Eraring Power Station - EPA Licence 1429

Rocky Point Rd, Dora Creek NSW 2264

Environmental Monitoring Data

September 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 -September	142	191	121	6.8	10.7	3.4	187	198	179
2 - September	133	147	120	7.3	19.3	2.3	176	205	132
3 - September	133	152	122	6.3	11.8	3.1	133	156	117
4 - September	164	207	131	5.5	10.0	2.9	147	154	139
5 - September	138	204	106	4.8	13.7	2.5	138	147	129
6 - September	133	193	104	5.2	8.9	3.2	137	146	119
7 - September	129	172	108	6.0	11.5	2.5	132	147	110
8 - September	140	185	118	4.8	11.6	2.5	145	155	124
9 - September	128	169	112	6.1	10.0	3.0	144	152	138
10 - September	129	171	108	7.3	10.9	3.0	143	150	132
11 - September	151	177	117	5.3	14.0	2.5	150	164	135
12 - September	142	180	108	4.9	9.5	2.6	144	156	125
13 - September	160	202	113	4.0	5.2	2.6	172	197	137
14 - September	158	195	122	5.8	13.1	3.4	183	192	168
15 - September	139	171	114	5.8	9.3	2.9	186	191	174
16 - September	125	181	109	5.7	11.5	2.6	187	193	174
17 - September	132	202	117	9.1	13.0	4.5	184	196	173
18 - September	123	169	107	7.6	17.0	2.7	186	196	170
19 - September	135	211	109	4.7	9.6	2.7	194	213	173
20 - September	125	154	112	7.9	12.3	3.5	186	194	180
21 - September	129	179	109	7.9	16.5	2.8	193	209	162
22 - September	132	182	110	6.0	9.2	2.9	196	211	176
23 September	123	128	118	5.9	11.7	3.1	191	197	181
24 September	115	125	103	3.8	6.1	2.5	191	196	182
25 - September	144	179	107	6.5	8.3	3.0	200	207	187
26 - September	143	181	108	5.2	10.4	3.0	205	231	191
27 - September	138	185	100	3.9	9.3	2.3	196	210	191
28 - September	138	188	101	4.2	10.2	2.2	208	235	188
29 - September	133	153	114	4.2	8.7	2.5	206	220	198
30 - September	135	150	113	5.2	7.7	2.4	203	220	185

Unit 2 Boiler Continuous Emission Monitoring Summary

EPA Identification no. 12 - Air emissions monitoring, Boiler 2 stack discharge to air
No SOX results for 21st - 25th September 2017. Unit out of service

	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 -September	128	172	107	17.0	20.1	15.2	207	220	187
2 - September	115	138	101	17.5	21.0	14.7	211	223	198
3 - September	123	138	106	16.3	19.4	13.3	196	215	163
4 - September	128	166	112	15.0	22.9	10.6	207	217	181
5 - September	128	164	107	15.8	18.9	11.7	189	200	177
6 - September	140	184	115	16.0	20.3	10.7	197	205	172
7 - September	126	171	109	15.1	19.6	8.3	190	199	162
8 - September	122	147	108	14.1	18.0	11.8	200	211	165
9 - September	119	162	101	15.6	17.9	12.6	206	212	184
10 - September	119	148	104	17.1	20.7	13.3	205	215	184
11 - September	128	167	107	15.5	25.4	9.7	206	217	176
12 - September	133	167	112	13.8	21.3	9.0	207	223	177
13 - September	124	175	106	12.3	16.3	8.0	211	221	187
14 - September	126	144	107	15.7	19.3	13.7	195	200	168
15 - September	138	168	117	15.0	19.9	11.2	201	205	184
16 - September	135	154	103	15.3	18.9	12.3	204	211	181
17 - September	133	193	110	17.8	22.6	14.2	204	216	179
18 - September	137	184	106	16.9	23.1	12.9	209	218	183
19 - September	139	180	118	14.8	18.7	10.9	212	223	187
20 - September	133	151	117	18.0	23.8	14.6	196	207	181
21 - September	138	152	117	16.7	21.9	13.3			
22 - September	138	154	116	14.7	19.1	11.1			
23 September	119	135	105	15.0	17.8	12.1			
24 September	111	125	104	13.8	16.8	12.2			
25 - September	148	193	110	13.2	17.8	9.5			
26 - September	143	189	103	15.8	18.4	11.8	228	230	225
27 - September	131	193	101	13.8	18.5	10.7	219	224	204
28 - September	147	183	121	13.3	17.3	9.1	227	245	193
29 - September	134	149	120	15.5	20.1	13.4	233	244	220
30 - September	135	146	122	16.0	19.0	12.8	234	247	208

Unit 3 Boiler Continuous Emission Monitoring Summary

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

No results for 9th- 12th September 2017. Unit out of service

	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 -September	151	169	138	21.8	27.6	18.9	211	227	165
2 - September	150	174	132	22.1	27.2	18.8	210	226	200
3 - September	142	154	132	20.9	23.0	18.8	217	240	198
4 - September	151	173	132	21.1	24.9	17.8	226	239	198
5 - September	148	161	123	21.6	24.9	18.6	208	229	194
6 - September	139	153	107	20.8	24.8	18.0	207	226	144
7 - September	112	128	103	19.7	23.2	8.9	202	217	137
8 - September	120	131	105	19.8	23.7	17.5	215	233	136
9 - September									
10 - September									
11 - September									
12 - September									
13 - September	125	129	120	24.3	28.0	20.7	191	202	180
14 - September	119	148	102	22.0	26.0	19.3	199	218	156
15 - September	121	157	102	23.2	30.7	19.2	201	213	143
16 - September	119	143	100	22.7	28.5	19.7	202	213	136
17 - September	131	193	109	23.9	30.8	20.7	198	213	142
18 - September	149	176	119	24.0	31.7	19.1	207	220	146
19 - September	151	183	107	22.8	30.8	18.9	211	229	152
20 - September	125	144	109	24.7	31.8	20.7	206	220	142
21 - September	127	150	109	24.6	32.2	19.4	213	235	147
22 - September	127	147	112	23.0	29.6	19.4	214	232	149
23 September	127	157	111	22.9	28.0	18.0	209	231	148
24 September	119	141	107	21.6	26.8	19.0	207	223	150
25 - September	135	159	109	22.2	27.7	18.0	216	232	134
26 - September	141	172	116	22.2	33.2	16.0	227	235	180
27 - September	136	154	120	24.3	31.2	19.9	220	228	187
28 - September	138	177	110	23.8	30.1	19.1	228	248	207
29 - September	133	159	120	25.0	29.7	22.1	237	245	227
30 - September	117	127	109	25.5	31.3	21.4	241	255	225

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 -September	174	197	144	20.9	22.6	19.5	221	242	206
2 - September	152	190	133	21.7	23.6	19.5	200	229	182
3 - September	137	150	130	21.6	23.6	19.5	194	223	174
4 - September	159	208	138	20.5	22.6	17.0	209	224	198
5 - September	166	204	129	21.2	23.2	19.1	193	210	182
6 - September	159	200	127	21.3	23.1	19.5	201	220	175
7 - September	154	176	144	19.5	22.5	16.0	191	203	178
8 - September	167	190	149	19.1	22.6	17.0	202	222	175
9 - September	161	198	130	20.4	22.2	19.1	206	221	187
10 - September	154	195	128	21.1	24.2	19.1	212	224	195
11 - September	180	196	152	19.6	23.2	17.0	222	239	200
12 - September	149	180	120	19.4	21.6	18.0	211	222	188
13 - September	132	151	116	17.5	19.0	16.0	220	229	202
14 - September	148	172	130	19.4	21.1	17.6	206	221	186
15 - September	164	207	135	19.2	22.2	17.6	212	223	198
16 - September	148	185	123	19.2	21.3	17.2	218	231	198
17 - September	164	221	137	20.5	22.8	18.2	215	229	198
18 - September	156	198	122	19.6	23.4	16.1	217	233	202
19 - September	158	203	130	18.5	21.2	16.6	217	240	191
20 - September	175	201	138	21.3	23.9	19.3	211	220	194
21 - September	159	201	122	21.0	26.6	17.9	213	229	184
22 - September	146	178	131	19.3	22.1	16.9	219	237	208
23 September	134	170	119	18.5	20.6	14.4	205	224	188
24 September	127	162	116	18.6	20.7	15.6	202	212	191
25 - September	154	183	120	17.6	23.1	13.5	218	226	194
26 - September	171	202	140	17.9	21.9	14.7	230	260	149
27 - September	179	200	159	17.8	19.2	17.1	245	256	236
28 - September	175	210	139	17.5	19.1	14.5	249	276	230
29 - September	170	188	152	18.2	19.6	17.5	265	278	255
30 - September	159	174	144	18.5	20.1	17.5	255	265	247

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	0.0012	mg/m^3	0.2	15/02/2017
Carbon Dioxide (Wet)	13.5	%	-	15/02/2017
Carbon Monoxide	15	ppm	-	15/02/2017
Chlorine	0.12	mg/m^3	200	15/02/2017
Copper	0.0018	mg/m^3	-	15/02/2017
Dry Gas Density	1.4	kg/m^3	-	15/02/2017
Fluoride As HF - Total	8.3	mg/m^3	50	15/02/2017
Hazardous Substances (Metals) - Total	0.009	mg/m^3	1	15/02/2017
Hydrogen Chloride	1.9	mg/m^3	100	15/02/2017
Mercury	0.0001	mg/m^3	0.2	15/02/2017
Moisture	5.6	%	-	15/02/2017
Particulates - Total	7.8	mg/m^3	50	15/02/2017
Stack Gas Molecular Weight	31	kg/k-mole	-	15/02/2017
Temperature	121	degC	-	15/02/2017
Velocity	17.0	m/sec	-	15/02/2017
Volatile Organic Compounds (VOC) - Total	0.06	ppm	-	15/02/2017
Volumetric Flow Rate (Dry At STP)	431	m^3/sec	-	15/02/2017

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	0.2	0.7
E4	0.6	0.5	1.1
E6	1.2	3.7	4.9
U6	0.6	0.2	0.8

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	16.8					
010cm	16.9	8.22	34.9	96.5	7.33	1.75
050cm	16.9	8.21	34.9	98.4	7.48	
100cm	16.8	8.20	34.9	100.6	7.65	
150cm	16.9	8.20	34.9	102.5	7.78	
200cm	16.8	8.20	35.0	105.9	8.06	
250cm	16.8	8.20	35.0	108.0	8.24	
Bottom	16.8	8.20	35.1	108.9	8.27	

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	16.2					
010cm	16.3	8.25	35.0	92.0	7.05	3.25
050cm	16.4	8.22	35.0	94.3	7.24	
100cm	16.4	8.20	35.0	96.7	7.43	
150cm	16.4	8.19	35.0	99.9	7.66	
200cm	16.3	8.19	35.0	103.8	7.97	
250cm	16.3	8.19	35.0	107.4	8.22	
300cm	16.4	8.24	34.9	108.6	8.42	
350cm	16.3	8.19	34.9	112.7	8.64	
400cm	16.3	8.18	34.9	115.5	8.86	
450cm	16.3	8.18	34.9	119.9	9.20	
500cm	16.3	8.18	34.9	122.1	9.37	
550cm	16.3	8.21	35.0	129.8	9.90	
600cm	16.3	8.17	35.0	132.5	10.18	
650cm	16.3	8.17	35.1	136.5	10.53	
700cm	16.2	8.16	35.0	136.9	10.48	
750cm	16.2	8.17	35.0	144.0	11.07	
Bottom	16.2	8.19	35.0	144.4	11.04	

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	15.5					
010cm	16.2	8.22	35.2	107.3	8.25	2.75
050cm	16.2	8.20	35.1	108.4	8.34	
100cm	16.2	8.18	35.2	110.6	8.50	
150cm	16.2	8.18	35.2	112.7	8.66	
200cm	16.2	8.18	35.2	115.4	8.86	
250cm	16.2	8.21	35.2	117.1	8.99	
300cm	16.1	8.22	35.2	119.9	9.23	
350cm	16.0	8.23	35.2	123.7	9.53	
400cm	16.0	8.23	35.2	124.5	9.60	
450cm	16.0	8.24	35.2	128.3	9.89	
500cm	16.0	8.23	35.2	133.9	10.34	
550cm	16.0	8.23	35.2	137.2	10.59	
600cm	15.9	8.23	35.2	139.6	10.77	
650cm	15.9	8.23	35.2	141.6	10.94	
700cm	15.9	8.26	35.2	145.7	11.26	
750cm	15.9	8.32	35.2	149.3	11.54	
800cm	15.7	8.28	35.2	155.4	12.03	
850cm	15.7	8.28	35.2	159.1	12.35	
900cm	15.7	8.27	35.2	163.3	12.66	
Bottom	15.7	8.26	35.2	165.8	12.86	

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	17.1					
010cm	19.7	8.11	35.0	91.3	6.59	2.75
050cm	19.6	8.07	35.0	96.7	7.02	
100cm	19.2	8.07	34.9	101.5	7.40	
150cm	19.1	8.08	34.9	104.8	7.69	
200cm	18.8	8.08	34.9	107.8	7.92	
250cm	18.5	8.08	34.9	111.2	8.19	
300cm	18.5	8.08	34.9	113.5	8.38	
350cm	18.4	8.09	34.9	117.6	8.67	
400cm	18.4	8.09	34.9	119.5	8.82	
450cm	18.5	8.09	35.0	123.1	9.08	
500cm	18.4	8.08	35.0	126.4	9.34	
Bottom	18.3	8.08	35.0	130.8	9.68	

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	0.09	ug/L	-	07/09/2017
Copper	1.0	ug/L	-	07/09/2017
Iron	4	ug/L	-	07/09/2017
Lead	<0.1	ug/L	-	07/09/2017
Manganese	28.7	ug/L	-	07/09/2017
Nitrite and Nitrate as N	251	ug/L	-	07/09/2017
Phosphorus Reactive as P - Total	42	ug/L	-	07/09/2017
Phosphorus as P - Total	270	ug/L	-	07/09/2017
Selenium	16.6	ug/L	-	07/09/2017
Suspended Solids (SS)	4000	ug/L	-	07/09/2017
Zinc	<1	ug/L	-	07/09/2017
pH	8.65		-	07/09/2017

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	0.8	ug/L	-	07/09/2017
Iron	6	ug/L	-	07/09/2017
Selenium	<1	ug/L	-	07/09/2017
Temperature – Average	17.5	deg C	-	Sept 2017
Temperature – Minimum	15.1	deg C	-	Sept 2017
Temperature - Maximum	21.0	deg C	-	Sept 2017

Eraring Cooling Water Outlet Canal

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

Name	Reading	Units	Licence Limit	Date
Copper	1.0	ug/L	5	07/09/2017
Iron	11	ug/L	300	07/09/2017
Selenium	<1	ug/L	2	07/09/2017
Temperature – Average	24.2	deg C	35	Sept 2017
Temperature – Minimum	18.6	deg C	35	Sept 2017
Temperature - Maximum	30.6	deg C	35	Sept 2017
Maximum Daily Discharge from Ash Dam	0	ML	150	Sept 2017
Monthly Discharge from Ash Dam	0	ML	-	Sept 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	31	ug/L	-	07/09/2017
Phosphorus as P – Total	28	ug/L	-	07/09/2017
pH	7.02		-	07/09/2017

Groundwater Monitoring

Groundwater Well – MW01

EPA Identification no. 21 – Groundwater Monitoring Well 01

Name	Reading	Units	Date
Arsenic	0.2	ug/L	8/09/2017
Cadmium	<0.05	ug/L	8/09/2017
Calcium	1000	ug/L	8/09/2017
Chromium	<0.2	ug/L	8/09/2017
Copper	12.9	ug/L	8/09/2017
Electrical Conductivity	0.372	mS/cm	8/09/2017
Iron	270	ug/L	8/09/2017
Lead	0.5	ug/L	8/09/2017
Magnesium	4000	ug/L	8/09/2017
Manganese	77.0	ug/L	8/09/2017
Nickel	10.0	ug/L	8/09/2017
pH	4.99	pH	8/09/2017
Potassium	4000	ug/L	8/09/2017
Selenium	<0.2	ug/L	8/09/2017
Standing Water Level	9.616	ug/L	8/09/2017
Zinc	152	ug/L	8/09/2017

Groundwater Well – MW02

EPA Identification no. 22 – Groundwater Monitoring Well 02

Name	Reading	Units	Date
Arsenic	3.5	ug/L	8/09/2017
Cadmium	0.15	ug/L	8/09/2017
Calcium	289000	ug/L	8/09/2017
Chromium	9.6	ug/L	8/09/2017
Copper	1.6	ug/L	8/09/2017
Electrical Conductivity	14.800	mS/cm	8/09/2017
Iron	2650	ug/L	8/09/2017
Lead	0.2	ug/L	8/09/2017
Magnesium	191000	ug/L	8/09/2017
Manganese	654	ug/L	8/09/2017
Nickel	23.8	ug/L	8/09/2017
pH	6.43	pH	8/09/2017
Potassium	111000	ug/L	8/09/2017
Selenium	0.4	ug/L	8/09/2017
Standing Water Level	4.231	ug/L	8/09/2017
Zinc	73	ug/L	8/09/2017

Groundwater Well – MW06

EPA Identification no. 23 – Groundwater Monitoring Well 06

Name	Reading	Units	Date
Arsenic	6.1	ug/L	8/09/2017
Cadmium	<0.05	ug/L	8/09/2017
Calcium	426000	ug/L	8/09/2017
Chromium	0.6	ug/L	8/09/2017
Copper	<0.5	ug/L	8/09/2017
Electrical Conductivity	21.400	mS/cm	8/09/2017
Iron	12900	ug/L	8/09/2017
Lead	<0.1	ug/L	8/09/2017
Magnesium	282000	ug/L	8/09/2017
Manganese	398	ug/L	8/09/2017
Nickel	0.7	ug/L	8/09/2017
pH	6.62	pH	8/09/2017
Potassium	145000	ug/L	8/09/2017
Selenium	0.6	ug/L	8/09/2017
Standing Water Level	1.910	ug/L	8/09/2017
Zinc	2	ug/L	8/09/2017

Groundwater Well – MW D26

EPA Identification no. 24 – Groundwater Monitoring Well D26

Groundwater well was dry during sampling in September 2017

Name	Reading	Units	Date
Arsenic		ug/L	8/09/2017
Cadmium		ug/L	8/09/2017
Calcium		ug/L	8/09/2017
Chromium		ug/L	8/09/2017
Copper		ug/L	8/09/2017
Electrical Conductivity		mS/cm	8/09/2017
Iron		ug/L	8/09/2017
Lead		ug/L	8/09/2017
Magnesium		ug/L	8/09/2017
Manganese		ug/L	8/09/2017
Nickel		ug/L	8/09/2017
pH		pH	8/09/2017
Potassium		ug/L	8/09/2017
Selenium		ug/L	8/09/2017
Standing Water Level		ug/L	8/09/2017
Zinc		ug/L	8/09/2017