



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data December 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 December	137	171	114	12.2	15.3	10.7	243	263	216
2 December	143	167	101	11.9	12.7	10.7	265	277	233
3 December	139	160	126	11.5	13.7	10.2	256	268	237
4 December	157	179	119	12.2	18.8	10.2	272	293	237
5 December	151	178	132	11.8	12.8	10.7	270	283	254
6 December	153	173	121	12.6	14.3	11.2	270	281	246
7 December	152	181	125	12.6	14.8	11.2	263	285	254
8 December	146	177	120	12.4	13.7	11.1	262	271	241
9 December	169	191	124	13.3	14.5	10.9	247	262	205
10 December	160	183	124	13.1	15.6	10.6	244	256	206
11 December	166	179	110	12.8	15.0	10.4	248	261	203
12 December	148	167	126	12.1	14.5	10.8	244	249	219
13 December	155	167	119	12.8	14.0	10.8	232	242	205
14 December	158	175	133	13.5	15.6	11.4	233	249	204
15 December	151	173	127	13.3	15.5	11.4	236	267	211
16 December	154	168	135	11.8	12.5	11.3	238	263	221
17 December	150	163	125	12.6	14.0	11.4	246	280	215
18 December	138	160	120	12.4	15.3	10.6	228	246	190
19 December	144	162	127	11.9	14.7	9.5	238	259	203
20 December	130	147	109	11.9	12.7	10.1	231	267	211
21 December	139	171	113	12.4	18.3	9.9	218	274	175
22 December	136	173	115	11.2	12.3	10.7	208	276	175
23 December	138	158	111	11.9	15.4	10.2	201	220	185
24 December	132	152	110	13.0	15.9	11.4	192	217	158
25 December	124	140	112	11.4	13.8	10.7	189	207	164
26 December	129	154	101	11.1	12.4	10.3	192	212	178
27 December	145	169	113	11.6	13.5	9.9	200	223	164
28 December	156	192	118	11.8	14.0	9.9	253	278	204
29 December	144	196	123	11.4	13.6	10.4	228	243	195
30 December	149	198	106	12.8	18.8	10.0	257	312	183
31 December	150	202	119	11.7	13.8	9.5	265	311	209

Unit 2 Boiler Continuous Emission Monitoring Summary

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

NoX sensor out of service 1-3 December 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 December	-	-	-	21.9	27.3	18.3	243	258	224
2 December	-	-	-	22.6	26.3	19.4	255	272	239
3 December	-	-	-	22.7	25.9	17.8	257	277	232
4 December	127	132	120	21.6	33.4	17.4	262	278	232
5 December	147	193	117	23.6	26.8	19.7	259	279	244
6 December	139	170	123	25.1	33.2	18.1	248	258	239
7 December	141	177	111	20.9	25.0	18.0	254	267	244
8 December	134	203	109	22.3	28.1	18.2	254	266	244
9 December	151	184	123	20.4	27.6	16.9	241	255	215
10 December	143	184	130	21.2	27.7	16.5	233	251	224
11 December	152	195	123	23.2	28.6	19.1	239	248	227
12 December	136	180	116	22.6	31.6	14.7	236	247	227
13 December	153	167	121	16.7	20.1	15.7	228	232	222
14 December	160	187	124	15.7	19.5	13.3	230	237	221
15 December	143	179	101	15.5	18.1	12.8	234	256	224
16 December	119	181	105	17.3	18.6	15.9	244	258	219
17 December	142	165	108	17.7	24.0	15.4	243	271	221
18 December	143	176	115	16.7	20.5	14.5	228	248	215
19 December	150	201	106	15.5	20.8	10.9	227	250	208
20 December	138	159	102	17.3	20.3	15.0	229	235	218
21 December	132	157	108	16.1	22.7	9.7	218	256	195
22 December	126	160	101	14.9	18.4	13.0	228	308	181
23 December	133	160	112	16.2	20.2	13.6	201	224	185
24 December	133	157	107	15.6	19.5	13.3	214	243	198
25 December	119	157	100	16.2	19.0	13.5	214	249	196
26 December	123	163	102	17.3	19.4	13.7	210	230	194
27 December	140	185	101	16.6	19.9	13.8	203	220	189
28 December	137	159	115	15.3	18.4	11.6	221	244	194
29 December	133	182	107	14.8	17.7	11.4	238	266	204
30 December	133	147	110	14.7	20.8	11.5	245	287	193
31 December	137	171	102	14.4	19.8	9.8	225	287	182

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 13 December 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 December	146	154	140	18.9	19.8	18.3	288	303	256
2 December	155	164	139	18.6	20.4	17.8	313	326	273
3 December	160	173	139	20.7	26.6	18.3	316	327	286
4 December	160	175	139	23.7	25.4	22.3	329	350	266
5 December	154	162	124	15.8	16.0	15.0	321	342	262
6 December	155	164	123	25.3	26.4	24.3	316	336	277
7 December	159	174	131	25.9	53.5	23.9	329	339	310
8 December	167	192	142	22.0	24.9	19.7	310	319	276
9 December	160	187	132	20.9	23.9	19.3	296	312	270
10 December	146	160	134	19.8	20.8	18.3	291	313	254
11 December	152	159	126	17.4	19.3	16.0	300	314	271
12 December	156	162	135	18.1	22.3	11.2	303	311	276
13 December	-	-	-	-	-	-	-	-	-
14 December	167	191	157	19.6	24.4	17.1	282	289	226
15 December	163	177	128	18.3	22.6	17.0	281	294	253
16 December	154	173	131	17.5	20.2	15.4	283	299	271
17 December	163	211	118	15.6	19.8	12.6	283	303	247
18 December	181	211	123	14.5	17.7	12.1	269	297	242
19 December	168	193	128	14.6	22.3	8.0	264	295	226
20 December	169	192	118	13.2	15.3	10.1	275	302	252
21 December	157	185	124	15.1	23.6	10.6	271	317	229
22 December	163	197	131	17.3	29.5	11.7	283	341	242
23 December	159	198	121	13.0	16.3	11.2	232	250	213
24 December	158	193	127	15.4	19.4	11.7	223	245	206
25 December	131	167	104	17.2	22.0	11.6	253	276	220
26 December	126	161	100	16.5	22.8	11.0	240	265	225
27 December	142	160	105	18.1	28.5	11.6	241	261	216
28 December	144	167	117	14.4	21.0	9.6	259	272	240
29 December	138	165	116	13.3	24.5	9.4	267	306	243
30 December	138	162	110	13.4	17.4	10.2	284	357	232
31 December	139	184	117	15.8	24.0	9.2	271	320	235

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 December	173	190	155	13.5	15.1	11.9	301	328	284
2 December	183	213	143	13.9	15.1	12.5	313	327	297
3 December	183	195	154	15.6	20.3	13.3	319	337	296
4 December	187	225	164	15.3	16.4	14.3	316	336	293
5 December	200	223	174	14.8	16.4	13.8	320	334	300
6 December	214	234	192	15.5	16.4	14.2	307	322	297
7 December	218	267	184	15.9	18.2	14.5	312	331	294
8 December	216	250	185	16.6	18.9	14.8	312	328	298
9 December	234	258	196	16.1	18.5	14.7	297	318	278
10 December	216	250	188	16.5	17.9	14.4	285	301	270
11 December	227	241	205	17.4	19.2	15.6	296	305	290
12 December	213	249	180	18.5	21.5	17.1	290	306	272
13 December	209	244	189	20.5	25.7	17.7	267	288	254
14 December	219	268	153	23.9	37.4	19.9	273	288	254
15 December	220	248	183	17.7	23.7	15.4	290	313	273
16 December	232	250	203	19.1	20.7	17.8	281	295	263
17 December	235	262	213	20.7	24.8	17.6	296	340	242
18 December	211	234	181	15.8	27.1	12.9	278	304	257
19 December	192	225	165	13.5	21.6	10.6	283	301	271
20 December	203	229	158	12.7	13.8	11.6	280	292	272
21 December	194	223	147	12.4	13.8	11.0	253	295	220
22 December	197	262	148	13.7	16.4	11.9	276	312	226
23 December	195	224	173	12.5	13.7	11.6	249	284	219
24 December	177	204	150	12.9	15.2	11.6	257	289	224
25 December	169	207	138	13.3	14.9	11.8	252	283	236
26 December	190	240	144	14.1	16.9	11.5	252	272	225
27 December	196	218	164	13.4	15.0	12.0	240	257	221
28 December	205	237	173	12.7	14.6	10.4	287	307	242
29 December	201	246	162	12.3	22.9	9.7	267	309	224
30 December	193	245	158	11.7	12.8	9.8	290	376	222
31 December	184	221	160	12.7	16.1	9.6	272	344	219

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	1.7	0.8	2.5
E4	0.4	0.2	0.6
E6	2.6	1.8	4.4
U6	3.2	1.2	4.4

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	20.92					
010cm	22.37	10.46	36.0	106.6	7.16	1.75
050cm	22.50	10.38	36.0	98.8	6.61	
100cm	22.52	10.25	36.0	80.0	5.43	
150cm	22.51	10.18	36.0	87.5	5.99	
200cm	22.38	10.12	36.1	94.5	6.59	
Bottom	22.30	10.10	36.1	80.2	5.49	

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	21.18					
010cm	20.75	9.93	36.2	98.7	6.60	1.75
050cm	23.14	10.54	36.0	91.8	6.15	
100cm	23.10	10.40	36.0	84.6	5.71	
150cm	23.05	10.32	35.9	83.3	5.63	
200cm	23.09	10.26	36.0	83.3	5.55	
250cm	22.95	10.20	36.0	81.1	5.50	
300cm	22.88	10.16	36.0	83.2	5.41	
350cm	22.82	10.11	36.0	84.0	5.71	
400cm	22.75	10.07	36.0	82.5	5.56	
450cm	22.77	10.05	36.0	77.6	5.33	
500cm	22.76	10.02	36.0	77.2	5.18	
550cm	22.76	10.01	36.0	78.1	5.41	
Bottom	22.74	9.97	36.0	81.0	5.32	

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	21.17					
010cm	20.88	7.56	35.8	99.1	6.94	1.25
050cm	20.90	7.30	35.8	91.8	6.44	
100cm	20.90	7.40	35.8	91.0	6.38	
150cm	20.89	7.63	36.0	88.7	6.23	
200cm	20.90	7.57	36.0	89.3	6.23	
250cm	20.90	7.55	36.0	88.6	6.20	
300cm	20.90	7.55	36.0	87.7	6.14	
350cm	20.90	7.56	36.0	87.0	6.10	
400cm	20.89	7.56	36.0	86.8	6.10	
450cm	20.90	7.57	36.0	85.5	6.00	
500cm	20.89	7.56	36.0	86.0	6.05	
550cm	20.89	7.56	36.0	84.8	5.95	
600cm	20.88	7.56	36.0	84.3	5.92	
650cm	20.87	7.55	36.0	84.8	5.92	
700cm	20.87	7.55	36.0	84.8	5.95	
750cm	20.87	7.54	36.0	84.3	5.94	
800cm	20.86	7.53	36.0	84.5	5.93	
850cm	20.87	7.53	36.0	84.7	5.99	
Bottom	20.87	7.52	36.0	83.9	5.88	

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	20.16					
010cm	22.76	7.33	34.0	103.0	6.82	1.25
050cm	23.80	7.50	36.2	92.4	6.10	
100cm	23.93	7.63	36.1	91.6	5.98	
150cm	23.89	7.72	36.1	90.0	5.98	
200cm	23.93	7.77	36.1	89.7	6.02	
250cm	23.93	7.87	36.0	90.1	5.90	
300cm	23.93	7.90	36.0	89.3	5.91	
350cm	23.88	7.94	36.0	85.0	5.64	
400cm	23.87	7.97	36.0	88.2	5.91	
450cm	23.81	8.01	36.0	83.2	5.54	
500cm	23.60	8.04	36.0	79.6	5.30	
550cm	23.49	8.07	35.9	77.4	5.28	
Bottom	23.47	8.09	35.9	76.4	5.07	

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
Total Suspended Solids	4	mg/L	-	5/12/2019
Nitrite and Nitrate as N	2520	ug/L	-	5/12/2019
Phosphorus Reactive as P - Total	480	ug/L	-	5/12/2019
Phosphorus as P - Total	450	ug/L	-	5/12/2019

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
Temperature – Average	25.3	deg C	-	Dec 2019
Temperature – Minimum	22.3	deg C	-	Dec 2019
Temperature - Maximum	28.4	deg C	-	Dec 2019

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Temperature – Average	31.6	deg C	37.5	Dec 2019
Temperature – Minimum	25.6	deg C	37.5	Dec 2019
Temperature - Maximum	35.2	deg C	37.5	Dec 2019
Maximum Daily Discharge from Ash Dam	35.23	ML	150	Dec 2019
Monthly Discharge from Ash Dam	340.6	ML	-	Dec 2019

Emergency Discharge – Toe Drain Pond

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

Name	Reading	Units	Licence Limit	Date
Nitrite and Nitrate as N	144	ug/L	-	5/12/2019
Phosphorus as P – Total	122	ug/L	-	5/12/2019

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	