



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

March 2019



Unit 1 Boiler Continuous Emission Monitoring Summary

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

Unit 1 out of service 21-31 March 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 March	182	201	144	9.6	13.4	8.0	264	296	245
2 March	188	204	157	9.8	11.5	8.2	287	310	261
3 March	178	195	144	9.9	13.6	8.4	271	279	249
4 March	193	215	129	10.1	14.2	8.5	292	309	255
5 March	186	213	152	10.2	13.7	9.0	283	301	240
6 March	155	195	130	10.2	13.7	8.5	273	305	254
7 March	158	180	125	9.4	12.6	8.2	275	287	254
8 March	175	193	132	10.0	13.0	8.7	274	300	260
9 March	144	218	128	14.4	20.9	8.0	231	252	194
10 March	178	209	133	11.5	15.5	9.3	233	263	216
11 March	181	209	128	10.2	13.4	9.2	245	259	217
12 March	169	209	144	10.1	13.8	8.8	255	271	233
13 March	161	178	143	10.5	16.3	8.9	244	262	218
14 March	162	192	134	10.7	14.0	8.9	237	276	177
15 March	175	194	133	11.3	15.0	9.1	231	259	204
16 March	193	226	149	15.3	23.6	9.6	223	271	207
17 March	168	188	87	16.0	26.1	9.9	235	261	194
18 March	177	198	137	12.0	16.7	10.0	251	297	238
19 March	174	189	120	12.6	16.8	10.7	236	264	210
20 March	178	193	112	13.0	19.4	10.5	240	268	212
21 March	-	-	-	-	-	-	-	-	-
22 March	-	-	-	-	-	-	-	-	-
23 March	-	-	-	-	-	-	-	-	-
24 March	-	-	-	-	-	-	-	-	-
25 March	-	-	-	-	-	-	-	-	-
26 March	-	-	-	-	-	-	-	-	-
27 March	-	-	-	-	-	-	-	-	-
28 March	-	-	-	-	-	-	-	-	-
29 March	-	-	-	-	-	-	-	-	-
30 March	-	-	-	-	-	-	-	-	-
31 March	-	-	-	-	-	-	-	-	-

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 March	169	211	145	12.9	15.1	11.6	250	280	222
2 March	167	204	142	13.1	16.5	11.4	264	295	238
3 March	163	253	141	12.6	16.1	11.3	252	268	236
4 March	155	174	127	12.5	14.4	11.3	260	278	212
5 March	164	174	145	12.0	15.3	10.6	270	283	234
6 March	153	164	140	14.0	22.0	2.7	262	279	236
7 March	157	185	145	20.0	24.1	16.7	260	274	240
8 March	168	184	132	18.5	22.5	16.2	262	273	217
9 March	172	184	143	23.6	31.9	15.9	231	257	205
10 March	164	183	135	19.9	33.2	13.3	220	230	200
11 March	174	199	72	18.4	29.8	15.3	230	252	217
12 March	160	200	128	17.2	21.9	13.7	241	249	219
13 March	154	190	114	18.9	20.8	16.2	223	238	189
14 March	165	174	143	19.3	21.7	17.5	227	250	185
15 March	155	181	125	20.3	22.7	17.9	211	241	181
16 March	158	175	122	22.8	33.7	17.7	203	239	151
17 March	153	174	106	20.6	28.9	16.4	219	256	139
18 March	147	170	110	18.0	23.1	15.3	234	247	220
19 March	160	181	118	17.3	22.7	15.0	211	222	173
20 March	152	175	110	18.4	22.8	15.0	217	235	175
21 March	154	168	123	19.1	21.7	17.0	207	235	155
22 March	142	154	113	18.9	23.8	17.1	207	237	159
23 March	129	172	115	18.8	22.3	17.1	216	251	186
24 March	123	178	109	18.8	24.0	16.7	219	255	159
25 March	123	131	110	17.5	19.8	16.7	214	236	193
26 March	128	138	110	17.4	19.9	15.3	197	224	159
27 March	128	170	111	18.2	22.6	17.3	203	229	139
28 March	128	170	111	18.2	20.4	16.8	206	233	113
29 March	132	179	116	19.2	24.0	17.2	208	232	109
30 March	134	180	120	20.2	30.8	16.7	196	233	133
31 March	128	175	112	20.1	24.5	16.2	193	232	125

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 15 and 16 March 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 March	172	193	138	7.9	9.7	7.7	279	299	259
2 March	166	205	138	8.2	10.2	7.7	282	300	243
3 March	183	197	151	8.0	9.4	7.2	288	297	259
4 March	175	209	148	8.3	10.1	7.9	269	290	238
5 March	175	204	146	9.3	11.2	8.1	253	289	223
6 March	182	204	144	9.7	13.2	7.6	272	309	211
7 March	183	197	158	9.0	11.2	7.7	276	312	164
8 March	180	199	145	9.5	11.3	8.7	288	298	256
9 March	183	198	147	9.6	11.7	8.0	283	299	267
10 March	174	188	148	10.4	15.9	8.7	258	270	237
11 March	181	204	144	11.2	16.1	9.8	248	261	222
12 March	187	204	134	12.4	14.5	10.8	267	276	237
13 March	193	222	123	13.0	17.1	11.0	242	254	221
14 March	183	211	135	13.7	15.5	11.2	252	263	219
15 March	-	-	-	-	-	-	-	-	-
16 March	-	-	-	-	-	-	-	-	-
17 March	201	213	189	15.6	17.0	14.9	267	272	263
18 March	163	195	142	18.0	21.0	15.6	268	278	241
19 March	194	237	135	18.7	21.5	16.9	261	275	229
20 March	207	239	132	18.5	21.6	16.6	267	301	231
21 March	212	244	174	18.3	22.1	16.3	248	295	220
22 March	208	228	143	19.3	23.4	16.7	268	288	242
23 March	193	254	162	19.2	23.2	16.7	271	299	229
24 March	188	224	144	18.4	24.3	14.5	286	300	271
25 March	198	236	162	16.9	22.9	11.3	277	288	247
26 March	181	203	140	13.2	21.5	10.8	258	282	171
27 March	181	205	138	20.0	22.1	17.5	275	286	239
28 March	203	231	134	20.5	23.1	17.9	270	285	237
29 March	202	242	148	18.0	23.1	11.4	258	281	194
30 March	179	206	149	13.3	17.6	10.8	267	284	239
31 March	185	230	142	12.0	12.8	11.2	256	281	240

Unit 4 Boiler Continuous Emission Monitoring Summary

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

Unit 4 out of service 1-6 March 2019. Sox unit out of service 7-13 March 2019. NOx and SOx units out of service 28 March 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 March	-	-	-	-	-	-	-	-	-
2 March	-	-	-	-	-	-	-	-	-
3 March	-	-	-	-	-	-	-	-	-
4 March	-	-	-	-	-	-	-	-	-
5 March	-	-	-	-	-	-	-	-	-
6 March	-	-	-	-	-	-	-	-	-
7 March	208	231	160	22.2	40.8	9.0	-	-	-
8 March	203	216	174	25.4	29.1	22.3	-	-	-
9 March	178	194	149	17.7	34.1	12.7	-	-	-
10 March	166	187	146	11.7	20.8	8.0	-	-	-
11 March	157	174	142	9.6	15.1	8.2	-	-	-
12 March	156	168	131	9.6	12.2	8.0	-	-	-
13 March	167	182	143	9.2	10.4	8.2	-	-	-
14 March	161	176	143	9.6	10.9	8.3	242	285	233
15 March	159	179	141	10.5	13.5	8.3	233	251	218
16 March	168	186	150	11.2	13.0	10.3	204	247	170
17 March	150	173	128	12.0	17.2	9.4	215	237	196
18 March	138	158	122	8.9	10.6	7.5	210	226	199
19 March	167	187	145	8.6	9.1	8.0	233	258	214
20 March	192	242	156	8.8	9.6	8.0	244	265	225
21 March	181	206	143	8.6	9.7	7.6	235	261	219
22 March	172	190	149	8.3	10.3	6.9	201	219	180
23 March	187	205	156	8.9	10.0	8.0	217	236	200
24 March	191	211	173	9.0	11.2	7.5	209	231	183
25 March	193	212	156	8.8	10.0	8.4	209	219	200
26 March	126	143	118	9.5	11.2	8.5	212	254	185
27 March	124	140	110	10.1	11.2	9.2	207	216	196
28 March	-	-	-	10.4	12.8	9.1	-	-	-
29 March	165	176	159	10.4	12.7	9.1	251	264	233
30 March	186	205	163	11.1	14.3	9.1	270	286	251
31 March	189	209	165	12.2	14.5	9.6	267	291	250

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>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	<0.0002	mg/m ³	0.2	27-28/02/2018
Carbon Dioxide (Wet)	12.9	%	-	27-28/02/2018
Carbon Monoxide	14	ppm	-	27-28/02/2018
Chlorine	0.033	mg/m ³	200	27-28/02/2018
Copper	0.0009	mg/m ³	-	27-28/02/2018
Dry Gas Density	1.4	kg/m ³	-	27-28/02/2018
Fluoride As HF - Total	10.4	mg/m ³	50	27-28/02/2018
Hazardous Substances (Metals) - Total	≤0.0097	mg/m ³	1	27-28/02/2018
Hydrogen Chloride	9.6	mg/m ³	100	27-28/02/2018
Mercury	0.00051	mg/m ³	0.2	27-28/02/2018
Moisture	7.2	%	-	27-28/02/2018
Particulates - Total	3.4	mg/m ³	50	27-28/02/2018
Stack Gas Molecular Weight	30.5	Kg/k-mole	-	27-28/02/2018
Temperature	122	degC	-	27-28/02/2018
Velocity	14	m/sec	-	27-28/02/2018
Volatile Organic Compounds (VOC) - Total	<0.06	ppm	-	27-28/02/2018
Volumetric Flow Rate (Dry At STP)	336	m ³ /sec	-	27-28/02/2018

Unit 3 Boiler Emission Test Results

EPA Identification no. 13 - Air emissions monitoring, Boiler 3 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	29-30/05/2018
Carbon Dioxide (Wet)	13.2	%	-	29-30/05/2018
Carbon Monoxide	5.4	ppm	-	29-30/05/2018
Chlorine	<0.014	mg/m ³	200	29-30/05/2018
Copper	<0.00046	mg/m ³	-	29-30/05/2018
Dry Gas Density	1.36	kg/m ³	-	29-30/05/2018
Fluoride As HF - Total	9.5	mg/m ³	50	29-30/05/2018
Hazardous Substances (Metals) - Total	<0.011	mg/m ³	1	29-30/05/2018
Hydrogen Chloride	11.5	mg/m ³	100	29-30/05/2018
Mercury	<0.00033	mg/m ³	0.2	29-30/05/2018
Moisture	7.2	%	-	29-30/05/2018
Particulates - Total	5.3	mg/m ³	50	29-30/05/2018
Stack Gas Molecular Weight	30.5	kg/k-mole	-	29-30/05/2018
Temperature	117	degC	-	29-30/05/2018
Velocity	15.0	m/sec	-	29-30/05/2018
Volatile Organic Compounds (VOC) - Total	<0.006	ppm	-	29-30/05/2018
Volumetric Flow Rate (Dry At STP)	361	m ³ /sec	-	29-30/05/2018

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	<0.00014	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	1.5	0.5	2.0
E4	2.1	0.6	2.7
E6	1.2	0.5	1.7
U6	1.4	1.1	2.5

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	26.0					
010cm	27.85	8.06	37.0	55.7	3.48	2.50
050cm	27.75	8.06	37.1	55.5	3.46	
100cm	27.71	8.06	37.1	55.0	3.43	
150cm	27.53	8.05	37.1	52.2	3.27	
200cm	27.34	8.05	37.2	51.4	3.22	
250cm	26.79	8.02	37.3	44.8	2.83	
Bottom	26.71	8.02	37.3	44.6	2.81	

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	27.0					
010cm	26.76	8.08	36.9	51.0	3.22	2.0
050cm	26.80	8.08	37.0	51.3	3.24	
100cm	26.81	8.08	37.1	52.2	3.30	
150cm	26.79	8.08	37.1	51.9	3.28	
200cm	26.77	8.08	37.1	48.1	3.04	
250cm	26.55	8.07	37.2	52.2	3.31	
300cm	26.53	8.07	37.2	53.0	3.38	
350cm	26.56	8.07	37.3	54.6	3.46	
400cm	26.54	8.07	37.3	55.7	3.53	
450cm	26.55	8.06	37.3	53.6	3.39	
500cm	26.57	8.07	37.4	38.7	2.05	
550cm	26.61	8.06	37.3	51.7	3.27	
Bottom	26.67	8.05	37.4	52.2	3.30	

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	24.0					
010cm	24.66	7.93	36.6	71.0	4.66	2.25
050cm	24.67	7.89	36.6	71.1	4.66	
100cm	24.68	7.89	36.6	70.7	4.63	
150cm	24.68	7.90	36.6	70.9	4.64	
200cm	24.68	7.90	36.6	71.3	4.66	
250cm	24.66	7.91	36.6	71.1	4.65	
300cm	24.66	7.91	36.6	67.5	4.43	
350cm	24.64	7.92	36.6	70.3	4.61	
400cm	24.65	7.92	36.6	67.1	4.40	
450cm	24.65	7.93	36.6	62.9	4.11	
500cm	24.64	7.93	36.6	65.0	4.20	
550cm	24.64	7.94	36.6	62.1	4.08	
600cm	24.63	7.95	36.6	61.6	4.03	
650cm	24.62	7.95	36.6	62.7	4.10	
700cm	24.62	7.96	36.6	63.1	4.13	
750cm	24.62	7.96	36.6	63.3	4.15	
800cm	24.61	7.97	36.6	62.6	4.09	
850cm	24.60	7.97	36.6	60.1	3.97	
Bottom	24.58	7.95	36.6	55.6	3.64	

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	26.0					
010cm	29.63	7.96	37.3	58.7	3.54	2.5
050cm	29.66	7.96	37.4	61.4	3.71	
100cm	29.83	7.96	37.2	65.8	3.96	
150cm	29.44	7.96	37.3	69.2	4.19	
200cm	29.27	7.97	37.3	68.5	4.16	
250cm	29.24	7.98	37.3	72.7	4.42	
300cm	29.21	7.98	37.3	73.2	4.45	
350cm	29.18	7.98	37.2	76.0	4.62	
400cm	28.31	7.98	37.2	77.0	4.73	
450cm	27.49	7.98	37.1	79.4	4.96	
500cm	26.85	7.97	37.0	78.2	4.94	
Bottom	26.65	7.96	37.0	82.5	5.23	

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	7	mg/L	-	7/03/2019
Nitrite and Nitrate as N	2500	ug/L	-	7/03/2019
Phosphorus Reactive as P - Total	520	ug/L	-	7/03/2019
Phosphorus as P - Total	470	ug/L	-	7/03/2019

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	26.2	deg C	-	March 2019
Temperature – Minimum	23.1	deg C	-	March 2019
Temperature - Maximum	28.4	deg C	-	March 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	33.4	deg C	37.5	March 2019
Temperature – Minimum	28.2	deg C	37.5	March 2019
Temperature - Maximum	35.2	deg C	37.5	March 2019
Maximum Daily Discharge from Ash Dam	41.98	ML	150	March 2019
Monthly Discharge from Ash Dam	425.1	ML	-	March 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	<2	ug/L	-	7/03/2019
Phosphorus as P – Total	400	ug/L	-	7/03/2019

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	1.5	ug/L	12/12/2018
Cadmium	<0.05	ug/L	12/12/2018
Calcium	1000	ug/L	12/12/2018
Chromium	3.4	ug/L	12/12/2018
Copper	7.7	ug/L	12/12/2018
Electrical Conductivity	0.321	mS/cm	12/12/2018
Iron	2100	ug/L	12/12/2018
Lead	6.9	ug/L	12/12/2018
Magnesium	4000	ug/L	12/12/2018
Manganese	77.1	ug/L	12/12/2018
Nickel	5.0	ug/L	12/12/2018
pH	4.97	pH	12/12/2018
Potassium	4000	ug/L	12/12/2018
Selenium	0.6	ug/L	12/12/2018
Standing Water Level	9.850	metres	12/12/2018
Zinc	29	ug/L	12/12/2018

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	9.4	ug/L	12/12/2018
Cadmium	0.06	ug/L	12/12/2018
Calcium	356000	ug/L	12/12/2018
Chromium	1.4	ug/L	12/12/2018
Copper	0.7	ug/L	12/12/2018
Electrical Conductivity	16	mS/cm	12/12/2018
Iron	5270	ug/L	12/12/2018
Lead	1.4	ug/L	12/12/2018
Magnesium	229000	ug/L	12/12/2018
Manganese	1310	ug/L	12/12/2018
Nickel	2.6	ug/L	12/12/2018
pH	6.57	pH	12/12/2018
Potassium	112000	ug/L	12/12/2018
Selenium	0.3	ug/L	12/12/2018
Standing Water Level	4.250	metres	12/12/2018
Zinc	21	ug/L	12/12/2018

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	6.0	ug/L	12/12/2018
Cadmium	<0.05	ug/L	12/12/2018
Calcium	479000	ug/L	12/12/2018
Chromium	0.8	ug/L	12/12/2018
Copper	<0.5	ug/L	12/12/2018
Electrical Conductivity	21	mS/cm	12/12/2018
Iron	13700	ug/L	12/12/2018
Lead	<0.1	ug/L	12/12/2018
Magnesium	274000	ug/L	12/12/2018
Manganese	409	ug/L	12/12/2018
Nickel	0.8	ug/L	12/12/2018
pH	6.56	pH	12/12/2018
Potassium	124000	ug/L	12/12/2018
Selenium	0.4	ug/L	12/12/2018
Standing Water Level	1.882	metres	12/12/2018
Zinc	3	ug/L	12/12/2018

Groundwater Well – EGM/D26

EPA Identification no. 24 – Groundwater Monitoring Well D26
Groundwater well was dry during sampling in December 2018

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	