



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

December 2018



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	183	209	137	10.0	13.7	8.5	223	259	193
2 December	149	187	120	10.9	16.8	8.1	252	268	239
3 December	180	211	127	9.6	13.2	8.0	236	250	218
4 December	133	149	120	11.6	12.6	9.0	235	259	207
5 December	153	192	112	11.0	12.9	8.3	259	278	243
6 December	157	174	139	9.8	14.0	8.0	226	276	187
7 December	169	192	119	9.1	12.1	8.0	218	236	202
8 December	186	206	131	9.1	11.7	8.0	206	236	176
9 December	164	189	118	9.3	12.6	7.5	206	214	197
10 December	176	210	162	8.9	11.7	7.6	229	251	204
11 December	166	188	126	10.0	14.3	8.6	212	231	186
12 December	149	170	115	10.1	16.4	8.3	208	231	192
13 December	136	189	112	10.9	15.0	8.2	206	217	198
14 December	176	187	136	9.3	11.9	8.1	208	221	198
15 December	186	202	141	9.7	12.8	8.2	203	222	187
16 December	174	198	122	9.4	12.3	7.7	195	214	178
17 December	173	185	116	8.5	10.4	7.8	196	214	190
18 December	172	189	129	8.2	10.4	7.2	206	222	189
19 December	188	213	131	9.4	14.4	7.7	203	225	190
20 December	179	201	154	9.5	12.9	7.7	204	229	181
21 December	177	202	130	8.9	12.4	7.2	216	222	205
22 December	195	210	148	8.4	11.5	7.2	202	219	195
23 December	161	192	129	10.6	13.5	7.8	216	226	194
24 December	157	173	135	9.5	13.5	7.3	196	202	189
25 December	160	179	136	10.8	14.0	8.4	198	208	186
26 December	177	216	131	11.4	13.6	9.5	214	222	203
27 December	170	185	144	11.2	26.1	7.9	211	219	198
28 December	165	196	143	11.7	14.2	9.5	187	192	182
29 December	172	205	142	11.6	14.8	8.1	181	187	174
30 December	158	178	139	11.2	14.2	9.0	194	200	183
31 December	179	227	141	11.0	14.5	9.4	184	191	181

Unit 2 Boiler Continuous Emission Monitoring Summary

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

SOX Unit Out of Service 6-19, 22 and 24-25 December 2018. All Units Out of service 26 December 2018

	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	133	178	111	15.9	20.3	13.5	179	201	150
2 December	130	177	114	17.5	23.2	13.8	179	198	163
3 December	140	173	104	17.6	23.0	14.3	177	195	153
4 December	122	158	104	18.3	23.9	15.5	161	180	147
5 December	127	160	101	19.0	23.9	16.3	166	184	146
6 December	131	157	114	20.7	26.5	17.7	-	-	-
7 December	127	173	103	17.1	19.9	15.4	-	-	-
8 December	144	176	103	15.6	18.0	14.0	-	-	-
9 December	152	172	115	16.2	19.2	14.0	-	-	-
10 December	136	197	101	15.7	17.1	14.4	-	-	-
11 December	130	157	117	16.6	19.2	14.9	-	-	-
12 December	139	167	112	15.4	24.9	11.0	-	-	-
13 December	128	175	107	12.7	15.6	10.9	-	-	-
14 December	165	188	105	12.3	15.5	10.9	-	-	-
15 December	181	201	141	12.0	14.2	11.0	-	-	-
16 December	153	179	108	13.1	16.4	11.4	-	-	-
17 December	169	194	150	12.6	14.8	11.1	-	-	-
18 December	153	197	108	13.6	16.9	11.6	-	-	-
19 December	159	185	126	12.5	14.8	10.8	-	-	-
20 December	162	189	131	12.7	16.5	10.6	208	218	201
21 December	164	195	142	13.5	15.4	11.7	199	213	174
22 December	161	174	125	13.8	16.4	12.3	-	-	-
23 December	151	167	135	14.9	18.0	13.3	193	201	186
24 December	156	178	130	14.6	18.5	12.3	-	-	-
25 December	149	167	138	16.2	20.6	12.7	-	-	-
26 December	-	-	-	-	-	-	-	-	-
27 December	180	228	155	26.1	37.6	12.5	256	281	231
28 December	165	206	126	14.8	17.1	11.8	193	212	165
29 December	162	192	138	14.4	17.1	11.4	187	202	168
30 December	146	207	115	13.8	16.3	11.6	193	211	175
31 December	157	189	136	14.2	17.3	11.7	180	201	149

Unit 3 Boiler Continuous Emission Monitoring Summary

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

All Units Out of Service 1 December 2018. NOX and SOX Units Out of Service 2-4 December 2018. SOX Unit Out of Service 16, 17, 19 and 20 December 2018

	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	-	-	-	-	-	-	-	-	-
2 December	-	-	-	13.6	22.0	8.1	-	-	-
3 December	-	-	-	10.5	12.7	9.2	-	-	-
4 December	-	-	-	11.2	12.3	10.7	-	-	-
5 December	149	162	123	10.6	10.7	10.2	218	226	209
6 December	205	217	192	10.7	12.3	9.6	211	229	188
7 December	169	192	111	10.7	12.3	10.2	217	246	192
8 December	168	196	101	10.4	14.4	8.8	214	247	192
9 December	167	190	134	9.5	10.9	8.8	206	236	178
10 December	159	188	109	9.4	12.9	8.3	199	229	176
11 December	149	181	102	10.1	11.4	9.2	193	217	176
12 December	158	206	114	11.1	17.0	9.6	198	226	186
13 December	188	209	140	10.3	12.6	9.4	210	236	189
14 December	173	205	125	10.0	11.9	8.9	206	240	185
15 December	179	213	119	11.5	15.1	10.5	184	217	160
16 December	188	212	133	11.7	12.5	10.4	-	-	-
17 December	170	197	124	12.2	14.0	11.0	-	-	-
18 December	159	191	111	12.4	13.9	11.7	204	214	196
19 December	175	216	114	12.8	15.8	11.3	-	-	-
20 December	165	198	119	12.9	14.5	11.8	-	-	-
21 December	169	204	135	12.9	16.1	11.4	218	231	190
22 December	181	209	118	12.9	14.6	10.8	211	223	196
23 December	148	212	112	13.5	16.5	11.3	230	244	202
24 December	163	195	117	14.9	20.3	12.8	195	219	157
25 December	158	202	118	14.8	18.0	12.4	187	214	148
26 December	169	207	113	8.1	10.8	6.6	191	230	147
27 December	183	227	117	7.9	9.1	7.0	184	209	151
28 December	168	220	126	8.0	9.1	7.0	176	200	142
29 December	156	210	110	8.2	9.6	7.5	168	193	140
30 December	160	215	113	7.9	8.5	7.0	178	205	142
31 December	162	227	117	9.1	11.3	7.2	173	195	150

Unit 4 Boiler Continuous Emission Monitoring Summary

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

All Units Out of Service 15-22 December 2018

	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	188	165	5.9	8.0	4.3	221	237	198
2 December	161	183	140	7.0	9.9	4.1	259	282	238
3 December	168	183	153	7.0	8.6	5.0	245	259	226
4 December	159	178	135	7.1	12.9	5.0	275	304	236
5 December	151	183	130	7.1	14.9	3.9	276	305	254
6 December	196	218	179	9.6	16.5	6.8	230	283	188
7 December	193	213	165	7.5	7.7	7.2	210	226	188
8 December	183	199	154	3.2	5.0	2.0	256	296	236
9 December	172	182	154	3.4	5.1	3.0	252	289	232
10 December	177	201	141	11.7	14.4	8.9	244	267	223
11 December	162	168	150	13.4	18.7	2.6	239	265	203
12 December	172	190	159	9.1	14.4	4.6	255	300	219
13 December	188	205	158	10.0	13.0	7.9	251	273	227
14 December	185	204	147	10.9	11.8	9.6	239	267	207
15 December	-	-	-	-	-	-	-	-	-
16 December	-	-	-	-	-	-	-	-	-
17 December	-	-	-	-	-	-	-	-	-
18 December	-	-	-	-	-	-	-	-	-
19 December	-	-	-	-	-	-	-	-	-
20 December	-	-	-	-	-	-	-	-	-
21 December	-	-	-	-	-	-	-	-	-
22 December	-	-	-	-	-	-	-	-	-
23 December	182	206	155	9.7	25.6	7.3	218	227	206
24 December	190	218	170	9.9	14.0	7.7	206	214	194
25 December	192	223	162	6.7	7.5	6.0	212	222	205
26 December	196	221	158	10.9	15.9	8.7	210	220	201
27 December	205	222	174	12.7	20.3	10.2	206	227	199
28 December	189	231	155	12.6	20.6	9.8	208	233	194
29 December	177	208	146	12.6	18.5	10.0	190	195	185
30 December	190	216	166	12.0	15.4	7.6	198	215	185
31 December	186	215	157	8.7	18.2	2.8	191	198	170

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	0.019	mg/m ³	0.2	15/08/2017
Carbon Dioxide (Wet)	12.6	%	-	15/08/2017
Carbon Monoxide	14	ppm	-	15/08/2017
Chlorine	0.083	mg/m3	200	15/08/2017
Copper	0.0014	mg/m3	-	15/08/2017
Dry Gas Density	1.35	kg/m3	-	15/08/2017
Fluoride As HF - Total	8.7	mg/m3	50	15/08/2017
Hazardous Substances (Metals) - Total	0.030	mg/m3	1	15/08/2017
Hydrogen Chloride	2.6	mg/m3	100	15/08/2017
Mercury	<0.000096	mg/m3	0.2	15/08/2017
Moisture	5.3	%	-	15/08/2017
Particulates - Total	1.9	mg/m3	50	15/08/2017
Stack Gas Molecular Weight	30.3	kg/k-mole	-	15/08/2017
Temperature	107	degC	-	15/08/2017
Velocity	15	m/sec	-	15/08/2017
Volatile Organic Compounds (VOC) - Total	<0.08	ppm	-	15/08/2017
Volumetric Flow Rate (Dry At STP)	343	m3/sec	-	15/08/2017

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	Insolubles
E2	1.0	0.5	1.5
E4	1.0	0.4	1.4
E6	1.9	2.7	4.6
U6	1.3	1.5	2.8

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	25.30					
010cm	24.75	8.14	35.3	59.8	3.87	3.50
050cm	24.74	8.13	35.3	64.7	4.21	
100cm	24.72	8.13	35.3	65.1	4.29	
150cm	24.66	8.12	35.3	65.2	4.27	
200cm	24.61	8.12	35.4	69.2	4.53	
250cm	24.26	8.12	35.4	66.6	4.40	
Bottom	24.22	8.12	35.5	73.7	4.85	

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	27.00					
010cm	24.59	8.13	35.1	74.8	4.97	2.75
050cm	24.29	8.14	35.0	71.1	4.71	
100cm	24.23	8.14	35.0	66.2	4.38	
150cm	24.03	8.13	35.1	75.3	5.03	
200cm	23.89	8.13	35.0	74.5	4.98	
250cm	23.79	8.13	35.1	63.7	4.28	
300cm	23.75	8.14	35.2	59.6	3.91	
350cm	23.69	8.12	35.2	73.7	4.92	
400cm	23.71	8.12	35.2	67.6	4.51	
450cm	23.66	8.12	35.3	74.9	4.99	
500cm	23.47	8.10	35.3	65.0	4.32	
550cm	22.54	8.11	35.5	66.1	4.44	
600cm	22.41	8.11	35.6	72.9	4.92	
650cm	22.28	8.09	35.7	62.6	4.30	
Bottom	22.22	8.07	35.6	57.7	3.91	

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	22.30					
010cm	22.31	7.92	35.5	92.2	6.34	3.75
050cm	22.33	7.91	35.5	94.7	6.49	
100cm	22.30	7.91	35.8	98.5	6.73	
150cm	22.34	7.91	35.8	95.5	6.55	
200cm	22.33	7.91	35.8	99.8	6.84	
250cm	22.32	7.92	35.8	103.7	7.11	
300cm	22.32	7.92	35.8	104.4	7.16	
350cm	22.34	7.93	35.8	106.5	7.24	
400cm	22.32	7.93	35.8	113.2	7.75	
450cm	22.29	7.98	35.8	111.7	7.66	
500cm	22.32	7.99	35.9	115.3	7.87	
550cm	22.34	8.00	36.0	100.4	6.84	
600cm	22.34	8.03	36.0	102.3	6.98	
650cm	22.40	8.13	36.0	89.4	6.11	
700cm	22.39	8.20	36.0	80.0	5.47	
750cm	22.38	8.22	36.0	80.5	5.51	
800cm	22.35	8.24	36.0	78.2	5.34	
850cm	22.24	8.24	36.0	77.0	5.27	
Bottom	22.22	8.24	36.0	73.3	5.00	

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	24.70					
010cm	26.91	8.03	35.7	92.4	5.89	2.50
050cm	27.01	8.03	35.7	89.4	5.66	
100cm	27.01	8.04	35.7	83.8	5.33	
150cm	26.99	8.04	35.7	82.3	5.21	
200cm	26.84	8.04	35.7	80.9	5.13	
250cm	26.68	8.05	35.7	81.6	5.19	
300cm	26.22	8.06	35.6	73.9	4.74	
350cm	25.93	8.06	35.6	84.6	5.43	
400cm	25.03	8.06	35.6	75.4	4.94	
450cm	22.96	8.08	35.5	74.1	5.00	
500cm	22.86	8.08	35.6	66.7	4.45	
Bottom	22.77	8.08	35.6	72.0	4.91	

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>
Nitrite and Nitrate as N	2900	ug/L		06/12/2018
Phosphorus Reactive as P - Total	210	ug/L	-	06/12/2018
Phosphorus as P - Total	210	ug/L	-	06/12/2018
Suspended Solids (SS)	18	mg/L	-	06/12/2018

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	26.3	deg C	-	December 2018
Temperature – Minimum	21.5	deg C	-	December 2018
Temperature - Maximum	30.1	deg C	-	December 2018

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	32.8	deg C	37.5	December 2018
Temperature – Minimum	28.7	deg C	37.5	December 2018
Temperature - Maximum	37.0	deg C	37.5	December 2018

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	57	ug/L	-	06/12/2018
Phosphorus as P – Total	14	ug/L	-	06/12/2018

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	