



## **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:  
 Licence  
 Location  
 EPL No  
 Parameters Monitored  
 Frequency & Method  
 Limits

**Monitoring Point 1 - No 1 Boiler Stack Emissions**  
 Cape Byron Management Pty Ltd  
 Condong Cogeneration Power Plant  
 20424 [www.environment.nsw.gov.au](http://www.environment.nsw.gov.au)  
 see individual parameters in table  
 Annually in accordance with EPA protocols  
 see individual parameters in table



			Results Table			
			AE 12202	AE 12329	AE 13050	AE 13192
Test Number			29/10/2019	22/01/2020	22/04/2020	17/07/2020
Sampling Date			6/11/2019	6/02/2020	20/05/2020	25/08/2020
Date Received			28/11/2019	6/03/2020	29/05/2020	28/08/2020
Date Published						
Measured Parameters	Units	Concentration Limit				
<b>dry @ STP and corrected to 7% O<sub>2</sub></b>						
Average stack gas temperature	°C	Not Applicable	64.00	63.00	60.00	50.00
Average velocity at sampling plane	m/s	Not Applicable	15.50	14.60	12.60	10.90
Dry Gas Volumetric Flowrate	m <sup>3</sup> /sec	Not Applicable	63.35	68.68	56.37	50.90
Dry Gas Density	kg/m <sup>3</sup>	Not Applicable	1.35	1.34	1.34	1.30
Molecular Weight of Stack Gases	g/g mole	Not Applicable	30.20	30.00	30.10	29.10
Moisture content	%	Not Applicable	20.10	8.50	14.00	13.10
Concentration of carbon dioxide	%	Not Applicable	11.55	9.50	10.10	2.75
Total Solid Particles	mg/m <sup>3</sup>	100.00	48.80	36.40	26.80	97.00
Sulphuric Acid Mist & Sulphur Trioxide as SO <sub>3</sub>	mg/m <sup>3</sup>	30.00	9.77	4.08	0.37	4.45
Nitrogen Oxides (NO <sub>x</sub> )	mg/m <sup>3</sup>	500.00	287.00	213.00	173.00	102.00

**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 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 <sup>2</sup> /month)	Notes
04-Dec-19	13-Dec-19	23-Jan-20	5.74	Fine Org. Matter, cloudy, beetle
02-Jan-20	13-Jan-20	23-Jan-20	2.46	Fine.Org.Matter,cloudy
03-Feb-20	10-Feb-20	06-Mar-20	1.80	Fine organic matter observed
04-Mar-20	16-Mar-20	01-Apr-20	0.06	Fine organic matter present
01-Apr-20	09-Apr-20	30-Apr-20	3.17	Fine organic matter
04-May-20	08-May-20	29-May-20	1.57	
03-Jun-20	19-Jun-20	29-Jun-20	3.49	
03-Jul-20	10-Jul-20	20-Jul-20	3.30	
03-Aug-20	19-Aug-20	28-Aug-20	7.10	
03-Sep-20	14-Sep-20	25-Sep-20	2.50	
06-Oct-20	15-Oct-20	22-Oct-20	3.01	

**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 **PM10**  
 Monitoring Frequency Once every 6 days when operating at stockpile  
 Limits Not Applicable  
 Comments



Date Sample Collected	Date Received	Date Published	Results (ug/m <sup>3</sup> )	Notes
05-Jan-20	14-Feb-20	06-Mar-20		Clock technical issue due to 2020 date roll over
11-Jan-20	14-Feb-20	06-Mar-20	29.0	
17-Jan-20	14-Feb-20	06-Mar-20	16.8	
23-Jan-20	14-Feb-20	06-Mar-20	16.9	
29-Jan-20	14-Feb-20	06-Mar-20	26.4	
04-Feb-20	12-Mar-20	01-Apr-20	28.4	
10-Feb-20	12-Mar-20	01-Apr-20	15.5	
16-Feb-20	12-Mar-20	01-Apr-20	16.7	
22-Feb-20	12-Mar-20	01-Apr-20	15.5	
28-Feb-20	12-Mar-20	01-Apr-20	30.7	
05-Mar-20	22-Apr-20	30-Apr-20	15.6	
11-Mar-20	22-Apr-20	30-Apr-20	26.5	
17-Mar-20	22-Apr-20	30-Apr-20	51.1	
23-Mar-20	22-Apr-20	30-Apr-20	32.1	
29-Mar-20	22-Apr-20	30-Apr-20	14.1	
04-Apr-20	22-Apr-20	30-Apr-20	8.3	
10-Apr-20	18-May-20	29-May-20	4.3	
16-Apr-20	18-May-20	29-May-20	32.8	
22-Apr-20	18-May-20	29-May-20	64.6	
28-Apr-20	18-May-20	29-May-20	13.6	
04-May-20	18-May-20	29-May-20	40.9	
10-May-20	16-Jun-20	29-Jun-20	13.6	
16-May-20	16-Jun-20	29-Jun-20	15.7	
22-May-20	16-Jun-20	29-Jun-20	25.7	
28-May-20	16-Jun-20	29-Jun-20	43.0	
03-Jun-20	16-Jun-20	29-Jun-20	49.3	
09-Jun-20	14-Jul-20	20-Jul-20	22.0	
15-Jun-20	14-Jul-20	20-Jul-20	17.0	
21-Jun-20	14-Jul-20	20-Jul-20	8.4	
27-Jun-20	14-Jul-20	20-Jul-20	32.4	
03-Jul-20	14-Jul-20	20-Jul-20	50.0	
09-Jul-20	18-Aug-20	28-Aug-20	6.8	
15-Jul-20	18-Aug-20	28-Aug-20	98.0	
21-Jul-20	18-Aug-20	28-Aug-20	74.1	
27-Jul-20	18-Aug-20	28-Aug-20	6.0	
02-Aug-20	18-Aug-20	28-Aug-20	10.2	
08-Aug-20	11-Sep-20	09-Oct-20	5.9	
14-Aug-20	11-Sep-20	09-Oct-20	34.6	
20-Aug-20	11-Sep-20	09-Oct-20	171.0	
26-Aug-20	11-Sep-20	09-Oct-20	44.8	
01-Sep-20	11-Sep-20	09-Oct-20	35.0	
07-Sep-20	19-Oct-20	22-Oct-20	19.3	
13-Sep-20	19-Oct-20	22-Oct-20	9.2	
19-Sep-20	19-Oct-20	22-Oct-20	10.6	
25-Sep-20	19-Oct-20	22-Oct-20	37.1	
01-Oct-20	19-Oct-20	22-Oct-20	26.0	

**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 <sup>2</sup> /month)	Notes
02-Jan-20	13-Jan-20	23-Jan-20	3.20	Fine Org.Matter, cloudy
03-Feb-20	10-Feb-20	06-Mar-20	1.30	Fine organic matter observed
04-Mar-20	16-Mar-20	01-Apr-20	0.42	Fine organic matter present
01-Apr-20	09-Apr-20	30-Apr-20	4.64	Large organic Matter
04-May-20	08-May-20	29-May-20	0.28	
03-Jun-20	19-Jun-20	29-Jun-20	2.76	
03-Jul-20	10-Jul-20	20-Jul-20	1.70	
03-Aug-20	19-Aug-20	28-Aug-20	1.60	
03-Sep-20	14-Sep-20	25-Sep-20	2.30	
06-Oct-20	15-Oct-20	22-Oct-20	8.04	

**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 <sup>2</sup> /month)	Notes
02-Jan-20	13-Jan-20	23-Jan-20	2.46	Fine Org. Matter
03-Feb-20	10-Feb-20	06-Mar-20	0.40	Fine organic matter observed
04-Mar-20	16-Mar-20	01-Apr-20	0.11	Fine organic matter present
01-Apr-20	09-Apr-20	30-Apr-20	0.85	Fine organic matter
04-May-20	08-May-20	29-May-20	4.55	Brown, chopped grass
03-Jun-20	19-Jun-20	29-Jun-20	0.53	
03-Jul-20	10-Jul-20	20-Jul-20	1.50	
03-Aug-20	19-Aug-20	28-Aug-20	2.10	
03-Sep-20	14-Sep-20	25-Sep-20	4.90	
06-Oct-20	15-Oct-20	22-Oct-20	3.70	

**Sampling Point: Monitoring Point 6 - O<sub>2</sub> Boiler Prior to Primary Air Heater**

Licencee Cape Byron Management Pty Ltd  
 Location Condong Cogeneration Power Plant  
 EPL No 20424  
 Parameter/s Monitored 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	
30-Dec-19	5-Jan-20	23-Jan-20	0.35	21.36	13.56	
6-Jan-20	12-Jan-20	23-Jan-20	0.01	20.99	15.29	
13-Jan-20	19-Jan-20	6-Mar-20	1.25	20.97	7.65	
20-Jan-20	26-Jan-20	6-Mar-20	1.64	21.01	5.78	
27-Jan-20	2-Feb-20	6-Mar-20	2.08	8.93	4.64	
3-Feb-20	9-Feb-20	1-Apr-20	0.27	21.01	9.66	
10-Feb-20	16-Feb-20	1-Apr-20	0.36	20.89	12.93	
17-Feb-20	23-Feb-20	1-Apr-20	1.62	20.76	10.27	
24-Feb-20	1-Mar-20	1-Apr-20	1.19	20.89	8.38	
2-Mar-20	8-Mar-20	1-Apr-20	1.42	20.36	7.60	
9-Mar-20	15-Mar-20	1-Apr-20	4.37	20.91	10.47	
16-Mar-20	22-Mar-20	30-Apr-20	n/a	n/a	n/a	Boiler Shutdown 15/03/20 to 04/04/20
23-Mar-20	29-Mar-20	30-Apr-20	n/a	n/a	n/a	
30-Mar-20	5-Apr-20	30-Apr-20	3.04	20.96	18.39	
6-Apr-20	12-Apr-20	29-May-20	3.24	20.95	11.34	
13-Apr-20	19-Apr-20	29-May-20	2.94	21.09	12.19	
20-Apr-20	26-Apr-20	29-May-20	3.73	21.16	11.77	
27-Apr-20	3-May-20	29-May-20	3.26	21.12	11.51	
4-May-20	10-May-20	29-May-20	1.30	21.01	13.41	
11-May-20	17-May-20	29-Jun-20	3.06	21.08	8.11	
18-May-20	24-May-20	29-Jun-20	3.59	13.17	7.17	
25-May-20	31-May-20	29-Jun-20	2.62	21.17	10.90	
1-Jun-20	7-Jun-20	29-Jun-20	3.95	12.43	6.96	
8-Jun-20	14-Jun-20	29-Jun-20	0.06	12.29	5.48	
15-Jun-20	21-Jun-20	20-Jul-20	0.01	14.75	5.40	
22-Jun-20	28-Jun-20	20-Jul-20	0.37	20.43	4.45	
29-Jun-20	5-Jul-20	20-Jul-20	0.16	10.53	4.16	
6-Jul-20	12-Jul-20	23-Jul-20	0.01	21.01	4.87	
13-Jul-20	19-Jul-20	23-Jul-20	1.16	20.81	7.97	
20-Jul-20	26-Jul-20	31-Jul-20	0.01	12.57	5.21	
27-Jul-20	2-Aug-20	14-Aug-20	3.94	20.28	8.32	
3-Aug-20	9-Aug-20	14-Aug-20	0.01	20.63	5.62	
10-Aug-20	16-Aug-20	28-Aug-20	0.01	10.79	4.47	
17-Aug-20	23-Aug-20	28-Aug-20	0.01	8.37	4.25	
24-Aug-20	30-Aug-20	10-Sep-20	0.57	20.72	5.67	
31-Aug-20	6-Sep-20	10-Sep-20	0.24	16.71	4.67	
7-Sep-20	13-Sep-20	25-Sep-20	0.48	14.03	6.15	
14-Sep-20	20-Sep-20	25-Sep-20	0.01	20.72	8.55	Boiler Shutdown 18 & 19/09/20
21-Sep-20	27-Sep-20	9-Oct-20	0.01	20.68	5.04	
28-Sep-20	4-Oct-20	9-Oct-20	0.01	15.71	3.93	
5-Oct-20	11-Oct-20	22-Oct-20	0.01	17.87	3.44	
12-Oct-20	18-Oct-20	22-Oct-20	0.01	20.86	4.67	

**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
15-Jan-20	06-Mar-20	28.0	
20-Jan-20	06-Mar-20	28.5	
29-Jan-20	06-Mar-20	28.5	
5-Feb-20	06-Mar-20	30.0	
19-Feb-20	01-Apr-20	30.0	
21-Feb-20	01-Apr-20	30.0	
9-Mar-20	01-Apr-20	29.0	
23-Mar-20	30-Apr-20	29.0	
7-Apr-20	30-Apr-20	27.0	
20-Apr-20	29-May-20	26.0	
29-Apr-20	29-May-20	27.0	
4-May-20	29-May-20	27.0	
11-May-20	29-May-20	25.0	
19-May-20	29-Jun-20	25.0	
1-Jun-20	29-Jun-20	23.0	
16-Jun-20	29-Jun-20	20.0	
23-Jun-20	20-Jul-20	20.0	
26-Jun-20	20-Jul-20	19.0	
15-Jul-20	20-Jul-20	19.0	
27-Jul-20	31-Jul-20	18.5	
3-Aug-20	14-Aug-20	18.5	
18-Aug-20	28-Aug-20	19.0	
1-Sep-20	10-Sep-20	20.0	
9-Sep-20	10-Sep-20	21.0	
21-Sep-20	25-Sep-20	22.0	
23-Sep-20	25-Sep-20	24.0	
6-Oct-20	09-Oct-20	24.0	
19-Oct-20	22-Oct-20	24.0	

**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 Weekly Composite (Laboratory Analysis) samples required during periods that the cooling tower is operational only  
 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 <sub>5</sub> (mg/L)	TSS (mg/L)	Phosphorus (mg/L)	Nitrogen (mg/L)	Total Residual Chlorine (mg/L)		
			30	40	2.5	45	0.3		
			90 Percentile Limit	100	100	7.0	70	0.5	
			Maximum Limit	100	100	7.0	70	0.5	
31-Dec-19	23-Jan-20	23-Jan-20		4.2	8.0	0.11	33.7	0.03	
10-Jan-20	23-Jan-20	23-Jan-20		3.3	19.0	0.17	19.1	0.04	
13-Jan-20	24-Jan-20	06-Mar-20		1.3	10.0	0.15	15.1	0.02	
21-Jan-20	30-Jan-20	06-Mar-20		1.3	16.0	0.14	13.4	0.02	
29-Jan-20	11-Feb-20	06-Mar-20		1.3	8.0	0.35	23.0	0.03	
03-Feb-20	11-Feb-20	06-Mar-20		3.0	8.5	0.18	15.9	0.01	
12-Feb-20	25-Feb-20	01-Apr-20		3.9	13.0	0.42	10.9	0.00	
19-Feb-20	25-Feb-20	01-Apr-20		3.0	13.0	0.38	9.5	0.08	
24-Feb-20	02-Mar-20	01-Apr-20		1.5	17.0	0.32	20.1	0.12	
06-Mar-20	24-Mar-20	30-Apr-20		2.1	8.7	0.31	18.7	0.05	
09-Mar-20	17-Mar-20	01-Apr-20		1.4	6.0	0.25	18.3	0.02	Cooling tower non-operational
07-Apr-20	15-Apr-20	30-Apr-20		5.1	12.0	0.56	25.0	0.04	17/03/20 to 04/04/20
15-Apr-20	21-Apr-20	30-Apr-20		1.8	4.4	0.32	25.9	0.01	
20-Apr-20	30-Apr-20	29-May-20		2.3	4.0	0.18	31.5	0.01	
27-Apr-20	06-May-20	29-May-20		<1	8.0	0.15	31.3	0.01	
04-May-20	14-May-20	29-May-20		1.5	10.0	0.23	27.9	0.06	
11-May-20	20-May-20	29-May-20		4.3	5.0	0.10	15.6	0.00	
19-May-20	29-May-20	29-Jun-20		3.3	7.0	0.12	18.4	0.01	
25-May-20	26-May-20	29-Jun-20		7.1	10.0	0.10	18.8	0.01	
01-Jun-20	11-Jun-20	29-Jun-20		1.1	6.0	0.11	14.0	0.00	
10-Jun-20	16-Jun-20	29-Jun-20		6.6	7.2	0.29	16.2	0.04	
16-Jun-20	26-Jun-20	29-Jun-20		7.6	18.0	0.26	19.1	0.02	
25-Jun-20	06-Jul-20	20-Jul-20		3.3	5.6	0.15	8.1	0.02	
29-Jun-20	13-Jul-20	20-Jul-20		0.8	2.0	0.12	11.1	0.02	
06-Jul-20	14-Jul-20	23-Jul-20		1.4	3.0	0.12	15.0	0.02	
14-Jul-20	24-Jul-20	31-Jul-20		1.4	3.0	0.1	10.8	0.01	
21-Jul-20	31-Jul-20	31-Jul-20		4.4	8.0	0.1	9.7	0.11	
27-Jul-20	06-Aug-20	14-Aug-20		4.5	9.0	0.3	21.9	0.07	
03-Aug-20	12-Aug-20	14-Aug-20		2.6	3.0	0.28	11.8	0.03	
11-Aug-20	17-Aug-20	28-Aug-20		3.0	11.0	0.2	15.9	0.06	
18-Aug-20	24-Aug-20	28-Aug-20		4.2	17.0	0.24	24.6	0.07	
24-Aug-20	02-Sep-20	10-Sep-20		4.4	10.0	0.2	36.3	0.02	
03-Sep-20	14-Sep-20	25-Sep-20		4.5	9.0	0.3	21.8	0.02	
08-Sep-20	16-Sep-20	25-Sep-20		4.4	15.0	0.4	26.3	0.02	
14-Sep-20	22-Sep-20	25-Sep-20		5.0	8.0	0.44	27.9	0.07	
21-Sep-20	01-Oct-20	09-Oct-20		3.2	9.0	0.39	21.3	0.02	
01-Oct-20	08-Oct-20	09-Oct-20		3.0	14.0	0.52	16.9	0.03	
06-Oct-20	15-Oct-20	22-Oct-20		3.5	12.0	0.27	14.4	0.03	
14-Oct-20	19-Oct-20	22-Oct-20		2.8	22.0	0.34	14.3	0.02	
19-Oct-20				To Come	To Come	To Come	To Come	0.03	

**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

Limits 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 exceedances 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 <sup>th</sup> 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	background 5°C > Mean Temp Diff	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge	
30-Dec-19	5-Jan-20	23-Jan-20	7.67	8.29	8.09	-8.0	5.6	-1.4	0	297	199	<10 minutes 4/3/20
6-Jan-20	12-Jan-20	23-Jan-20	7.70	8.25	8.09	-10.7	5.3	-2.7	0	399	186	<10 minutes 11/01/20
13-Jan-20	19-Jan-20	06-Mar-20	7.88	8.37	8.09	-7.7	5.3	1.5	0	760	401	<10 minutes 17/01/20
20-Jan-20	26-Jan-20	06-Mar-20	7.91	8.45	8.10	-5.7	4.2	2.0	0	723	385	
27-Jan-20	2-Feb-20	06-Mar-20	7.81	8.20	8.09	-1.7	5.1	3.0	0	674	333	< 1 minutes 01/02/20
3-Feb-20	9-Feb-20	01-Apr-20	7.93	8.52	8.14	-8.3	7.5	0.3	0	617	366	3 minutes 03/02/20
10-Feb-20	16-Feb-20	01-Apr-20	7.87	8.41	8.11	-6.4	10.6	2.0	0	531	159	<2 minutes 16/02/20
17-Feb-20	23-Feb-20	01-Apr-20	7.75	8.47	8.10	-6.5	6.1	2.2	0	529	193	<10 minutes 21/02/20
24-Feb-20	1-Mar-20	01-Apr-20	7.96	8.35	8.11	-5.2	3.3	0.1	0	496	225	
2-Mar-20	8-Mar-20	01-Apr-20	7.21	8.45	8.10	-2.6	3.8	1.9	0	479	303	
9-Mar-20	15-Mar-20	01-Apr-20	7.89	8.31	8.10	-10.8	1.2	-1.9	0	450	229	
16-Mar-20	22-Mar-20	30-Apr-20	7.94	8.19	8.10	-9.2	0.9	-1.6	0	417	328	
23-Mar-20	29-Mar-20	30-Apr-20	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Cooling tower non-operational
30-Mar-20	5-Apr-20	30-Apr-20	8.09	8.09	8.09	-11.4	-0.4	-2.1	0	313	0	17/03/20 to 04/04/20
6-Apr-20	12-Apr-20	29-May-20	8.02	8.18	8.10	-3.0	0.3	-0.2	0	408	83	
13-Apr-20	19-Apr-20	29-May-20	7.92	8.41	8.11	c	8.2	0.7	0	407	204	<2 minutes 17/04/2020
20-Apr-20	26-Apr-20	29-May-20	7.92	8.20	8.07	-11.8	4.0	-2.8	0	276	233	
27-Apr-20	3-May-20	29-May-20	7.71	8.42	8.08	-14.8	5.2	-2.8	0	306	232	<4 minutes 30/04/20
4-May-20	10-May-20	29-May-20	7.85	8.48	8.10	-6.7	2.3	-0.2	0	738	316	
11-May-20	17-May-20	29-Jun-20	7.90	8.29	8.10	-11.3	4.0	1.1	0	709	615	
18-May-20	24-May-20	29-Jun-20	7.18	8.24	8.10	-4.7	4.2	1.3	0	556	474	
25-May-20	31-May-20	29-Jun-20	7.59	8.29	8.09	-14.0	7.8	-1.2	0	537	407	<10 minutes 26/05/20
1-Jun-20	7-Jun-20	29-Jun-20	7.97	8.20	8.10	-3.7	6.4	1.8	0	580	489	<10 minutes 06/06/20
8-Jun-20	14-Jun-20	29-Jun-20	7.97	8.20	8.10	0.6	8.6	5.2	0	610	333	<10 minutes 08/6/20 & 10/06/20
15-Jun-20	21-Jun-20	20-Jul-20	7.50	8.29	8.10	0.4	10.6	3.5	0	636	337	15/06/20, 16/06/20, 17/06/20,
22-Jun-20	28-Jun-20	20-Jul-20	7.87	8.40	8.10	-1.7	6.1	2.3	0	627	500	20/06/20 <10 minutes
29-Jun-20	5-Jul-20	20-Jul-20	7.42	8.17	8.10	-3.7	6.2	2.4	0	524	308	<10 minutes 22/06/20
6-Jul-20	12-Jul-20	23-Jul-20	7.92	8.23	8.10	-4.6	5.9	2.2	0	511	347	<10 minutes 30/06/20
13-Jul-20	19-Jul-20	23-Jul-20	7.85	8.19	8.10	-11.0	3.4	-1.9	0	488	433	<10 minutes 11/07/20
20-Jul-20	26-Jul-20	31-Jul-20	7.59	8.19	8.10	-3.0	7.2	3.9	0	441	314	
27-Jul-20	2-Aug-20	14-Aug-20	7.96	8.43	8.10	-14.9	9.0	0.9	0	490	405	<10 minutes 25/07/20
3-Aug-20	9-Aug-20	14-Aug-20	7.95	8.20	8.10	-11.9	3.4	-1.5	373	469	433	<10 minutes 29/07/20
10-Aug-20	16-Aug-20	28-Aug-20	7.89	8.19	8.10	-3.0	3.8	0.5	340	379	362	
17-Aug-20	23-Aug-20	28-Aug-20	8.01	8.15	8.10	-3.5	6.8	1.7	0	614	242	<10 minutes 19/08/2020
24-Aug-20	30-Aug-20	10-Sep-20	7.73	8.23	8.09	-6.1	5.3	2.0	0	442	338	<10 minutes 29/08/2020
31-Aug-20	6-Sep-20	10-Sep-20	7.94	8.19	8.10	-1.8	7.8	4.8	0	437	245	<10 minutes 01/09/20 to 05/09/20
7-Sep-20	13-Sep-20	25-Sep-20	7.51	8.18	8.09	1.4	7.0	3.7	0	438	272	<10 minutes 07/09/20
14-Sep-20	20-Sep-20	25-Sep-20	7.02	8.23	8.07	-7.5	5.8	1.7	0	427	239	<10 minutes 20/09/20
21-Sep-20	27-Sep-20	9-Oct-20	7.75	8.25	8.05	-13.3	8.4	2.0	0	400	285	21/09/20, 22/09/20, 25/09/20
28-Sep-20	4-Oct-20	9-Oct-20	7.65	8.24	8.05	-1.3	4.0	1.8	0	374	344	<10 minutes
5-Oct-20	11-Oct-20	22-Oct-20	6.63	8.23	8.07	-7.7	4.8	2.6	0	339	271	
12-Oct-20	18-Oct-20	22-Oct-20	7.37	8.24	8.05	-7.0	7.3	1.9	0	341	272	< 10 minutes, 15, 17 18/10/20

**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 GAUGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Tuesday, 31 December 2019	9:01am	Wednesday, 1 January 2020	9:00am	0.0	0.0
Wednesday, 1 January 2020	9:01am	Thursday, 2 January 2020	9:00am	0.0	0.0
Thursday, 2 January 2020	9:01am	Friday, 3 January 2020	9:00am	0.0	0.0
Friday, 3 January 2020	9:01am	Saturday, 4 January 2020	9:00am	0.0	0.0
Saturday, 4 January 2020	9:01am	Sunday, 5 January 2020	9:00am	0.0	0.0
Sunday, 5 January 2020	9:01am	Monday, 6 January 2020	9:00am	0.0	0.0
Monday, 6 January 2020	9:01am	Tuesday, 7 January 2020	9:00am	0.0	0.0
Tuesday, 7 January 2020	9:01am	Wednesday, 8 January 2020	9:00am	0.0	0.0
Wednesday, 8 January 2020	9:01am	Thursday, 9 January 2020	9:00am	0.0	0.0
Thursday, 9 January 2020	9:01am	Friday, 10 January 2020	9:00am	0.0	0.0
Friday, 10 January 2020	9:01am	Saturday, 11 January 2020	9:00am	0.0	0.0
Saturday, 11 January 2020	9:01am	Sunday, 12 January 2020	9:00am	8.2	0.2
Sunday, 12 January 2020	9:01am	Monday, 13 January 2020	9:00am	5.6	1.0
Monday, 13 January 2020	9:01am	Tuesday, 14 January 2020	9:00am	0.0	0.0
Tuesday, 14 January 2020	9:01am	Wednesday, 15 January 2020	9:00am	8.6	1.4
Wednesday, 15 January 2020	9:01am	Thursday, 16 January 2020	9:00am	0.2	0.2
Thursday, 16 January 2020	9:01am	Friday, 17 January 2020	9:00am	16.4	0.2
Friday, 17 January 2020	9:01am	Saturday, 18 January 2020	9:00am	223.6	5.6
Saturday, 18 January 2020	9:01am	Sunday, 19 January 2020	9:00am	26.6	0.4
Sunday, 19 January 2020	9:01am	Monday, 20 January 2020	9:00am	78.2	1.2
Monday, 20 January 2020	9:01am	Tuesday, 21 January 2020	9:00am	2.4	0.2
Tuesday, 21 January 2020	9:01am	Wednesday, 22 January 2020	9:00am	0.0	0.0
Wednesday, 22 January 2020	9:01am	Thursday, 23 January 2020	9:00am	0.0	0.0
Thursday, 23 January 2020	9:01am	Friday, 24 January 2020	9:00am	0.0	0.0
Friday, 24 January 2020	9:01am	Saturday, 25 January 2020	9:00am	0.0	0.0
Saturday, 25 January 2020	9:01am	Sunday, 26 January 2020	9:00am	0.6	0.2
Sunday, 26 January 2020	9:01am	Monday, 27 January 2020	9:00am	0.6	0.2
Monday, 27 January 2020	9:01am	Tuesday, 28 January 2020	9:00am	2.0	0.2
Tuesday, 28 January 2020	9:01am	Wednesday, 29 January 2020	9:00am	0.0	0.0
Wednesday, 29 January 2020	9:01am	Thursday, 30 January 2020	9:00am	0.0	0.0
Thursday, 30 January 2020	9:01am	Friday, 31 January 2020	9:00am	0.0	0.0
Friday, 31 January 2020	9:01am	Saturday, 1 February 2020	9:00am	15.6	0.2
Saturday, 1 February 2020	9:01am	Sunday, 2 February 2020	9:00am	0.0	0.0
Sunday, 2 February 2020	9:01am	Monday, 3 February 2020	9:00am	0.0	0.0
Monday, 3 February 2020	9:01am	Tuesday, 4 February 2020	9:00am	15.0	0.6
Tuesday, 4 February 2020	9:01am	Wednesday, 5 February 2020	9:00am	1.0	0.2
Wednesday, 5 February 2020	9:01am	Thursday, 6 February 2020	9:00am	8.0	0.2
Thursday, 6 February 2020	9:01am	Friday, 7 February 2020	9:00am	124.8	1.4
Friday, 7 February 2020	9:01am	Saturday, 8 February 2020	9:00am	16.4	0.4
Saturday, 8 February 2020	9:01am	Sunday, 9 February 2020	9:00am	103.6	1.2
Sunday, 9 February 2020	9:01am	Monday, 10 February 2020	9:00am	60.4	1.6
Monday, 10 February 2020	9:01am	Tuesday, 11 February 2020	9:00am	29.0	1.6
Tuesday, 11 February 2020	9:01am	Wednesday, 12 February 2020	9:00am	120.0	2.8
Wednesday, 12 February 2020	9:01am	Thursday, 13 February 2020	9:00am	197.6	1.6
Thursday, 13 February 2020	9:01am	Friday, 14 February 2020	9:00am	54.8	0.8
Friday, 14 February 2020	9:01am	Saturday, 15 February 2020	9:00am	0.0	0.0
Saturday, 15 February 2020	9:01am	Sunday, 16 February 2020	9:00am	0.0	0.0
Sunday, 16 February 2020	9:01am	Monday, 17 February 2020	9:00am	3.2	0.4
Monday, 17 February 2020	9:01am	Tuesday, 18 February 2020	9:00am	3.2	0.4
Tuesday, 18 February 2020	9:01am	Wednesday, 19 February 2020	9:00am	0.0	0.0
Wednesday, 19 February 2020	9:01am	Thursday, 20 February 2020	9:00am	0.0	0.0
Thursday, 20 February 2020	9:01am	Friday, 21 February 2020	9:00am	0.0	0.0
Friday, 21 February 2020	9:01am	Saturday, 22 February 2020	9:00am	0.2	0.2
Saturday, 22 February 2020	9:01am	Sunday, 23 February 2020	9:00am	2.2	0.2
Sunday, 23 February 2020	9:01am	Monday, 24 February 2020	9:00am	6.8	0.2
Monday, 24 February 2020	9:01am	Tuesday, 25 February 2020	9:00am	24.6	0.2
Tuesday, 25 February 2020	9:01am	Wednesday, 26 February 2020	9:00am	3.8	0.2
Wednesday, 26 February 2020	9:01am	Thursday, 27 February 2020	9:00am	7.8	0.2
Thursday, 27 February 2020	9:01am	Friday, 28 February 2020	9:00am	2.4	0.2
Friday, 28 February 2020	9:01am	Saturday, 29 February 2020	9:00am	0.4	0.2
Saturday, 29 February 2020	9:01am	Sunday, 1 March 2020	9:00am	2.0	0.2
Sunday, 1 March 2020	9:01am	Monday, 2 March 2020	9:00am	0.0	0.0
Monday, 2 March 2020	9:01am	Tuesday, 3 March 2020	9:00am	0.0	0.0
Tuesday, 3 March 2020	9:01am	Wednesday, 4 March 2020	9:00am	3.2	0.2
Wednesday, 4 March 2020	9:01am	Thursday, 5 March 2020	9:00am	5.0	2.2
Thursday, 5 March 2020	9:01am	Friday, 6 March 2020	9:00am	0.2	0.2
Friday, 6 March 2020	9:01am	Saturday, 7 March 2020	9:00am	0.8	0.2
Saturday, 7 March 2020	9:01am	Sunday, 8 March 2020	9:00am	0.4	0.2
Sunday, 8 March 2020	9:01am	Monday, 9 March 2020	9:00am	4.8	0.2
Monday, 9 March 2020	9:01am	Tuesday, 10 March 2020	9:00am	48.8	0.4
Tuesday, 10 March 2020	9:01am	Wednesday, 11 March 2020	9:00am	12.6	1.2
Wednesday, 11 March 2020	9:01am	Thursday, 12 March 2020	9:00am	1.2	0.4
Thursday, 12 March 2020	9:01am	Friday, 13 March 2020	9:00am	19.4	0.6
Friday, 13 March 2020	9:01am	Saturday, 14 March 2020	9:00am	0.0	0.0
Saturday, 14 March 2020	9:01am	Sunday, 15 March 2020	9:00am	0.0	0.0
Sunday, 15 March 2020	9:01am	Monday, 16 March 2020	9:00am	8.6	0.8
Monday, 16 March 2020	9:01am	Tuesday, 17 March 2020	9:00am	0.4	0.2
Tuesday, 17 March 2020	9:01am	Wednesday, 18 March 2020	9:00am	0.0	0.0
Wednesday, 18 March 2020	9:01am	Thursday, 19 March 2020	9:00am	0.0	0.0
Thursday, 19 March 2020	9:01am	Friday, 20 March 2020	9:00am	0.0	0.0
Friday, 20 March 2020	9:01am	Saturday, 21 March 2020	9:00am	0.0	0.0
Saturday, 21 March 2020	9:01am	Sunday, 22 March 2020	9:00am	0.0	0.0
Sunday, 22 March 2020	9:01am	Monday, 23 March 2020	9:00am	0.0	0.0
Monday, 23 March 2020	9:01am	Tuesday, 24 March 2020	9:00am	3.4	0.2
Tuesday, 24 March 2020	9:01am	Wednesday, 25 March 2020	9:00am	5.2	0.4
Wednesday, 25 March 2020	9:01am	Thursday, 26 March 2020	9:00am	0.0	0.0
Thursday, 26 March 2020	9:01am	Friday, 27 March 2020	9:00am	9.0	0.8
Friday, 27 March 2020	9:01am	Saturday, 28 March 2020	9:00am	8.2	0.4
Saturday, 28 March 2020	9:01am	Sunday, 29 March 2020	9:00am	6.8	1.4
Sunday, 29 March 2020	9:01am	Monday, 30 March 2020	9:00am	0.0	0.0
Monday, 30 March 2020	9:01am	Tuesday, 31 March 2020	9:00am	0.2	0.2
Tuesday, 31 March 2020	9:01am	Wednesday, 1 April 2020	9:00am	0.0	0.0
Wednesday, 1 April 2020	9:01am	Thursday, 2 April 2020	9:00am	0.0	0.0
Thursday, 2 April 2020	9:01am	Friday, 3 April 2020	9:00am	0.6	0.2
Friday, 3 April 2020	9:01am	Saturday, 4 April 2020	9:00am	0.0	0.0
Saturday, 4 April 2020	9:01am	Sunday, 5 April 2020	9:00am	0.6	0.2
Sunday, 5 April 2020	9:01am	Monday, 6 April 2020	9:00am	0.0	0.0
Monday, 6 April 2020	9:01am	Tuesday, 7 April 2020	9:00am	0.0	0.0
Tuesday, 7 April 2020	9:01am	Wednesday, 8 April 2020	9:00am	1.6	0.2
Wednesday, 8 April 2020	9:01am	Thursday, 9 April 2020	9:00am	0.6	0.2
Thursday, 9 April 2020	9:01am	Friday, 10 April 2020	9:00am	5.6	0.4
Friday, 10 April 2020	9:01am	Saturday, 11 April 2020	9:00am	4.6	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 GAUGE CONTINUOUS RAINFALL MONITORING						
Date	Period From		Period To		Daily Rain	
	Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Saturday, 11 April 2020	9:01am		Sunday, 12 April 2020	9:00am	0.0	0.0
Sunday, 12 April 2020	9:01am		Monday, 13 April 2020	9:00am	0.0	0.0
Monday, 13 April 2020	9:01am		Tuesday, 14 April 2020	9:00am	0.0	0.0
Tuesday, 14 April 2020	9:01am		Wednesday, 15 April 2020	9:00am	0.0	0.0
Wednesday, 15 April 2020	9:01am		Thursday, 16 April 2020	9:00am	0.0	0.0
Thursday, 16 April 2020	9:01am		Friday, 17 April 2020	9:00am	0.0	0.0
Friday, 17 April 2020	9:01am		Saturday, 18 April 2020	9:00am	0.0	0.0
Saturday, 18 April 2020	9:01am		Sunday, 19 April 2020	9:00am	1.0	0.2
Sunday, 19 April 2020	9:01am		Monday, 20 April 2020	9:00am	0.2	0.2
Monday, 20 April 2020	9:01am		Tuesday, 21 April 2020	9:00am	0.0	0.0
Tuesday, 21 April 2020	9:01am		Wednesday, 22 April 2020	9:00am	0.0	0.0
Wednesday, 22 April 2020	9:01am		Thursday, 23 April 2020	9:00am	0.0	0.0
Thursday, 23 April 2020	9:01am		Friday, 24 April 2020	9:00am	0.0	0.0
Friday, 24 April 2020	9:01am		Saturday, 25 April 2020	9:00am	0.0	0.0
Saturday, 25 April 2020	9:01am		Sunday, 26 April 2020	9:00am	0.0	0.0
Sunday, 26 April 2020	9:01am		Monday, 27 April 2020	9:00am	0.0	0.0
Monday, 27 April 2020	9:01am		Tuesday, 28 April 2020	9:00am	0.2	0.2
Tuesday, 28 April 2020	9:01am		Wednesday, 29 April 2020	9:00am	0.6	0.2
Wednesday, 29 April 2020	9:01am		Thursday, 30 April 2020	9:00am	0.0	0.0
Thursday, 30 April 2020	9:01am		Friday, 1 May 2020	9:00am	0.0	0.0
Friday, 1 May 2020	9:01am		Saturday, 2 May 2020	9:00am	0.0	0.0
Saturday, 2 May 2020	9:01am		Sunday, 3 May 2020	9:00am	0.0	0.0
Sunday, 3 May 2020	9:01am		Monday, 4 May 2020	9:00am	0.0	0.0
Monday, 4 May 2020	9:01am		Tuesday, 5 May 2020	9:00am	0.0	0.0
Tuesday, 5 May 2020	9:01am		Wednesday, 6 May 2020	9:00am	9.6	0.4
Wednesday, 6 May 2020	9:01am		Thursday, 7 May 2020	9:00am	0.2	0.2
Thursday, 7 May 2020	9:01am		Friday, 8 May 2020	9:00am	0.0	0.0
Friday, 8 May 2020	9:01am		Saturday, 9 May 2020	9:00am	0.0	0.0
Saturday, 9 May 2020	9:01am		Sunday, 10 May 2020	9:00am	0.8	0.2
Sunday, 10 May 2020	9:01am		Monday, 11 May 2020	9:00am	0.0	0.0
Monday, 11 May 2020	9:01am		Tuesday, 12 May 2020	9:00am	0.0	0.0
Tuesday, 12 May 2020	9:01am		Wednesday, 13 May 2020	9:00am	0.0	0.0
Wednesday, 13 May 2020	9:01am		Thursday, 14 May 2020	9:00am	0.0	0.0
Thursday, 14 May 2020	9:01am		Friday, 15 May 2020	9:00am	0.0	0.0
Friday, 15 May 2020	9:01am		Saturday, 16 May 2020	9:00am	3.0	0.4
Saturday, 16 May 2020	9:01am		Sunday, 17 May 2020	9:00am	4.0	0.2
Sunday, 17 May 2020	9:01am		Monday, 18 May 2020	9:00am	15.6	0.4
Monday, 18 May 2020	9:01am		Tuesday, 19 May 2020	9:00am	0.6	0.2
Tuesday, 19 May 2020	9:01am		Wednesday, 20 May 2020	9:00am	4.0	0.2
Wednesday, 20 May 2020	9:01am		Thursday, 21 May 2020	9:00am	5.4	0.4
Thursday, 21 May 2020	9:01am		Friday, 22 May 2020	9:00am	0.4	0.2
Friday, 22 May 2020	9:01am		Saturday, 23 May 2020	9:00am	0.0	0.0
Saturday, 23 May 2020	9:01am		Sunday, 24 May 2020	9:00am	0.0	0.0
Sunday, 24 May 2020	9:01am		Monday, 25 May 2020	9:00am	2.2	0.2
Monday, 25 May 2020	9:01am		Tuesday, 26 May 2020	9:00am	0.0	0.0
Tuesday, 26 May 2020	9:01am		Wednesday, 27 May 2020	9:00am	0.0	0.0
Wednesday, 27 May 2020	9:01am		Thursday, 28 May 2020	9:00am	0.0	0.0
Thursday, 28 May 2020	9:01am		Friday, 29 May 2020	9:00am	1.0	0.2
Friday, 29 May 2020	9:01am		Saturday, 30 May 2020	9:00am	0.2	0.2
Saturday, 30 May 2020	9:01am		Sunday, 31 May 2020	9:00am	0.4	0.2
Sunday, 31 May 2020	9:01am		Monday, 1 June 2020	9:00am	0.0	0.0
Monday, 1 June 2020	9:01am		Tuesday, 2 June 2020	9:00am	0.2	0.2
Tuesday, 2 June 2020	9:01am		Wednesday, 3 June 2020	9:00am	0.0	0.0
Wednesday, 3 June 2020	9:01am		Thursday, 4 June 2020	9:00am	0.0	0.0
Thursday, 4 June 2020	9:01am		Friday, 5 June 2020	9:00am	0.0	0.0
Friday, 5 June 2020	9:01am		Saturday, 6 June 2020	9:00am	0.0	0.0
Saturday, 6 June 2020	9:01am		Sunday, 7 June 2020	9:00am	0.0	0.0
Sunday, 7 June 2020	9:01am		Monday, 8 June 2020	9:00am	0.4	0.2
Monday, 8 June 2020	9:01am		Tuesday, 9 June 2020	9:00am	0.0	0.0
Tuesday, 9 June 2020	9:01am		Wednesday, 10 June 2020	9:00am	12.6	0.8
Wednesday, 10 June 2020	9:01am		Thursday, 11 June 2020	9:00am	46.8	1.0
Thursday, 11 June 2020	9:01am		Friday, 12 June 2020	9:00am	0.2	0.2
Friday, 12 June 2020	9:01am		Saturday, 13 June 2020	9:00am	0.0	0.0
Saturday, 13 June 2020	9:01am		Sunday, 14 June 2020	9:00am	1.8	0.4
Sunday, 14 June 2020	9:01am		Monday, 15 June 2020	9:00am	8.4	1.2
Monday, 15 June 2020	9:01am		Tuesday, 16 June 2020	9:00am	0.0	0.0
Tuesday, 16 June 2020	9:01am		Wednesday, 17 June 2020	9:00am	0.2	0.2
Wednesday, 17 June 2020	9:01am		Thursday, 18 June 2020	9:00am	3.6	0.4
Thursday, 18 June 2020	9:01am		Friday, 19 June 2020	9:00am	6.4	0.2
Friday, 19 June 2020	9:01am		Saturday, 20 June 2020	9:00am	6.0	0.2
Saturday, 20 June 2020	9:01am		Sunday, 21 June 2020	9:00am	1.0	0.2
Sunday, 21 June 2020	9:01am		Monday, 22 June 2020	9:00am	0.6	0.2
Monday, 22 June 2020	9:01am		Tuesday, 23 June 2020	9:00am	0.0	0.0
Tuesday, 23 June 2020	9:01am		Wednesday, 24 June 2020	9:00am	0.0	0.0
Wednesday, 24 June 2020	9:01am		Thursday, 25 June 2020	9:00am	0.0	0.0
Thursday, 25 June 2020	9:01am		Friday, 26 June 2020	9:00am	0.0	0.0
Friday, 26 June 2020	9:01am		Saturday, 27 June 2020	9:00am	0.2	0.2
Saturday, 27 June 2020	9:01am		Sunday, 28 June 2020	9:00am	0.8	0.2
Sunday, 28 June 2020	9:01am		Monday, 29 June 2020	9:00am	5.0	0.2
Monday, 29 June 2020	9:01am		Tuesday, 30 June 2020	9:00am	0.0	0.0
Tuesday, 30 June 2020	9:01am		Wednesday, 1 July 2020	9:00am	0.0	0.0
Wednesday, 1 July 2020	9:01am		Thursday, 2 July 2020	9:00am	0.0	0.0
Thursday, 2 July 2020	9:01am		Friday, 3 July 2020	9:00am	0.0	0.0
Friday, 3 July 2020	9:01am		Saturday, 4 July 2020	9:00am	2.4	0.2
Saturday, 4 July 2020	9:01am		Sunday, 5 July 2020	9:00am	0.0	0.0
Sunday, 5 July 2020	9:01am		Monday, 6 July 2020	9:00am	0.0	0.0
Monday, 6 July 2020	9:01am		Tuesday, 7 July 2020	9:00am	0.0	0.0
Tuesday, 7 July 2020	9:01am		Wednesday, 8 July 2020	9:00am	0.0	0.0
Wednesday, 8 July 2020	9:01am		Thursday, 9 July 2020	9:00am	7.2	0.2
Thursday, 9 July 2020	9:01am		Friday, 10 July 2020	9:00am	3.8	0.2
Friday, 10 July 2020	9:01am		Saturday, 11 July 2020	9:00am	0.2	0.2
Saturday, 11 July 2020	9:01am		Sunday, 12 July 2020	9:00am	0.0	0.0

**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 GAUGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Sunday, 12 July 2020	9:01am	Monday, 13 July 2020	9:00am	0.8	0.2
Monday, 13 July 2020	9:01am	Tuesday, 14 July 2020	9:00am	0.0	0.0
Tuesday, 14 July 2020	9:01am	Wednesday, 15 July 2020	9:00am	0.0	0.0
Wednesday, 15 July 2020	9:01am	Thursday, 16 July 2020	9:00am	0.0	0.0
Thursday, 16 July 2020	9:01am	Friday, 17 July 2020	9:00am	0.0	0.0
Friday, 17 July 2020	9:01am	Saturday, 18 July 2020	9:00am	0.0	0.0
Saturday, 18 July 2020	9:01am	Sunday, 19 July 2020	9:00am	0.0	0.0
Sunday, 19 July 2020	9:01am	Monday, 20 July 2020	9:00am	0.0	0.0
Monday, 20 July 2020	9:01am	Tuesday, 21 July 2020	9:00am	0.0	0.0
Tuesday, 21 July 2020	9:01am	Wednesday, 22 July 2020	9:00am	0.0	0.0
Wednesday, 22 July 2020	9:01am	Thursday, 23 July 2020	9:00am	0.0	0.0
Thursday, 23 July 2020	9:01am	Friday, 24 July 2020	9:00am	10.2	0.2
Friday, 24 July 2020	9:01am	Saturday, 25 July 2020	9:00am	39.2	1.0
Saturday, 25 July 2020	9:01am	Sunday, 26 July 2020	9:00am	81.8	1.0
Sunday, 26 July 2020	9:01am	Monday, 27 July 2020	9:00am	30.8	1.0
Monday, 27 July 2020	9:01am	Tuesday, 28 July 2020	9:00am	0.0	0.0
Tuesday, 28 July 2020	9:01am	Wednesday, 29 July 2020	9:00am	0.0	0.0
Wednesday, 29 July 2020	9:01am	Thursday, 30 July 2020	9:00am	0.0	0.0
Thursday, 30 July 2020	9:01am	Friday, 31 July 2020	9:00am	0.0	0.0
Friday, 31 July 2020	9:01am	Saturday, 1 August 2020	9:00am	0.0	0.0
Saturday, 1 August 2020	9:01am	Sunday, 2 August 2020	9:00am	0.0	0.0
Sunday, 2 August 2020	9:01am	Monday, 3 August 2020	9:00am	0.2	0.2
Monday, 3 August 2020	9:01am	Tuesday, 4 August 2020	9:00am	0.0	0.0
Tuesday, 4 August 2020	9:01am	Wednesday, 5 August 2020	9:00am	0.0	0.0
Wednesday, 5 August 2020	9:01am	Thursday, 6 August 2020	9:00am	0.0	0.0
Thursday, 6 August 2020	9:01am	Friday, 7 August 2020	9:00am	7.8	0.8
Friday, 7 August 2020	9:01am	Saturday, 8 August 2020	9:00am	16.6	0.6
Saturday, 8 August 2020	9:01am	Sunday, 9 August 2020	9:00am	0.0	0.0
Sunday, 9 August 2020	9:01am	Monday, 10 August 2020	9:00am	0.0	0.0
Monday, 10 August 2020	9:01am	Tuesday, 11 August 2020	9:00am	0.0	0.0
Tuesday, 11 August 2020	9:01am	Wednesday, 12 August 2020	9:00am	0.0	0.0
Wednesday, 12 August 2020	9:01am	Thursday, 13 August 2020	9:00am	0.0	0.0
Thursday, 13 August 2020	9:01am	Friday, 14 August 2020	9:00am	0.0	0.0
Friday, 14 August 2020	9:01am	Saturday, 15 August 2020	9:00am	1.2	0.2
Saturday, 15 August 2020	9:01am	Sunday, 16 August 2020	9:00am	0.4	0.2
Sunday, 16 August 2020	9:01am	Monday, 17 August 2020	9:00am	0.0	0.0
Monday, 17 August 2020	9:01am	Tuesday, 18 August 2020	9:00am	0.0	0.0
Tuesday, 18 August 2020	9:01am	Wednesday, 19 August 2020	9:00am	0.0	0.0
Wednesday, 19 August 2020	9:01am	Thursday, 20 August 2020	9:00am	0.0	0.0
Thursday, 20 August 2020	9:01am	Friday, 21 August 2020	9:00am	0.0	0.0
Friday, 21 August 2020	9:01am	Saturday, 22 August 2020	9:00am	0.0	0.0
Saturday, 22 August 2020	9:01am	Sunday, 23 August 2020	9:00am	0.0	0.0
Sunday, 23 August 2020	9:01am	Monday, 24 August 2020	9:00am	0.0	0.0
Monday, 24 August 2020	9:01am	Tuesday, 25 August 2020	9:00am	0.0	0.0
Tuesday, 25 August 2020	9:01am	Wednesday, 26 August 2020	9:00am	0.0	0.0
Wednesday, 26 August 2020	9:01am	Thursday, 27 August 2020	9:00am	0.0	0.0
Thursday, 27 August 2020	9:01am	Friday, 28 August 2020	9:00am	0.0	0.0
Friday, 28 August 2020	9:01am	Saturday, 29 August 2020	9:00am	0.0	0.0
Saturday, 29 August 2020	9:01am	Sunday, 30 August 2020	9:00am	0.2	0.2
Sunday, 30 August 2020	9:01am	Monday, 31 August 2020	9:00am	0.0	0.0
Monday, 31 August 2020	9:01am	Tuesday, 1 September 2020	9:00am	0.0	0.0
Tuesday, 1 September 2020	9:01am	Wednesday, 2 September 2020	9:00am	0.0	0.0
Wednesday, 2 September 2020	9:01am	Thursday, 3 September 2020	9:00am	0.0	0.0
Thursday, 3 September 2020	9:01am	Friday, 4 September 2020	9:00am	0.0	0.0
Friday, 4 September 2020	9:01am	Saturday, 5 September 2020	9:00am	0.0	0.0
Saturday, 5 September 2020	9:01am	Sunday, 6 September 2020	9:00am	5.6	0.2
Sunday, 6 September 2020	9:01am	Monday, 7 September 2020	9:00am	7.8	0.4
Monday, 7 September 2020	9:01am	Tuesday, 8 September 2020	9:00am	0.2	0.2
Tuesday, 8 September 2020	9:01am	Wednesday, 9 September 2020	9:00am	0.0	0.0
Wednesday, 9 September 2020	9:01am	Thursday, 10 September 2020	9:00am	0.0	0.0
Thursday, 10 September 2020	9:01am	Friday, 11 September 2020	9:00am	17.2	0.4
Friday, 11 September 2020	9:01am	Saturday, 12 September 2020	9:00am	1.4	0.4
Saturday, 12 September 2020	9:01am	Sunday, 13 September 2020	9:00am	2.4	0.2
Sunday, 13 September 2020	9:01am	Monday, 14 September 2020	9:00am	1.0	0.2
Monday, 14 September 2020	9:01am	Tuesday, 15 September 2020	9:00am	0.0	0.0
Tuesday, 15 September 2020	9:01am	Wednesday, 16 September 2020	9:00am	0.0	0.0
Wednesday, 16 September 2020	9:01am	Thursday, 17 September 2020	9:00am	0.0	0.0
Thursday, 17 September 2020	9:01am	Friday, 18 September 2020	9:00am	0.0	0.0
Friday, 18 September 2020	9:01am	Saturday, 19 September 2020	9:00am	24.4	1.4
Saturday, 19 September 2020	9:01am	Sunday, 20 September 2020	9:00am	2.0	0.2
Sunday, 20 September 2020	9:01am	Monday, 21 September 2020	9:00am	0.0	0.0
Monday, 21 September 2020	9:01am	Tuesday, 22 September 2020	9:00am	0.0	0.0
Tuesday, 22 September 2020	9:01am	Wednesday, 23 September 2020	9:00am	0.0	0.0
Wednesday, 23 September 2020	9:01am	Thursday, 24 September 2020	9:00am	0.0	0.0
Thursday, 24 September 2020	9:01am	Friday, 25 September 2020	9:00am	0.0	0.0
Friday, 25 September 2020	9:01am	Saturday, 26 September 2020	9:00am	0.4	0.2
Saturday, 26 September 2020	9:01am	Sunday, 27 September 2020	9:00am	0.0	0.0
Sunday, 27 September 2020	9:01am	Monday, 28 September 2020	9:00am	0.0	0.0
Monday, 28 September 2020	9:01am	Tuesday, 29 September 2020	9:00am	0.0	0.0
Tuesday, 29 September 2020	9:01am	Wednesday, 30 September 2020	9:00am	0.0	0.0
Wednesday, 30 September 2020	9:01am	Thursday, 1 October 2020	9:00am	0.0	0.0
Thursday, 1 October 2020	9:01am	Friday, 2 October 2020	9:00am	0.0	0.0
Friday, 2 October 2020	9:01am	Saturday, 3 October 2020	9:00am	0.0	0.0
Saturday, 3 October 2020	9:01am	Sunday, 4 October 2020	9:00am	0.0	0.0
Sunday, 4 October 2020	9:01am	Monday, 5 October 2020	9:00am	0.0	0.0
Monday, 5 October 2020	9:01am	Tuesday, 6 October 2020	9:00am	0.0	0.0
Tuesday, 6 October 2020	9:01am	Wednesday, 7 October 2020	9:00am	0.0	0.0
Wednesday, 7 October 2020	9:01am	Thursday, 8 October 2020	9:00am	0.0	0.0
Thursday, 8 October 2020	9:01am	Friday, 9 October 2020	9:00am	0.0	0.0
Friday, 9 October 2020	9:01am	Saturday, 10 October 2020	9:00am	0.0	0.0
Saturday, 10 October 2020	9:01am	Sunday, 11 October 2020	9:00am	0.0	0.0
Sunday, 11 October 2020	9:01am	Monday, 12 October 2020	9:00am	0.0	0.0
Monday, 12 October 2020	9:01am	Tuesday, 13 October 2020	9:00am	0.0	0.0
Tuesday, 13 October 2020	9:01am	Wednesday, 14 October 2020	9:00am	2.6	0.4
Wednesday, 14 October 2020	9:01am	Thursday, 15 October 2020	9:00am	0.0	0.0
Thursday, 15 October 2020	9:01am	Friday, 16 October 2020	9:00am	0.0	0.0
Friday, 16 October 2020	9:01am	Saturday, 17 October 2020	9:00am	0.0	0.0
Saturday, 17 October 2020	9:01am	Sunday, 18 October 2020	9:00am	0.0	0.0
Sunday, 18 October 2020	9:01am	Monday, 19 October 2020	9:00am	8.0	0.6
Monday, 19 October 2020	9:01am	Tuesday, 20 October 2020	9:00am	1.0	0.2

**Sampling Point:** **Monitoring Point 12 - Stormwater Discharge From Stockpile Catchment Basin**  
 Licence: Cape Byron Management Pty Ltd  
 Location: Condong Cogeneration Power Plant  
 EPL No: 20424  
 Parameter/s Monitored: See Table  
 Frequency & Method: Sampling any discharge, whether controlled or otherwise, which has not occurred from rainfall exceeding 82mm over any consecutive five day period  
 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.



Date Sampled	Date Received	Date Published						Notes	
			90 Percentile Limit	BOD <sub>5</sub> (mg/L)	Nitrogen (mg/L)	pH	Phosphorus (mg/L)		TSS (mg/L)
			Maximum Limit	30	10				
				55	20	6.5 - 8.5	No Limit	50.0	
01-Feb-20	11-Feb-20	20-Jul-20		110.0	2.3	7.10	1.5	21.00	Interim report issued 14-02-20 included COD.
11-Aug-20	17-Aug-20	28-Aug-20		22.6	2.3	7.56	0.4	23.00	Discharge ceased on final BOD report

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
8-Aug-20	Point 2	pm10				Non compliant 14 day publication	Missed results during publish upload