



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

January 2020



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 January	142	162	123	11.4	14.2	10.0	271	327	212
2 January	149	166	124	12.5	14.7	10.6	264	327	238
3 January	152	182	116	12.7	14.6	10.1	245	293	215
4 January	170	214	116	14.9	29.3	10.7	214	268	194
5 January	149	213	122	10.7	13.2	9.1	193	210	175
6 January	162	195	133	12.9	16.3	10.6	255	285	200
7 January	158	191	116	13.8	17.7	10.6	232	253	192
8 January	171	197	126	13.1	19.1	10.8	242	267	221
9 January	134	166	117	11.4	14.3	10.6	232	264	193
10 January	133	145	119	12.3	13.3	10.6	262	288	235
11 January	121	133	106	10.6	12.1	10.1	196	233	181
12 January	133	156	121	10.6	11.1	10.1	248	279	171
13 January	140	184	119	11.0	13.2	10.1	234	289	211
14 January	133	158	114	11.7	13.9	10.3	217	232	186
15 January	132	157	107	12.0	14.5	10.4	216	230	189
16 January	133	177	101	12.5	16.6	10.8	236	264	207
17 January	130	152	110	13.2	17.7	10.8	218	247	198
18 January	141	156	119	12.2	15.5	10.9	218	246	175
19 January	138	160	117	11.5	15.0	10.3	252	278	213
20 January	137	158	104	11.7	13.4	10.3	260	283	212
21 January	138	163	104	12.4	14.5	11.0	250	281	229
22 January	133	157	116	12.3	14.1	11.0	232	258	200
23 January	168	193	112	11.9	13.1	9.4	255	282	227
24 January	160	182	126	12.5	13.6	11.5	257	287	224
25 January	145	163	130	13.3	15.6	11.0	258	294	210
26 January	145	188	116	12.7	15.7	11.1	251	286	222
27 January	146	175	110	12.3	14.7	11.1	287	306	258
28 January	157	179	116	13.1	16.2	11.5	260	280	217
29 January	157	174	115	12.9	14.6	11.0	267	298	223
30 January	153	175	104	12.6	14.6	10.5	344	436	244
31 January	161	182	120	13.6	16.7	11.3	301	366	226

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 January	130	153	102	16.8	19.1	14.4	281	328	220
2 January	143	176	113	16.1	19.1	14.0	269	323	234
3 January	139	153	104	14.7	18.2	12.1	245	279	228
4 January	144	171	112	18.0	35.8	10.6	189	259	169
5 January	119	157	101	16.6	18.8	13.1	192	251	168
6 January	135	150	112	16.7	20.3	14.6	253	270	233
7 January	146	174	110	15.0	18.7	12.0	226	245	202
8 January	147	179	113	14.8	17.2	13.1	224	241	195
9 January	118	127	106	16.2	21.3	14.0	213	249	189
10 January	118	126	102	13.9	17.6	11.4	241	269	211
11 January	109	143	88	16.2	18.1	13.5	204	220	176
12 January	114	129	107	17.0	18.1	15.1	255	278	205
13 January	126	162	102	16.2	19.6	13.9	220	279	191
14 January	135	154	112	15.9	18.3	13.7	209	217	197
15 January	138	162	105	14.9	18.3	12.0	206	213	193
16 January	154	187	115	15.7	18.7	12.7	201	226	159
17 January	144	167	120	15.9	18.6	12.5	213	235	186
18 January	123	142	104	15.7	18.6	13.3	204	253	183
19 January	120	136	107	16.6	19.1	13.5	233	270	180
20 January	118	130	104	16.5	20.4	13.9	245	259	237
21 January	124	140	115	14.1	17.7	12.0	224	240	207
22 January	126	146	105	14.6	17.2	11.4	204	224	180
23 January	181	227	123	13.3	18.1	10.0	211	235	188
24 January	183	201	144	14.3	16.1	12.9	218	276	161
25 January	130	176	108	14.0	18.3	11.0	208	248	169
26 January	120	138	103	13.0	16.1	10.9	212	235	188
27 January	126	143	107	14.2	18.0	11.3	255	279	223
28 January	145	173	107	13.6	17.5	11.2	209	237	186
29 January	153	182	104	15.8	19.5	13.9	229	258	198
30 January	144	169	102	14.6	19.1	12.4	267	381	146
31 January	131	157	104	14.1	17.8	11.1	251	337	164

Unit 3 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 13 - Air emissions monitoring, Boiler 3 stack discharge to air
SOX Unit out of service 15 January 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 January	151	187	118	13.7	18.9	9.6	309	340	282
2 January	167	200	122	11.7	14.2	10.1	282	319	265
3 January	158	184	130	13.4	17.9	10.6	245	280	212
4 January	143	178	115	16.0	25.0	10.4	218	276	185
5 January	143	187	123	15.0	19.0	11.8	213	254	158
6 January	154	190	108	13.2	18.5	10.8	281	309	266
7 January	156	196	117	14.0	18.6	10.9	258	280	234
8 January	164	188	124	12.0	14.5	10.2	265	280	245
9 January	132	155	122	13.0	14.3	11.3	268	303	229
10 January	151	186	123	13.9	18.3	10.6	294	322	265
11 January	143	164	124	13.5	14.8	11.7	250	264	221
12 January	143	158	121	14.5	15.8	12.7	322	352	257
13 January	152	191	136	14.0	18.3	10.6	287	349	250
14 January	145	149	137	12.6	15.8	10.0	247	262	219
15 January	183	224	130	12.1	14.8	10.1	-	-	-
16 January	180	215	139	12.7	16.3	10.5	259	296	235
17 January	162	191	130	13.4	17.2	10.9	252	276	218
18 January	171	199	119	13.3	16.2	11.6	259	278	239
19 January	163	177	120	16.0	17.7	11.6	303	339	237
20 January	156	186	122	17.5	21.3	15.0	307	333	281
21 January	157	187	110	13.4	16.6	9.9	274	295	259
22 January	167	195	112	13.2	16.1	9.3	263	284	235
23 January	173	210	120	17.2	25.6	11.6	288	301	258
24 January	183	211	154	12.6	16.2	10.3	292	327	256
25 January	178	228	127	13.6	20.6	10.9	244	306	187
26 January	190	235	141	14.5	18.7	11.3	288	312	240
27 January	161	192	126	13.7	16.3	10.4	317	333	275
28 January	172	204	126	13.2	19.9	9.8	281	315	267
29 January	164	185	124	11.4	14.5	9.9	282	308	255
30 January	165	191	132	12.3	14.4	10.3	353	477	216
31 January	170	195	133	15.6	24.3	8.9	327	399	242

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 January	200	237	164	13.2	15.2	11.7	324	378	253
2 January	202	219	177	11.9	12.7	11.1	335	371	286
3 January	189	226	157	11.6	12.7	10.1	311	365	266
4 January	183	219	165	12.4	14.7	10.1	246	356	193
5 January	188	245	155	13.8	15.7	11.1	228	270	201
6 January	194	230	140	13.0	15.2	11.6	300	325	271
7 January	202	260	160	12.2	14.5	10.3	273	300	244
8 January	220	256	188	11.7	13.4	10.2	278	297	254
9 January	196	232	177	12.8	13.8	11.8	283	312	244
10 January	219	246	187	12.3	13.9	10.3	312	340	281
11 January	198	235	166	12.3	13.3	10.3	259	285	226
12 January	214	235	197	13.6	14.4	12.4	335	371	265
13 January	216	247	185	13.6	14.7	12.6	301	358	262
14 January	209	242	174	12.6	16.5	10.7	274	286	263
15 January	219	258	178	11.7	13.8	9.6	267	287	237
16 January	207	244	187	11.5	13.1	10.0	269	303	235
17 January	211	251	189	12.8	14.7	11.9	274	296	237
18 January	240	260	212	13.8	15.0	12.1	266	311	218
19 January	243	271	208	14.2	14.8	12.1	322	372	220
20 January	228	271	197	14.4	16.4	13.2	326	359	292
21 January	214	238	194	12.4	13.8	10.7	293	315	266
22 January	219	244	180	12.6	14.3	11.2	278	296	251
23 January	243	312	196	15.7	27.8	11.1	290	319	256
24 January	236	280	210	11.8	12.9	10.8	300	380	248
25 January	244	271	207	11.4	12.9	10.3	295	345	246
26 January	237	260	220	12.0	13.6	10.2	295	319	278
27 January	211	232	191	14.7	26.0	11.3	344	361	305
28 January	213	236	194	12.3	14.0	11.4	299	330	277
29 January	211	252	167	14.3	20.4	11.0	310	353	262
30 January	217	241	187	13.6	15.9	12.6	391	566	263
31 January	226	242	196	13.5	15.3	11.5	336	445	257

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)	11.8	%	-	8/05/2019
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	1.33	kg/m ³	-	8/05/2019
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	6.5	%	-	8/05/2019
Particulates - Total	5.5	mg/m ³	50	8/05/2019
Stack Gas Molecular Weight	30.3	kg/k-mole	-	8/05/2019
Temperature	122	degC	-	8/05/2019
Velocity	15.5	m/sec	-	8/05/2019
Volatile Organic Compounds (VOC) - Total	0.025	ppm	-	20-21/08/2018
Volumetric Flow Rate (Dry At STP)	335	m ³ /sec	-	8/05/2019

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	2.2	0.5	2.7
E4	1.1	0.4	1.5
E6	1.1	0.6	1.7
U6	3.1	1.5	4.6

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	23.51					
010cm	25.63	8.46	37.0	66.5	4.27	1.25
050cm	25.69	8.45	37.0	68.9	4.45	
100cm	25.71	8.45	36.9	64.8	4.17	
150cm	25.72	8.44	37.0	63.6	4.05	
Bottom	25.65	8.44	37.0	51.8	3.35	

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	22.12					
010cm	24.92	8.40	36.8	132.1	8.50	1.75
050cm	25.51	8.41	36.7	118.2	7.64	
100cm	25.85	8.41	36.6	111.7	7.18	
150cm	25.71	8.42	36.6	110.0	7.10	
200cm	25.73	8.42	36.7	110.7	7.14	
250cm	25.78	8.42	36.7	113.2	7.30	
300cm	25.79	8.42	36.7	114.9	7.39	
350cm	25.80	8.41	36.7	119.3	7.68	
400cm	25.81	8.42	36.8	120.6	7.77	
450cm	25.86	8.42	36.8	123.5	7.94	
500cm	25.87	8.42	36.8	124.8	8.03	
550cm	25.88	8.42	36.8	125.8	8.10	
600cm	25.88	8.42	36.8	126.8	8.16	
650cm	25.84	8.42	36.8	127.3	8.12	
Bottom	25.82	8.42	36.8	128.5	8.09	

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	20.87					
010cm	24.38	8.34	36.6	86.4	5.68	1.75
050cm	24.47	8.33	36.6	82.5	5.43	
100cm	24.48	8.28	36.6	80.0	5.26	
150cm	24.50	8.26	36.5	79.8	5.25	
200cm	24.51	8.24	36.6	75.2	4.94	
250cm	24.53	8.26	36.5	76.8	5.05	
300cm	24.51	8.26	36.5	77.2	5.08	
350cm	24.51	8.27	36.5	75.5	4.97	
400cm	24.53	8.28	36.5	74.5	4.90	
450cm	24.53	8.28	36.5	74.2	4.89	
500cm	24.53	8.30	36.5	75.3	4.95	
550cm	24.53	8.30	36.5	74.9	4.93	
600cm	24.52	8.31	36.5	74.1	4.87	
650cm	24.54	8.31	36.5	73.7	4.85	
700cm	24.54	8.31	36.5	73.4	4.83	
750cm	24.54	8.35	36.5	70.1	4.70	
800cm	24.54	8.37	36.5	68.8	4.53	
850cm	24.55	8.35	36.5	68.7	4.52	
Bottom	24.56	8.35	36.5	66.6	4.40	

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	21.83					
010cm	28.23	8.43	37.3	86.6	5.35	1.13
050cm	28.29	8.43	37.2	85.7	5.29	
100cm	28.32	8.42	37.2	84.6	5.22	
150cm	28.33	8.42	37.2	83.1	5.14	
200cm	28.32	8.42	37.2	80.1	4.93	
250cm	28.28	8.41	37.1	82.8	5.09	
300cm	28.16	8.40	37.1	82.5	5.07	
350cm	27.81	8.39	37.1	84.4	5.24	
400cm	26.85	8.39	36.9	84.5	5.33	
450cm	26.52	8.40	36.9	78.1	4.97	
500cm	26.36	8.41	36.9	77.2	4.93	
550cm	26.28	8.41	36.8	75.4	4.82	
600cm	26.28	8.41	36.8	74.8	4.75	
Bottom	26.24	8.40	36.8	53.1	3.40	

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	<0.2	ug/L	-	9/01/2020
Copper	3	ug/L	-	9/01/2020
Iron	40	ug/L	-	9/01/2020
Lead	<0.2	ug/L	-	9/01/2020
Manganese	23.9	ug/L	-	9/01/2020
pH	8.73	pH	-	9/01/2020
Selenium	27	ug/L	-	9/01/2020
Total Suspended Solids	4	mg/L	-	9/01/2020
Zinc	<5	ug/L	-	9/01/2020
Nitrite and Nitrate as N	2510	ug/L	-	9/01/2020
Phosphorus Reactive as P - Total	1140	ug/L	-	9/01/2020
Phosphorus as P - Total	910	ug/L	-	9/01/2020

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	-	9/01/2020
Iron	134	ug/L	-	9/01/2020
Selenium	1	ug/L	-	9/01/2020
Temperature – Average	27.3	deg C	-	Jan 2020
Temperature – Minimum	24.9	deg C	-	Jan 2020
Temperature - Maximum	30.4	deg C	-	Jan 2020

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	1.8	ug/L	5	9/01/2020
Iron	<0.50	ug/L	300	9/01/2020
Selenium	1	ug/L	2	9/01/2020
Temperature – Average	33.7	deg C	37.5	Jan 2020
Temperature – Minimum	29.1	deg C	37.5	Jan 2020
Temperature - Maximum	36.9	deg C	37.5	Jan 2020
Maximum Daily Discharge from Ash Dam	12.47	ML	150	Jan 2020
Monthly Discharge from Ash Dam	200.0	ML	-	Jan 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	128	ug/L	-	9/01/2020
Phosphorus as P – Total	<1	ug/L	-	9/01/2020
Cadmium	<0.05	ug/L	-	9/01/2020
Copper	<0.5	ug/L	-	9/01/2020
Iron	5670	ug/L	-	9/01/2020
Lead	<0.1	ug/L	-	9/01/2020
Manganese	798	ug/L	-	9/01/2020
pH	6.99	ug/L	-	9/01/2020
Selenium	0.3	ug/L	-	9/01/2020
Zinc	11	ug/L	-	9/01/2020

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	