



Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

November 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 November	156	168	128	4.0	4.0	4.0	225	243	210
2 November	148	184	123	4.0	4.0	4.0	234	249	222
3 November	177	201	142	4.0	4.0	4.0	231	264	214
4 November	162	179	123	4.0	4.0	4.0	236	256	219
5 November	168	183	132	2.4	3.1	2.1	249	267	225
6 November	162	180	136	4.0	4.0	4.0	260	270	242
7 November	169	189	137	4.0	4.0	4.0	245	264	226
8 November	176	192	140	3.3	4.9	2.3	245	273	223
9 November	162	184	139	2.4	2.4	2.4	241	276	199
10 November	169	187	129	4.0	4.0	4.0	248	277	198
11 November	164	177	143	2.7	3.0	2.4	263	272	250
12 November	167	181	138	10.7	15.2	9.6	258	277	236
13 November	182	215	131	11.8	14.3	9.6	261	279	241
14 November	194	215	147	10.5	12.2	8.5	250	286	205
15 November	191	218	155	11.5	14.9	10.2	223	257	185
16 November	181	201	138	12.5	14.8	11.5	229	258	198
17 November	200	223	134	12.3	13.3	11.7	192	224	179
18 November	207	231	149	12.4	13.2	11.7	187	199	179
19 November	175	204	137	11.7	13.7	10.6	201	223	179
20 November	180	202	141	10.4	11.7	9.7	195	212	179
21 November	184	212	128	9.4	11.4	8.0	186	209	175
22 November	191	223	133	8.0	9.4	6.9	189	218	176
23 November	177	201	122	9.5	10.9	8.3	209	218	197
24 November	193	225	154	8.8	11.0	7.7	186	209	179
25 November	180	200	135	9.8	12.1	7.6	198	213	180
26 November	177	234	137	8.8	9.8	7.6	208	215	202
27 November	175	189	118	10.4	12.8	9.3	194	210	183
28 November	177	199	134	12.3	24.9	9.3	194	203	183
29 November	183	205	130	9.9	12.0	8.3	186	209	179
30 November	176	213	133	9.6	12.0	8.7	216	240	186

Unit 2 Boiler Continuous Emission Monitoring Summary

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

Unit out of service 1-24 November 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 November	-	-	-	-	-	-	-	-	-
2 November	-	-	-	-	-	-	-	-	-
3 November	-	-	-	-	-	-	-	-	-
4 November	-	-	-	-	-	-	-	-	-
5 November	-	-	-	-	-	-	-	-	-
6 November	-	-	-	-	-	-	-	-	-
7 November	-	-	-	-	-	-	-	-	-
8 November	-	-	-	-	-	-	-	-	-
9 November	-	-	-	-	-	-	-	-	-
10 November	-	-	-	-	-	-	-	-	-
11 November	-	-	-	-	-	-	-	-	-
12 November	-	-	-	-	-	-	-	-	-
13 November	-	-	-	-	-	-	-	-	-
14 November	-	-	-	-	-	-	-	-	-
15 November	-	-	-	-	-	-	-	-	-
16 November	-	-	-	-	-	-	-	-	-
17 November	-	-	-	-	-	-	-	-	-
18 November	-	-	-	-	-	-	-	-	-
19 November	-	-	-	-	-	-	-	-	-
20 November	-	-	-	-	-	-	-	-	-
21 November	-	-	-	-	-	-	-	-	-
22 November	-	-	-	-	-	-	-	-	-
23 November	-	-	-	-	-	-	-	-	-
24 November	-	-	-	-	-	-	-	-	-
25 November	135	136	134	6.9	6.9	6.9	166	167	165
26 November	133	174	114	5.7	9.1	4.8	176	212	118
27 November	135	165	119	3.4	4.8	2.7	171	190	156
28 November	129	158	118	14.1	15.6	13.5	168	179	137
29 November	122	135	110	14.6	15.9	13.7	152	186	131
30 November	127	182	116	16.3	20.4	14.6	158	171	139

Unit 3 Boiler Continuous Emission Monitoring Summary

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

Units out of service 15-18 November 2018 and 29-30 November 2018. SOX unit out service 28 November 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 November	168	189	133	8.6	10.9	7.7	207	231	172
2 November	159	187	114	8.4	9.7	7.2	214	233	184
3 November	159	180	132	8.5	9.7	7.7	203	232	162
4 November	153	185	110	9.3	10.2	8.6	205	236	186
5 November	151	172	112	9.0	10.7	7.6	208	243	189
6 November	141	160	110	8.5	9.7	7.0	233	248	207
7 November	162	191	137	8.9	9.7	8.2	226	244	202
8 November	174	195	122	10.3	14.1	8.7	195	208	180
9 November	162	187	128	11.1	12.4	9.8	219	246	182
10 November	181	207	121	12.1	14.3	10.1	204	222	185
11 November	172	205	150	13.3	15.5	9.8	220	237	202
12 November	162	178	113	9.7	12.9	8.8	226	243	205
13 November	156	174	119	9.3	10.8	8.7	240	268	220
14 November	129	154	103	12.3	18.4	8.9	209	226	190
15 November	-	-	-	-	-	-	-	-	-
16 November	-	-	-	-	-	-	-	-	-
17 November	-	-	-	-	-	-	-	-	-
18 November	-	-	-	-	-	-	-	-	-
19 November	120	130	109	14.3	15.9	11.7	177	187	167
20 November	156	175	113	10.5	11.1	10.1	196	227	181
21 November	134	176	100	9.8	13.8	8.9	171	196	149
22 November	153	203	119	9.7	13.6	8.8	172	194	159
23 November	158	181	127	9.3	10.3	8.7	189	201	177
24 November	165	194	136	9.6	11.3	9.2	167	190	157
25 November	152	178	129	9.8	10.8	9.2	190	212	169
26 November	145	159	119	10.0	11.7	9.1	192	206	177
27 November	147	168	124	10.2	11.1	9.1	177	196	160
28 November	142	167	120	11.6	19.7	9.9	-	-	-
29 November	-	-	-	-	-	-	-	-	-
30 November	-	-	-	-	-	-	-	-	-

Unit 4 Boiler Continuous Emission Monitoring Summary

*EPA Identification no. 14 - Air emissions monitoring, Boiler 4 stack discharge to air.
SOX Unit Out of Service 29 November 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 November	176	195	157	5.7	7.5	4.4	215	234	197
2 November	196	225	141	6.4	10.1	4.6	216	248	196
3 November	178	211	163	6.8	8.7	5.1	216	271	185
4 November	164	174	151	6.8	9.3	5.6	233	272	207
5 November	171	189	137	6.9	11.1	4.7	238	258	212
6 November	166	181	143	7.2	9.3	5.4	248	259	226
7 November	159	170	145	7.5	10.0	5.2	235	257	180
8 November	173	212	138	9.1	13.2	5.3	224	263	160
9 November	185	201	156	17.2	23.8	8.2	250	276	218
10 November	182	213	152	9.1	16.3	7.0	219	264	185
11 November	168	196	152	7.5	24.4	2.7	247	271	227
12 November	181	191	161	3.8	4.9	2.7	240	256	227
13 November	170	181	156	4.3	11.7	2.8	242	266	221
14 November	163	177	138	4.3	6.0	3.4	249	272	229
15 November	158	186	129	5.0	8.0	3.2	191	224	173
16 November	161	179	133	5.7	9.6	4.3	211	238	185
17 November	168	185	146	6.6	9.8	5.3	204	248	122
18 November	175	191	150	4.9	11.2	2.2	193	216	146
19 November	158	178	139	3.1	3.9	2.3	210	219	191
20 November	164	178	144	3.0	4.0	2.3	188	203	171
21 November	138	161	108	2.8	3.5	2.4	210	237	191
22 November	145	163	118	2.6	3.2	2.5	201	233	191
23 November	135	155	111	3.0	3.8	2.7	219	240	195
24 November	152	176	129	2.7	2.7	2.7	192	211	188
25 November	141	165	127	2.8	3.3	2.3	219	238	194
26 November	152	165	135	2.8	3.2	2.7	217	232	182
27 November	147	162	125	3.1	4.8	2.7	205	231	187
28 November	135	151	113	4.8	7.4	2.6	216	233	201
29 November	165	182	143	4.0	5.3	2.7	-	-	-
30 November	154	186	125	5.2	6.9	4.3	228	270	191

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	0.9	0.4	1.3
E4	0.6	0.4	1.0
E6	2.5	1.7	4.2
U6	0.7	0.5	1.2

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	27.02					
010cm	26.07	8.13	35.1	81.2	5.31	3.00
050cm	25.91	8.11	35.1	80.8	5.21	
100cm	25.87	8.11	35.2	77.5	5.08	
150cm	25.86	8.09	35.2	80.5	5.15	
200cm	25.83	8.09	35.2	80.8	5.24	
250cm	25.61	8.10	35.2	81.2	5.34	
Bottom	25.18	8.13	35.2	74.5	4.89	

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	25.20					
010cm	27.40	8.10	35.3	77.7	4.93	1.75
050cm	27.49	8.11	35.3	81.3	5.23	
100cm	25.31	8.09	35.6	83.9	5.45	
150cm	25.16	8.07	35.1	77.7	5.11	
200cm	24.89	8.07	35.1	71.3	4.80	
250cm	24.79	8.08	35.1	75.0	4.93	
300cm	24.75	8.07	35.1	77.6	4.99	
350cm	24.64	8.05	35.1	79.1	5.24	
400cm	24.61	8.05	35.1	75.3	4.98	
450cm	24.59	8.05	35.1	75.5	5.01	
500cm	24.58	8.04	35.1	74.6	4.96	
550cm	24.57	8.05	35.1	77.3	5.10	
600cm	24.53	8.03	35.1	71.8	4.73	
650cm	24.40	8.02	35.1	68.0	4.50	
700cm	23.29	7.99	35.1	64.4	4.36	
Bottom	22.98	8.06	35.2	52.6	3.57	

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	21.51					
010cm	22.55	8.07	35.3	76.9	5.39	3.75
050cm	22.60	8.03	35.4	83.4	5.71	
100cm	22.58	8.01	35.4	82.9	5.69	
150cm	22.56	8.01	35.4	84.1	5.79	
200cm	22.53	8.06	35.4	85.2	5.82	
250cm	22.52	8.08	35.5	84.5	5.76	
300cm	22.52	8.08	35.5	84.6	5.79	
350cm	22.53	8.09	35.5	85.9	5.87	
400cm	22.54	8.11	35.5	81.8	5.60	
450cm	22.55	8.12	35.5	83.2	5.72	
500cm	22.54	8.13	35.5	84.6	5.78	
550cm	22.53	8.14	35.5	83.2	5.72	
600cm	22.48	8.15	35.5	83.3	5.75	
650cm	22.29	8.15	35.5	83.2	5.70	
700cm	22.31	8.15	35.5	82.7	5.69	
750cm	22.10	8.15	35.5	80.6	5.57	
800cm	21.93	8.15	35.6	79.7	5.50	
850cm	21.60	8.15	35.6	79.4	5.53	
900cm	21.28	8.16	35.7	79.1	5.52	
950cm	21.12	8.17	35.7	80.5	5.67	
Bottom	20.89	8.18	35.8	55.5	3.91	

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	23.93					
010cm	27.99	7.99	35.5	82.7	5.18	2.75
050cm	28.30	7.99	35.4	91.4	5.72	
100cm	28.07	8.00	35.4	87.9	5.50	
150cm	27.74	8.01	35.4	87.6	5.52	
200cm	27.63	8.02	35.4	82.7	5.27	
250cm	27.51	8.02	35.4	89.4	5.69	
300cm	27.43	8.02	35.4	85.4	5.48	
350cm	24.95	8.04	35.1	83.5	5.40	
400cm	24.58	8.02	35.1	79.3	5.17	
450cm	24.33	8.02	35.2	78.1	5.18	
500cm	24.26	8.02	35.2	74.6	4.92	
550cm	24.19	8.00	35.2	71.1	4.73	
600cm	24.09	7.97	35.2	68.1	4.55	
Bottom	24.12	7.97	35.2	55.4	3.56	

Eraring Ash Dam Effluent Quality Monitoring

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

<u>Name</u>		<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	0.07	ug/L	-	01/11/2018
Copper	1.4	ug/L	-	01/11/2018
Iron	7	ug/L	-	01/11/2018
Lead	<0.1	ug/L	-	01/11/2018
Manganese	11.7	ug/L	-	01/11/2018
Nitrite and Nitrate as N	5110	ug/L	-	01/11/2018
Phosphorus Reactive as P - Total	277	ug/L	-	01/11/2018
Phosphorus as P - Total	290	ug/L	-	01/11/2018
Selenium	16.6	ug/L	-	01/11/2018
Suspended Solids (SS)	2	mg/L	-	01/11/2018
Zinc	1	ug/L	-	01/11/2018
pH	8.72		-	01/11/2018

Eraring Cooling Water Inlet Canal

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

<u>Name</u>		<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Copper	1.4	ug/L	-	01/11/2018
Iron	79	ug/L	-	01/11/2018
Selenium	3	ug/L	-	01/11/2018
Temperature – Average	24.0	deg C	-	November 2018
Temperature – Minimum	21.4	deg C	-	November 2018
Temperature - Maximum	27.0	deg C	-	November 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>
Copper	2.5	ug/L	5	01/11/2018
Iron	148	ug/L	300	01/11/2018
Selenium		ug/L	2	01/11/2018
Temperature – Average	31.0	deg C	37.5	November 2018
Temperature – Minimum	25.6	deg C	37.5	November 2018
Temperature - Maximum	34.8	deg C	37.5	November 2018
Maximum Daily Discharge from Ash Dam	48.50	ML	150	November 2018
Monthly Discharge from Ash Dam	396.8	ML	-	November 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	4	ug/L	-	01/11/2018
Phosphorus as P – Total	860	ug/L	-	01/11/2018
pH	6.77		-	01/11/2018

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	0.3	ug/L	8/06/2018
Cadmium	<0.05	ug/L	8/06/2018
Calcium	2000	ug/L	8/06/2018
Chromium	<0.2	ug/L	8/06/2018
Copper	1.6	ug/L	8/06/2018
Electrical Conductivity	0.379	mS/cm	8/06/2018
Iron	270	ug/L	8/06/2018
Lead	0.2	ug/L	8/06/2018
Magnesium	4000	ug/L	8/06/2018
Manganese	102	ug/L	8/06/2018
Nickel	4.3	ug/L	8/06/2018
pH	5.67	pH	8/06/2018
Potassium	4000	ug/L	8/06/2018
Selenium	<0.2	ug/L	8/06/2018
Standing Water Level	10.17	metres	8/06/2018
Zinc	35	ug/L	8/06/2018

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	7.2	ug/L	8/06/2018
Cadmium	<0.05	ug/L	8/06/2018
Calcium	327000	ug/L	8/06/2018
Chromium	0.8	ug/L	8/06/2018
Copper	<0.5	ug/L	8/06/2018
Electrical Conductivity	15.800	mS/cm	8/06/2018
Iron	5140	ug/L	8/06/2018
Lead	<0.1	ug/L	8/06/2018
Magnesium	216000	ug/L	8/06/2018
Manganese	1090	ug/L	8/06/2018
Nickel	1.9	ug/L	8/06/2018
pH	6.46	pH	8/06/2018
Potassium	109000	ug/L	8/06/2018
Selenium	0.2	ug/L	8/06/2018
Standing Water Level	4.24	metres	8/06/2018
Zinc	13	ug/L	8/06/2018

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	6.4	ug/L	8/06/2018
Cadmium	<0.05	ug/L	8/06/2018
Calcium	451000	ug/L	8/06/2018
Chromium	0.7	ug/L	8/06/2018
Copper	<0.5	ug/L	8/06/2018
Electrical Conductivity	21.300	mS/cm	8/06/2018
Iron	11900	ug/L	8/06/2018
Lead	<0.1	ug/L	8/06/2018
Magnesium	270000	ug/L	8/06/2018
Manganese	390	ug/L	8/06/2018
Nickel	0.8	ug/L	8/06/2018
pH	6.58	pH	8/06/2018
Potassium	124000	ug/L	8/06/2018
Selenium	0.4	ug/L	8/06/2018
Standing Water Level	1.645	metres	8/06/2018
Zinc	2	ug/L	8/06/2018

EPA Identification no. 24 – Groundwater Monitoring Well D26

Groundwater well was dry during sampling in June 2018

Name	Reading	Units	Date
Arsenic		ug/L	8/06/2018
Cadmium		ug/L	8/06/2018
Calcium		ug/L	8/06/2018
Chromium		ug/L	8/06/2018
Copper		ug/L	8/06/2018
Electrical Conductivity		mS/cm	8/06/2018
Iron		ug/L	8/06/2018
Lead		ug/L	8/06/2018
Magnesium		ug/L	8/06/2018
Manganese		ug/L	8/06/2018
Nickel		ug/L	8/06/2018
pH		pH	8/06/2018
Potassium		ug/L	8/06/2018
Selenium		ug/L	8/06/2018
Standing Water Level		metres	8/06/2018
Zinc		ug/L	8/06/2018