Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

December 2017

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	148	158	125	15.6	22.6	13.9	230	266	206
2 December	147	165	125	16.6	26.4	12.4	183	215	158
3 December	155	186	120	15.3	20.4	12.4	159	181	140
4 December	158	178	130	16.7	20.2	13.9	154	162	142
5 December	154	172	124	10.3	18.4	8.1	160	169	150
6 December	158	175	131	8.1	13.6	6.2	158	172	152
7 December	161	182	135	7.5	17.7	5.2	168	183	153
8 December	162	174	136	7.5	11.5	6.3	166	176	157
9 December	163	201	122	7.1	12.5	6.1	169	215	142
10 December	158	201	129	7.7	15.6	2.9	172	201	134
11 December	167	195	130	6.4	15.8	2.6	159	169	143
12 December	162	183	118	5.9	10.9	3.6	156	185	128
13 December	168	185	130	6.8	10.5	3.3	165	191	146
14 December	157	182	132	7.6	15.3	2.8	169	190	150
15 December	155	177	119	7.4	14.7	3.7	166	214	139
16 December	157	185	130	7.1	13.7	4.3	168	217	138
17 December	157	186	119	11.5	19.7	4.1	152	160	135
18 December	159	188	133	10.4	17.4	3.9	168	183	143
19 December	142	169	115	10.1	18.6	5.2	166	172	160
20 December	160	186	122	9.2	14.1	4.6	193	204	173
21 December	166	201	107	13.8	17.1	10.8	177	205	152
22 December	176	210	115	10.1	14.7	7.5	184	212	164
23 December	144	191	114	12.2	18.0	7.7	172	198	163
24 December	166	224	103	8.7	14.0	4.7	180	212	160
25 December	149	200	116	10.4	14.1	7.4	190	213	165
26 December	130	149	103	12.6	19.9	8.1	171	192	108
27 December	171	211	106	8.8	12.9	7.1	175	202	158
28 December	156	198	112	11.7	15.0	9.0	184	213	160
29 December	168	205	110	6.9	12.5	4.5	171	189	153
30 December	144	165	123	13.2	20.3	7.8	169	178	153
31 December	148	177	124	11.4	15.9	7.3	170	185	153

Unit 2 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 2 stack discharge to air
Unit out of service 1st -8th December 2017

	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	-	-	-	-	-	-	-	-	-
3 December	-	-	-	-	-	-	-	-	-
4 December	-	-	-	-	-	-	-	-	-
5 December	-	-	-	-	-	-	-	-	-
6 December	-	-	-	-	-	-	-	-	-
7 December	-	-	-	-	-	-	-	-	-
8 December	-	-	-	-	-	-	-	-	-
9 December	118	120	114	16.3	21.3	14.2	235	241	223
10 December	125	143	111	17.7	20.3	14.7	191	239	161
11 December	151	176	109	14.2	17.6	12.0	197	214	185
12 December	154	172	125	14.7	22.2	11.8	169	191	154
13 December	151	188	109	12.7	22.5	6.1	186	204	171
14 December	148	161	124	10.7	16.0	7.7	193	220	176
15 December	153	181	127	11.8	15.9	8.6	186	214	162
16 December	158	181	119	11.0	16.8	8.0	191	226	171
17 December	150	194	108	11.4	18.4	8.1	174	183	163
18 December	144	168	113	12.4	17.9	8.0	184	208	151
19 December	162	196	116	12.0	17.4	7.1	211	219	194
20 December	168	195	140	10.4	14.2	7.7	232	252	201
21 December	163	183	107	12.4	17.2	10.4	216	246	192
22 December	166	195	129	12.5	17.7	9.5	221	257	186
23 December	157	189	111	13.7	17.8	11.1	205	217	191
24 December	168	205	117	12.7	16.8	8.2	225	234	196
25 December	140	165	118	14.9	17.5	11.7	237	256	213
26 December	157	193	111	14.2	19.1	10.7	220	230	203
27 December	159	180	120	12.8	16.9	11.1	208	221	195
28 December	138	156	114	11.8	15.7	9.6	219	235	206
29 December	151	183	102	11.0	15.3	8.2	208	220	151
30 December	157	196	119	12.5	16.4	8.6	209	218	193
31 December	173	234	133	14.8	17.4	11.7	205	238	184

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 December	118	123	108	16.2	21.6	13.1	275	284	250
2 December	132	147	126	21.1	43.1	15.3	206	253	184
3 December	133	148	118	18.8	23.0	14.1	181	194	160
4 December	116	123	112	15.2	19.2	13.6	186	193	177
5 December	112	120	100	14.5	16.6	13.1	183	193	164
6 December	114	121	108	13.9	15.2	13.1	173	188	168
7 December	115	131	109	15.8	19.3	13.7	185	197	172
8 December	140	182	105	15.9	25.2	11.8	196	216	166
9 December	167	194	134	13.7	15.5	11.9	189	220	171
10 December	158	176	133	14.4	18.7	12.1	199	239	151
11 December	166	191	131	14.0	18.3	11.6	185	193	171
12 December	154	169	128	14.7	16.2	12.6	194	216	179
13 December	163	188	117	12.1	15.1	8.3	201	231	169
14 December	175	217	133	12.2	15.1	9.9	208	237	173
15 December	184	216	119	11.6	14.5	8.7	200	221	179
16 December	187	217	121	11.8	16.5	8.3	215	251	185
17 December	167	210	106	12.8	14.5	10.9	190	199	182
18 December	176	205	117	11.2	15.0	8.8	207	221	189
19 December	171	202	112	11.2	15.5	8.8	203	212	186
20 December	178	195	140	11.3	15.9	7.9	232	245	215
21 December	175	211	110	14.7	17.4	13.3	213	236	190
22 December	181	213	135	13.7	15.3	12.2	217	256	191
23 December	140	187	113	13.1	17.9	10.7	202	221	185
24 December	136	169	106	12.0	14.7	9.6	220	235	177
25 December	129	152	111	12.9	19.5	11.1	220	240	175
26 December	153	204	109	12.9	16.2	11.2	208	220	198
27 December	146	170	109	11.9	13.2	11.1	205	225	120
28 December	169	203	116	11.7	15.8	9.6	219	225	211
29 December	178	202	127	10.9	16.3	8.5	210	223	193
30 December	145	171	110	11.2	14.2	7.5	209	220	194
31 December	139	174	109	11.5	13.2	10.7	196	208	182

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 9th -12th December 2017

	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	165	186	137	14.2	16.6	13.1	216	319	143
2 December	169	211	141	15.4	21.6	13.0	197	281	123
3 December	186	227	143	13.9	16.2	12.7	198	221	181
4 December	185	213	143	14.9	18.3	12.6	191	219	160
5 December	174	207	140	14.3	16.3	13.0	195	213	140
6 December	171	189	144	14.0	15.5	12.0	200	215	186
7 December	178	197	139	13.5	15.5	10.8	207	220	191
8 December	184	211	165	13.0	13.7	12.2	208	222	196
9 December	192	230	162	13.1	14.8	11.7	-	-	-
10 December	196	239	175	13.7	15.8	12.8	-	-	-
11 December	186	219	155	13.7	15.5	12.3	-	-	-
12 December	155	178	146	13.7	14.4	13.4	-	-	-
13 December	179	194	164	11.2	13.9	8.6	200	206	194
14 December	166	183	140	12.0	17.0	8.6	215	237	194
15 December	175	189	162	11.6	13.8	8.0	201	239	104
16 December	183	216	142	11.7	15.3	8.4	212	249	190
17 December	148	163	123	13.5	15.2	12.1	187	199	169
18 December	174	210	133	11.4	14.3	8.1	211	230	193
19 December	175	196	139	10.4	14.4	8.0	206	227	191
20 December	168	187	130	15.0	18.9	10.3	239	251	224
21 December	144	161	132	23.7	25.4	23.4	228	266	190
22 December	142	150	133	24.0	26.5	22.4	223	260	203
23 December	152	174	142	23.2	26.5	20.3	224	260	198
24 December	146	162	129	12.4	14.1	9.4	220	239	157
25 December	151	180	126	13.7	14.6	13.1	223	273	184
26 December	170	182	161	14.1	14.6	13.1	222	236	210
27 December	181	204	150	25.1	26.2	24.2	233	254	211
28 December	186	208	156	12.5	15.4	9.6	242	269	208
29 December	179	192	155	12.8	16.3	10.0	218	237	204
30 December	178	212	154	26.6	32.8	19.6	217	234	203
31 December	181	220	147	12.7	17.6	12.1	216	230	200

Unit 1 Boiler Emission Test Results

EPA Identification no. 11 - Air emissions monitoring, Boiler 1 stack discharge to air

Name	Reading	Units	Licence Limit	Date
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/m^3	200	15/08/2017
Copper	0.0014	mg/m^3	-	15/08/2017
Dry Gas Density	1.35	kg/m^3	-	15/08/2017
Fluoride As HF - Total	8.7	mg/m^3	50	15/08/2017
Hazardous Substances (Metals) - Total	0.030	mg/m^3	1	15/08/2017
Hydrogen Chloride	2.6	mg/m^3	100	15/08/2017
Mercury	<0.000096	mg/m^3	0.2	15/08/2017
Moisture	5.3	%	-	15/08/2017
Particulates - Total	1.9	mg/m^3	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	m^3/sec	-	15/08/2017

Unit 2 Boiler Emission Test Results

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

Name	Reading	Units	Licence Limit	Date
Cadmium	0.0050	mg/m^3	0.2	20/12/2016
Carbon Dioxide (Wet)	11.9	%	-	20/12/2016
Carbon Monoxide	3	ppm	-	20/12/2016
Chlorine	0.61	mg/m^3	200	20/12/2016
Copper	0.0020	mg/m^3	-	20/12/2016
Dry Gas Density	1.4	kg/m^3	-	20/12/2016
Fluoride As HF - Total	7.5	mg/m^3	50	20/12/2016
Hazardous Substances (Metals) - Total	0.009	mg/m^3	1	20/12/2016
Hydrogen Chloride	0.23	mg/m^3	100	20/12/2016
Mercury	0.0003	mg/m^3	0.2	20/12/2016
Moisture	4.0	%	-	20/12/2016
Particulates - Total	15	mg/m^3	50	20/12/2016
Stack Gas Molecular Weight	30	kg/k-mole	-	20/12/2016
Temperature	110	degC	-	20/12/2016
Velocity	12.0	m/sec	-	20/12/2016
Volatile Organic Compounds (VOC) - Total	0.07	ppm	-	20/12/2016
Volumetric Flow Rate (Dry At STP)	299	m^3/sec	-	20/12/2016

Unit 3 Boiler Emission Test Results

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

Name	Reading	Units	Licence Limit	Date
Cadmium	0.0040	mg/m^3	0.2	02/05/2017
Carbon Dioxide (Wet)	13.1	%	-	02/05/2017
Carbon Monoxide	12	ppm	-	02/05/2017
Chlorine	0.037	mg/m^3	200	02/05/2017
Copper	0.0015	mg/m^3	-	02/05/2017
Dry Gas Density	1.4	kg/m^3	-	02/05/2017
Fluoride As HF - Total	13	mg/m^3	50	02/05/2017
Hazardous Substances (Metals) - Total	0.009	mg/m^3	1	02/05/2017
Hydrogen Chloride	4.0	mg/m^3	100	02/05/2017
Mercury	0.00010	mg/m^3	0.2	02/05/2017
Moisture	5.8	%	-	02/05/2017
Particulates - Total	0.07	mg/m^3	50	02/05/2017
Stack Gas Molecular Weight	30	kg/k-mole	-	02/05/2017
Temperature	118	degC	-	02/05/2017
Velocity	16.0	m/sec	-	02/05/2017
Volatile Organic Compounds (VOC) - Total	0.08	ppm	-	02/05/2017
Volumetric Flow Rate (Dry At STP)	396	m^3/sec	-	02/05/2017

Unit 4 Boiler Emission Test Results

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

Name	Reading	Units	Licence Limit	Date
Cadmium	0.0028	mg/m^3	0.2	24-25/10/2017
Carbon Dioxide (Wet)	12.3	%	-	24-25/10/2017
Carbon Monoxide	10	ppm	-	24-25/10/2017
Chlorine	0.051	mg/m^3	200	24-25/10/2017
Copper	0.00055	mg/m^3	-	24-25/10/2017
Dry Gas Density	1.36	kg/m^3	-	24-25/10/2017
Fluoride As HF - Total	5.8	mg/m^3	50	24-25/10/2017
Hazardous Substances (Metals) - Total	0.0075	mg/m^3	1	24-25/10/2017
Hydrogen Chloride	1.8	mg/m^3	100	24-25/10/2017
Mercury	0.000091	mg/m^3	0.2	24-25/10/2017
Moisture	5.1	%	-	24-25/10/2017
Particulates - Total	1.2	mg/m^3	50	24-25/10/2017
Stack Gas Molecular Weight	30.4	kg/k-mole	-	24-25/10/2017
Temperature	121	degC	-	24-25/10/2017
Velocity	15.5	m/sec	-	24-25/10/2017
Volatile Organic Compounds (VOC) - Total	<0.07	ppm	-	24-25/10/2017
Volumetric Flow Rate (Dry At STP)	376	m^3/sec	-	25-25/10/2017

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	0.3	0.1	0.4
E4	0.4	0.1	0.5
E6	0.5	0.5	1.0
U6	0.3	<0.1	0.3

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	22.03					
010cm	25.99	8.26	35.7	115.9	7.47	1.75
050cm	26.15	8.17	35.7	117.0	7.52	
100cm	26.18	8.12	35.7	122.8	7.92	
150cm	26.20	8.11	35.7	128.6	8.28	
200cm	26.21	8.12	35.7	133.1	8.57	
250cm	26.23	8.13	35.7	139.4	8.99	
Bottom	26.21	8.18	35.7	142.8	9.19	

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	21.83					
010cm	26.11	8.30	28.1	120.2	7.73	2.25
050cm	26.21	8.22	36.0	120.5	7.77	
100cm	26.22	8.20	36.0	124.4	8.00	
150cm	26.24	8.16	36.0	130.9	8.44	
200cm	26.25	8.16	35.9	136.9	8.80	
250cm	26.25	8.17	35.9	142.2	9.04	
300cm	26.24	8.17	35.9	146.2	9.44	
350cm	26.23	8.18	35.9	152.1	9.79	
400cm	26.22	8.18	35.9	157.6	10.12	
450cm	26.27	8.20	35.9	159.6	10.28	
500cm	26.27	8.17	35.8	168.1	10.46	
550cm	26.27	8.17	35.9	166.1	10.51	
600cm	26.27	8.17	35.9	164.2	10.56	
Bottom	26.25	8.17	35.9	169.2	10.87	

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	20.92					
010cm	23.56	7.43	34.4	110.3	7.48	2.25
050cm	23.61	7.56	34.6	114.5	7.76	
100cm	23.62	7.76	34.6	123.8	8.38	
150cm	23.62	7.80	34.6	129.5	8.76	
200cm	23.62	7.86	34.6	135.0	9.10	
250cm	23.62	7.91	34.7	139.7	9.46	
300cm	23.62	7.95	34.7	145.7	9.82	
350cm	23.63	7.98	34.7	153.8	10.41	
400cm	23.62	7.99	34.7	158.6	10.77	
450cm	23.63	8.00	34.7	166.2	11.24	
500cm	23.62	8.01	34.7	168.7	11.33	
550cm	23.62	8.03	34.7	172.9	11.69	
600cm	23.61	8.04	34.7	177.1	11.99	
650cm	23.58	8.06	34.7	180.7	12.17	
700cm	23.57	8.06	34.7	186.1	12.59	
750cm	23.47	8.06	34.7	193.6	13.11	
800cm	22.71	8.08	34.7	196.0	13.33	
850cm	22.02	8.08	34.7	204.5	14.19	
900cm	21.22	8.09	34.6	206.8	14.47	
950cm	20.86	8.08	34.6	214.7	15.21	
Bottom	20.97	8.12	34.6	206.6	14.61	

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	23.70					
010cm	27.64	7.80	35.2	117.8	7.45	1.75
050cm	27.84	8.12	35.7	127.4	8.60	
100cm	27.85	8.09	35.7	120.0	7.55	
150cm	27.85	8.11	35.7	124.5	7.84	
200cm	27.82	8.12	35.7	127.6	8.03	
250cm	27.81	8.13	35.7	135.6	8.53	
300cm	27.79	8.14	35.6	140.5	8.84	
350cm	27.78	8.15	35.6	147.1	9.24	
400cm	27.73	8.15	35.6	153.4	9.69	
450cm	27.75	8.15	35.6	161.9	10.21	
500cm	27.61	8.15	35.6	167.7	10.61	
Bottom	27.53	8.15	35.6	169.7	10.71	

Eraring Ash Dam Effluent Quality Monitoring

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

Name		Units	Licence Limit	Date
Cadmium	0.06	ug/L	-	07/12/2017
Copper	1.4	ug/L	-	07/12/2017
Iron	<2	ug/L	-	07/12/2017
Lead	<0.1	ug/L	-	07/12/2017
Manganese	3.3	ug/L	-	07/12/2017
Nitrite and Nitrate as N	2580	ug/L	-	07/12/2017
Phosphorus Reactive as P - Total	791	ug/L	-	07/12/2017
Phosphorus as P - Total	812	ug/L	-	07/12/2017
Selenium	11.4	ug/L	-	07/12/2017
Suspended Solids (SS)	<1000	ug/L	-	07/12/2017
Zinc	1	ug/L	-	07/12/2017
pH	8.56		-	07/12/2017

Eraring Cooling Water Inlet Canal

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

Name		Units	Licence Limit	Date
Copper	0.9	ug/L	-	07/12/2017
Iron	8	ug/L	-	07/12/2017
Selenium	1	ug/L	-	07/12/2017
Temperature – Average	27.2	deg C	-	Dec 2017
Temperature – Minimum	21.4	deg C	-	Dec 2017
Temperature - Maximum	30.0	deg C	-	Dec 2017

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	2.3	ug/L	5	07/12/2017
Iron	14	ug/L	300	07/12/2017
Selenium	1	ug/L	2	07/12/2017
Temperature – Average	33.5	deg C	37.5	Dec 2017
Temperature – Minimum	29.1	deg C	37.5	Dec 2017
Temperature - Maximum	36.7	deg C	37.5	Dec 2017
Maximum Daily Discharge from Ash Dam	8.59	ML	150	Dec 2017
Monthly Discharge from Ash Dam	62.6	ML	-	Dec 2017

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	257	ug/L	-	07/12/2017
Phosphorus as P – Total	52	ug/L	-	07/12/2017
pH	6.98		-	07/12/2017

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	<0.2	ug/L	13/12/2017
Cadmium	<0.05	ug/L	13/12/2017
Calcium	<1000	ug/L	13/12/2017
Chromium	<0.2	ug/L	13/12/2017
Copper	<0.5	ug/L	13/12/2017
Electrical Conductivity	0.333	mS/cm	13/12/2017
Iron	16	ug/L	13/12/2017
Lead	0.4	ug/L	13/12/2017
Magnesium	4000	ug/L	13/12/2017
Manganese	53.6	ug/L	13/12/2017
Nickel	3.5	ug/L	13/12/2017
pH	4.98	pH	13/12/2017
Potassium	3000	ug/L	13/12/2017
Selenium	<0.2	ug/L	13/12/2017
Standing Water Level	9.550	ug/L	13/12/2017
Zinc	49	ug/L	13/12/2017

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	16.3	ug/L	13/12/2017
Cadmium	<0.05	ug/L	13/12/2017
Calcium	337000	ug/L	13/12/2017
Chromium	1.7	ug/L	13/12/2017
Copper	<0.5	ug/L	13/12/2017
Electrical Conductivity	15.600	mS/cm	13/12/2017
Iron	10100	ug/L	13/12/2017
Lead	<0.1	ug/L	13/12/2017
Magnesium	207000	ug/L	13/12/2017
Manganese	1130	ug/L	13/12/2017
Nickel	2.9	ug/L	13/12/2017
pH	6.46	pH	13/12/2017
Potassium	117000	ug/L	13/12/2017
Selenium	0.3	ug/L	13/12/2017
Standing Water Level	4.240	ug/L	13/12/2017
Zinc	13	ug/L	13/12/2017

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	5.0	ug/L	13/12/2017
Cadmium	<0.20	ug/L	13/12/2017
Calcium	440000	ug/L	13/12/2017
Chromium	0.6	ug/L	13/12/2017
Copper	<1.0	ug/L	13/12/2017
Electrical Conductivity	20.700	mS/cm	13/12/2017
Iron	17900	ug/L	13/12/2017
Lead	<0.2	ug/L	13/12/2017
Magnesium	280000	ug/L	13/12/2017
Manganese	512	ug/L	13/12/2017
Nickel	0.8	ug/L	13/12/2017
pH	6.66	pH	13/12/2017
Potassium	152000	ug/L	13/12/2017
Selenium	<2.0	ug/L	13/12/2017
Standing Water Level	1.935	ug/L	13/12/2017
Zinc	<5	ug/L	13/12/2017

Groundwater Well – MW D26

EPA Identification no. 24 – Groundwater Monitoring Well D26

Groundwater well was dry during sampling in December 2017

Name	Reading	Units	Date
Arsenic		ug/L	13/12/2017
Cadmium		ug/L	13/12/2017
Calcium		ug/L	13/12/2017
Chromium		ug/L	13/12/2017
Copper		ug/L	13/12/2017
Electrical Conductivity		mS/cm	13/12/2017
Iron		ug/L	13/12/2017
Lead		ug/L	13/12/2017
Magnesium		ug/L	13/12/2017
Manganese		ug/L	13/12/2017
Nickel		ug/L	13/12/2017
pH		pH	13/12/2017
Potassium		ug/L	13/12/2017
Selenium		ug/L	13/12/2017
Standing Water Level		ug/L	13/12/2017
Zinc		ug/L	13/12/2017