



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

April 2020



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 23 to 30 April 2020

	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 April	135	151	114	8.1	13.5	3.9	193	207	170
2 April	122	148	107	10.5	19.0	6.0	205	220	169
3 April	121	139	104	13.3	48.1	6.1	221	256	191
4 April	123	156	112	11.7	17.5	6.6	219	268	203
5 April	136	186	111	12.8	15.9	7.7	208	232	172
6 April	131	165	107	12.1	15.9	7.0	234	285	199
7 April	123	156	96	13.7	18.0	8.2	203	256	158
8 April	124	139	108	14.5	18.9	10.0	201	299	167
9 April	128	159	101	14.1	17.8	8.5	198	256	163
10 April	125	144	102	14.5	20.4	8.5	173	231	148
11 April	129	140	113	12.0	15.7	6.8	201	243	149
12 April	161	186	128	13.3	18.2	8.2	198	227	180
13 April	122	151	106	13.2	19.1	8.0	168	187	147
14 April	140	170	105	14.0	20.4	7.1	168	193	139
15 April	131	145	121	12.8	20.0	7.2	171	218	140
16 April	129	158	115	9.4	13.8	6.7	162	193	128
17 April	115	124	108	8.7	14.3	5.9	148	186	136
18 April	122	141	111	10.8	14.2	7.0	161	180	142
19 April	148	169	124	11.8	16.7	7.7	145	165	126
20 April	170	202	124	11.3	18.5	7.0	146	169	115
21 April	156	171	137	10.8	12.7	8.1	203	219	169
22 April	164	183	141	12.7	17.1	10.3	187	219	175
23 April	-	-	-	-	-	-	-	-	-
24 April	-	-	-	-	-	-	-	-	-
25 April	-	-	-	-	-	-	-	-	-
26 April	-	-	-	-	-	-	-	-	-
27 April	-	-	-	-	-	-	-	-	-
28 April	-	-	-	-	-	-	-	-	-
29 April	-	-	-	-	-	-	-	-	-
30 April	-	-	-	-	-	-	-	-	-

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 April	151	183	127	15.9	18.4	13.3	190	217	172
2 April	135	149	113	16.3	19.3	13.8	205	238	182
3 April	133	161	105	16.5	17.9	14.9	234	283	190
4 April	123	142	100	16.1	17.0	14.9	235	268	217
5 April	132	150	95	17.9	19.6	14.4	214	256	187
6 April	139	156	106	17.8	20.7	14.0	228	282	188
7 April	129	149	109	17.9	20.8	15.1	212	236	178
8 April	127	141	105	17.9	21.7	14.8	206	254	170
9 April	147	191	109	17.7	19.3	14.7	224	264	180
10 April	127	139	106	17.0	18.1	14.5	205	261	171
11 April	134	152	122	16.7	18.8	14.0	217	276	166
12 April	154	179	127	18.0	20.1	15.0	226	254	211
13 April	153	202	106	18.3	20.7	15.0	195	231	173
14 April	162	203	120	18.6	22.2	14.5	208	232	185
15 April	171	203	131	16.8	20.1	14.4	212	247	167
16 April	176	201	156	15.9	18.6	14.4	191	210	167
17 April	166	178	154	15.3	17.1	14.0	172	193	162
18 April	161	197	147	16.4	20.3	13.9	200	212	181
19 April	153	174	135	17.5	20.3	15.1	188	199	180
20 April	151	185	100	16.7	19.7	14.0	167	179	159
21 April	153	161	138	16.5	18.7	15.5	216	243	187
22 April	166	198	147	16.6	18.2	15.1	212	226	193
23 April	145	173	128	16.8	19.8	14.0	202	235	175
24 April	146	165	115	16.2	19.8	14.6	204	230	185
25 April	156	168	139	17.8	19.8	15.6	209	227	186
26 April	159	181	133	17.1	18.6	14.9	187	202	172
27 April	145	177	127	16.5	18.0	15.2	174	183	155
28 April	129	192	105	16.3	19.3	15.0	186	220	165
29 April	149	196	122	16.4	19.6	14.0	184	226	167
30 April	140	164	103	16.7	19.0	15.1	184	206	168

Unit 3 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 13 - Air emissions monitoring, Boiler 3 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 April	128	151	117	22.6	28.4	19.4	213	241	179
2 April	128	150	113	24.4	28.4	21.7	225	247	201
3 April	131	145	114	26.8	34.9	22.1	248	271	204
4 April	140	160	128	25.4	29.7	21.5	270	289	237
5 April	146	158	131	25.1	30.8	21.9	274	300	234
6 April	141	156	120	23.5	27.2	21.0	270	311	241
7 April	133	154	121	23.8	27.3	20.6	261	278	247
8 April	130	144	112	24.2	29.9	21.2	240	280	196
9 April	132	144	113	24.0	27.0	21.7	239	271	187
10 April	137	151	125	25.2	29.0	23.7	231	299	189
11 April	134	155	114	26.2	29.5	21.2	256	320	183
12 April	151	162	132	22.3	24.8	20.0	265	302	236
13 April	152	161	127	22.7	25.1	19.2	218	237	172
14 April	162	181	134	23.0	25.9	19.7	229	258	176
15 April	161	200	130	22.9	28.5	19.1	240	283	203
16 April	187	224	116	24.4	29.0	19.1	218	242	157
17 April	205	255	151	19.1	24.4	16.1	200	230	171
18 April	172	216	135	19.8	23.3	16.6	217	236	159
19 April	150	194	103	22.4	25.5	19.4	208	235	159
20 April	159	217	124	22.8	28.8	17.5	189	221	155
21 April	157	193	133	21.1	23.1	18.2	249	285	169
22 April	147	167	117	20.4	25.4	15.2	244	271	201
23 April	144	180	116	18.7	22.4	16.3	228	252	190
24 April	154	194	118	18.4	23.6	14.2	232	258	191
25 April	162	228	129	20.3	28.1	14.2	220	235	181
26 April	162	227	120	20.7	26.5	13.9	206	215	168
27 April	183	265	134	17.7	21.6	12.7	193	206	156
28 April	169	242	118	16.3	24.1	8.0	204	224	178
29 April	182	246	122	15.7	36.2	10.7	220	257	194
30 April	176	247	123	16.7	21.7	12.7	218	232	184

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 to 21 April 2020*

	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 April	-	-	-	-	-	-	-	-	-
2 April	-	-	-	-	-	-	-	-	-
3 April	-	-	-	-	-	-	-	-	-
4 April	-	-	-	-	-	-	-	-	-
5 April	-	-	-	-	-	-	-	-	-
6 April	-	-	-	-	-	-	-	-	-
7 April	-	-	-	-	-	-	-	-	-
8 April	-	-	-	-	-	-	-	-	-
9 April	-	-	-	-	-	-	-	-	-
10 April	-	-	-	-	-	-	-	-	-
11 April	-	-	-	-	-	-	-	-	-
12 April	-	-	-	-	-	-	-	-	-
13 April	-	-	-	-	-	-	-	-	-
14 April	-	-	-	-	-	-	-	-	-
15 April	-	-	-	-	-	-	-	-	-
16 April	-	-	-	-	-	-	-	-	-
17 April	-	-	-	-	-	-	-	-	-
18 April	-	-	-	-	-	-	-	-	-
19 April	-	-	-	-	-	-	-	-	-
20 April	-	-	-	-	-	-	-	-	-
21 April	-	-	-	-	-	-	-	-	-
22 April	187	202	168	16.6	22.5	13.3	260	274	243
23 April	191	211	169	14.0	15.9	12.3	228	246	194
24 April	202	229	167	14.4	15.8	12.7	238	264	216
25 April	208	231	176	15.0	17.2	12.5	249	294	216
26 April	224	253	182	15.2	16.6	13.4	219	229	208
27 April	199	230	177	14.2	15.5	12.9	208	225	197
28 April	201	232	170	14.9	16.6	13.5	203	221	193
29 April	201	238	170	14.5	16.6	13.0	219	266	186
30 April	195	218	171	15.2	21.2	14.0	204	220	187

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	
Carbon Dioxide (Wet)	12.3	%	-	25-26/02/2020
Carbon Monoxide	<2	ppm	-	25-26/02/2020
Chlorine	0.015	mg/m ³	200	25-26/02/2020
Copper	0.00062	mg/m ³	-	25-26/02/2020
Dry Gas Density	1.33	kg/m ³	-	25-26/02/2020
Fluoride As HF - Total	9.2	mg/m ³	50	25-26/02/2020
Hazardous Substances (Metals) - Total	<0.011	mg/m ³	1	25-26/02/2020
Hydrogen Chloride	7.2	mg/m ³	100	25-26/02/2020
Mercury	0.00019	mg/m ³	0.2	25-26/02/2020
Moisture	6.3	%	-	25-26/02/2020
Particulates - Total	3.0	mg/m ³	50	25-26/02/2020
Stack Gas Molecular Weight	29.6	kg/k-mole	-	25-26/02/2020
Temperature	120	degC	-	25-26/02/2020
Velocity	15.5	m/sec	-	25-26/02/2020
Volatile Organic Compounds (VOC) - Total	0.01	ppm	-	25-26/02/2020
Volumetric Flow Rate (Dry At STP)	375	m ³ /sec	-	25-26/02/2020

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	<0.0002	mg/m ³	0.2	10-11/12/2019
Carbon Dioxide (Wet)	12.1	%	-	10-11/12/2019
Carbon Monoxide	13.8	ppm	-	10-11/12/2019
Chlorine	0.025	mg/m ³	200	10-11/12/2019
Copper	0.0029	mg/m ³	-	10-11/12/2019
Dry Gas Density	1.32	kg/m ³	-	10-11/12/2019
Fluoride As HF - Total	10.5	mg/m ³	50	10-11/12/2019
Hazardous Substances (Metals) - Total	<0.013	mg/m ³	1	10-11/12/2019
Hydrogen Chloride	25.5	mg/m ³	100	10-11/12/2019
Mercury	0.00052	mg/m ³	0.2	10-11/12/2019
Moisture	6.5	%	-	10-11/12/2019
Particulates - Total	9.7	mg/m ³	50	10-11/12/2019
Stack Gas Molecular Weight	29.6	kg/k-mole	-	10-11/12/2019
Temperature	127	degC	-	10-11/12/2019
Velocity	16.0	m/sec	-	10-11/12/2019
Volatile Organic Compounds (VOC) - Total	<0.008	ppm	-	10-11/12/2019
Volumetric Flow Rate (Dry At STP)	357	m ³ /sec	-	10-11/12/2019

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	0.2	0.3	0.5
E4	0.3	0.4	0.7
E6	0.4	0.5	0.9
U6	0.3	0.3	0.6

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	20.82					
010cm	21.17	8.50	32.8	130.3	8.78	2.25
050cm	22.18	8.43	32.7	108.6	7.44	
100cm	22.28	8.42	32.6	93.2	6.38	
150cm	22.31	8.42	32.6	84.7	5.90	
200cm	22.45	8.39	32.8	78.6	5.43	
250cm	22.48	8.39	32.8	75.3	5.16	
Bottom	22.53	8.38	32.9	69.3	4.73	

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	19.82					
010cm	22.13	8.54	33.0	71.1	4.96	2.75
050cm	22.50	8.49	32.9	72.0	5.01	
100cm	22.62	8.48	32.9	77.6	5.41	
150cm	22.72	8.49	32.9	65.5	4.37	
200cm	22.70	8.48	32.9	58.0	4.14	
250cm	22.72	8.48	32.9	65.9	4.60	
300cm	22.74	8.48	32.9	67.5	4.65	
350cm	22.72	8.48	32.9	66.3	4.57	
400cm	22.69	8.48	32.9	66.1	4.55	
450cm	22.69	8.48	32.9	67.0	4.63	
500cm	22.68	8.48	32.9	69.9	4.86	
550cm	22.67	8.48	32.9	69.6	4.79	
600cm	22.66	8.48	32.9	68.7	4.80	
650cm	22.65	8.47	32.9	68.6	4.70	
700cm	22.64	8.47	33.0	66.6	4.56	
750cm	22.84	8.37	33.7	44.8	2.94	
Bottom	22.80	8.28	34.0	33.8	2.26	

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	18.4					
010cm	21.16	8.69	33.1	80.0	5.69	2.75
050cm	21.42	8.44	33.2	62.9	4.58	
100cm	21.41	8.39	33.1	67.5	4.77	
150cm	21.45	8.37	33.1	69.5	4.91	
200cm	21.46	8.34	33.2	69.5	4.95	
250cm	21.48	8.33	33.2	70.1	4.96	
300cm	21.51	8.31	33.2	69.2	4.93	
350cm	21.53	8.31	33.2	68.8	4.86	
400cm	21.54	8.30	33.2	70.1	4.94	
450cm	21.54	8.31	33.2	70.5	4.87	
500cm	21.55	8.28	33.2	69.7	4.93	
550cm	21.58	8.28	33.2	68.4	4.80	
600cm	21.61	8.27	33.3	68.7	4.84	
650cm	21.75	8.26	33.4	68.4	4.75	
700cm	21.79	8.25	33.4	65.2	4.51	
750cm	21.77	8.25	33.5	65.2	4.50	
800cm	21.70	8.25	33.6	65.8	4.61	
850cm	21.57	8.27	33.7	66.7	4.68	
Bottom	21.33	8.29	33.8	66.1	4.67	

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	20.10					
010cm	22.18	8.29	32.1	76.4	5.36	2.75
050cm	22.32	8.28	32.1	76.6	5.38	
100cm	22.45	8.28	32.2	71.1	4.90	
150cm	22.93	8.27	32.7	72.0	4.89	
200cm	24.01	8.27	33.1	74.8	2.08	
250cm	24.22	8.27	33.2	78.3	5.28	
300cm	24.40	8.28	33.2	79.0	5.29	
350cm	24.38	8.28	33.2	78.3	5.24	
400cm	24.32	8.28	33.4	74.0	4.78	
450cm	23.85	8.26	33.6	53.2	3.56	
500cm	23.47	8.26	33.7	49.5	3.37	
550cm	23.23	8.24	33.8	44.2	3.00	
600cm	23.22	8.23	33.8	36.8	2.46	
Bottom	23.18	8.21	33.8	31.4	2.11	

Eraring Ash Dam Effluent Quality Monitoring

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

Name	Reading	Units	Licence Limit	Date
Cadmium	0.14	ug/L	-	2/04/2020
Copper	2.5	ug/L	-	2/04/2020
Iron	24	ug/L	-	2/04/2020
Lead	0.1	ug/L	-	2/04/2020
Manganese	38.1	ug/L	-	2/04/2020
pH	8.84	pH	-	2/04/2020
Selenium	27.8	ug/L	-	2/04/2020
Total Suspended Solids	7	mg/L	-	2/04/2020
Zinc	3	ug/L	-	2/04/2020
Nitrite and Nitrate as N	2020	ug/L	-	2/04/2020
Phosphorus Reactive as P - Total	680	ug/L	-	2/04/2020
Phosphorus as P - Total	620	ug/L	-	2/04/2020

Eraring Cooling Water Inlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	1.7	ug/L	-	2/04/2020
Iron	61	ug/L	-	2/04/2020
Selenium	2	ug/L	-	2/04/2020
Temperature – Average	22.0	deg C	-	April 2020
Temperature – Minimum	20.2	deg C	-	April 2020
Temperature - Maximum	25.5	deg C	-	April 2020

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	1.6	ug/L	5	2/04/2020
Iron	58	ug/L	300	2/04/2020
Selenium	2	ug/L	2	2/04/2020
Temperature – Average	28.0	deg C	37.5	April 2020
Temperature – Minimum	24.0	deg C	37.5	April 2020
Temperature - Maximum	35.1	deg C	37.5	April 2020
Maximum Daily Discharge from Ash Dam	21.10	ML	150	April 2020
Monthly Discharge from Ash Dam	279.7	ML	-	April 2020

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	62	ug/L	-	2/04/2020
Phosphorus as P – Total	187	ug/L	-	2/04/2020
Cadmium	0.05	ug/L	-	2/04/2020
Copper	1.6	ug/L	-	2/04/2020
Iron	13400	ug/L	-	2/04/2020
Lead	1.9	ug/L	-	2/04/2020
Manganese	932	ug/L	-	2/04/2020
pH	6.82	ug/L	-	2/04/2020
Selenium	2.8	ug/L	-	2/04/2020
Zinc	20	ug/L	-	2/04/2020

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	1.1	ug/L	18/12/2019
Cadmium	<0.05	ug/L	18/12/2019
Calcium	1000	ug/L	18/12/2019
Chromium	3.5	ug/L	18/12/2019
Copper	4.0	ug/L	18/12/2019
Electrical Conductivity	0.370	mS/cm	18/12/2019
Iron	1690	ug/L	18/12/2019
Lead	5.2	ug/L	18/12/2019
Magnesium	4000	ug/L	18/12/2019
Manganese	73.1	ug/L	18/12/2019
Nickel	4.8	ug/L	18/12/2019
pH	4.92	pH	18/12/2019
Potassium	4000	ug/L	18/12/2019
Selenium	0.4	ug/L	18/12/2019
Standing Water Level	9.310	metres	18/12/2019
Zinc	84	ug/L	18/12/2019

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	6.1	ug/L	5/12/2019
Cadmium	<0.05	ug/L	5/12/2019
Calcium	342000	ug/L	5/12/2019
Chromium	0.9	ug/L	5/12/2019
Copper	<0.5	ug/L	5/12/2019
Electrical Conductivity	16.000	mS/cm	5/12/2019
Iron	7930	ug/L	5/12/2019
Lead	0.9	ug/L	5/12/2019
Magnesium	258000	ug/L	5/12/2019
Manganese	974	ug/L	5/12/2019
Nickel	<0.5	ug/L	5/12/2019
pH	6.42	pH	5/12/2019
Potassium	138000	ug/L	5/12/2019
Selenium	0.5	ug/L	5/12/2019
Standing Water Level	4.295	metres	5/12/2019
Zinc	7	ug/L	5/12/2019

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	6.9	ug/L	5/12/2019
Cadmium	<0.05	ug/L	5/12/2019
Calcium	510000	ug/L	5/12/2019
Chromium	0.7	ug/L	5/12/2019
Copper	<0.5	ug/L	5/12/2019
Electrical Conductivity	20.600	mS/cm	5/12/2019
Iron	11000	ug/L	5/12/2019
Lead	<0.1	ug/L	5/12/2019
Magnesium	297000	ug/L	5/12/2019
Manganese	347	ug/L	5/12/2019
Nickel	1.0	ug/L	5/12/2019
pH	6.54	pH	5/12/2019
Potassium	139000	ug/L	5/12/2019
Selenium	0.5	ug/L	5/12/2019
Standing Water Level	1.960	metres	5/12/2019
Zinc	2	ug/L	5/12/2019

Groundwater Well – EGM/D26

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