Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

March 2018

Unit 1 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 11 - Air emissions monitoring, Boiler 1 stack discharge to air
Unit out of service 17-31 March 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 March	153	183	118	18.9	26.3	16.9	187	203	163
2 March	158	183	114	19.6	26.7	16.8	182	191	161
3 March	129	194	109	23.5	27.3	17.0	169	186	151
4 March	171	204	115	21.2	26.1	16.7	176	191	163
5 March	160	174	118	20.3	23.7	16.3	170	176	160
6 March	163	192	114	23.1	28.4	20.6	170	173	163
7 March	172	210	124	23.9	27.4	21.7	184	189	166
8 March	168	194	139	23.9	29.8	22.0	189	195	178
9 March	161	177	125	23.7	29.0	21.2	189	198	181
10 March	159	186	120	23.7	30.7	19.6	195	210	176
11 March	170	202	134	20.8	27.0	18.7	192	199	186
12 March	165	189	130	22.4	28.7	20.0	190	199	181
13 March	159	181	125	22.7	28.0	20.7	195	225	172
14 March	163	200	131	23.5	31.2	20.7	183	204	164
15 March	140	166	100	22.5	28.0	19.2	184	194	158
16 March	147	147	147	26.6	26.6	26.6	137	137	137
17 March	-	-	-	-	-	-	-	-	-
18 March	-	-	-	-	-	-	-	-	-
19 March	-	-	-	-	-	-	-	-	-
20 March	-	-	-	-	-	-	-	-	-
21 March	-	-	-	-	-	-	-	-	-
22 March	-	-	-	-	-	-	-	-	-
23 March	-	-	-	-	-	-	-	-	-
24 March	-	-	-	-	-	-	-	-	-
25 March	-	-	-	-	-	-	-	-	-
26 March	-	-	-	-	-	-	-	-	-
27 March	-	-	-	-	-	-	-	-	-
28 March	-	-	-	-	-	-	-	-	-
29 March	-	-	-	-	-	-	-	-	-
30 March	-	-	-	-	-	-	-	-	-
31 March	-	-	-	-	-	-	-	-	-

Unit 2 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 2 stack discharge to air
Unit out of service 5-10 March 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 March	168	195	133	10.9	15.9	9.4	238	255	209
2 March	185	217	129	9.8	13.8	7.0	225	239	211
3 March	176	203	120	11.3	14.9	7.5	227	248	196
4 March	164	201	125	11.1	16.2	6.1	206	213	201
5 March	-	-	-	-	-	-	-	-	-
6 March	-	-	-	-	-	-	-	-	-
7 March	-	-	-	-	-	-	-	-	-
8 March	-	-	-	-	-	-	-	-	-
9 March	-	-	-	-	-	-	-	-	-
10 March	-	-	-	-	-	-	-	-	-
11 March	117	139	110	9.5	10.7	8.7	198	206	185
12 March	111	118	102	12.0	15.1	9.7	233	253	194
13 March	110	114	102	13.4	15.0	12.4	250	268	223
14 March	106	112	102	13.1	15.4	10.8	243	262	234
15 March	114	151	106	12.4	16.7	9.2	236	249	210
16 March	199	232	176	12.9	15.4	9.2	217	241	180
17 March	183	224	117	13.4	16.2	9.1	214	222	184
18 March	180	215	142	14.6	18.2	11.9	203	212	180
19 March	167	191	127	15.4	18.6	13.1	203	230	171
20 March	184	215	122	15.4	20.2	12.8	238	264	215
21 March	176	200	128	20.5	24.7	16.1	230	241	215
22 March	167	191	132	18.7	20.7	17.1	223	239	198
23 March	160	185	135	18.2	23.6	15.6	242	268	207
24 March	141	167	124	15.9	18.6	12.9	222	232	202
25 March	193	265	128	14.8	19.2	12.8	260	276	234
26 March	172	224	125	14.0	18.4	11.2	281	301	245
27 March	192	217	142	18.1	21.2	15.1	268	297	248
28 March	190	231	143	17.0	22.2	14.2	249	269	217
29 March	191	221	138	17.3	21.6	13.8	282	330	235
30 March	165	213	120	15.7	19.6	12.9	262	281	224
31 March	196	233	137	16.7	18.5	15.4	243	265	212

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 March	155	168	127	14.9	17.3	13.0	243	256	231
2 March	185	218	120	13.2	18.0	8.1	224	235	211
3 March	174	221	116	15.3	17.4	12.1	220	238	197
4 March	200	227	124	14.1	16.6	11.8	206	217	196
5 March	180	205	124	14.3	16.3	11.5	212	215	200
6 March	178	202	138	16.5	20.9	12.7	213	218	206
7 March	155	186	127	15.9	20.9	13.1	227	237	212
8 March	163	183	120	16.5	19.0	12.5	236	241	230
9 March	165	182	120	17.2	19.7	14.2	230	242	223
10 March	161	197	126	16.9	19.6	13.3	237	249	219
11 March	161	189	120	17.7	21.8	12.9	237	245	230
12 March	149	176	115	20.3	25.2	13.4	237	242	230
13 March	150	164	123	23.7	31.1	15.8	233	253	208
14 March	173	196	114	17.3	36.9	8.0	230	245	224
15 March	155	183	112	8.8	11.8	7.1	226	241	208
16 March	166	189	107	8.4	10.2	7.6	220	226	215
17 March	125	173	102	9.0	9.7	7.7	212	220	200
18 March	170	204	120	9.4	11.9	8.2	202	219	186
19 March	145	180	106	8.4	9.8	7.8	200	217	186
20 March	164	188	108	8.9	10.9	7.8	229	257	211
21 March	162	180	106	11.4	18.1	9.3	238	248	224
22 March	162	182	108	11.5	14.1	8.9	233	244	219
23 March	158	190	109	10.6	12.5	8.9	243	269	209
24 March	156	184	115	10.5	13.1	8.9	214	235	197
25 March	147	196	105	11.4	15.2	9.5	243	266	210
26 March	147	189	100	11.1	13.7	9.1	272	298	221
27 March	157	179	126	11.1	14.4	9.5	261	286	224
28 March	167	193	123	10.3	13.3	9.2	241	254	232
29 March	154	175	107	10.4	12.8	9.6	274	300	246
30 March	153	193	126	11.3	13.0	9.8	256	267	244
31 March	168	212	111	10.9	12.9	9.3	232	258	217

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 22 March 2018
Unit out of Service 30-31 March 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 March	164	179	138	15.2	16.1	14.1	235	249	217
2 March	169	187	126	19.1	33.8	12.5	228	239	220
3 March	170	187	139	14.0	16.7	12.0	224	239	210
4 March	182	201	142	14.5	18.3	11.0	213	232	194
5 March	177	192	149	14.8	16.3	12.2	214	219	207
6 March	153	195	124	15.7	19.4	14.2	185	211	121
7 March	168	181	139	15.0	17.3	14.2	212	225	189
8 March	165	181	135	15.4	18.3	13.7	228	236	214
9 March	169	186	141	15.4	17.2	14.1	224	241	216
10 March	167	185	128	15.1	17.8	13.1	233	246	220
11 March	156	171	130	15.3	18.9	12.6	228	232	225
12 March	175	198	136	15.3	19.7	12.4	230	234	224
13 March	165	190	128	15.6	16.9	13.7	233	262	211
14 March	136	148	126	15.4	19.4	13.6	222	255	201
15 March	146	166	123	13.7	17.3	9.8	228	244	213
16 March	168	200	126	14.6	16.5	11.9	211	227	196
17 March	160	176	143	14.2	16.1	10.8	211	231	197
18 March	161	183	130	13.2	16.4	10.1	196	213	184
19 March	161	182	144	13.3	15.8	10.1	208	227	184
20 March	161	185	128	15.0	16.8	12.6	228	264	142
21 March	165	186	134	16.1	19.4	14.8	225	233	216
22 March	161	179	132	16.5	18.4	15.7	-	-	-
23 March	162	188	129	16.1	17.9	14.7	249	275	221
24 March	165	187	142	16.1	21.5	13.6	229	247	201
25 March	170	215	118	15.8	20.5	12.2	245	262	211
26 March	171	206	135	17.3	24.0	12.5	276	298	245
27 March	174	198	152	16.6	18.4	14.2	269	294	251
28 March	165	188	139	15.3	19.5	11.5	246	258	234
29 March	159	175	128	16.2	22.6	12.6	279	322	254
30 March	-	-	-	-	-	-	-	-	-
31 March	-	-	-	-	-	-	-	-	-

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	<0.0002	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

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	0.5	1.2	1.7
E4	0.3	0.2	0.5
E6	1.8	2.1	3.9
U6	0.2	0.2	0.4

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	24.94					
010cm	26.31	8.14	38.1	75.8	4.81	2.25
050cm	26.68	8.13	38.0	77.6	4.89	
100cm	26.68	8.16	38.0	78.7	4.94	
150cm	26.65	8.16	38.0	76.7	4.84	
200cm	26.63	8.17	38.0	78.1	4.91	
250cm	26.63	8.17	38.1	76.0	4.77	
300cm	26.62	8.17	38.1	76.1	4.72	
Bottom	26.62	8.17	37.1	67.1	4.20	

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	25.01					
010cm	25.90	8.18	38.3	78.1	4.96	2.25
050cm	25.94	8.18	38.3	77.8	4.92	
100cm	25.97	8.19	38.3	79.4	5.05	
150cm	25.99	8.20	38.2	88.8	5.63	
200cm	25.99	8.20	38.3	86.8	5.51	
250cm	26.01	8.20	38.3	86.2	5.40	
300cm	26.03	8.21	38.3	86.8	5.49	
350cm	26.04	8.20	38.3	86.5	5.49	
400cm	26.06	8.20	38.4	88.1	5.59	
450cm	26.07	8.20	38.4	89.1	5.64	
500cm	26.08	8.20	38.6	86.7	5.49	
550cm	26.06	8.20	38.4	87.5	5.54	
600cm	26.03	8.20	38.4	86.9	5.51	
650cm	26.02	8.19	38.6	85.5	5.41	
Bottom	26.01	8.19	38.7	76.4	4.78	

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	22.36					
010cm	24.01	8.18	36.7	76.2	5.19	4.25
050cm	24.04	8.18	36.7	83.2	5.26	
100cm	24.05	8.18	36.7	82.4	5.27	
150cm	24.06	8.18	36.8	78.6	5.20	
200cm	24.05	8.18	36.8	79.6	5.26	
250cm	24.03	8.18	36.8	80.5	5.34	
300cm	24.03	8.18	36.8	80.4	5.33	
350cm	24.03	8.18	36.8	80.6	5.28	
400cm	24.02	8.18	36.8	82.3	5.43	
450cm	24.02	8.18	36.8	81.2	5.38	
500cm	24.01	8.18	36.8	81.8	5.42	
550cm	24.00	8.18	36.9	81.4	5.38	
600cm	24.00	8.18	36.9	81.7	5.42	
650cm	23.98	8.18	36.9	82.1	5.42	
700cm	23.96	8.18	36.9	81.9	5.43	
750cm	23.93	8.18	36.8	83.3	5.52	
800cm	23.91	8.18	36.8	82.2	5.44	
850cm	23.87	8.18	36.8	82.3	5.47	
900cm	23.87	8.18	36.8	82.6	5.48	
950cm	23.83	8.18	36.8	82.1	5.45	
Bottom	23.82	8.18	36.8	68.2	4.47	

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	23.69					
010cm	28.81	8.13	38.2	86.2	5.19	2.25
050cm	28.87	8.14	38.2	85.9	5.21	
100cm	28.98	8.15	38.2	88.1	5.36	
150cm	29.02	8.16	38.2	88.3	5.35	
200cm	29.01	8.16	38.2	88.2	5.34	
250cm	29.02	8.16	38.2	86.6	5.26	
300cm	29.00	8.17	38.2	89.3	5.39	
350cm	28.99	8.17	38.2	88.4	5.35	
400cm	28.94	8.17	38.2	86.9	5.29	
450cm	27.69	8.17	38.3	83.3	5.18	
500cm	26.87	8.18	38.0	79.2	4.99	
550cm	26.46	8.18	38.0	76.6	4.82	
600cm	26.33	8.17	38.0	74.2	4.69	
Bottom	26.23	8.16	38.2	63.8	4.04	

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	<0.05	ug/L	-	01/03/2018
Copper	4.8	ug/L	-	01/03/2018
Iron	6	ug/L	-	01/03/2018
Lead	<0.1	ug/L	-	01/03/2018
Manganese	23.8	ug/L	-	01/03/2018
Nitrite and Nitrate as N	862	ug/L	-	01/03/2018
Phosphorus Reactive as P - Total	574	ug/L	-	01/03/2018
Phosphorus as P - Total	800	ug/L	-	01/03/2018
Selenium	16.6	ug/L	-	01/03/2018
Suspended Solids (SS)	4000	ug/L	-	01/03/2018
Zinc	10	ug/L	-	01/03/2018
pH	8.75		-	01/03/2018

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	0.8	ug/L	-	01/03/2018
Iron	<5	ug/L	-	01/03/2087
Selenium	2	ug/L	-	01/03/2018
Temperature – Average	25.9	deg C	-	March 2018
Temperature – Minimum	23.7	deg C	-	March 2018
Temperature - Maximum	27.8	deg C	-	March 2018

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	01/03/2018
Iron	8	ug/L	300	01/03/2018
Selenium	<1.0	ug/L	2	01/03/2018
Temperature – Average	32.4	deg C	37.5	March 2018
Temperature – Minimum	28.0	deg C	37.5	March 2018
Temperature - Maximum	35.1	deg C	37.5	March 2018
Maximum Daily Discharge from Ash Dam	27.67	ML	150	March 2018
Monthly Discharge from Ash Dam	336.1	ML	-	March 2018

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	149	ug/L	-	01/03/2018
Phosphorus as P – Total	67	ug/L	-	01/03/2018
pH	6.95		-	01/03/2018

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	<0.2	ug/L	20/03/2018
Cadmium	0.90	ug/L	20/03/2018
Calcium	2000	ug/L	20/03/2018
Chromium	<0.2	ug/L	20/03/2018
Copper	4.8	ug/L	20/03/2018
Electrical Conductivity	0.359	mS/cm	20/03/2018
Iron	29	ug/L	20/03/2018
Lead	0.2	ug/L	20/03/2018
Magnesium	5000	ug/L	20/03/2018
Manganese	62.1	ug/L	20/03/2018
Nickel	8.8	ug/L	20/03/2018
pH	4.81	pH	20/03/2018
Potassium	4000	ug/L	20/03/2018
Selenium	<0.2	ug/L	20/03/2018
Standing Water Level	9.785	ug/L	20/03/2018
Zinc	205	ug/L	20/03/2018

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	11.9	ug/L	20/03/2018
Cadmium	<0.05	ug/L	20/03/2018
Calcium	336000	ug/L	20/03/2018
Chromium	1.5	ug/L	20/03/2018
Copper	<0.5	ug/L	20/03/2018
Electrical Conductivity	15.400	mS/cm	20/03/2018
Iron	6740	ug/L	20/03/2018
Lead	<0.1	ug/L	20/03/2018
Magnesium	198000	ug/L	20/03/2018
Manganese	1190	ug/L	20/03/2018
Nickel	4.0	ug/L	20/03/2018
pH	6.36	pH	20/03/2018
Potassium	101000	ug/L	20/03/2018
Selenium	0.2	ug/L	20/03/2018
Standing Water Level	4.280	ug/L	20/03/2018
Zinc	18	ug/L	20/03/2018

roundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	6.8	ug/L	20/03/2018
Cadmium	<0.05	ug/L	20/03/2018
Calcium	458000	ug/L	20/03/2018
Chromium	0.5	ug/L	20/03/2018
Copper	<0.5	ug/L	20/03/2018
Electrical Conductivity	20.900	mS/cm	20/03/2018
Iron	9620	ug/L	20/03/2018
Lead	<0.1	ug/L	20/03/2018
Magnesium	257000	ug/L	20/03/2018
Manganese	381	ug/L	20/03/2018
Nickel	1.0	ug/L	20/03/2018
pH	6.54	pH	20/03/2018
Potassium	117000	ug/L	20/03/2018
Selenium	0.3	ug/L	20/03/2018
Standing Water Level	1.900	ug/L	20/03/2018
Zinc	2	ug/L	20/03/2018

EPA Identification no. 24 – Groundwater Monitoring Well D26

Groundwater well was dry during sampling in March 2018

Name	Reading	Units	Date
Arsenic		ug/L	20/03/2018
Cadmium		ug/L	20/03/2018
Calcium		ug/L	20/03/2018
Chromium		ug/L	20/03/2018
Copper		ug/L	20/03/2018
Electrical Conductivity		mS/cm	20/03/2018
Iron		ug/L	20/03/2018
Lead		ug/L	20/03/2018
Magnesium		ug/L	20/03/2018
Manganese		ug/L	20/03/2018
Nickel		ug/L	20/03/2018
pH		pH	20/03/2018
Potassium		ug/L	20/03/2018
Selenium		ug/L	20/03/2018
Standing Water Level		ug/L	20/03/2018
Zinc		ug/L	20/03/2018