



Eraring Power Station - EPA Licence 1429
Rocky Point Rd, Morristown NSW 2264
Coal Unloader - EPA Licence 4297
Eraring Coal Delivery Facility, Construction Rd, Dora Creek NSW 2264
Environmental Monitoring Data
August 2013



Unit 1 Boiler Continuous Emission Monitoring Summary

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

- NOx analyser was out of order from the 1st -6th August with an instrument fault.

	NOX			Particulates			SOX		
	ppm (7% CO2)			mg/m3			ppm (7% CO2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 - Aug	0	0	0	10	10	10	0	0	0
2 - Aug	0	0	0	10	10	10	123	137	114
3 - Aug	0	0	0	10	10	10	120	134	113
4 - Aug	0	0	0	10	10	10	121	132	104
5 - Aug	0	0	0	10	10	10	117	122	112
6 - Aug	0	0	0	10	10	10	123	131	111
7 - Aug	130	193	103	13	27	6	146	161	114
8 - Aug	101	113	87	11	27	8	161	176	146
9 - Aug	123	143	94	9	9	9	180	194	166
10 - Aug	144	153	125	9	9	9	181	218	116
11 - Aug	140	147	133	9	10	9	180	212	163
12 - Aug	136	150	105	9	11	8	176	188	163
13 - Aug	112	120	99	9	9	9	180	190	163
14 - Aug	120	143	108	9	9	9	179	194	161
15 - Aug	153	189	117	9	10	9	218	274	164
16 - Aug	168	190	126	9	11	8	232	242	223
17 - Aug	184	194	166	9	10	9	231	249	219
18 - Aug	192	199	159	9	9	9	215	221	202
19 - Aug	173	200	130	9	9	9	212	233	198
20 - Aug	157	198	136	9	9	9	212	226	198
21 - Aug	142	173	111	9	9	9	212	225	191
22 - Aug	153	190	130	9	9	9	215	224	201
23 - Aug	147	161	127	9	9	9	209	218	196
24 - Aug	128	158	106	9	10	9	202	227	146
25 - Aug	127	134	111	10	16	7	206	214	201
26 - Aug	136	155	124	9	11	9	205	214	193
27 - Aug	130	155	113	9	11	7	214	224	207
28 - Aug	146	209	119	10	12	7	225	265	199
29 - Aug	119	137	111	10	14	6	268	305	238
30 - Aug	147	198	121	9	10	9	284	305	254
31 - Aug	177	199	135	9	9	9	291	356	250

Unit 2 Boiler Continuous Emission Monitoring Summary

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

- Unit 2 was out of service for majority of the month due to a scheduled outage. This was a planned shutdown where components of the station were replaced for routine maintenance on the unit

	NOX			Particulates			SOX		
	ppm (7% CO2)			mg/m3			ppm (7% CO2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 - Aug	151	202	110	12	16	8	257	267	252
2 - Aug	191	258	129	11	16	8	233	251	221
3 - Aug	173	193	137	9	14	7	226	264	224
4 - Aug	0	0	0	0	0	0	0	0	0
5 - Aug	0	0	0	0	0	0	0	0	0
6 - Aug	0	0	0	0	0	0	0	0	0
7 - Aug	0	0	0	0	0	0	0	0	0
8 - Aug	0	0	0	0	0	0	0	0	0
9 - Aug	0	0	0	0	0	0	0	0	0
10 - Aug	0	0	0	0	0	0	0	0	0
11 - Aug	0	0	0	0	0	0	0	0	0
12 - Aug	0	0	0	0	0	0	0	0	0
13 - Aug	0	0	0	0	0	0	0	0	0
14 - Aug	0	0	0	0	0	0	0	0	0
15 - Aug	0	0	0	0	0	0	0	0	0
16 - Aug	0	0	0	0	0	0	0	0	0
17 - Aug	0	0	0	0	0	0	0	0	0
18 - Aug	0	0	0	0	0	0	0	0	0
19 - Aug	0	0	0	0	0	0	0	0	0
20 - Aug	0	0	0	0	0	0	0	0	0
21 - Aug	0	0	0	0	0	0	0	0	0
22 - Aug	0	0	0	0	0	0	0	0	0
23 - Aug	0	0	0	0	0	0	0	0	0
24 - Aug	0	0	0	0	0	0	0	0	0
25 - Aug	0	0	0	0	0	0	0	0	0
26 - Aug	0	0	0	0	0	0	0	0	0
27 - Aug	0	0	0	0	0	0	0	0	0
28 - Aug	0	0	0	0	0	0	0	0	0
29 - Aug	142	158	0	5	15	4	312	360	0
30 - Aug	151	192	114	9	15	7	302	391	144
31 - Aug	152	199	119	8	10	7	249	328	292

Unit 3 Boiler Continuous Emission Monitoring Summary

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

- Unit 3 was shut down on the 31st of this month for a scheduled shutdown for maintainance and repair. This unit will be shutdown for the majority of September aswell

	NOX			Particulates			SOX		
	ppm (7% CO2)			mg/m3			ppm (7% CO2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 - Aug	142	171	126	14	16	12	189	202	179
2 - Aug	148	177	125	13	16	11	169	192	134
3 - Aug	157	212	126	12	13	12	188	209	157
4 - Aug	159	205	128	13	13	13	179	201	140
5 - Aug	169	198	141	13	13	13	167	188	143
6 - Aug	155	201	124	13	13	13	174	205	134
7 - Aug	146	183	117	17	33	13	189	215	137
8 - Aug	152	183	121	18	29	13	185	210	157
9 - Aug	126	138	121	13	13	12	193	213	161
10 - Aug	129	139	115	13	13	12	175	196	137
11 - Aug	124	143	115	13	13	12	172	212	147
12 - Aug	122	142	117	13	14	12	179	203	145
13 - Aug	129	173	115	13	13	12	158	198	141
14 - Aug	125	125	125	12	13	12	164	182	133
15 - Aug	129	146	112	13	13	12	161	182	145
16 - Aug	126	141	115	13	14	12	155	169	127
17 - Aug	155	185	124	13	14	12	151	162	131
18 - Aug	163	190	125	13	13	13	145	160	128
19 - Aug	136	159	114	14	14	13	143	157	124
20 - Aug	125	142	117	13	13	13	148	155	130
21 - Aug	128	146	114	13	14	13	147	161	123
22 - Aug	138	159	115	13	14	13	152	160	131
23 - Aug	129	146	128	13	14	13	151	160	124
24 - Aug	0	0	0	14	14	14	150	161	136
25 - Aug	0	0	0	14	18	13	141	151	127
26 - Aug	0	0	0	14	14	13	141	152	134
27 - Aug	83	121	66	13	15	13	143	154	128
28 - Aug	83	118	67	14	17	12	155	169	137
29 - Aug	205	230	184	14	18	13	229	311	141
30 - Aug	208	243	177	13	14	13	335	366	287
31 - Aug	0	0	0	0	0	0	0	0	0

Unit 4 Boiler Continuous Emission Monitoring Summary

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

- Unit 4 SOX from the 9th - 14th August displays a zero result due to an instrument fault.

	NOX			Particulates			SOX		
	ppm (7% CO2)			mg/m3			ppm (7% CO2)		
	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly	Daily Ave	Max Hourly	Min Hourly
1 - Aug	247	327	188	10	10	10	323	409	220
2 - Aug	249	316	176	10	10	10	339	374	253
3 - Aug	243	354	181	10	10	10	357	409	237
4 - Aug	243	327	184	10	10	10	340	390	225
5 - Aug	257	364	192	10	10	10	339	377	230
6 - Aug	271	410	202	10	10	10	347	378	234
7 - Aug	237	358	122	13	27	6	370	415	257
8 - Aug	145	271	119	11	27	8	387	429	270
9 - Aug	138	312	114	9	9	9	0	0	0
10 - Aug	117	303	90	9	9	9	0	0	0
11 - Aug	152	313	91	9	10	9	0	0	0
12 - Aug	214	285	159	9	11	3	0	0	0
13 - Aug	249	315	160	9	9	9	0	0	0
14 - Aug	218	268	131	9	9	9	0	0	0
15 - Aug	207	298	169	9	10	9	330	390	247
16 - Aug	211	274	164	9	11	8	268	328	160
17 - Aug	222	329	160	9	10	9	288	330	209
18 - Aug	235	340	164	9	9	9	295	353	216
19 - Aug	229	334	177	9	9	9	319	391	213
20 - Aug	249	344	208	9	9	9	347	394	208
21 - Aug	237	337	163	9	9	9	340	383	243
22 - Aug	235	357	188	9	9	9	346	381	229
23 - Aug	219	302	163	9	9	9	352	393	233
24 - Aug	229	340	171	9	10	9	352	381	220
25 - Aug	239	367	178	10	16	7	316	364	250
26 - Aug	291	419	197	9	11	9	337	391	226
27 - Aug	249	382	178	9	11	7	332	384	237
28 - Aug	244	343	164	9	12	6	385	463	239
29 - Aug	250	316	180	10	14	6	441	530	246
30 - Aug	232	285	178	9	10	9	353	404	240
31 - Aug	260	298	236	9	9	9	360	452	227

Dora Creek Ambient Air Monitoring Summary

EPA Identification no. 16 - Ambient air monitoring station at Dora Creek - alongside oval at Dora Creek

	Fluoride Gaseous	Fluoride Particulate	Fluoride Total	Nitrogen Dioxide (NO ₂)	Nitrogen Monoxide (NO)	Nitrogen Oxides (NO _x)	Sulphur Dioxide (SO ₂)
	ug/m3	ug/m3	ug/m3	pphm	pphm	pphm	pphm
Maximum	0.014	0.004	0.019	2.300	3.300	4.700	0.200
Average	0.008	0.002	0.010	1.003	0.419	1.416	0.026
Minimum	0.000	0.000	0.000	0.200	0.000	0.200	0.000
90th Percentile	0.014	0.004	0.019	1.450	1.250	2.600	0.150
Std Deviation	0.006	0.002	0.008	0.438	0.688	0.965	0.062

	Rainfall	Sigma Theta at 10m	Solar Radiation	Temperatur e at 10m	Temperatur e at 2m	Wind Direction at 10m	Wind Speed at 10m
	mm	deg	W/m2	degC	degC	deg	m/s
Maximum	9.14	39.70	189.90	19.23	19.30	303.99	2.81
Average	0.39	25.27	156.93	13.30	13.09	241.02	1.51
Minimum	0.00	14.10	73.76	9.91	9.53	91.28	0.96
90th Percentile	0.00	32.27	186.09	15.63	15.72	285.20	2.41
Std Deviation	1.67	5.34	25.39	2.02	2.12	43.00	0.51

Marks Point Ambient Air Monitoring Summary

EPA Identification no. 15 - Ambient air monitoring station at Marks Point primary school

	Nitrogen Dioxide (NO ₂)	Nitrogen Monoxide (NO)	Nitrogen Oxides (NO _x)	Sulphur Dioxide (SO ₂)
	pphm	pphm	pphm	pphm
Maximum	2.235	0.135	2.370	2.140
Average	0.855	0.016	0.856	0.147
Minimum	0.125	0.000	0.095	0.000
90th Percentile	1.928	0.043	1.968	0.295
Std Deviation	0.635	0.027	0.663	0.380

	Relative Humidity	Sigma Theta at 2m	Temperatur e at 2m	Wind Direction at 2m	Wind Speed at 2m
	%	deg	degC	deg	m/s
Maximum	87.00	24.91	20.39	313.74	3.60
Average	63.99	19.10	15.48	261.17	1.86
Minimum	42.33	13.80	11.56	157.24	1.04
90th Percentile	81.27	24.14	17.38	306.92	2.59
Std Deviation	12.62	3.66	1.76	38.24	0.58

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	0.0033	mg/m3	0.0050	12/11/2012
Carbon Dioxide (Wet)	11.0	%	-	12/11/2012
Carbon Monoxide	5.1	mg/m3	-	12/11/2012
Chlorine	0.53	mg/m3	1.5	12/11/2012
Copper	0.0017	mg/m3	-	12/11/2012
Dry Gas Density	0.93	kg/m3	-	12/11/2012
Fluoride As HF - Total	18.6	mg/m3	15.0	12/11/2012
Hazardous Substances (Metals) - Total	0.07	mg/m3	0.050	12/11/2012
Hydrogen Chloride	4.0	mg/m3	15.0	12/11/2012
Mercury	0.0013	mg/m3	0.200	12/11/2012
Moisture	8.0	%	-	12/11/2012
Particulates - Total	10.2	mg/m3	50	12/11/2012
Stack Gas Molecular Weight	29	kg/k-mole	-	12/11/2012
Temperature	109.0	degC	-	12/11/2012
Velocity	11.8	m/sec	-	12/11/2012
Volatile Organic Compounds (VOC) - Total	5.4	mg/m3	-	12/11/2012
Volumetric Flow Rate (Dry At STP)	280	m3/sec	-	12/11/2012

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	0.0011	mg/m3	0.0050	06/05/2013
Carbon Dioxide (Wet)	10.4	%	-	06/05/2013
Carbon Monoxide	0.90	mg/m3	-	06/05/2013
Chlorine	0.30	mg/m3	1.5	06/05/2013
Copper	0.0011	mg/m3	-	06/05/2013
Dry Gas Density	0.93	kg/m3	-	06/05/2013
Fluoride As HF - Total	6.4	mg/m3	15.0	06/05/2013
Hazardous Substances (Metals) - Total	0.025	mg/m3	0.050	06/05/2013
Hydrogen Chloride	3.2	mg/m3	15.0	06/05/2013
Mercury	0.0022	mg/m3	0.200	06/05/2013
Moisture	7.5	%	-	06/05/2013
Particulates - Total	3.8	mg/m3	50	06/05/2013
Stack Gas Molecular Weight	29	kg/k-mole	-	06/05/2013
Temperature	108.0	degC	-	06/05/2013
Velocity	12.2	m/sec	-	06/05/2013
Volatile Organic Compounds (VOC) - Total	5.4	mg/m3	-	06/05/2013
Volumetric Flow Rate (Dry At STP)	293	m3/sec	-	06/05/2013

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	0.0011	mg/m3	0.0050	05/08/2013
Carbon Dioxide (Wet)	10.3	%	-	05/08/2013
Carbon Monoxide	9.9	mg/m3	-	05/08/2013
Chlorine	0.30	mg/m3	1.5	05/08/2013
Copper	0.0011	mg/m3	-	05/08/2013
Dry Gas Density	0.94	kg/m3	-	05/08/2013
Fluoride As HF - Total	9.6	mg/m3	15.0	05/08/2013
Hazardous Substances (Metals) - Total	0.06	mg/m3	0.050	05/08/2013
Hydrogen Chloride	4.1	mg/m3	15.0	05/08/2013
Mercury	0.0007	mg/m3	0.200	05/08/2013
Moisture	6.7	%	-	05/08/2013
Particulates - Total	15.0	mg/m3	50	05/08/2013
Stack Gas Molecular Weight	29	kg/k-mole	-	05/08/2013
Temperature	103.0	degC	-	05/08/2013
Velocity	11.1	m/sec	-	05/08/2013
Volatile Organic Compounds (VOC) - Total	5.7	mg/m3	-	05/08/2013
Volumetric Flow Rate (Dry At STP)	270	m3/sec	-	05/08/2013

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	0.0020	mg/m3	0.0050	14/01/2013
Carbon Dioxide (Wet)	10.6	%	-	14/01/2013
Carbon Monoxide	7.4	mg/m3	-	14/01/2013
Chlorine	0.59	mg/m3	1.5	14/01/2013
Copper	0.0020	mg/m3	-	14/01/2013
Dry Gas Density	0.91	kg/m3	-	14/01/2013
Fluoride As HF - Total	12.3	mg/m3	15.0	14/01/2013
Hazardous Substances (Metals) - Total	0.07	mg/m3	0.050	14/01/2013
Hydrogen Chloride	13.2	mg/m3	15.0	14/01/2013
Mercury	0.0012	mg/m3	0.200	14/01/2013
Moisture	7.8	%	-	14/01/2013
Particulates - Total	18.9	mg/m3	50	14/01/2013
Stack Gas Molecular Weight	29	kg/k-mole	-	14/01/2013
Temperature	112.0	degC	-	14/01/2013
Velocity	9.4	m/sec	-	14/01/2013
Volatile Organic Compounds (VOC) - Total	4.8	mg/m3	-	14/01/2013
Volumetric Flow Rate (Dry At STP)	232	m3/sec	-	14/01/2013

Eraring Coal Unloader Dust Gauges

EPA Identification no. 18 - Depositional dust monitoring within 1 km of the coal handling operations

- U6 was experiencing a higher than normal result for the month of August. This is due to the August winds with heavy westerly winds affecting the results. No external workings from the power station were performed near the gauge.

	Deposited Matter		
	g/m2/month		
	Ash	Combustible	Insolubles
U1	0.20	0.10	0.30
U2	0.20	0.10	0.30
U3	0.30	0.10	0.30
U4	0.70	1.50	2.20
U5	0.20	0.20	0.40
U6	5.00	2.70	7.70

Eraring Due Diligence Dust Gauges

EPA Identification no. 18 - Depositional dust monitoring within 1 km of the coal handling operations

	Deposited Matter		
	g/m2/month		
	Ash	Combustible	Insolubles
E1	0.50	0.40	0.90
E2	0.90	0.70	1.60
E3	0.80	0.30	1.10
E4	0.80	0.30	1.10
E5	0.20	0.10	0.20
E6	0.10	0.10	0.10

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	20.80					
010cm	16.71	7.49	37.60	97.50	7.45	2.50
050cm	16.66	7.50	37.60	97.40	7.44	
100cm	16.13	7.50	37.64	96.80	7.48	
150cm	15.94	7.48	37.63	95.40	7.40	
200cm	15.90	7.48	37.66	94.70	7.35	
250cm	15.88	7.49	37.67	94.50	7.34	
Bottom	15.89	7.49	37.64	94.40	7.33	

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	18.00					
010cm	17.00	7.47	37.44	97.80	7.44	4.00
050cm	17.00	7.47	37.44	97.60	7.43	
100cm	16.64	7.47	37.44	97.10	7.43	
150cm	16.58	7.47	37.47	97.20	7.47	
200cm	16.43	7.47	37.42	97.00	7.46	
250cm	16.40	7.48	37.45	96.90	7.46	
300cm	16.41	7.47	37.53	97.70	7.51	
350cm	16.49	7.48	37.59	98.00	7.52	
400cm	16.44	7.48	37.70	98.60	7.57	
450cm	16.45	7.49	37.65	97.70	7.50	
500cm	16.43	7.48	38.38	96.40	7.37	
550cm	16.46	7.48	38.79	88.70	6.76	
600cm	16.44	7.49	38.86	88.50	6.74	
650cm	16.44	7.48	38.85	88.90	6.77	
700cm	16.45	7.48	38.86	89.20	6.80	
Bottom	16.45	7.48	38.85	89.00	6.78	

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	15.60					
010cm	15.87	7.45	38.23	98.80	7.64	3.50
050cm	15.87	7.45	38.22	99.00	7.65	
100cm	15.87	7.45	38.24	99.00	7.66	
150cm	15.85	7.46	38.24	99.10	7.67	
200cm	15.84	7.46	38.24	99.10	7.67	
250cm	15.81	7.47	38.27	98.80	7.65	
300cm	15.69	7.47	38.33	98.30	7.63	
350cm	15.65	7.48	38.34	98.30	7.63	
400cm	15.63	7.48	38.35	98.10	7.62	
450cm	15.61	7.49	38.33	98.10	7.63	
500cm	15.57	7.50	38.36	97.80	7.61	
550cm	15.60	7.49	38.40	97.70	7.59	
600cm	15.64	7.50	38.52	97.70	7.58	
650cm	15.75	7.51	38.60	97.70	7.56	
700cm	15.83	7.52	38.62	97.40	7.52	
750cm	15.83	7.53	38.61	97.60	7.53	
800cm	15.82	7.53	38.64	97.60	7.54	
850cm	15.82	7.53	38.80	97.70	7.54	
900cm	16.74	7.55	39.62	96.00	7.24	
Bottom	16.77	7.56	39.63	95.80	7.22	

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	24.30					
010cm	19.81	7.71	37.71	117.20	8.45	4.00
050cm	19.76	7.71	37.73	117.50	8.47	
100cm	19.60	7.72	37.70	117.50	8.50	
150cm	18.97	7.71	37.69	116.90	8.56	
200cm	18.97	7.71	37.26	116.40	8.53	
250cm	17.86	7.72	37.65	115.00	8.59	
300cm	17.54	7.72	37.19	113.30	8.54	
350cm	16.60	7.73	37.88	100.20	7.66	
400cm	16.59	7.73	37.90	97.60	7.46	
450cm	16.59	7.72	38.59	95.80	7.31	
500cm	16.69	7.70	38.76	90.90	6.90	
550cm	16.69	7.70	38.39	84.20	6.41	
Bottom	16.70	7.71	38.76	74.10	5.62	

Eraring Ash Dam Effluent Quality Monitoring

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

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Cadmium	0.07	ug/L	-	05/08/2013
Copper	3.7	ug/L	-	05/08/2013
Iron	50	ug/L	-	05/08/2013
Lead	0.20	ug/L	-	05/08/2013
Manganese	58	ug/L	-	05/08/2013
Nitrite and Nitrate as N	860	ug/L	-	05/08/2013
Phosphorus Reactive as P - Total	201	ug/L	-	05/08/2013
Phosphorus as P - Total	283	ug/L	-	05/08/2013
Selenium	13.5	ug/L	-	05/08/2013
Suspended Solids (SS)	5.0	mg/L	-	05/08/2013
Zinc	7.0	ug/L	-	05/08/2013
pH	9.2		-	05/08/2013

Eraring Cooling Water Inlet Canal

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

<u>Name</u>	<u>Reading</u>	<u>Units</u>	<u>Licence Limit</u>	<u>Date</u>
Copper	2.00	ug/L	-	05/08/2013
Iron	101.0	ug/L	-	05/08/2013
Selenium	1.00	ug/L	-	05/08/2013
Temperature - Average	15.7	deg C	-	Aug 2013
Temperature - Minimum	14.0	deg C	-	Aug 2013
Temperature - Maximum	18.2	deg C	-	Aug 2013

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	2.00	ug/L	5	05/08/2013
Iron	37.0	ug/L	300	05/08/2013
Selenium	1.00	ug/L	2	05/08/2013
Temperature - Average	20.3	deg C	35	Aug 2013
Temperature - Minimum	17.6	deg C	35	Aug 2013
Temperature - Maximum	26.3	deg C	35	Aug 2013
Maximum Daily Discharge from Ash Dam	16.7	ML	50	Aug 2013
Monthly Discharge from Ash Dam	144	ML	-	Aug 2013

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	60	ug/L	-	05/08/2013
Phosphorus as P - Total	119	ug/L	-	05/08/2013
pH	7.4		-	05/08/2013