



Environmental Monitoring Report

Condong Biomass Power Plant 153 McLeod Street Condong NSW

Licencee Cape Byron Management Pty Ltd
Address 153 McLeod Street Condong NSW
EPL No 20424 <http://www.epa.nsw.gov.au/prpoeoapp/>

This data is published under section 66(6) of the *Protection of the Environment Operations Act 1997*

Sampling Point: **Monitoring Point 1 - No 1 Boiler Stack Emissions**
 Licence: Cape Byron Management Pty Ltd
 Location: Condong Cogeneration Power Plant
 EPL No: 20424 www.environment.nsw.gov.au
 Parameters Monitored: see individual parameters in table
 Frequency & Method: Annually in accordance with EPA protocols
 Limits: see individual parameters in table



			RESULTS TABLE							
			AMG11093	AMG 11123	AMG 11349	AMG 11476	AE11619	AE11748		
			13/09/2017	13/12/2017	14/02/2018	27/06/2018	17/09/2018	13/12/2018		
			23/10/2017	6/02/2018	27/02/2018	13/07/2018	15/10/2018	15/01/2019		
			24/10/2017	12/02/2018	27/04/2018	16/07/2018	19/12/2018	18/01/2019		
Measured Parameters	Units	Concentration Limit								
dry @ STP and corrected to 7% O ₂										
Average stack gas temperature	°C	Not Applicable	69.63	67.70	63.20	70.00	68.40	79.00		
Average velocity at sampling plane	m/s	Not Applicable	7.15	7.22	6.67	13.50	16.60	18.40		
Dry Gas Volumetric Flowrate	m ³ /sec	Not Applicable	53.45	54.18	52.18	53.30	67.90	74.23		
Dry Gas Density	kg/m ³	Not Applicable	1.33	1.37	1.36	1.36	1.33	1.34		
Molecular Weight of Stack Gases	g/g mole	Not Applicable	29.80	30.60	28.10	27.70	29.80	30.00		
Moisture content	%	Not Applicable	20.80	21.10	18.30	22.90	19.90	18.00		
Concentration of carbon dioxide	%	Not Applicable	14.80	14.60	12.40	14.20	13.90	9.48		
Total Solid Particles	mg/m ³	100.00	45.50	25.10	51.00	20.50	117.00	72.40		
Sulphuric Acid Mist & Sulphur Trioxide as SO ₃	mg/m ³	30.00	9.13	8.94	15.70	15.10	12.70	0.92		
Nitrogen Oxides (NO _x)	mg/m ³	500.00	299.00	290.00	245.00	277.00	304.00	183.00		

Sampling Point: **Monitoring Point 2 - Ambient Air Monitoring Fuel Stockpile**
 Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameters Monitored [Particulates - Deposited Matter](#)
 Monitoring Frequency Continous with sample results extrapolated from sample period of 30 ± 2 days
 Limits Not Applicable
 Comments Laboratory Analysis



Date Sample Collected	Date Received	Date Published	Results (g/m ² /month)	Notes
05-Jan-18	10-Jan-18	25-Jan-18	1.53	Org. Matter
05-Feb-18	09-Feb-18	13-Feb-18	1.75	Clean with Dirt
07-Mar-18	08-Mar-18	20-Mar-18	5.40	Org. Matter
06-Apr-18	11-Apr-18	27-Apr-18	0.69	Some Org. Matter
09-May-18	11-May-18	24-May-18	2.23	Some Organic Matter
07-Jun-18	13-Jun-18	29-Jun-18	4.90	Cloudy
06-Jul-18	11-Jul-18	16-Jul-18	2.86	Org. Matter
07-Aug-18	10-Aug-18	13-Aug-18	3.30	
07-Sep-18	11-Sep-18	18-Sep-18	4.70	Org.Matter/Light Grey
04-Oct-18	08-Oct-18	19-Oct-18	3.13	Org. Matter
05-Nov-18	07-Nov-18	16-Nov-18	2.13	
06-Dec-18	12-Dec-18	19-Dec-18	6.95	Brown, Org. Matter, Insects
04-Jan-19	08-Jan-19	18-Jan-19	3.43	

Sampling Point: Monitoring Point 2 - Ambient Air Monitoring Fuel Stockpile

Licence Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameters Monitored **PM10**
 Monitoring Frequency Once every 7 days when operating at stockpile
 Limits Not Applicable
 Comments



Date Sample Collected	Date Received	Date Published	Results (ug/m ³)	Notes
03-Jan-18	08-Jan-18	16-Jan-18	23.0	
09-Jan-18	07-Feb-18	20-Feb-18	19.3	
15-Jan-18	07-Feb-18	20-Feb-18	92.0	
21-Jan-18	07-Feb-18	20-Feb-18	39.6	
27-Jan-18	07-Feb-18	20-Feb-18	20.2	
02-Feb-18	07-Feb-18	20-Feb-18	12.4	
08-Feb-18	07-Mar-18	14-Mar-18	32.9	
14-Feb-18	07-Mar-18	14-Mar-18	38.0	
20-Feb-18	07-Mar-18	14-Mar-18	22.5	
26-Feb-18	07-Mar-18	14-Mar-18	5.1	
04-Mar-18	07-Mar-18	14-Mar-18	14.8	
10-Mar-18	16-Apr-18	27-Apr-18	8.4	
16-Mar-18	16-Apr-18	27-Apr-18	13.2	
22-Mar-18	16-Apr-18	27-Apr-18	13.2	Filter paper went two cycles one result (26.4) 16/04-22/04
28-Mar-18	16-Apr-18	27-Apr-18	21.8	
03-Apr-18	16-Apr-18	27-Apr-18	31.2	
09-Apr-18	16-Apr-18	27-Apr-18	34.0	
15-Apr-18	11-May-18	24-May-18	9.8	
21-Apr-18	11-May-18	24-May-18	7.0	
27-Apr-18	11-May-18	24-May-18	21.1	
03-May-18	11-May-18	24-May-18	11.6	
09-May-18	05-Jun-18	29-Jun-18	10.5	
15-May-18	05-Jun-18	29-Jun-18	10.5	
21-May-18	05-Jun-18	29-Jun-18	62.1	
27-May-18	05-Jun-18	29-Jun-18	2.0	
02-Jun-18	05-Jun-18	29-Jun-18	22.1	
08-Jun-18	09-Jul-18	13-Jul-18	<0.1	
14-Jun-18	09-Jul-18	13-Jul-18	30.3	
20-Jun-18	09-Jul-18	13-Jul-18	87.4	
26-Jun-18	09-Jul-18	13-Jul-18	33.4	
02-Jul-18	09-Jul-18	13-Jul-18	16.9	
08-Jul-18	06-Aug-18	14-Aug-18	5.7	
14-Jul-18	06-Aug-18	14-Aug-18	17.4	
20-Jul-18	06-Aug-18	14-Aug-18	24.2	
26-Jul-18	06-Aug-18	14-Aug-18	57.9	
01-Aug-18	06-Aug-18	14-Aug-18	55.9	
07-Aug-18	10-Sep-18	18-Sep-18	38.2	
13-Aug-18	10-Sep-18	18-Sep-18	92.0	
19-Aug-18	10-Sep-18	18-Sep-18	95.4	
25-Aug-18	10-Sep-18	18-Sep-18	18.9	
31-Aug-18	10-Sep-18	18-Sep-18	109.0	
06-Sep-18	10-Sep-18	18-Sep-18	1.5	
12-Sep-18	08-Oct-18	19-Oct-18	35.4	
18-Sep-18	08-Oct-18	19-Oct-18	26.2	
24-Sep-18	08-Oct-18	19-Oct-18	34.0	
30-Sep-18	08-Oct-18	19-Oct-18	16.3	
06-Oct-18	09-Nov-18	16-Nov-18	6.6	
12-Oct-18	09-Nov-18	16-Nov-18	9.1	
18-Oct-18	09-Nov-18	16-Nov-18	12.2	
24-Oct-18	09-Nov-18	16-Nov-18	37.3	
30-Oct-18	09-Nov-18	16-Nov-18	16.4	
05-Nov-18	06-Dec-18	19-Dec-18	50.1	
11-Nov-18	06-Dec-18	19-Dec-18	18.6	
17-Nov-18	06-Dec-18	19-Dec-18	95.8	
23-Nov-18	06-Dec-18	19-Dec-18	140.0	
29-Nov-18	06-Dec-18	19-Dec-18	65.1	
05-Dec-18	04-Jan-19	18-Jan-19	38.5	
11-Dec-18	04-Jan-19	18-Jan-19	55.0	
17-Dec-18	04-Jan-19	18-Jan-19	13.9	
23-Dec-18	04-Jan-19	18-Jan-19	36.9	
29-Dec-18	04-Jan-19	18-Jan-19	26.5	

Sampling Point: **Monitoring Point 4 - Ambient Air Monitoring North of Bowling Club**
 Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameters Monitored [Particulates - Deposited Matter](#)
 Monitoring Frequency Continuous with sample results extrapolated from sample period of 30 ± 2 days



Limits Not Applicable

Comments Laboratory Analysis

Date Sample Collected	Date Received	Date Published	Results (g/m ² /month)	Notes
05-Jan-18	10-Jan-18	25-Jan-18	0.81	Org. Matter / Ants
05-Feb-18	09-Feb-18	13-Feb-18	2.46	
07-Mar-18	08-Mar-18	20-Mar-18	3.16	Insects/Org. Matter
06-Apr-18	11-Apr-18	27-Apr-18	6.70	Some org. Matter
09-May-18	11-May-18	24-May-18	0.85	Some Organic Matter
07-Jun-18	13-Jun-18	29-Jun-18	1.59	
06-Jul-18	11-Jul-18	16-Jul-18	2.60	Org. Matter
07-Aug-18	10-Aug-18	13-Aug-18	1.10	
07-Sep-18	11-Sep-18	18-Sep-18	3.90	Org.Matter/Light Grey
04-Oct-18	08-Oct-18	19-Oct-18	3.53	Light Brown/Org. Matter
05-Nov-18	07-Nov-18	16-Nov-18	1.23	Org. Matter
06-Dec-18	12-Dec-18	19-Dec-18	6.30	Coudy, Insects
04-Jan-19	08-Jan-19	18-Jan-19	6.07	Org.Matter

Sampling Point: Monitoring Point 5 - Ambient Air Monitoring South of Mill

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424



Parameters Monitored **Particulates - Deposited Matter**
 Monitoring Frequency Continuous with sample results extrapolated from sample period of 30 ± 2 days

Limits Not Applicable

Comments Laboratory Analysis

Date Sample Collected	Date Received	Date Published	Results (g/m ² /month)	Notes
05-Jan-18	10-Jan-18	25-Jan-18	0.91	Org. Matter
05-Feb-18	09-Feb-18	13-Feb-18	1.05	Clean with dirt
07-Mar-18	08-Mar-18	20-Mar-18	2.79	Insects/Org. Matter
06-Apr-18	11-Apr-18	27-Apr-18	0.75	Some org. Matter
09-May-18	11-May-18	24-May-18	0.78	Some Organic Matter/insect
07-Jun-18	13-Jun-18	29-Jun-18	1.78	Cloudy
06-Jul-18	11-Jul-18	16-Jul-18	2.09	Org. Matter
07-Aug-18	10-Aug-18	13-Aug-18	2.20	
07-Sep-18	11-Sep-18	18-Sep-18	3.60	Org.Matter/Light Grey
04-Oct-18	08-Oct-18	19-Oct-18	2.03	Org. Matter
05-Nov-18	07-Nov-18	16-Nov-18	0.90	
06-Dec-18	12-Dec-18	19-Dec-18	4.85	Coudy, Insects
04-Jan-19	08-Jan-19	18-Jan-19	3.00	Brown/Org.Matter

Sampling Point: Monitoring Point 6 - O₂ Boiler Prior to Primary Air Heater

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameter/s Monitored Carbon Monoxide & Oxygen
 Frequency & Method Continuous Online Sampling
 Limit No Limits Prescribed
 Comments The results in the table provide a summary of the minimum, maximum and mean daily values for the period indicated



MONITORING PERIOD			Oxygen (%)			Notes
Date Start	Date Finish	Date Published	Minimum Value	Maximum Value	Mean Value	
1-Jan-18	7-Jan-18	10-Jan-18	3.46	12.80	6.16	
8-Jan-18	14-Jan-18	11-Jan-18	2.26	9.47	5.63	
15-Jan-18	21-Jan-18	12-Jan-18	2.42	12.56	5.72	
22-Jan-18	28-Jan-18	13-Jan-18	1.56	19.59	7.03	
29-Jan-18	4-Feb-18	14-Jan-18	1.85	11.40	5.45	
5-Feb-18	11-Feb-18	15-Jan-18	1.00	9.52	5.45	
12-Feb-18	18-Feb-18	14-Mar-18	0.91	10.61	5.06	
19-Feb-18	25-Feb-18	14-Mar-18	2.21	10.08	5.45	
26-Feb-18	4-Mar-18	14-Mar-18	2.39	19.65	12.94	Plant Shutdown 01-03-18 - 22-03-18
5-Mar-18	11-Mar-18	16-Apr-18	n/a	n/a	n/a	Plant Shutdown 01-03-18 - 22-03-18
12-Mar-18	18-Mar-18	16-Apr-18	n/a	n/a	n/a	Plant Shutdown 01-03-18 - 22-03-18
19-Mar-18	25-Mar-18	16-Apr-18	0.00	21.00	9.68	Plant Shutdown 01-03-18 - 22-03-18
26-Mar-18	1-Apr-18	16-Apr-18	2.52	15.76	6.30	
2-Apr-18	8-Apr-18	16-Apr-18	2.80	20.97	7.29	
9-Apr-18	15-Apr-18	25-May-18	2.80	11.60	6.53	
16-Apr-18	22-Apr-18	25-May-18	3.99	10.47	6.50	
23-Apr-18	29-Apr-18	25-May-18	3.03	21.22	6.83	
30-Apr-18	6-May-18	25-May-18	2.72	16.27	6.77	
7-May-18	13-May-18	25-May-18	2.19	11.97	6.50	
14-May-18	20-May-18	22-Jun-18	3.07	12.52	6.48	
21-May-18	27-May-18	22-Jun-18	3.39	12.13	6.79	
28-May-18	3-Jun-18	22-Jun-18	0.00	21.12	15.88	Plant Shutdown 28-05-18 01-06-18
4-Jun-18	10-Jun-18	12-Jul-18	3.06	11.68	6.86	
11-Jun-18	17-Jun-18	12-Jul-18	0.01	11.07	4.68	
18-Jun-18	24-Jun-18	12-Jul-18	0.01	15.84	3.84	
25-Jun-18	1-Jul-18	12-Jul-18	0.01	7.97	3.12	
2-Jul-18	8-Jul-18	13-Aug-18	0.01	16.76	3.78	
9-Jul-18	15-Jul-18	13-Aug-18	0.01	13.47	2.76	
16-Jul-18	22-Jul-18	13-Aug-18	0.01	9.67	3.16	
23-Jul-18	29-Jul-18	13-Aug-18	0.01	7.50	2.99	
30-Jul-18	5-Aug-18	13-Aug-18	0.01	21.17	3.70	
6-Aug-18	12-Aug-18	18-Sep-18	0.01	21.15	5.31	
13-Aug-18	19-Aug-18	18-Sep-18	0.01	22.32	3.47	
20-Aug-18	26-Aug-18	18-Sep-18	0.01	20.54	4.24	
27-Aug-18	2-Sep-18	18-Sep-18	0.01	19.92	4.12	
3-Sep-18	9-Sep-18	19-Oct-18	0.01	15.98	4.04	
10-Sep-18	16-Sep-18	19-Oct-18	0.01	12.94	3.07	
17-Sep-18	23-Sep-18	19-Oct-18	0.01	20.35	3.22	
24-Sep-18	30-Sep-18	19-Oct-18	0.01	13.46	2.61	
1-Oct-18	7-Oct-18	19-Oct-18	0.01	11.12	3.18	
8-Oct-18	14-Oct-18	16-Nov-18	0.01	16.05	3.75	
15-Oct-18	21-Oct-18	16-Nov-18	0.61	20.04	6.73	
22-Oct-18	28-Oct-18	16-Nov-18	0.02	20.28	4.20	
29-Oct-18	4-Nov-18	16-Nov-18	0.05	8.58	3.79	
5-Nov-18	11-Nov-18	19-Dec-18	0.01	8.52	3.33	
12-Nov-18	18-Nov-18	19-Dec-18	0.02	9.11	3.60	
19-Nov-18	25-Nov-18	19-Dec-18	0.01	8.46	3.46	
26-Nov-18	2-Dec-18	19-Dec-18	0.01	20.71	4.56	
3-Dec-18	9-Dec-18	18-Jan-19	0.01	20.53	10.47	
10-Dec-18	16-Dec-18	18-Jan-19	0.01	11.67	5.56	
17-Dec-18	23-Dec-18	18-Jan-19	0.00	20.32	6.82	
24-Dec-18	30-Dec-18	18-Jan-19	1.63	20.31	8.95	
31-Dec-18	6-Jan-19	18-Jan-19	1.69	10.72	5.99	

Sampling Point: **Monitoring Point 8 - Injection Water Inlet, Background River Water Temperature**
 Licence Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameters Monitored Temperature (°C)
 Frequency & Method Fortnightly Representative Sample.
 Limit/s Not Applicable - Background river data is used to determine temperature of cooling water discharged at monitoring point 9



Comments

Date Sampled & Received	Date Published	Temp (°C)	Notes
02-Jan-18	10-Jan-18	28.5	
9-Jan-18	10-Jan-18	28.0	
16-Jan-18	13-Jan-18	26.5	
23-Jan-18	13-Jan-18	27.5	
29-Jan-18	13-Jan-18	28.0	
5-Jan-18	13-Jan-18	28.0	
23-Jan-18	13-Jan-18	27.0	
29-Jan-18	13-Jan-18	30.0	
5-Feb-18	20-Feb-18	28.0	
09-Feb-18	20-Feb-18	27.0	
12-Feb-18	20-Feb-18	30.0	
21-Feb-18	07-Mar-18	30.0	
26-Feb-18	07-Mar-18	30.0	Plant Shutdown 01-03-18
19-Mar-18	20-Mar-18	28.0	Plant Restarted 22-03-18
26-Mar-18	17-Apr-18	28.0	
03-Apr-18	17-Apr-18	25.0	
10-Apr-18	17-Apr-18	27.0	
16-Apr-18	17-Apr-18	26.0	
24-Apr-18	25-May-18	25.0	
30-Apr-18	25-May-18	24.0	
9-May-18	25-May-18	24.0	
16-May-18	25-May-18	22.0	
21-May-18	25-May-18	24.0	
31-May-18	22-Jun-18	24.0	
04-Jun-18	22-Jun-18	24.0	
12-Jun-18	12-Jul-18	23.0	
20-Jun-18	12-Jul-18	21.0	
28-Jun-18	12-Jul-18	21.0	
2-Jul-18	12-Jul-18	21.0	
10-Jul-18	12-Jul-18	21.0	
16-Jul-18	13-Aug-18	21.0	
23-Jul-18	13-Aug-18	21.0	
30-Jul-18	13-Aug-18	22.0	
07-Aug-18	13-Aug-18	22.0	
13-Aug-18	13-Aug-18	22.0	
21-Aug-18	18-Sep-18	22.0	
27-Aug-18	18-Sep-18	22.0	
3-Sep-18	18-Sep-18	22.0	
11-Sep-18	18-Sep-18	22.0	
18-Sep-18	19-Oct-18	22.0	
25-Sep-18	19-Oct-18	21.9	
2-Oct-18	16-Nov-18	22.0	
8-Oct-18	16-Nov-18	19.5	
15-Oct-18	16-Nov-18	22.0	
24-Oct-18	16-Nov-18	24.0	
30-Oct-18	16-Nov-18	24.0	
5-Nov-18	16-Nov-18	24.0	
12-Nov-18	19-Dec-18	24.0	
21-Nov-18	19-Dec-18	24.0	
27-Nov-18	19-Dec-18	25.0	
3-Dec-18	19-Dec-18	26.0	
11-Dec-18	18-Jan-19	28.0	
17-Dec-18	18-Jan-19	29.0	
27-Dec-18	18-Jan-19	30.0	
4-Jan-19	18-Jan-19	30.0	

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameter/s Monitored See Table
 Frequency & Method Continuous Online
 Limit/s See Table
 Comments A 90 percentile limit means 90% of results must comply with the specified limit. No result may exceed the maximum.



The results in the table below provide a summary of the minimum, maximum and mean values for the period indicated. Any exceedences for period if applicable are described in the notes > Background means the temperature of the discharge above ambient river temperature. This value is determined by subtracting the river temperature from the discharged cooling water temperature. The reported temp values provide this difference between the discharge and river temp.

Temperature

MONITORING PERIOD			pH			Temperature Difference			Volume			Notes
Date Start	Date Finish	Date Published	Limit/s	Minimum	6.5	Limit/s	90 th Percentile	3°C > background	Limit/s	Not Prescribed		
			Maximum	8.5		Maximum	Maximum	5°C > background	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge	
			Minimum Reading	Maximum Reading	Mean of Readings	Minimum Temp Diff	Maximum Temp Diff	Mean Temp Diff				
1-Jan-18	7-Jan-18	14-Jan-18	7.88	8.18	8.10	-0.1	9.1	2.5	0	607	448	Temperature was exceeded for < 5 minutes
8-Jan-18	14-Jan-18	13-Feb-18	8.00	8.14	8.09	-0.5	12.1	2.7	0	588	460	Temperature was exceeded for <30 seconds
15-Jan-18	21-Jan-18	13-Feb-18	8.03	8.15	8.10	-2.1	5.6	2.2	0	768	477	Temperature was exceeded for <90 seconds
22-Jan-18	28-Jan-18	13-Feb-18	7.84	8.29	8.09	-4.6	4.2	2.5	0	762	554	
29-Jan-18	4-Feb-18	13-Feb-18	7.84	8.16	8.10	-0.9	4.5	1.2	0	723	511	
5-Feb-18	11-Feb-18	13-Feb-18	7.88	8.20	8.10	-0.6	5.1	1.9	0	705	533	Temperature was exceeded for <30 seconds
12-Feb-18	18-Feb-18	14-Mar-18	6.54	8.32	8.10	1.1	6.3	3.0	0	686	563	Temperature was exceeded for <30 seconds
19-Feb-18	25-Feb-18	14-Mar-18	7.15	8.20	8.10	-0.6	8.6	2.0	0	654	553	Temperature was exceeded for <30 seconds
26-Feb-18	4-Mar-18	14-Mar-18	7.29	8.21	7.99	-9.8	8.0	-0.7	0	621	200	Temperature was exceeded for <30 seconds
5-Mar-18	11-Mar-18	16-Apr-18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Plant Shutdown 01-03-18 - 22-03-18
12-Mar-18	18-Mar-18	16-Apr-18	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Plant Shutdown 01-03-18 - 22-03-19
19-Mar-18	25-Mar-18	16-Apr-18	7.97	8.18	8.10	-2.5	1.7	0.1	0	449	195	Plant Shutdown 01-03-18 - 22-03-20
26-Mar-18	1-Apr-18	16-Apr-18	7.99	8.20	8.10	-3.3	9.3	2.2	0	642	276	Temperature was exceeded for <5 minutes (26/03/18)

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameter/s Monitored See Table
 Frequency & Method Continuous Online
 Limit/s See Table
 Comments A 90 percentile limit means 90% of results must comply with the specified limit. No result may exceed the maximum.



The results in the table below provide a summary of the minimum, maximum and mean values for the period indicated. Any exceedences for period if applicable are described in the notes > Background means the temperature of the discharge above ambient river temperature. This value is determined by subtracting the river temperature from the discharged cooling water temperature. The reported temp values provide this difference between the discharge and river temp.

Temperature

MONITORING PERIOD			pH			Temperature Difference			Volume			Notes
			Limit/s	Minimum	6.5	Limit/s	90 th Percentile	3°C > background	Limit/s	Not Prescribed		
Date Start	Date Finish	Date Published	Minimum Reading	Maximum Reading	Mean of Readings	Minimum Temp Diff	Maximum Temp Diff	Mean Temp Diff	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge	
2-Apr-18	8-Apr-18	16-Apr-18	6.71	8.39	8.12	-6.9	5.7	2.6	0	627	279	Temperature was exceeded for <10 minutes (03/04/18)
9-Apr-18	15-Apr-18	25-May-18	8.04	8.25	8.11	-2.3	4.0	2.1	0	608	318	
16-Apr-18	22-Apr-18	25-May-18	7.54	8.24	8.10	-4.3	4.0	1.7	0	597	347	
23-Apr-18	29-Apr-18	25-May-18	7.52	8.30	8.11	-5.9	4.0	1.4	0	601	382	
30-Apr-18	6-May-18	25-May-18	7.39	8.24	8.12	-3.8	4.0	2.6	0	626	387	
7-May-18	13-May-18	25-May-18	8.03	8.20	8.10	-3.4	4.3	1.9	0	633	337	
14-May-18	20-May-18	22-Jun-18	6.54	8.35	8.11	-6.2	5.0	1.6	0	724	381	
21-May-18	27-May-18	22-Jun-18	8.00	8.23	8.10	-3.0	3.6	1.0	0	656	350	
28-May-18	3-Jun-18	22-Jun-18	7.76	8.29	8.04	-11.8	2.3	-0.9	0	629	114	
4-Jun-18	10-Jun-18	12-Jul-18	8.02	8.27	8.13	-4.8	3.5	1.1	0	636	403	
11-Jun-18	17-Jun-18	12-Jul-18	7.13	9.42	8.07	-7.4	2.4	-0.9	0	598	206	high pH for <20 seconds due DCS recording averages for 10 second periods when valve is closing
18-Jun-18	24-Jun-18	12-Jul-18	7.88	8.72	8.14	-8.0	2.2	-0.4	0	428	311	high pH for <10 seconds due DCS recording averages for 10 second periods when valve is closing
25-Jun-18	1-Jul-18	12-Jul-18	7.92	8.35	8.10	-3.6	3.6	1.0	0	422	330	
2-Jul-18	8-Jul-18	13-Aug-18	7.95	8.21	8.11	-1.6	4.2	2.1	0	415	346	
9-Jul-18	15-Jul-18	13-Aug-18	7.55	8.27	8.13	-3.5	2.1	-0.5	0	416	275	
16-Jul-18	22-Jul-18	13-Aug-18	8.02	8.44	8.21	-4.8	2.3	-1.1	0	523	355	
23-Jul-18	29-Jul-18	13-Aug-18	6.91	9.83	8.23	-3.3	3.3	0.4	0	393	298	High pH for <30 seconds on the 27/07/18 due to calibration and 10 second averages
30-Jul-18	5-Aug-18	13-Aug-18	7.96	8.40	8.11	-8.8	2.5	-0.6	0	361	295	

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameter/s Monitored See Table
 Frequency & Method Continuous Online
 Limit/s See Table
 Comments A 90 percentile limit means 90% of results must comply with the specified limit. No result may exceed the maximum.



The results in the table below provide a summary of the minimum, maximum and mean values for the period indicated. Any exceedences for period if applicable are described in the notes > Background means the temperature of the discharge above ambient river temperature. This value is determined by subtracting the river temperature from the discharged cooling water temperature. The reported temp values provide this difference between the discharge and river temp.

Temperature

MONITORING PERIOD			pH			Temperature Difference			Volume			Notes
			Limit/s	Minimum	6.5	Limit/s	90 th Percentile	3°C > background	Limit/s	Not Prescribed		
Date Start	Date Finish	Date Published	Minimum Reading	Maximum Reading	Mean of Readings	Minimum Temp Diff	Maximum Temp Diff	Mean Temp Diff	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge	
6-Aug-18	12-Aug-18	18-Sep-18	4.19	9.41	8.13	-11.8	3.9	-0.5	0	347	235	high and low pH occurred on 10-08-18 due to calibration and 10 second averages
13-Aug-18	19-Aug-18	18-Sep-18	7.97	8.31	8.12	-7.5	1.5	-1.3	329	453	341	
20-Aug-18	26-Aug-18	18-Sep-18	7.97	8.38	8.11	-6.8	1.5	-2.1	0	369	248	
27-Aug-18	2-Sep-18	18-Sep-18	7.76	8.30	8.10	-4.4	3.1	-0.4	0	384	263	
3-Sep-18	9-Sep-18	19-Oct-18	6.50	9.56	8.20	-3.7	3.5	0.7	0	398	278	High pH recorded for 10 seconds on 07-09-18 due to calibration and valve auto-shutting
10-Sep-18	16-Sep-18	19-Oct-18	7.25	8.50	8.20	-4.6	4.0	1.6	0	567	306	
17-Sep-18	23-Sep-18	19-Oct-18	6.59	9.88	8.12	-2.7	3.6	1.1	0	384	339	High pH recorded for <20 seconds on 18-09-18. Recorded form 10 second
24-Sep-18	30-Sep-18	19-Oct-18	7.98	8.22	8.10	-1.0	4.0	1.3	0	371	278	
1-Oct-18	7-Oct-18	19-Oct-18	6.42	8.22	8.10	-2.7	5.5	1.4	0	350	98	High temperature differential for <90 seconds on 07-10-18. Low pH for <10 seconds on 07-10-18
8-Oct-18	14-Oct-18	16-Nov-18	7.96	8.32	8.10	-2.3	3.1	1.5	0	373	72	
15-Oct-18	21-Oct-18	16-Nov-18	7.89	8.38	8.10	-3.6	7.1	1.7	0	345	57	High temperature recorded on 20-10-18 for <20 seconds
22-Oct-18	28-Oct-18	16-Nov-18	7.88	8.31	8.10	-2.3	7.1	1.9	0	522	46	High temperature recorded on 24-10-18 for <3 minutes
29-Oct-18	4-Nov-18	16-Nov-18	6.92	8.22	8.10	-6.5	5.1	1.8	0	410	47	High temperature recorded on 04-11-18 for <30 seconds
5-Nov-18	11-Nov-18	19-Dec-18	7.99	8.20	8.10	-6.3	5.8	-1.1	0	534	100	High temperature recorded on 06-11-18 for <4 minutes
12-Nov-18	18-Nov-18	19-Dec-18	7.80	8.41	8.11	-4.1	2.9	-1.0	0	459	306	
19-Nov-18	25-Nov-18	19-Dec-18	7.50	8.25	8.11	-5.5	1.8	-1.9	0	296	225	
26-Nov-18	2-Dec-18	19-Dec-18	4.93	9.08	8.11	-8.7	6.9	1.7	0	288	188	Low pH recorded for <30 seconds on 27-11-18 high pH recorded for <10 seconds on 27-11-18. Excursions due to calibrations and 10 second averages taken High temperature differential for <10 minutes on 28-11-18
3-Dec-18	9-Dec-18	18-Jan-19	7.90	8.31	8.10	-7.3	5.1	1.8	0	806	306	High temperature recorded on 09-12-18 for <30 seconds
10-Dec-18	16-Dec-18	18-Jan-19	3.71	9.92	8.30	-5.6	9.3	2.6	0	741	229	High Temperatures were recorded for <6 minutes, High pH for <30 seconds. Excursions due to cooling tower error, calibrations and repairs
17-Dec-18	23-Dec-18	18-Jan-19	-0.01	9.93	8.29	-6.5	5.1	1.3	0	732	282	pH probe was inaccurate for 30 minutes on the 19-12-18 and reading false due to cooling tower error and repairs
24-Dec-18	30-Dec-18	18-Jan-19	7.96	8.26	8.13	-13.0	3.6	-1.2	0	703	370	High temperature recorded on 20-12-18 for <3 minutes
31-Dec-18	6-Jan-19	18-Jan-19	6.31	8.45	8.26	-1.0	3.0	1.0	0	670	472	Low pH on the 6-01-19 for <1 minute

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424
 Parameter/s Monitored See Table
 Frequency & Method Weekly Composite (Laboratory Analysis) see comments for Total Residual Chlorine
 Limit/s See Table
 Comments A 90 percentile limit means 90% of results must comply with the specified limit. No result may exceed the maximum limit.



Total Residual Chlorine analysis is performed on site immediately from a grab sample. Therefore the results are received on the date of sampling

Date Sampled	Date Received	Date Published						Notes	
				BOD ₅ (mg/L)	TSS (mg/L)	Phosphorus (mg/L)	Nitrogen (mg/L)		Total Residual Chlorine (mg/L)
			90 Percentile Limit	30	40	2.5	45		0.3
			Maximum Limit	100	100	7.0	70	0.5	
02-Jan-18	02-Jan-18	16-Jan-18		4.5	10.0	0.27	22.4	0.38	
09-Jan-18	16-Jan-18	13-Feb-18		2.7	7.2	0.17	25.2	0.00	
16-Jan-18	24-Jan-18	13-Feb-18		8.4	12.0	0.23	17.0	0.00	
23-Jan-18	02-Feb-18	13-Feb-18		2.4	13.0	0.37	22.1	0.00	
29-Jan-18	06-Feb-18	13-Feb-18		4.2	18.0	0.41	20.2	0.05	
09-Feb-18	16-Feb-18	07-Mar-18		1.2	5.7	0.40	23.0	0.29	
12-Feb-18	19-Feb-18	07-Mar-18		3.9	8.7	0.45	27.6	0.06	
21-Feb-18	27-Feb-18	07-Mar-18		2.4	8.0	0.38	25.0	0.13	
26-Feb-18	05-Mar-18	07-Mar-18		<1.0	3.7	0.43	27.4	0.04	Plant Shut 01/03/18 22/03/18
26-Mar-18	26-Mar-18	17-Apr-18		4.2	2.5	0.51	23.4	0.40	
05-Apr-18	05-Apr-18	17-Apr-18		4.2	16.0	0.70	42.2	0.48	
10-Apr-18	10-Apr-18	18-Apr-18		1.2	5.6	0.53	31.3	0.06	
16-Apr-18	16-Apr-18	26-Apr-18		3.0	5.8	0.42	33.6	0.02	
24-Apr-18	24-Apr-18	24-May-18		2.7	6.8	0.35	37.5	0.01	
30-Apr-18	30-Apr-18	24-May-18		<1.0	5.7	0.26	33.0	0.10	
09-May-18	09-May-18	24-May-18		3.0	8.8	1.14	32.6	0.00	
16-May-18	16-May-18	24-May-18		3.0	5.0	1.30	34.0	0.05	
21-May-18	21-May-18	22-Jun-18		5.4	4.0	1.36	29.9	0.07	
04-Jun-18	04-Jun-18	22-Jun-18		4.8	7.7	1.22	28.9	0.24	Plant Shut 28/05/18 01/06/18
12-Jun-18	12-Jun-18	22-Jun-18		2.4	5.7	1.45	24.4	0.03	
20-Jun-18	20-Jun-18	12-Jul-18		3.9	11.0	1.40	58.2	0.01	
28-Jun-18	27-Jun-18	12-Jul-18		3.3	4.2	1.43	22.9	0.02	
02-Jul-18	02-Jul-18	12-Jul-18		4.2	7.0	1.55	20.6	0.04	
10-Jul-18	10-Jul-18	20-Jul-18		3.9	8.8	1.39	21.2	0.04	
16-Jul-18	16-Jul-18	13-Aug-18		8.4	7.3	1.21	21.8	0.04	
23-Jul-18	23-Jul-18	13-Aug-18		7.2	8.7	1.50	20.7	0.03	
30-Jul-18	30-Jul-18	13-Aug-18		5.4	12.0	1.86	20.5	0.06	
07-Aug-18	07-Aug-18	13-Aug-18		6.4	16.0	1.46	18.3	0.16	
13-Aug-18	13-Aug-18	18-Sep-18		5.1	13.0	2.05	15.6	0.05	

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge

Licencee Cape Byron Management Pty Ltd
 Location Condong Cogeneration Power Plant
 EPL No 20424

Parameter/s Monitored See Table

Frequency & Method Weekly Composite (Laboratory Analysis) see comments for Total Residual Chlorine

Limit/s See Table

Comments A 90 percentile limit means 90% of results must comply with the specified limit. No result may exceed the maximum limit.



Total Residual Chlorine analysis is performed on site immediately from a grab sample. Therefore the results are received on the date of sampling

Date Sampled	Date Received	Date Published						Notes		
			90 Percentile Limit	BOD ₅ (mg/L)	TSS (mg/L)	Phosphorus (mg/L)	Nitrogen (mg/L)		Total Residual Chlorine (mg/L)	
			Maximum Limit	30	40	2.5	45		0.3	
21-Aug-18	21-Aug-18	18-Sep-18		3.6	11.0	1.68	13.1	0.06		
27-Aug-18	27-Aug-18	18-Sep-18		1.8	13.0	1.89	16.3	0.19		
03-Sep-18	03-Sep-18	19-Oct-18		6.6	20.0	1.68	15.7	0.05		
11-Sep-18	11-Sep-18	19-Oct-18		2.1	13.0	1.56	20.8	n/a	No chlorine sample on this day, staffing error	
18-Sep-18	18-Sep-18	19-Oct-18		2.1	11.0	2.30	12.6	0.16		
25-Sep-18	25-Sep-18	19-Oct-18		5.4	8.0	1.68	16.4	0.03		
02-Oct-18	02-Oct-18	19-Oct-18		2.7	17.0	1.96	25.6	0.10		
08-Oct-18	08-Oct-18	16-Nov-18		<1.0	13.0	1.68	18.5	0.20		
15-Oct-18	15-Oct-18	16-Nov-18		3.3	30.0	1.74	16.5	0.20		
24-Oct-18	24-Oct-18	16-Nov-18		1.8	58.0	1.97	17.7	0.20		
30-Oct-18	30-Oct-18	16-Nov-18		2.7	68.0	1.85	20.1	0.43		
05-Nov-18	05-Nov-18	16-Nov-18		5.1	79.0	2.28	26.8	0.17		
12-Nov-18	12-Nov-18	19-Dec-18		3.6	58.0	2.74	28.1	0.26		
20-Nov-18	20-Nov-18	19-Dec-18		2.7	8.0	1.87	21.0	0.05		
27-Nov-18	27-Nov-18	19-Dec-18		6.0	14.0	3.30	35.7	0.05		
03-Dec-18	03-Dec-18	19-Dec-18		5.7	27.0	2.68	49.9	0.46		
10-Dec-18	10-Dec-18	18-Jan-19		3.3	19.0	1.47	30.2	0.05		
20-Dec-18	20-Dec-18	18-Jan-19		5.7	48.0	1.54	51.9	0.05		
27-Dec-18	27-Dec-18	18-Jan-19		6.0	26.0	0.90	19.9	0.00		
04-Jan-19	04-Jan-19	18-Jan-19		4.5	8.0	0.32	27.1	0.01		
07-Jan-19	07-Jan-19	18-Jan-19		3.3	12.0	0.37	24.0	0.00		

Sampling Point:
 Licence
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method

Monitoring Point 11 - Stockpile Stormwater Discharge
 Cape Byron Management Pty Ltd
 Condong Cogeneration Power Plant
 20424
 Rainfall
 Continuous Auto Sampler



TIPPING GAUGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Monday, 1 January 2018	9:01am	Tuesday, 2 January 2018	9:00am	4.0	0.0
Tuesday, 2 January 2018	9:01am	Wednesday, 3 January 2018	9:00am	28.2	0.0
Wednesday, 3 January 2018	9:01am	Thursday, 4 January 2018	9:00am	0.0	0.0
Thursday, 4 January 2018	9:01am	Friday, 5 January 2018	9:00am	0.0	0.0
Friday, 5 January 2018	9:01am	Saturday, 6 January 2018	9:00am	0.0	0.0
Saturday, 6 January 2018	9:01am	Sunday, 7 January 2018	9:00am	0.0	0.0
Sunday, 7 January 2018	9:01am	Monday, 8 January 2018	9:00am	0.0	0.0
Monday, 8 January 2018	9:01am	Tuesday, 9 January 2018	9:00am	0.0	0.0
Tuesday, 9 January 2018	9:01am	Wednesday, 10 January 2018	9:00am	0.0	0.0
Wednesday, 10 January 2018	9:01am	Thursday, 11 January 2018	9:00am	0.0	0.0
Thursday, 11 January 2018	9:01am	Friday, 12 January 2018	9:00am	0.0	0.0
Friday, 12 January 2018	9:01am	Saturday, 13 January 2018	9:00am	0.0	0.0
Saturday, 13 January 2018	9:01am	Sunday, 14 January 2018	9:00am	0.0	0.0
Sunday, 14 January 2018	9:01am	Monday, 15 January 2018	9:00am	0.0	0.0
Monday, 15 January 2018	9:01am	Tuesday, 16 January 2018	9:00am	0.0	0.0
Tuesday, 16 January 2018	9:01am	Wednesday, 17 January 2018	9:00am	0.0	0.0
Wednesday, 17 January 2018	9:01am	Thursday, 18 January 2018	9:00am	0.0	0.0
Thursday, 18 January 2018	9:01am	Friday, 19 January 2018	9:00am	0.0	0.0
Friday, 19 January 2018	9:01am	Saturday, 20 January 2018	9:00am	0.0	0.0
Saturday, 20 January 2018	9:01am	Sunday, 21 January 2018	9:00am	0.0	0.0
Sunday, 21 January 2018	9:01am	Monday, 22 January 2018	9:00am	0.0	0.0
Monday, 22 January 2018	9:01am	Tuesday, 23 January 2018	9:00am	0.0	0.0
Tuesday, 23 January 2018	9:01am	Wednesday, 24 January 2018	9:00am	0.0	0.0
Wednesday, 24 January 2018	9:01am	Thursday, 25 January 2018	9:00am	0.0	0.0
Thursday, 25 January 2018	9:01am	Friday, 26 January 2018	9:00am	1.4	0.4
Friday, 26 January 2018	9:01am	Saturday, 27 January 2018	9:00am	0.0	0.0
Saturday, 27 January 2018	9:01am	Sunday, 28 January 2018	9:00am	9.6	1.8
Sunday, 28 January 2018	9:01am	Monday, 29 January 2018	9:00am	12.2	1.4
Monday, 29 January 2018	9:01am	Tuesday, 30 January 2018	9:00am	16.2	1.0
Tuesday, 30 January 2018	9:01am	Wednesday, 31 January 2018	9:00am	0.6	0.2
Wednesday, 31 January 2018	9:01am	Thursday, 1 February 2018	9:00am	7.2	0.2
Thursday, 1 February 2018	9:01am	Friday, 2 February 2018	9:00am	11.6	0.2
Friday, 2 February 2018	9:01am	Saturday, 3 February 2018	9:00am	7.4	0.4
Saturday, 3 February 2018	9:01am	Sunday, 4 February 2018	9:00am	18.6	1.4
Sunday, 4 February 2018	9:01am	Monday, 5 February 2018	9:00am	2.8	0.6
Monday, 5 February 2018	9:01am	Tuesday, 6 February 2018	9:00am	1.4	0.4
Tuesday, 6 February 2018	9:01am	Wednesday, 7 February 2018	9:00am	0.0	0.0
Wednesday, 7 February 2018	9:01am	Thursday, 8 February 2018	9:00am	0.2	0.2
Thursday, 8 February 2018	9:01am	Friday, 9 February 2018	9:00am	0.2	0.2
Friday, 9 February 2018	9:01am	Saturday, 10 February 2018	9:00am	0.0	0.0
Saturday, 10 February 2018	9:01am	Sunday, 11 February 2018	9:00am	0.0	0.0
Sunday, 11 February 2018	9:01am	Monday, 12 February 2018	9:00am	0.2	0.2
Monday, 12 February 2018	9:01am	Tuesday, 13 February 2018	9:00am	0.2	0.2
Tuesday, 13 February 2018	9:01am	Wednesday, 14 February 2018	9:00am	0.0	0.0
Wednesday, 14 February 2018	9:01am	Thursday, 15 February 2018	9:00am	0.0	0.0
Thursday, 15 February 2018	9:01am	Friday, 16 February 2018	9:00am	0.2	0.2
Friday, 16 February 2018	9:01am	Saturday, 17 February 2018	9:00am	3.4	0.6
Saturday, 17 February 2018	9:01am	Sunday, 18 February 2018	9:00am	0.2	0.2
Sunday, 18 February 2018	9:01am	Monday, 19 February 2018	9:00am	0.0	0.0
Monday, 19 February 2018	9:01am	Tuesday, 20 February 2018	9:00am	0.6	0.2
Tuesday, 20 February 2018	9:01am	Wednesday, 21 February 2018	9:00am	8.6	1.4
Wednesday, 21 February 2018	9:01am	Thursday, 22 February 2018	9:00am	6.0	0.2
Thursday, 22 February 2018	9:01am	Friday, 23 February 2018	9:00am	43.2	0.8
Friday, 23 February 2018	9:01am	Saturday, 24 February 2018	9:00am	76.2	1.8
Saturday, 24 February 2018	9:01am	Sunday, 25 February 2018	9:00am	11.4	0.4
Sunday, 25 February 2018	9:01am	Monday, 26 February 2018	9:00am	2.6	0.2
Monday, 26 February 2018	9:01am	Tuesday, 27 February 2018	9:00am	51.8	3.0
Tuesday, 27 February 2018	9:01am	Wednesday, 28 February 2018	9:00am	0.0	0.0
Wednesday, 28 February 2018	9:01am	Thursday, 1 March 2018	9:00am	0.0	0.0
Thursday, 1 March 2018	9:01am	Friday, 2 March 2018	9:00am	0.0	0.0
Friday, 2 March 2018	9:01am	Saturday, 3 March 2018	9:00am	0.6	0.2
Saturday, 3 March 2018	9:01am	Sunday, 4 March 2018	9:00am	0.8	0.2
Sunday, 4 March 2018	9:01am	Monday, 5 March 2018	9:00am	0.6	0.2
Monday, 5 March 2018	9:01am	Tuesday, 6 March 2018	9:00am	33.0	1.0
Tuesday, 6 March 2018	9:01am	Wednesday, 7 March 2018	9:00am	55.2	0.8
Wednesday, 7 March 2018	9:01am	Thursday, 8 March 2018	9:00am	1.4	0.2
Thursday, 8 March 2018	9:01am	Friday, 9 March 2018	9:00am	3.4	0.4
Friday, 9 March 2018	9:01am	Saturday, 10 March 2018	9:00am	6.0	0.6
Saturday, 10 March 2018	9:01am	Sunday, 11 March 2018	9:00am	11.6	0.4
Sunday, 11 March 2018	9:01am	Monday, 12 March 2018	9:00am	5.2	0.4
Monday, 12 March 2018	9:01am	Tuesday, 13 March 2018	9:00am	4.2	0.6
Tuesday, 13 March 2018	9:01am	Wednesday, 14 March 2018	9:00am	11.6	1.0
Wednesday, 14 March 2018	9:01am	Thursday, 15 March 2018	9:00am	0.0	0.0
Thursday, 15 March 2018	9:01am	Friday, 16 March 2018	9:00am	0.0	0.0
Friday, 16 March 2018	9:01am	Saturday, 17 March 2018	9:00am	0.0	0.0
Saturday, 17 March 2018	9:01am	Sunday, 18 March 2018	9:00am	0.0	0.0
Sunday, 18 March 2018	9:01am	Monday, 19 March 2018	9:00am	0.2	0.2
Monday, 19 March 2018	9:01am	Tuesday, 20 March 2018	9:00am	0.0	0.0
Tuesday, 20 March 2018	9:01am	Wednesday, 21 March 2018	9:00am	0.2	0.2
Wednesday, 21 March 2018	9:01am	Thursday, 22 March 2018	9:00am	1.8	0.6
Thursday, 22 March 2018	9:01am	Friday, 23 March 2018	9:00am	41.6	1.4
Friday, 23 March 2018	9:01am	Saturday, 24 March 2018	9:00am	11.2	1.2
Saturday, 24 March 2018	9:01am	Sunday, 25 March 2018	9:00am	0.6	0.2
Sunday, 25 March 2018	9:01am	Monday, 26 March 2018	9:00am	0.2	0.2
Monday, 26 March 2018	9:01am	Tuesday, 27 March 2018	9:00am	0.0	0.0
Tuesday, 27 March 2018	9:01am	Wednesday, 28 March 2018	9:00am	28.2	0.8

Sampling Point:
 Licence
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method

Monitoring Point 11 - Stockpile Stormwater Discharge
 Cape Byron Management Pty Ltd
 Condong Cogeneration Power Plant
 20424
 Rainfall
 Continuous Auto Sampler



TIPPING GUAGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Wednesday, 28 March 2018	9:01am	Thursday, 29 March 2018	9:00am	9.2	0.4
Thursday, 29 March 2018	9:01am	Friday, 30 March 2018	9:00am	15.6	0.4
Friday, 30 March 2018	9:01am	Saturday, 31 March 2018	9:00am	1.0	0.2
Saturday, 31 March 2018	9:01am	Sunday, 1 April 2018	9:00am	2.6	0.6
Sunday, 1 April 2018	9:01am	Monday, 2 April 2018	9:00am	3.8	0.6
Monday, 2 April 2018	9:01am	Tuesday, 3 April 2018	9:00am	0.4	0.2
Tuesday, 3 April 2018	9:01am	Wednesday, 4 April 2018	9:00am	0.2	0.2
Wednesday, 4 April 2018	9:01am	Thursday, 5 April 2018	9:00am	4.4	0.4
Thursday, 5 April 2018	9:01am	Friday, 6 April 2018	9:00am	1.4	0.4
Friday, 6 April 2018	9:01am	Saturday, 7 April 2018	9:00am	0.2	0.2
Saturday, 7 April 2018	9:01am	Sunday, 8 April 2018	9:00am	1.8	0.8
Sunday, 8 April 2018	9:01am	Monday, 9 April 2018	9:00am	1.0	0.2
Monday, 9 April 2018	9:01am	Tuesday, 10 April 2018	9:00am	0.2	0.2
Tuesday, 10 April 2018	9:01am	Wednesday, 11 April 2018	9:00am	1.8	0.2
Wednesday, 11 April 2018	9:01am	Thursday, 12 April 2018	9:00am	0.0	0.0
Thursday, 12 April 2018	9:01am	Friday, 13 April 2018	9:00am	0.0	0.0
Friday, 13 April 2018	9:01am	Saturday, 14 April 2018	9:00am	0.0	0.0
Saturday, 14 April 2018	9:01am	Sunday, 15 April 2018	9:00am	0.0	0.0
Sunday, 15 April 2018	9:01am	Monday, 16 April 2018	9:00am	0.2	0.2
Monday, 16 April 2018	9:01am	Tuesday, 17 April 2018	9:00am	0.0	0.0
Tuesday, 17 April 2018	9:01am	Wednesday, 18 April 2018	9:00am	60.4	2.6
Wednesday, 18 April 2018	9:01am	Thursday, 19 April 2018	9:00am	0.4	0.2
Thursday, 19 April 2018	9:01am	Friday, 20 April 2018	9:00am	0.0	0.0
Friday, 20 April 2018	9:01am	Saturday, 21 April 2018	9:00am	2.8	0.2
Saturday, 21 April 2018	9:01am	Sunday, 22 April 2018	9:00am	3.4	0.4
Sunday, 22 April 2018	9:01am	Monday, 23 April 2018	9:00am	0.4	0.2
Monday, 23 April 2018	9:01am	Tuesday, 24 April 2018	9:00am	0.0	0.0
Tuesday, 24 April 2018	9:01am	Wednesday, 25 April 2018	9:00am	1.6	0.2
Wednesday, 25 April 2018	9:01am	Thursday, 26 April 2018	9:00am	6.8	0.8
Thursday, 26 April 2018	9:01am	Friday, 27 April 2018	9:00am	0.2	0.2
Friday, 27 April 2018	9:01am	Saturday, 28 April 2018	9:00am	0.2	0.2
Saturday, 28 April 2018	9:01am	Sunday, 29 April 2018	9:00am	7.8	0.8
Sunday, 29 April 2018	9:01am	Monday, 30 April 2018	9:00am	0.4	0.2
Monday, 30 April 2018	9:01am	Tuesday, 1 May 2018	9:00am	0.4	0.2
Tuesday, 1 May 2018	9:01am	Wednesday, 2 May 2018	9:00am	0.0	0.0
Wednesday, 2 May 2018	9:01am	Thursday, 3 May 2018	9:00am	0.0	0.0
Thursday, 3 May 2018	9:01am	Friday, 4 May 2018	9:00am	0.2	0.2
Friday, 4 May 2018	9:01am	Saturday, 5 May 2018	9:00am	0.0	0.0
Saturday, 5 May 2018	9:01am	Sunday, 6 May 2018	9:00am	0.0	0.0
Sunday, 6 May 2018	9:01am	Monday, 7 May 2018	9:00am	0.6	0.2
Monday, 7 May 2018	9:01am	Tuesday, 8 May 2018	9:00am	7.8	0.6
Tuesday, 8 May 2018	9:01am	Wednesday, 9 May 2018	9:00am	9.4	0.4
Wednesday, 9 May 2018	9:01am	Thursday, 10 May 2018	9:00am	0.2	0.2

Sampling Point:
 Licencee
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method

Monitoring Point 11 - Stockpile Stormwater Discharge
 Cape Byron Management Pty Ltd
 Condong Cogeneration Power Plant
 20424
 Rainfall
 Continuous Auto Sampler



TIPPING GUAGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Thursday, 10 May 2018	9:01am	Friday, 11 May 2018	9:00am	0.0	0.0
Friday, 11 May 2018	9:01am	Saturday, 12 May 2018	9:00am	0.0	0.0
Saturday, 12 May 2018	9:01am	Sunday, 13 May 2018	9:00am	0.0	0.0
Sunday, 13 May 2018	9:01am	Monday, 14 May 2018	9:00am	0.0	0.0
Monday, 14 May 2018	9:01am	Tuesday, 15 May 2018	9:00am	0.0	0.0
Tuesday, 15 May 2018	9:01am	Wednesday, 16 May 2018	9:00am	0.0	0.0
Wednesday, 16 May 2018	9:01am	Thursday, 17 May 2018	9:00am	0.0	0.0
Thursday, 17 May 2018	9:01am	Friday, 18 May 2018	9:00am	0.0	0.0
Friday, 18 May 2018	9:01am	Saturday, 19 May 2018	9:00am	0.0	0.0
Saturday, 19 May 2018	9:01am	Sunday, 20 May 2018	9:00am	0.2	0.2
Sunday, 20 May 2018	9:01am	Monday, 21 May 2018	9:00am	0.0	0.0
Monday, 21 May 2018	9:01am	Tuesday, 22 May 2018	9:00am	0.2	0.2
Tuesday, 22 May 2018	9:01am	Wednesday, 23 May 2018	9:00am	0.0	0.0
Wednesday, 23 May 2018	9:01am	Thursday, 24 May 2018	9:00am	0.2	0.2
Thursday, 24 May 2018	9:01am	Friday, 25 May 2018	9:00am	0.0	0.0
Friday, 25 May 2018	9:01am	Saturday, 26 May 2018	9:00am	0.2	0.2
Saturday, 26 May 2018	9:01am	Sunday, 27 May 2018	9:00am	9.2	0.4
Sunday, 27 May 2018	9:01am	Monday, 28 May 2018	9:00am	1.6	0.4
Monday, 28 May 2018	9:01am	Tuesday, 29 May 2018	9:00am	0.0	0.0
Tuesday, 29 May 2018	9:01am	Wednesday, 30 May 2018	9:00am	0.2	0.2
Wednesday, 30 May 2018	9:01am	Thursday, 31 May 2018	9:00am	0.0	0.0
Thursday, 31 May 2018	9:01am	Friday, 1 June 2018	9:00am	0.0	0.0
Friday, 1 June 2018	9:01am	Saturday, 2 June 2018	9:00am	0.0	0.0
Saturday, 2 June 2018	9:01am	Sunday, 3 June 2018	9:00am	0.0	0.0
Sunday, 3 June 2018	9:01am	Monday, 4 June 2018	9:00am	0.0	0.0
Monday, 4 June 2018	9:01am	Tuesday, 5 June 2018	9:00am	0.0	0.0
Tuesday, 5 June 2018	9:01am	Wednesday, 6 June 2018	9:00am	0.0	0.0
Wednesday, 6 June 2018	9:01am	Thursday, 7 June 2018	9:00am	0.0	0.0
Thursday, 7 June 2018	9:01am	Friday, 8 June 2018	9:00am	28.6	0.6
Friday, 8 June 2018	9:01am	Saturday, 9 June 2018	9:00am	6.2	0.4
Saturday, 9 June 2018	9:01am	Sunday, 10 June 2018	9:00am	6.2	0.8
Sunday, 10 June 2018	9:01am	Monday, 11 June 2018	9:00am	3.6	0.2
Monday, 11 June 2018	9:01am	Tuesday, 12 June 2018	9:00am	0.0	0.0
Tuesday, 12 June 2018	9:01am	Wednesday, 13 June 2018	9:00am	0.0	0.0
Wednesday, 13 June 2018	9:01am	Thursday, 14 June 2018	9:00am	0.0	0.0
Thursday, 14 June 2018	9:01am	Friday, 15 June 2018	9:00am	0.0	0.0
Friday, 15 June 2018	9:01am	Saturday, 16 June 2018	9:00am	0.0	0.0
Saturday, 16 June 2018	9:01am	Sunday, 17 June 2018	9:00am	0.0	0.0
Sunday, 17 June 2018	9:01am	Monday, 18 June 2018	9:00am	0.2	0.2
Monday, 18 June 2018	9:01am	Tuesday, 19 June 2018	9:00am	0.0	0.0
Tuesday, 19 June 2018	9:01am	Wednesday, 20 June 2018	9:00am	0.0	0.0
Wednesday, 20 June 2018	9:01am	Thursday, 21 June 2018	9:00am	0.0	0.0
Thursday, 21 June 2018	9:01am	Friday, 22 June 2018	9:00am	0.0	0.0
Friday, 22 June 2018	9:01am	Saturday, 23 June 2018	9:00am	0.0	0.0
Saturday, 23 June 2018	9:01am	Sunday, 24 June 2018	9:00am	0.0	0.0
Sunday, 24 June 2018	9:01am	Monday, 25 June 2018	9:00am	0.0	0.0
Monday, 25 June 2018	9:01am	Tuesday, 26 June 2018	9:00am	0.0	0.0
Tuesday, 26 June 2018	9:01am	Wednesday, 27 June 2018	9:00am	5.0	0.2
Wednesday, 27 June 2018	9:01am	Thursday, 28 June 2018	9:00am	10.2	0.6
Thursday, 28 June 2018	9:01am	Friday, 29 June 2018	9:00am	0.2	0.2
Friday, 29 June 2018	9:01am	Saturday, 30 June 2018	9:00am	0.2	0.2
Saturday, 30 June 2018	9:01am	Sunday, 1 July 2018	9:00am	0.0	0.0
Sunday, 1 July 2018	9:01am	Monday, 2 July 2018	9:00am	0.6	0.2
Monday, 2 July 2018	9:01am	Tuesday, 3 July 2018	9:00am	0.0	0.0
Tuesday, 3 July 2018	9:01am	Wednesday, 4 July 2018	9:00am	3.8	0.8
Wednesday, 4 July 2018	9:01am	Thursday, 5 July 2018	9:00am	6.4	0.4
Thursday, 5 July 2018	9:01am	Friday, 6 July 2018	9:00am	23.0	0.6
Friday, 6 July 2018	9:01am	Saturday, 7 July 2018	9:00am	3.0	0.2
Saturday, 7 July 2018	9:01am	Sunday, 8 July 2018	9:00am	0.0	0.0
Sunday, 8 July 2018	9:01am	Monday, 9 July 2018	9:00am	0.0	0.0
Monday, 9 July 2018	9:01am	Tuesday, 10 July 2018	9:00am	0.0	0.0
Tuesday, 10 July 2018	9:01am	Wednesday, 11 July 2018	9:00am	0.0	0.0
Wednesday, 11 July 2018	9:01am	Thursday, 12 July 2018	9:00am	4.6	0.2
Thursday, 12 July 2018	9:01am	Friday, 13 July 2018	9:00am	1.0	0.2
Friday, 13 July 2018	9:01am	Saturday, 14 July 2018	9:00am	0.0	0.0
Saturday, 14 July 2018	9:01am	Sunday, 15 July 2018	9:00am	0.2	0.2
Sunday, 15 July 2018	9:01am	Monday, 16 July 2018	9:00am	0.0	0.0
Monday, 16 July 2018	9:01am	Tuesday, 17 July 2018	9:00am	0.0	0.0
Tuesday, 17 July 2018	9:01am	Wednesday, 18 July 2018	9:00am	0.0	0.0
Wednesday, 18 July 2018	9:01am	Thursday, 19 July 2018	9:00am	0.0	0.0
Thursday, 19 July 2018	9:01am	Friday, 20 July 2018	9:00am	0.0	0.0
Friday, 20 July 2018	9:01am	Saturday, 21 July 2018	9:00am	0.0	0.0

Sampling Point:
 Licence
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method

Monitoring Point 11 - Stockpile Stormwater Discharge
 Cape Byron Management Pty Ltd
 Condong Cogeneration Power Plant
 20424
 Rainfall
 Continuous Auto Sampler



TIPPING GUAGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Saturday, 21 July 2018	9:01am	Sunday, 22 July 2018	9:00am	0.0	0.0
Sunday, 22 July 2018	9:01am	Monday, 23 July 2018	9:00am	0.0	0.0
Monday, 23 July 2018	9:01am	Tuesday, 24 July 2018	9:00am	0.0	0.0
Tuesday, 24 July 2018	9:01am	Wednesday, 25 July 2018	9:00am	0.0	0.0
Wednesday, 25 July 2018	9:01am	Thursday, 26 July 2018	9:00am	0.0	0.0
Thursday, 26 July 2018	9:01am	Friday, 27 July 2018	9:00am	0.0	0.0
Friday, 27 July 2018	9:01am	Saturday, 28 July 2018	9:00am	0.0	0.0
Saturday, 28 July 2018	9:01am	Sunday, 29 July 2018	9:00am	0.2	0.2
Sunday, 29 July 2018	9:01am	Monday, 30 July 2018	9:00am	1.8	0.2
Monday, 30 July 2018	9:01am	Tuesday, 31 July 2018	9:00am	0.0	0.0
Tuesday, 31 July 2018	9:01am	Wednesday, 1 August 2018	9:00am	0.0	0.0
Wednesday, 1 August 2018	9:01am	Thursday, 2 August 2018	9:00am	0.0	0.0
Thursday, 2 August 2018	9:01am	Friday, 3 August 2018	9:00am	0.0	0.0
Friday, 3 August 2018	9:01am	Saturday, 4 August 2018	9:00am	0.0	0.0
Saturday, 4 August 2018	9:01am	Sunday, 5 August 2018	9:00am	0.0	0.0
Sunday, 5 August 2018	9:01am	Monday, 6 August 2018	9:00am	0.0	0.0
Monday, 6 August 2018	9:01am	Tuesday, 7 August 2018	9:00am	1.4	0.2
Tuesday, 7 August 2018	9:01am	Wednesday, 8 August 2018	9:00am	0.0	0.0
Wednesday, 8 August 2018	9:01am	Thursday, 9 August 2018	9:00am	0.0	0.0
Thursday, 9 August 2018	9:01am	Friday, 10 August 2018	9:00am	0.0	0.0
Friday, 10 August 2018	9:01am	Saturday, 11 August 2018	9:00am	0.0	0.0
Saturday, 11 August 2018	9:01am	Sunday, 12 August 2018	9:00am	0.0	0.0
Sunday, 12 August 2018	9:01am	Monday, 13 August 2018	9:00am	0.0	0.0
Monday, 13 August 2018	9:01am	Tuesday, 14 August 2018	9:00am	0.0	0.0
Tuesday, 14 August 2018	9:01am	Wednesday, 15 August 2018	9:00am	0.0	0.0
Wednesday, 15 August 2018	9:01am	Thursday, 16 August 2018	9:00am	0.0	0.0
Thursday, 16 August 2018	9:01am	Friday, 17 August 2018	9:00am	0.0	0.0
Friday, 17 August 2018	9:01am	Saturday, 18 August 2018	9:00am	0.2	0.2
Saturday, 18 August 2018	9:01am	Sunday, 19 August 2018	9:00am	0.0	0.0
Sunday, 19 August 2018	9:01am	Monday, 20 August 2018	9:00am	0.0	0.0
Monday, 20 August 2018	9:01am	Tuesday, 21 August 2018	9:00am	0.0	0.0
Tuesday, 21 August 2018	9:01am	Wednesday, 22 August 2018	9:00am	0.0	0.0
Wednesday, 22 August 2018	9:01am	Thursday, 23 August 2018	9:00am	0.0	0.0
Thursday, 23 August 2018	9:01am	Friday, 24 August 2018	9:00am	0.0	0.0
Friday, 24 August 2018	9:01am	Saturday, 25 August 2018	9:00am	12.8	0.6
Saturday, 25 August 2018	9:01am	Sunday, 26 August 2018	9:00am	27.6	0.8
Sunday, 26 August 2018	9:01am	Monday, 27 August 2018	9:00am	4.4	0.4
Monday, 27 August 2018	9:01am	Tuesday, 28 August 2018	9:00am	0.2	0.2
Tuesday, 28 August 2018	9:01am	Wednesday, 29 August 2018	9:00am	0.8	0.2
Wednesday, 29 August 2018	9:01am	Thursday, 30 August 2018	9:00am	0.0	0.0
Thursday, 30 August 2018	9:01am	Friday, 31 August 2018	9:00am	0.0	0.0
Friday, 31 August 2018	9:01am	Saturday, 1 September 2018	9:00am	0.8	0.2
Saturday, 1 September 2018	9:01am	Sunday, 2 September 2018	9:00am	0.0	0.0
Sunday, 2 September 2018	9:01am	Monday, 3 September 2018	9:00am	0.0	0.0
Monday, 3 September 2018	9:01am	Tuesday, 4 September 2018	9:00am	9.6	0.2
Tuesday, 4 September 2018	9:01am	Wednesday, 5 September 2018	9:00am	16.6	1.0
Wednesday, 5 September 2018	9:01am	Thursday, 6 September 2018	9:00am	2.2	0.2
Thursday, 6 September 2018	9:01am	Friday, 7 September 2018	9:00am	0.2	0.2
Friday, 7 September 2018	9:01am	Saturday, 8 September 2018	9:00am	7.8	0.2
Saturday, 8 September 2018	9:01am	Sunday, 9 September 2018	9:00am	4.0	0.4
Sunday, 9 September 2018	9:01am	Monday, 10 September 2018	9:00am	0.2	0.2
Monday, 10 September 2018	9:01am	Tuesday, 11 September 2018	9:00am	0.0	0.0
Tuesday, 11 September 2018	9:01am	Wednesday, 12 September 2018	9:00am	0.0	0.0
Wednesday, 12 September 2018	9:01am	Thursday, 13 September 2018	9:00am	0.0	0.0
Thursday, 13 September 2018	9:01am	Friday, 14 September 2018	9:00am	0.0	0.0
Friday, 14 September 2018	9:01am	Saturday, 15 September 2018	9:00am	0.0	0.0
Saturday, 15 September 2018	9:01am	Sunday, 16 September 2018	9:00am	0.0	0.0
Sunday, 16 September 2018	9:01am	Monday, 17 September 2018	9:00am	0.0	0.0
Monday, 17 September 2018	9:01am	Tuesday, 18 September 2018	9:00am	0.0	0.0
Tuesday, 18 September 2018	9:01am	Wednesday, 19 September 2018	9:00am	0.0	0.0
Wednesday, 19 September 2018	9:01am	Thursday, 20 September 2018	9:00am	0.0	0.0
Thursday, 20 September 2018	9:01am	Friday, 21 September 2018	9:00am	4.4	1.0
Friday, 21 September 2018	9:01am	Saturday, 22 September 2018	9:00am	0.2	0.2
Saturday, 22 September 2018	9:01am	Sunday, 23 September 2018	9:00am	0.0	0.0
Sunday, 23 September 2018	9:01am	Monday, 24 September 2018	9:00am	0.0	0.0
Monday, 24 September 2018	9:01am	Tuesday, 25 September 2018	9:00am	2.6	0.2
Tuesday, 25 September 2018	9:01am	Wednesday, 26 September 2018	9:00am	0.0	0.0
Wednesday, 26 September 2018	9:01am	Thursday, 27 September 2018	9:00am	10.6	0.6
Thursday, 27 September 2018	9:01am	Friday, 28 September 2018	9:00am	0.0	0.0
Friday, 28 September 2018	9:01am	Saturday, 29 September 2018	9:00am	0.0	0.0
Saturday, 29 September 2018	9:01am	Sunday, 30 September 2018	9:00am	5.0	1.4
Sunday, 30 September 2018	9:01am	Monday, 1 October 2018	9:00am	0.8	0.2
Monday, 1 October 2018	9:01am	Tuesday, 2 October 2018	9:00am	0.0	0.0
Tuesday, 2 October 2018	9:01am	Wednesday, 3 October 2018	9:00am	0.0	0.0
Wednesday, 3 October 2018	9:01am	Thursday, 4 October 2018	9:00am	0.0	0.0
Thursday, 4 October 2018	9:01am	Friday, 5 October 2018	9:00am	0.0	0.0
Friday, 5 October 2018	9:01am	Saturday, 6 October 2018	9:00am	16.2	1.0
Saturday, 6 October 2018	9:01am	Sunday, 7 October 2018	9:00am	9.4	0.6

Sampling Point:
 Licence
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method

Monitoring Point 11 - Stockpile Stormwater Discharge
 Cape Byron Management Pty Ltd
 Condong Cogeneration Power Plant
 20424
 Rainfall
 Continuous Auto Sampler



TIPPING GAUGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Sunday, 7 October 2018	9:01am	Monday, 8 October 2018	9:00am	0.2	0.2
Monday, 8 October 2018	9:01am	Tuesday, 9 October 2018	9:00am	20.2	2.6
Tuesday, 9 October 2018	9:01am	Wednesday, 10 October 2018	9:00am	0.0	0.0
Wednesday, 10 October 2018	9:01am	Thursday, 11 October 2018	9:00am	12.4	1.0
Thursday, 11 October 2018	9:01am	Friday, 12 October 2018	9:00am	16.4	1.0
Friday, 12 October 2018	9:01am	Saturday, 13 October 2018	9:00am	15.6	0.8
Saturday, 13 October 2018	9:01am	Sunday, 14 October 2018	9:00am	36.6	0.8
Sunday, 14 October 2018	9:01am	Monday, 15 October 2018	9:00am	35.8	0.8
Monday, 15 October 2018	9:01am	Tuesday, 16 October 2018	9:00am	45.2	1.6
Tuesday, 16 October 2018	9:01am	Wednesday, 17 October 2018	9:00am	3.0	0.2
Wednesday, 17 October 2018	9:01am	Thursday, 18 October 2018	9:00am	8.6	0.4
Thursday, 18 October 2018	9:01am	Friday, 19 October 2018	9:00am	2.0	0.8
Friday, 19 October 2018	9:01am	Saturday, 20 October 2018	9:00am	0.2	0.2
Saturday, 20 October 2018	9:01am	Sunday, 21 October 2018	9:00am	0.4	0.2
Sunday, 21 October 2018	9:01am	Monday, 22 October 2018	9:00am	18.4	0.8
Monday, 22 October 2018	9:01am	Tuesday, 23 October 2018	9:00am	0.0	0.0
Tuesday, 23 October 2018	9:01am	Wednesday, 24 October 2018	9:00am	0.0	0.0
Wednesday, 24 October 2018	9:01am	Thursday, 25 October 2018	9:00am	0.0	0.0
Thursday, 25 October 2018	9:01am	Friday, 26 October 2018	9:00am	0.8	0.2
Friday, 26 October 2018	9:01am	Saturday, 27 October 2018	9:00am	0.0	0.0
Saturday, 27 October 2018	9:01am	Sunday, 28 October 2018	9:00am	0.0	0.0
Sunday, 28 October 2018	9:01am	Monday, 29 October 2018	9:00am	1.0	0.2
Monday, 29 October 2018	9:01am	Tuesday, 30 October 2018	9:00am	6.2	0.2
Tuesday, 30 October 2018	9:01am	Wednesday, 31 October 2018	9:00am	0.0	0.0
Wednesday, 31 October 2018	9:01am	Thursday, 1 November 2018	9:00am	0.0	0.0
Thursday, 1 November 2018	9:01am	Friday, 2 November 2018	9:00am	0.0	0.0
Friday, 2 November 2018	9:01am	Saturday, 3 November 2018	9:00am	0.0	0.0
Saturday, 3 November 2018	9:01am	Sunday, 4 November 2018	9:00am	0.0	0.0
Sunday, 4 November 2018	9:01am	Monday, 5 November 2018	9:00am	0.0	0.0
Monday, 5 November 2018	9:01am	Tuesday, 6 November 2018	9:00am	0.0	0.0
Tuesday, 6 November 2018	9:01am	Wednesday, 7 November 2018	9:00am	0.0	0.0
Wednesday, 7 November 2018	9:01am	Thursday, 8 November 2018	9:00am	0.2	0.2
Thursday, 8 November 2018	9:01am	Friday, 9 November 2018	9:00am	1.0	0.2
Friday, 9 November 2018	9:01am	Saturday, 10 November 2018	9:00am	0.0	0.0
Saturday, 10 November 2018	9:01am	Sunday, 11 November 2018	9:00am	4.0	0.4
Sunday, 11 November 2018	9:01am	Monday, 12 November 2018	9:00am	0.0	0.0
Monday, 12 November 2018	9:01am	Tuesday, 13 November 2018	9:00am	0.4	0.2
Tuesday, 13 November 2018	9:01am	Wednesday, 14 November 2018	9:00am	0.0	0.0
Wednesday, 14 November 2018	9:01am	Thursday, 15 November 2018	9:00am	0.0	0.0
Thursday, 15 November 2018	9:01am	Friday, 16 November 2018	9:00am	0.6	0.2
Friday, 16 November 2018	9:01am	Saturday, 17 November 2018	9:00am	0.0	0.0
Saturday, 17 November 2018	9:01am	Sunday, 18 November 2018	9:00am	38.4	1.6
Sunday, 18 November 2018	9:01am	Monday, 19 November 2018	9:00am	4.2	0.4
Monday, 19 November 2018	9:01am	Tuesday, 20 November 2018	9:00am	0.0	0.0
Tuesday, 20 November 2018	9:01am	Wednesday, 21 November 2018	9:00am	0.0	0.0
Wednesday, 21 November 2018	9:01am	Thursday, 22 November 2018	9:00am	0.0	0.0
Thursday, 22 November 2018	9:01am	Friday, 23 November 2018	9:00am	7.6	0.8
Friday, 23 November 2018	9:01am	Saturday, 24 November 2018	9:00am	0.0	0.0
Saturday, 24 November 2018	9:01am	Sunday, 25 November 2018	9:00am	0.0	0.0
Sunday, 25 November 2018	9:01am	Monday, 26 November 2018	9:00am	0.0	0.0
Monday, 26 November 2018	9:01am	Tuesday, 27 November 2018	9:00am	0.0	0.0
Tuesday, 27 November 2018	9:01am	Wednesday, 28 November 2018	9:00am	0.0	0.0
Wednesday, 28 November 2018	9:01am	Thursday, 29 November 2018	9:00am	0.6	0.4
Thursday, 29 November 2018	9:01am	Friday, 30 November 2018	9:00am	0.0	0.0
Friday, 30 November 2018	9:01am	Saturday, 1 December 2018	9:00am	0.0	0.0
Saturday, 1 December 2018	9:01am	Sunday, 2 December 2018	9:00am	0.0	0.0
Sunday, 2 December 2018	9:01am	Monday, 3 December 2018	9:00am	0.0	0.0
Monday, 3 December 2018	9:01am	Tuesday, 4 December 2018	9:00am	0.0	0.0
Tuesday, 4 December 2018	9:01am	Wednesday, 5 December 2018	9:00am	36.2	1.8
Wednesday, 5 December 2018	9:01am	Thursday, 6 December 2018	9:00am	6.2	0.8
Thursday, 6 December 2018	9:01am	Friday, 7 December 2018	9:00am	0.4	0.2
Friday, 7 December 2018	9:01am	Saturday, 8 December 2018	9:00am	0.4	0.2
Saturday, 8 December 2018	9:01am	Sunday, 9 December 2018	9:00am	1.2	0.2
Sunday, 9 December 2018	9:01am	Monday, 10 December 2018	9:00am	1.2	0.2
Monday, 10 December 2018	9:01am	Tuesday, 11 December 2018	9:00am	0.0	0.0
Tuesday, 11 December 2018	9:01am	Wednesday, 12 December 2018	9:00am	0.0	0.0
Wednesday, 12 December 2018	9:01am	Thursday, 13 December 2018	9:00am	0.0	0.0
Thursday, 13 December 2018	9:01am	Friday, 14 December 2018	9:00am	0.0	0.0
Friday, 14 December 2018	9:01am	Saturday, 15 December 2018	9:00am	2.2	0.2
Saturday, 15 December 2018	9:01am	Sunday, 16 December 2018	9:00am	2.6	0.2
Sunday, 16 December 2018	9:01am	Monday, 17 December 2018	9:00am	20.0	0.4
Monday, 17 December 2018	9:01am	Tuesday, 18 December 2018	9:00am	9.2	0.8
Tuesday, 18 December 2018	9:01am	Wednesday, 19 December 2018	9:00am	0.2	0.2
Wednesday, 19 December 2018	9:01am	Thursday, 20 December 2018	9:00am	0.0	0.0
Thursday, 20 December 2018	9:01am	Friday, 21 December 2018	9:00am	0.0	0.0
Friday, 21 December 2018	9:01am	Saturday, 22 December 2018	9:00am	12.2	1.6
Saturday, 22 December 2018	9:01am	Sunday, 23 December 2018	9:00am	56.0	2.4
Sunday, 23 December 2018	9:01am	Monday, 24 December 2018	9:00am	0.4	0.2
Monday, 24 December 2018	9:01am	Tuesday, 25 December 2018	9:00am	0.2	0.2
Tuesday, 25 December 2018	9:01am	Wednesday, 26 December 2018	9:00am	0.0	0.0
Wednesday, 26 December 2018	9:01am	Thursday, 27 December 2018	9:00am	0.0	0.0
Thursday, 27 December 2018	9:01am	Friday, 28 December 2018	9:00am	0.0	0.0
Friday, 28 December 2018	9:01am	Saturday, 29 December 2018	9:00am	0.0	0.0
Saturday, 29 December 2018	9:01am	Sunday, 30 December 2018	9:00am	1.4	0.6
Sunday, 30 December 2018	9:01am	Monday, 31 December 2018	9:00am	0.0	0.0
Monday, 31 December 2018	9:01am	Tuesday, 1 January 2019	9:00am	0.0	0.0

Licencee
Location
EPL No

Cape Byron Management Pty Ltd
Condong Power Plant
20424



MONITORING REPORT CORRECTIONS LOG

Date / Period	Monitoring Point	Pollutant/Parameter	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
15/12/14-18/12/14	Point 9	Maximum Temperature	14.40	2.84	12-Mar-15	06-Feb-15	Non representative data out of DCS incorrectly used in original report
20/1/15-24/1/15	Point 9	Maximum pH	8.60	8.44	12-Mar-15	06-Feb-15	Non representative data out of DCS incorrectly used in original report
16/2/15-1/3/15	Point 9	Maximum pH	8.60	8.45	12-Mar-15	09-Mar-15	Non representative data out of DCS incorrectly used in original report
25/7/16-31/7/16	Point 9	Minimum pH	-0.06	7.04	23-Sep-16	19-Aug-16	Probe was replaced and calibrated on 27 July resulting in 2 hours of incorrect readings, this was not representative of pH of cooling tower.
10/6/16-10/10/16	Points 2, 4 & 5	Dust	various	various	14-Nov-16	various	Used incorrect value on lab results sheet.
22/8/16-28/8/16	Point 7	Temperature Differential	-10.6, 5.3, -0.86	-6.4, 3, -0.11	14-Nov-16	23-Sep-16	Temperature differential values originally recorded when blow down valve was not open.
5/9/16-11/9/16	Point 7	Temperature Differential	-6, 5.1, 1.15	-6.3, 3.4, 0.89	14-Nov-16	23-Sep-16	
	Point 9	Minimum pH	0.61	7.71	06-Jun-17	14-Nov-16	Reading corrected to 15 minute average
	Point 9	Minimum pH	0.83	7.87	06-Jun-17	23-Jan-17	Reading corrected to 15 minute average
02/10/17- 08/10/18	Point 9	Minimum pH	1.10	7.02	06-Jun-18	13-Nov-18	Reading was due to calibration methods
16/04/18 - 22/04/18	Point 9	Maximum pH	8.64	8.24	07-Jun-18	25-May-18	Reading was due to calibration methods
14/08/17 - 20/08/17	Point 9	Temperature Differential	7.30	4.60	12-Sep-17	08-Jul-18	Incorrect data template used