136	12.0	15.4	9.0	213	245	188
25 August	170	190	139	12.9	14.4	12.3	185	234	164
26 August	176	208	152	13.2	14.8	10.2	179	205	159
27 August	162	170	138	13.0	15.8	11.1	200	228	171
28 August	166	184	137	12.2	14.2	9.0	221	243	196
29 August	174	183	147	13.3	17.6	10.9	205	227	167
30 August	168	181	147	20.1	28.3	16.0	211	229	183
31 August	164	186	136	20.8	32.9	13.8	216	238	205

Unit 2 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 2 stack discharge to air

	NOX			Particulates			SOX		
	ppm (7% O ₂)			mg/m ³			ppm (7% O ₂)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 August	142	169	111	20.8	25.1	17.8	202	230	158
2 August	144	168	115	20.8	25.7	17.4	199	235	180
3 August	158	188	119	21.4	25.3	17.1	215	254	196
4 August	167	205	137	21.9	27.4	17.4	225	269	203
5 August	169	205	136	21.5	26.4	18.7	216	252	190
6 August	157	176	129	21.4	27.5	17.7	207	256	184
7 August	161	179	133	20.5	25.5	16.3	183	205	166
8 August	164	183	131	19.9	23.9	17.2	177	210	153
9 August	155	185	128	20.8	24.2	17.9	177	205	148
10 August	167	192	128	22.2	25.7	18.3	179	201	146
11 August	148	181	112	22.8	26.3	19.1	189	206	158
12 August	147	166	107	22.4	27.1	18.7	196	221	162
13 August	158	178	104	21.9	26.4	18.9	225	254	175
14 August	171	209	156	21.4	27.4	19.1	243	257	229
15 August	163	203	129	21.4	29.1	17.6	237	284	221
16 August	161	207	130	20.1	25.4	16.6	252	270	239
17 August	148	168	115	20.8	24.5	16.6	242	276	224
18 August	138	199	111	21.0	25.2	16.9	259	295	229
19 August	141	170	116	21.6	25.8	18.4	267	293	239
20 August	153	193	130	21.1	25.8	17.4	233	278	206
21 August	167	191	120	19.5	23.7	16.9	208	224	186
22 August	183	238	152	20.4	25.2	17.2	233	272	209
23 August	166	224	125	22.0	25.6	18.2	221	241	185
24 August	168	191	130	22.0	27.0	17.6	238	285	205
25 August	157	178	125	21.6	25.4	17.8	198	228	177
26 August	163	175	130	22.6	24.2	18.9	200	214	173
27 August	157	176	123	24.6	26.9	21.0	213	239	182
28 August	162	183	133	28.0	31.2	23.0	229	253	204
29 August	157	173	118	25.0	31.5	20.7	213	230	190
30 August	153	179	118	25.3	28.4	19.9	213	239	190
31 August	162	186	136	24.7	28.8	20.4	210	243	175

Unit 3 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 13 - Air emissions monitoring, Boiler 3 stack discharge to air

Unit 3 out of service 6-10 August and 25-31 August 2019

	NOX			Particulates			SOX		
	ppm (7% O ₂)			mg/m ³			ppm (7% O ₂)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 August	167	201	131	8.4	10.1	7.6	240	267	225
2 August	187	198	160	8.4	9.5	7.7	234	250	202
3 August	181	219	118	13.7	18.6	11.1	236	250	225
4 August	180	201	158	18.4	20.7	15.7	257	276	224
5 August	152	188	126	7.8	12.0	5.2	273	286	267
6 August	-	-	-	-	-	-	-	-	-
7 August	-	-	-	-	-	-	-	-	-
8 August	-	-	-	-	-	-	-	-	-
9 August	-	-	-	-	-	-	-	-	-
10 August	-	-	-	-	-	-	-	-	-
11 August	169	211	138	16.4	21.7	13.9	289	324	257
12 August	143	154	133	13.6	14.4	13.4	243	260	228
13 August	156	213	128	19.7	41.1	12.7	262	291	235
14 August	185	211	156	24.5	28.3	22.0	252	283	221
15 August	171	198	117	25.0	29.9	20.8	270	290	246
16 August	160	199	116	21.5	28.2	20.3	273	291	233
17 August	164	213	127	20.6	21.3	20.0	287	327	268
18 August	163	199	123	21.1	24.3	18.7	297	339	241
19 August	150	183	121	19.2	20.1	18.5	295	328	263
20 August	174	219	135	19.4	20.5	18.5	254	278	211
21 August	164	192	135	19.1	19.9	18.4	232	257	210
22 August	161	174	134	18.7	19.4	18.4	236	260	204
23 August	159	194	127	19.0	19.4	18.3	234	258	211
24 August	145	167	128	22.7	28.3	18.8	239	286	201
25 August	-	-	-	-	-	-	-	-	-
26 August	-	-	-	-	-	-	-	-	-
27 August	-	-	-	-	-	-	-	-	-
28 August	-	-	-	-	-	-	-	-	-
29 August	-	-	-	-	-	-	-	-	-
30 August	-	-	-	-	-	-	-	-	-
31 August	-	-	-	-	-	-	-	-	-

Unit 4 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 14 - Air emissions monitoring, Boiler 4 stack discharge to air

	NOX			Particulates			SOX		
	ppm (7% O ₂)			mg/m ³			ppm (7% O ₂)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 August	184	205	172	13.6	16.1	11.9	251	281	225
2 August	185	228	166	13.1	15.2	12.2	247	282	208
3 August	180	204	153	18.0	30.9	12.7	249	274	226
4 August	175	202	140	17.7	21.7	11.6	253	274	230
5 August	186	203	169	13.9	17.4	12.5	242	262	215
6 August	193	212	177	14.1	16.9	12.8	238	285	208
7 August	177	193	162	13.7	15.9	12.8	211	230	196
8 August	177	187	161	14.0	17.0	12.4	210	227	193
9 August	176	187	162	13.9	16.1	12.4	206	225	189
10 August	179	194	168	14.5	16.6	13.5	204	216	194
11 August	188	201	175	14.7	17.4	13.6	221	240	196
12 August	194	211	182	15.6	17.4	14.6	234	251	213
13 August	193	210	181	15.8	17.8	14.1	247	275	222
14 August	176	201	141	17.6	21.9	15.2	271	309	238
15 August	172	198	146	18.5	20.2	16.0	264	293	207
16 August	166	233	137	18.8	21.8	16.4	282	316	240
17 August	166	183	153	18.9	21.5	16.5	301	328	269
18 August	160	172	143	18.9	21.4	16.8	313	364	275
19 August	167	179	147	19.2	21.6	17.3	309	342	260
20 August	180	218	163	19.3	22.6	14.0	283	340	225
21 August	174	198	157	20.1	23.0	17.6	248	272	191
22 August	176	191	154	19.1	21.4	17.1	271	328	239
23 August	172	200	152	20.1	24.7	14.4	264	302	239
24 August	184	203	156	22.1	24.7	18.7	285	327	239
25 August	169	192	147	20.0	22.8	17.9	227	273	196
26 August	160	181	144	21.0	24.5	16.2	217	237	190
27 August	174	220	143	17.5	24.9	15.2	240	275	208
28 August	162	177	146	20.9	26.4	17.9	249	286	208
29 August	176	195	157	19.6	27.5	16.3	228	252	209
30 August	173	182	154	20.4	30.6	10.8	233	260	219
31 August	168	185	149	11.6	14.1	9.8	245	271	221

Unit 1 Boiler Emission Test Results

EPA Identification no. 11 - Air emissions monitoring, Boiler 1 stack discharge to air

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	<0.0002	mg/m ³	0.2	13-14/11/2018
Carbon Dioxide (Wet)	13.8	%	-	13-14/11/2018
Carbon Monoxide	<40	ppm	-	13-14/11/2018
Chlorine	0.008	mg/m ³	200	13-14/11/2018
Copper	0.0003	mg/m ³	-	13-14/11/2018
Dry Gas Density	1.33	kg/m ³	-	13-14/11/2018
Fluoride As HF - Total	8.7	mg/m ³	50	13-14/11/2018
Hazardous Substances (Metals) - Total	≤0.0081	mg/m ³	1	13-14/11/2018
Hydrogen Chloride	14.4	mg/m ³	100	13-14/11/2018
Mercury	0.00020	mg/m ³	0.2	13-14/11/2018
Moisture	5.9	%	-	13-14/11/2018
Particulates - Total	1.2	mg/m ³	50	13-14/11/2018
Stack Gas Molecular Weight	29.9	kg/k-mole	-	13-14/11/2018
Temperature	127	degC	-	13-14/11/2018
Velocity	14	m/sec	-	13-14/11/2018
Volatile Organic Compounds (VOC) - Total	<0.02	ppm	-	13-14/11/2018
Volumetric Flow Rate (Dry At STP)	348	m ³ /sec	-	13-14/11/2018

Unit 2 Boiler Emission Test Results

EPA Identification no. 12 - Air emissions monitoring, Boiler 2 stack discharge to air

<u>Name</u>		<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	<0.0005	mg/m ³	0.2	19/02/2019
Carbon Dioxide (Wet)	11.9	%	-	19/02/2019
Carbon Monoxide	<40	ppm	-	19/02/2019
Chlorine	<0.007	mg/m ³	200	6/06/2019
Copper	0.0036	mg/m ³	-	19/02/2019
Dry Gas Density	1.32	kg/m ³	-	19/02/2019
Fluoride As HF - Total	5.4	mg/m ³	50	6/06/2019
Hazardous Substances (Metals) - Total	<0.033	mg/m ³	1	19/02/2019
Hydrogen Chloride	4.6	mg/m ³	100	6/06/2019
Mercury	0.00057	mg/m ³	0.2	19/02/2019
Moisture	6.8	%	-	19/02/2019
Particulates - Total	4.2	mg/m ³	50	19/02/2019
Stack Gas Molecular Weight	29.6	Kg/k-mole	-	19/02/2019
Temperature	124	degC	-	19/02/2019
Velocity	15.5	m/sec	-	19/02/2019
Volatile Organic Compounds (VOC) - Total	0.033	ppm	-	6/06/2019
Volumetric Flow Rate (Dry At STP)	351	m ³ /sec	-	19/02/2019

Unit 3 Boiler Emission Test Results

EPA Identification no. 13 - Air emissions monitoring, Boiler 3 stack discharge to air

<u>Name</u>		<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	<0.0002	mg/m ³	0.2	7-8 May 2019
Carbon Dioxide (Wet)	13	%	-	7-8 May 2019
Carbon Monoxide	126	ppm	-	7-8 May 2019
Chlorine	0.007	mg/m ³	200	7-8 May 2019
Copper	0.00064	mg/m ³	-	7-8 May 2019
Dry Gas Density	1.32	kg/m ³	-	7-8 May 2019
Fluoride As HF - Total	10	mg/m ³	50	7-8 May 2019
Hazardous Substances (Metals) - Total	<0.010	mg/m ³	1	7-8 May 2019
Hydrogen Chloride	9.5	mg/m ³	100	7-8 May 2019
Mercury	<0.0002	mg/m ³	0.2	7-8 May 2019
Moisture	6.7	%	-	7-8 May 2019
Particulates - Total	5.9	mg/m ³	50	7-8 May 2019
Stack Gas Molecular Weight	29.6	kg/k-mole	-	7-8 May 2019
Temperature	122	degC	-	7-8 May 2019
Velocity	15	m/sec	-	7-8 May 2019
Volatile Organic Compounds (VOC) - Total	<0.008	ppm	-	7-8 May 2019
Volumetric Flow Rate (Dry At STP)	345	m ³ /sec	-	7-8 May 2019

Unit 4 Boiler Emission Test Results

EPA Identification no. 14 - Air emissions monitoring, Boiler 4 stack discharge to air

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	<0.0001	mg/m ³	0.2	20-21/08/2018
Carbon Dioxide (Wet)	13.2	%	-	20-21/08/2018
Carbon Monoxide	54	ppm	-	20-21/08/2018
Chlorine	<0.006	mg/m ³	200	20-21/08/2018
Copper	0.00054	mg/m ³	-	20-21/08/2018
Dry Gas Density	1.36	kg/m ³	-	20-21/08/2018
Fluoride As HF - Total	10.5	mg/m ³	50	20-21/08/2018
Hazardous Substances (Metals) - Total	≤0.0093	mg/m ³	1	20-21/08/2018
Hydrogen Chloride	6.7	mg/m ³	100	20-21/08/2018
Mercury	0.0013	mg/m ³	0.2	20-21/08/2018
Moisture	6.4	%	-	20-21/08/2018
Particulates - Total	2.6	mg/m ³	50	20-21/08/2018
Stack Gas Molecular Weight	29.7	kg/k-mole	-	20-21/08/2018
Temperature	121	degC	-	20-21/08/2018
Velocity	15.5	m/sec	-	20-21/08/2018
Volatile Organic Compounds (VOC) - Total	0.025	ppm	-	20-21/08/2018
Volumetric Flow Rate (Dry At STP)	370	m ³ /sec	-	20-21/08/2018

Eraring Depositional Dust Gauges

EPA Identification no. 18, 25, 26 & 27 - Depositional dust monitoring within 1km of the coal handling operations

	Deposited Matter		
	g/m ² /month		
	Ash	Combustible	Insoluble
E2	0.6	0.2	0.8
E4	0.9	1.3	2.2
E6	0.2	0.2	0.4
U6	0.4	0.4	0.8

Water Quality - Lake Monitoring LM10

EPA Identification no. 4 - The waters of Lake Macquarie located midway between cooling water inlet and Hungary Point

	Temp	pH	Salinity	Dissolved Oxygen		Secchi
	degC		ppt	%	mg/L	m
Depth/Air	15.39					
010cm	16.23	8.50	35.4	103.7	7.91	2.80
050cm	16.29	8.49	35.3	102.0	7.70	
100cm	16.30	8.49	35.3	91.8	7.08	
150cm	16.30	8.49	35.4	92.8	7.10	
200cm	16.28	8.49	35.4	92.2	7.01	
250cm	16.28	8.49	35.4	86.1	6.62	
Bottom	16.29	8.49	35.4	80.1	6.46	

Water Quality - Lake Monitoring LM12

EPA Identification no. 6 - The waters of Lake Macquarie located at the Eraring/Vales Point mixing zone off Fishery Point

	Temp	pH	Salinity	Dissolved Oxygen		Secchi
	degC		ppt	%	mg/L	m
Depth/Air	15.28					
010cm	16.78	8.47	35.4	105.3	7.91	2.75
050cm	16.73	8.48	35.6	100.8	7.63	
100cm	16.73	8.48	35.6	97.8	7.38	
150cm	16.73	8.48	35.6	95.6	7.25	
200cm	16.72	8.48	35.6	94.8	7.19	
250cm	16.72	8.48	35.6	93.0	7.06	
300cm	16.72	8.48	35.6	93.2	7.06	
350cm	16.70	8.48	35.6	91.2	6.90	
400cm	16.70	8.48	35.6	90.6	6.88	
450cm	16.68	8.49	35.6	91.5	6.93	
500cm	16.68	8.49	35.6	89.2	6.73	
550cm	16.67	8.49	35.6	89.9	6.77	
600cm	16.66	8.49	35.6	87.9	6.66	
650cm	16.65	8.49	35.6	88.5	6.71	
700cm	16.64	8.49	35.6	87.6	6.63	
Bottom	16.62	8.49	35.6	87.3	6.60	

Water Quality - Lake Monitoring LM4

EPA Identification no. 7 - The northern waters of Lake Macquarie east off Lake Macquarie Yacht Club

	Temp	pH	Salinity	Dissolved Oxygen		Secchi
	degC		ppt	%	mg/L	m
Depth/Air	13.21					
010cm	15.94	8.48	35.7	87.0	6.69	2.75
050cm	16.02	8.46	35.7	89.3	6.87	
100cm	16.04	8.46	35.7	89.9	6.89	
150cm	16.04	8.44	35.7	89.8	6.92	
200cm	16.05	8.42	35.7	88.6	6.83	
250cm	16.06	8.42	35.7	91.6	7.02	
300cm	16.06	8.41	35.7	91.5	7.05	
350cm	16.07	8.41	35.6	91.5	7.05	
400cm	16.07	8.40	35.7	88.8	6.85	
450cm	16.07	8.40	35.7	89.5	6.88	
500cm	16.06	8.40	35.7	89.9	6.89	
550cm	16.07	8.40	35.7	88.7	6.78	
600cm	16.06	8.40	35.7	87.1	6.69	
650cm	16.02	8.40	35.7	86.8	6.66	
700cm	15.98	8.40	35.7	85.3	6.56	
750cm	15.91	8.40	35.6	85.4	6.60	
800cm	15.75	8.40	35.6	84.3	6.54	
850cm	15.72	8.40	35.6	84.6	6.55	
900cm	15.67	8.40	35.6	82.0	6.30	
Bottom	15.67	8.40	35.6	82.2	6.36	

Water Quality - Lake Monitoring LM7

EPA Identification no. 5 - The waters of Lake Macquarie located off old Wangi power station inlet point in Myuna Bay

	Temp	pH	Salinity	Dissolved Oxygen		Secchi
	degC		ppt	%	mg/L	m
Depth/Air	12.94					
010cm	17.90	8.42	35.7	101.6	7.45	2.75
050cm	18.19	8.43	35.7	99.4	7.33	
100cm	18.22	8.44	35.6	94.4	6.97	
150cm	18.25	8.44	35.6	95.8	7.11	
200cm	18.25	8.44	35.6	95.9	7.08	
250cm	18.23	8.44	35.6	95.2	6.78	
300cm	18.15	8.44	35.6	91.4	6.73	
350cm	18.01	8.44	35.5	93.7	6.91	
400cm	17.22	8.45	35.5	78.4	5.77	
450cm	16.47	8.47	35.5	80.6	6.06	
500cm	16.41	8.46	35.5	77.2	5.78	
550cm	16.39	8.45	35.5	75.6	5.70	
Bottom	16.38	8.45	35.5	73.0	5.50	

Eraring Ash Dam Effluent Quality Monitoring

EPA Identification no. 10 - Discharge point below siphon pond weir at Ash Dam

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Total Suspended Solids	10	mg/L	-	1/08/2019
Nitrite and Nitrate as N	6710	ug/L	-	1/08/2019
Phosphorus Reactive as P - Total	860	ug/L	-	1/08/2019
Phosphorus as P - Total	720	ug/L	-	1/08/2019

Eraring Cooling Water Inlet Canal

EPA Identification no. 8 - Inlet canal of the cooling water intake from Lake Macquarie

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Temperature – Average	15.6	deg C	-	August 2019
Temperature – Minimum	13.7	deg C	-	August 2019
Temperature - Maximum	17.6	deg C	-	August 2019

Eraring Cooling Water Outlet Canal

EPA Identification no. 1 - Cooling water outlet canal to Myuna Bay

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Temperature – Average	23.6	deg C	37.5	August 2019
Temperature – Minimum	19.7	deg C	37.5	August 2019
Temperature - Maximum	27.3	deg C	37.5	August 2019
Maximum Daily Discharge from Ash Dam	22.17	ML	150	August 2019
Monthly Discharge from Ash Dam	92.9	ML	-	August 2019

Emergency Discharge – Toe Drain Pond

EPA Identification no. 17 - Emergency discharge to toe drain collection pond

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Nitrite and Nitrate as N	199	ug/L	-	1/08/2019
Phosphorus as P – Total	25	ug/L	-	1/08/2019

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	<0.2	ug/L	27/06/2019
Cadmium	<0.05	ug/L	27/06/2019
Calcium	<1000	ug/L	27/06/2019
Chromium	0.7	ug/L	27/06/2019
Copper	4.2	ug/L	27/06/2019
Electrical Conductivity	0.350	mS/cm	27/06/2019
Iron	89	ug/L	27/06/2019
Lead	0.7	ug/L	27/06/2019
Magnesium	4000	ug/L	27/06/2019
Manganese	55.7	ug/L	27/06/2019
Nickel	6.0	ug/L	27/06/2019
pH	4.87	pH	27/06/2019
Potassium	4000	ug/L	27/06/2019
Selenium	<0.2	ug/L	27/06/2019
Standing Water Level	9.72	metres	27/06/2019
Zinc	151	ug/L	27/06/2019

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	23.4	ug/L	19/06/2019
Cadmium	0.02	ug/L	19/06/2019
Calcium	328000	ug/L	19/06/2019
Chromium	1.6	ug/L	19/06/2019
Copper	1.1	ug/L	19/06/2019
Electrical Conductivity	13.200	mS/cm	19/06/2019
Iron	9070	ug/L	19/06/2019
Lead	1.3	ug/L	19/06/2019
Magnesium	206000	ug/L	19/06/2019
Manganese	1290	ug/L	19/06/2019
Nickel	2.3	ug/L	19/06/2019
pH	6.40	pH	19/06/2019
Potassium	101000	ug/L	19/06/2019
Selenium	<2.0	ug/L	19/06/2019
Standing Water Level	4.32	metres	19/06/2019
Zinc	25	ug/L	19/06/2019

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	7.0	ug/L	19/06/2019
Cadmium	<0.02	ug/L	19/06/2019
Calcium	469000	ug/L	19/06/2019
Chromium	0.8	ug/L	19/06/2019
Copper	<1.0	ug/L	19/06/2019
Electrical Conductivity	17.000	mS/cm	19/06/2019
Iron	14000	ug/L	19/06/2019
Lead	<0.2	ug/L	19/06/2019
Magnesium	263000	ug/L	19/06/2019
Manganese	400	ug/L	19/06/2019
Nickel	1.2	ug/L	19/06/2019
pH	6.52	pH	19/06/2019
Potassium	122000	ug/L	19/06/2019
Selenium	<2.0	ug/L	19/06/2019
Standing Water Level	1.81	metres	19/06/2019
Zinc	<5	ug/L	19/06/2019

Groundwater Well – EGM/D26

EPA Identification no. 24 – Groundwater Monitoring Well D26

Groundwater well was dry during sampling in June 2019

Name	Reading	Units	Date
Arsenic		ug/L	
Cadmium		ug/L	
Calcium		ug/L	
Chromium		ug/L	
Copper		ug/L	
Electrical Conductivity		mS/cm	
Iron		ug/L	
Lead		ug/L	
Magnesium		ug/L	
Manganese		ug/L	
Nickel		ug/L	
pH		pH	
Potassium		ug/L	
Selenium		ug/L	
Standing Water Level		metres	
Zinc		ug/L	