



# 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:

Licencee

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 13192	AE 13401	AE 13475	AE 13616
Test Number				
Sampling Date	17/07/2020	11/11/2020	10/02/2021	18/05/2021
Date Received	25/08/2020	23/11/2020	2/03/2002	26/05/2021
Date Published	28/08/2020	3/12/2020	12/03/2021	2/06/2021

Measured Parameters	Units	Concentration Limit				
<b>dry @ STP and corrected to 7% O<sub>2</sub></b>						
Average stack gas temperature	°C	Not Applicable	50.00	66.00	60.00	65.00
Average velocity at sampling plane	m/s	Not Applicable	10.90	13.40	12.90	12.90
Dry Gas Volumetric Flowrate	m <sup>3</sup> /sec	Not Applicable	50.90	57.85	54.85	55.58
Dry Gas Density	kg/m <sup>3</sup>	Not Applicable	1.30	1.34	1.33	1.35
Molecular Weight of Stack Gases	g/g mole	Not Applicable	29.10	30.00	29.80	30.20
Moisture content	%	Not Applicable	13.10	15.30	18.00	15.40
Concentration of carbon dioxide	%	Not Applicable	2.75	10.00	7.74	11.60
Total Solid Particles	mg/m <sup>3</sup>	100.00	97.00	38.50	20.20	56.20
Sulphuric Acid Mist & Sulphur Trioxide as SO <sub>3</sub>	mg/m <sup>3</sup>	30.00	4.45	1.85	3.57	14.20
Nitrogen Oxides (NO <sub>x</sub> )	mg/m <sup>3</sup>	500.00	102.00	241.00	186.00	216.00

**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
06-Jan-21	25-Jan-21	29-Jan-21	0.78	35 day sample. Bottles stuck in transit (0.67g/m <sup>2</sup> /month)
05-Feb-21	12-Feb-21	26-Feb-21	0.77	
04-Mar-21	12-Mar-21	08-Apr-21	3.51	
06-Apr-21	16-Apr-21	22-Apr-21	1.06	
04-May-21	18-May-21	20-May-21	2.16	
04-Jun-21	18-Jun-21	02-Jul-21	1.83	
05-Jul-21	09-Jul-21	16-Jul-21	6.97	Fine org. matter, brown

**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-21	12-Feb-21	26-Feb-21	22.2	
11-Jan-21	12-Feb-21	26-Feb-21	10.2	
17-Jan-21	12-Feb-21	26-Feb-21	17.4	
23-Jan-21	12-Feb-21	26-Feb-21	9.9	
29-Jan-21	12-Feb-21	26-Feb-21	13.4	
04-Feb-21	09-Mar-21	12-Mar-21	18.7	
10-Feb-21	09-Mar-21	12-Mar-21	19.9	
16-Feb-21	09-Mar-21	12-Mar-21	11.4	
22-Feb-21	09-Mar-21	12-Mar-21	13.0	
28-Feb-21	09-Mar-21	12-Mar-21	6.9	
06-Mar-21	14-Apr-21	22-Apr-21	6.6	
12-Mar-21	14-Apr-21	22-Apr-21	7.7	
18-Mar-21	14-Apr-21	22-Apr-21	8.9	
24-Mar-21	14-Apr-21	22-Apr-21	6.3	
30-Mar-21	14-Apr-21	22-Apr-21	8.0	
05-Apr-21	14-Apr-21	22-Apr-21	13.4	
11-Apr-21	14-May-21	20-May-21	6.4	
17-Apr-21	14-May-21	20-May-21	27.2	
23-Apr-21	14-May-21	20-May-21	9.4	
29-Apr-21	14-May-21	20-May-21	12.3	
05-May-21	02-Jul-21	02-Jul-21	11.4	
11-May-21	02-Jul-21	02-Jul-21	1.4	
17-May-21	02-Jul-21	02-Jul-21	19.5	

**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 <sup>2</sup> /month)	Notes
06-Jan-21	25-Jan-21	29-Jan-21	1.59	35 day sample. Bottles stuck in transit (1.36g/m2/month)
05-Feb-21	12-Feb-21	26-Feb-21	0.32	
04-Mar-21	12-Feb-21	08-Apr-21	1.65	
06-Apr-21		22-Apr-21	N/A	Sample was void
04-May-21	18-May-21	20-May-21	1.50	
04-Jun-21	18-Jun-21	02-Jul-21	0.60	
05-Jul-21	09-Jul-21	16-Jul-21	1.33	Fine 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 <sup>2</sup> /month)	Notes
06-Jan-21	25-Jan-21	29-Jan-21	2.73	35 day sample. Bottles stuck in transit (2.34g/m <sup>2</sup> /month)
05-Feb-21	12-Feb-21	26-Feb-21	0.83	
04-Mar-21	12-Mar-21	08-Apr-21	2.53	Ants
06-Apr-21	16-Apr-21	22-Apr-21	4.30	
04-May-21	18-May-21	20-May-21	1.94	
04-Jun-21	18-Jun-21	02-Jul-21	1.88	
05-Jul-21	09-Jul-21	16-Jul-21	2.72	Fine org. matter

**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	
28-Dec-20	3-Jan-21	6-Jan-21	n/a	n/a	n/a	Boiler Offline
4-Jan-21	10-Jan-21	20-Jan-21	n/a	n/a	n/a	Boiler Offline
11-Jan-21	17-Jan-21	20-Jan-21	2.95	19.69	10.07	Boiler Online 11/01/21
18-Jan-21	24-Jan-21	29-Jan-21	4.77	20.35	8.42	
25-Jan-21	31-Jan-21	10-Feb-21	4.81	20.56	10.61	
1-Feb-21	7-Feb-21	10-Feb-21	4.98	20.57	10.79	
8-Feb-21	14-Feb-21	26-Feb-21	-0.01	20.61	9.57	
15-Feb-21	21-Feb-21	26-Feb-21	4.66	16.39	8.60	
22-Feb-21	28-Feb-21	12-Mar-21	4.75	20.53	9.68	
1-Mar-21	7-Mar-21	12-Mar-21	4.82	20.58	11.83	
8-Mar-21	14-Mar-21	8-Apr-21	4.19	20.43	9.37	
15-Mar-21	21-Mar-21	8-Apr-21	4.58	20.15	12.79	
22-Mar-21	28-Mar-21	8-Apr-21	5.05	20.48	14.98	Offline 26/03/21
29-Mar-21	4-Apr-21	8-Apr-21	6.61	20.37	17.84	Online 29/03/21 and 30/03/21
5-Apr-21	11-Apr-21	22-Apr-21	N/A	N/A	N/A	Boiler offline
12-Apr-21	18-Apr-21	22-Apr-21	N/A	N/A	N/A	Boiler offline
19-Apr-21	25-Apr-21	6-May-21	N/A	N/A	N/A	Boiler offline
26-Apr-21	2-May-21	6-May-21	3.74	19.77	11.16	
3-May-21	9-May-21	20-May-21	4.09	20.13	9.60	
10-May-21	16-May-21	20-May-21	4.20	19.80	14.30	
17-May-21	23-May-21	2-Jun-21	2.56	16.57	7.67	
24-May-21	30-May-21	2-Jun-21	3.04	20.62	11.72	
31-May-21	6-Jun-21	17-Jun-21	3.61	20.64	12.93	
7-Jun-21	13-Jun-21	17-Jun-21	3.08	20.63	12.65	
14-Jun-21	20-Jun-21	2-Jul-21	3.45	20.55	11.31	
21-Jun-21	27-Jun-21	2-Jul-21	0.51	12.46	4.49	
28-Jun-21	4-Jul-21	16-Jul-21	1.58	20.78	10.83	
5-Jul-21	11-Jul-21	16-Jul-21	1.56	20.36	10.87	

**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
6-Jan-21	20-Jan-21	27.0	
27-Jan-21	29-Jan-21	28.0	
8-Feb-21	10-Feb-21	28.0	
22-Feb-21	26-Feb-21	28.0	
8-Mar-21	12-Mar-21	27.0	
15-Mar-21	08-Apr-21	27.0	
29-Mar-21	08-Apr-21	27.0	
6-Apr-21	08-Apr-21	25.0	
19-Apr-21	22-Apr-21	24.5	
27-Apr-21	06-May-21	26.0	
10-May-21	20-May-21	22.0	
24-May-21	02-Jun-21	20.0	
4-Jun-21	17-Jun-21	20.0	
16-Jun-21	02-Jul-21	20.0	
23-Jun-21	02-Jul-21	20.0	
7-Jul-21	16-Jul-21	19.5	
12-Jul-21	16-Jul-21	20.0	



**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 maxi

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

> 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 <sup>th</sup> Percentile	3°C > background	Limit/s	Not Prescribed		
			Minimum Reading	Maximum Reading	Mean of Readings	Minimum Temp Diff	Maximum Temp Diff	5°C > background	kL/Day	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge
28-Dec-20	3-Jan-21	6-Jan-21	7.52	7.72	7.62	-7.3	-0.8	-6.8	200	401	395	Cooling tower not operational 26/12/20 to 3/01/21. Data only for 3/01/2021
4-Jan-21	10-Jan-21	20-Jan-21	7.51	7.82	7.69	-7.0	6.7	-6.4	0	594.72	425.45	Cooling tower operational till 06/01/21 <2 minutes 5/01/21
11-Jan-21	17-Jan-21	20-Jan-21	7.76	8.24	8.07	-10.0	4.9	2.2	0	958	424	Cooling Tower Operational 11/01/21
18-Jan-21	24-Jan-21	29-Jan-21	7.70	8.21	8.06	-7.7	4.3	1.6	0	641	549	
25-Jan-21	31-Jan-21	10-Feb-21	7.74	8.19	8.06	-7.8	4.2	1.2	0	796	632	
1-Feb-21	7-Feb-21	10-Feb-21	7.72	8.19	8.05	-8.2	4.0	0.1	0	727	611	
8-Feb-21	14-Feb-21	23-Feb-21	7.39	8.25	8.05	-9.0	6.4	0.4	0	744	542	Multiple occasions <10 minutes 14/02/21
15-Feb-21	21-Feb-21	26-Feb-21	7.25	8.22	8.05	0.5	6.4	2.8	0	608	496	<10 minutes 15/02/21
22-Feb-21	28-Feb-21	12-Mar-21	7.66	8.21	8.06	-5.9	4.7	1.9	0	542	479	
1-Mar-21	7-Mar-21	12-Mar-21	7.46	8.19	8.06	-9.0	4.7	-1.0	0	510	428	
8-Mar-21	14-Mar-21	8-Apr-21	7.59	8.32	8.04	-7.6	6.9	2.3	0	465	373	10 Minutes 13/03/21
15-Mar-21	21-Mar-21	8-Apr-21	7.59	8.23	8.04	-1.5	7.0	2.0	0	782	395	10 Minutes 15/03/21
22-Mar-21	28-Mar-21	8-Apr-21	7.81	8.16	8.06	-5.6	3.9	1.1	0	769	84	Offline 26/03/21
29-Mar-21	4-Apr-21	8-Apr-21	7.57	8.28	7.82	-7.5	0.5	-3.6	0	563	31	Online 29/03/21 and and 30/03/21
5-Apr-21	11-Apr-21	22-Apr-21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Boiler offline
12-Apr-21	18-Apr-21	22-Apr-21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Boiler offline
19-Apr-21	25-Apr-21	6-May-21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Boiler offline
26-Apr-21	2-May-21	6-May-21	7.67	8.22	8.04	-9.8	2.1	-0.8	0	709	272	Boiler offline until 27/04/21
3-May-21	9-May-21	20-May-21	7.64	8.19	8.02	-15.3	2.6	-0.5	0	649	212	
10-May-21	16-May-21	20-May-21	7.64	8.16	8.06	-15.8	1.2	-2.7	0	571	129	
17-May-21	23-May-21	2-Jun-21	7.83	8.19	8.09	-9.0	4.4	1.8	0	536	376	
24-May-21	30-May-21	2-Jun-21	7.71	8.36	8.10	-5.8	4.7	1.7	0	1021	249	
31-May-21	6-Jun-21	17-Jun-21	7.76	8.20	8.09	-14.1	3.6	1.2	0	555	250	
7-Jun-21	13-Jun-21	17-Jun-21	7.74	8.52	8.09	-16.3	4.8	-0.6	0	725	256	pH 10 seconds on 07/06/21
14-Jun-21	20-Jun-21	02-Jul-21	7.93	8.40	8.10	-8.2	5.9	1.4	0	711	294	<10 minutes 16/06/21
21-Jun-21	27-Jun-21	02-Jul-21	7.71	8.17	8.10	-0.9	5.9	2.7	0	683	432	<10 minutes 25/06/21
28-Jun-21	4-Jul-21	16-Jul-21	7.82	8.19	8.09	-4.5	6.9	1.6	0	646	296	<10 minutes 01/07/21
5-Jul-21	11-Jul-21	16-Jul-21	7.87	8.20	8.09	-10.3	4.0	1.7	0	653	185	

**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	90 Percentile Limit Maximum Limit	BOD <sub>5</sub> (mg/L)	TSS (mg/L)	Phosphorus (mg/L)	Nitrogen (mg/L)	Total Residual Chlorine (mg/L)	Notes
				30	40	2.5	45	0.3	
				100	100	7.0	70	0.5	
23-Dec-20	29-Dec-20	06-Jan-21		7.5	8.0	0.46	13.4	0.10	
04-Jan-20	14-Jan-21	20-Jan-21		5.7	4.0	0.3	10.8	0.01	Cooling tower not operational 26/12/20 to 3/01/21
13-Jan-21	21-Jan-21	29-Jan-21		6.0	14.0	0.4	15.6	0.08	
19-Jan-21	29-Jan-21	10-Feb-21		2.7	19.0	0.3	24.4	0.01	
27-Jan-21	02-Feb-21	10-Feb-21		8.0	18.0	0.3	24.3	0.10	
01-Feb-21	12-Feb-21	26-Feb-21		2.0	12.0	0.2	19.2	0.03	
08-Feb-21	18-Feb-21	26-Feb-21		2.2	17.0	0.2	18.9	0.12	
16-Feb-21	23-Feb-21	12-Mar-21		<1.0	11.0	0.2	25.1	0.01	
22-Feb-21	02-Mar-21	12-Mar-21		1.3	9.0	0.2	25.6	0.02	
01-Mar-21	12-Mar-21	08-Apr-21		1.8	11.0	0.2	22.3	0.13	
08-Mar-21	16-Mar-21	08-Apr-21		2.8	13.0	0.2	23.7	0.03	
15-Mar-21	22-Mar-21	08-Apr-21		2.3	17.0	0.5	30.6	0.01	
24-Mar-21	01-Apr-21	08-Apr-21		6.5	4.6	0.36	16.3	0.16	
30-Mar-21	15-Apr-21	22-Apr-21		5.1	13.0	0.6	24.4	0.20	
				Cooling tower not operational from 31/03/2021					
29-Apr-21	11-May-21	20-May-21		<1.0	12.0	0.4	20.4	0.11	
04-May-21	11-May-21	20-May-21		2.4	6.7	0.2	25.9	0.10	
10-May-21	18-May-21	20-May-21		1.8	7.0	0.18	28.2	0.01	
17-May-21	24-May-21	02-Jun-21		3.5	10.0	0.2	35.9	0.03	
24-May-21	04-Jun-21	17-Jun-21		0.9	5.0	0.1	32.8	0.03	
03-Jun-21	10-Jun-21	17-Jun-21		3.0	4.7	0.13	33.8	0.04	
08-Jun-21	15-Jun-21	02-Jul-21		3.0	4.6	0.20	32.6	0.02	
16-Jun-21	21-Jun-21	02-Jul-21		3.6	2.7	0.22	23.8	0.02	
23-Jun-21	30-Jun-21	16-Jul-21		4.5	5.0	0.2	19.4	0.10	
30-Jun-21	08-Jul-21	16-Jul-21		2.5	3.0	0.18	17.0	0.02	
06-Jul-21				To Come	To Come	To Come	To Come	0.02	
13-Jul-21				To Come	To Come	To Come	To Come	0.01	

**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)
Thursday, 31 December 2020	9:01am	Friday, 1 January 2021	9:00am	22.6	0.8
Friday, 1 January 2021	9:01am	Saturday, 2 January 2021	9:00am	0.4	0.2
Saturday, 2 January 2021	9:01am	Sunday, 3 January 2021	9:00am	1.8	0.2
Sunday, 3 January 2021	9:01am	Monday, 4 January 2021	9:00am	0.2	0.2
Monday, 4 January 2021	9:01am	Tuesday, 5 January 2021	9:00am	0.2	0.2
Tuesday, 5 January 2021	9:01am	Wednesday, 6 January 2021	9:00am	0.6	0.2
Wednesday, 6 January 2021	9:01am	Thursday, 7 January 2021	9:00am	21.8	1.2
Thursday, 7 January 2021	9:01am	Friday, 8 January 2021	9:00am	3.8	0.2
Friday, 8 January 2021	9:01am	Saturday, 9 January 2021	9:00am	17.0	0.8
Saturday, 9 January 2021	9:01am	Sunday, 10 January 2021	9:00am	0.4	0.2
Sunday, 10 January 2021	9:01am	Monday, 11 January 2021	9:00am	7.2	0.8
Monday, 11 January 2021	9:01am	Tuesday, 12 January 2021	9:00am	3.8	0.6
Tuesday, 12 January 2021	9:01am	Wednesday, 13 January 2021	9:00am	0.0	0.0
Wednesday, 13 January 2021	9:01am	Thursday, 14 January 2021	9:00am	1.4	0.2
Thursday, 14 January 2021	9:01am	Friday, 15 January 2021	9:00am	0.0	0.0
Friday, 15 January 2021	9:01am	Saturday, 16 January 2021	9:00am	13.4	1.2
Saturday, 16 January 2021	9:01am	Sunday, 17 January 2021	9:00am	0.2	0.2
Sunday, 17 January 2021	9:01am	Monday, 18 January 2021	9:00am	1.4	0.4
Monday, 18 January 2021	9:01am	Tuesday, 19 January 2021	9:00am	68.4	1.4
Tuesday, 19 January 2021	9:01am	Wednesday, 20 January 2021	9:00am	6.2	0.4
Wednesday, 20 January 2021	9:01am	Thursday, 21 January 2021	9:00am	1.8	0.2
Thursday, 21 January 2021	9:01am	Friday, 22 January 2021	9:00am	0.0	0.0
Friday, 22 January 2021	9:01am	Saturday, 23 January 2021	9:00am	0.0	0.0
Saturday, 23 January 2021	9:01am	Sunday, 24 January 2021	9:00am	0.0	0.0
Sunday, 24 January 2021	9:01am	Monday, 25 January 2021	9:00am	0.0	0.0
Monday, 25 January 2021	9:01am	Tuesday, 26 January 2021	9:00am	0.8	0.2
Tuesday, 26 January 2021	9:01am	Wednesday, 27 January 2021	9:00am	0.0	0.0
Wednesday, 27 January 2021	9:01am	Thursday, 28 January 2021	9:00am	7.4	1.0
Thursday, 28 January 2021	9:01am	Friday, 29 January 2021	9:00am	0.0	0.0
Friday, 29 January 2021	9:01am	Saturday, 30 January 2021	9:00am	0.0	0.0
Saturday, 30 January 2021	9:01am	Sunday, 31 January 2021	9:00am	2.4	0.2
Sunday, 31 January 2021	9:01am	Monday, 1 February 2021	9:00am	7.4	0.2
Monday, 1 February 2021	9:01am	Tuesday, 2 February 2021	9:00am	4.0	0.2
Tuesday, 2 February 2021	9:01am	Wednesday, 3 February 2021	9:00am	1.6	0.2
Wednesday, 3 February 2021	9:01am	Thursday, 4 February 2021	9:00am	1.6	0.2
Thursday, 4 February 2021	9:01am	Friday, 5 February 2021	9:00am	0.6	0.2
Friday, 5 February 2021	9:01am	Saturday, 6 February 2021	9:00am	0.4	0.2
Saturday, 6 February 2021	9:01am	Sunday, 7 February 2021	9:00am	0.0	0.0
Sunday, 7 February 2021	9:01am	Monday, 8 February 2021	9:00am	0.0	0.0
Monday, 8 February 2021	9:01am	Tuesday, 9 February 2021	9:00am	0.4	0.2
Tuesday, 9 February 2021	9:01am	Wednesday, 10 February 2021	9:00am	0.0	0.0
Wednesday, 10 February 2021	9:01am	Thursday, 11 February 2021	9:00am	0.2	0.2
Thursday, 11 February 2021	9:01am	Friday, 12 February 2021	9:00am	0.2	0.2
Friday, 12 February 2021	9:01am	Saturday, 13 February 2021	9:00am	0.0	0.0
Saturday, 13 February 2021	9:01am	Sunday, 14 February 2021	9:00am	0.0	0.0
Sunday, 14 February 2021	9:01am	Monday, 15 February 2021	9:00am	0.2	0.2
Monday, 15 February 2021	9:01am	Tuesday, 16 February 2021	9:00am	2.2	0.8
Tuesday, 16 February 2021	9:01am	Wednesday, 17 February 2021	9:00am	20.4	1.0
Wednesday, 17 February 2021	9:01am	Thursday, 18 February 2021	9:00am	56.8	1.4
Thursday, 18 February 2021	9:01am	Friday, 19 February 2021	9:00am	26.2	1.6
Friday, 19 February 2021	9:01am	Saturday, 20 February 2021	9:00am	46.4	1.6
Saturday, 20 February 2021	9:01am	Sunday, 21 February 2021	9:00am	0.0	0.0
Sunday, 21 February 2021	9:01am	Monday, 22 February 2021	9:00am	0.0	0.0
Monday, 22 February 2021	9:01am	Tuesday, 23 February 2021	9:00am	1.4	0.4
Tuesday, 23 February 2021	9:01am	Wednesday, 24 February 2021	9:00am	44.8	2.4
Wednesday, 24 February 2021	9:01am	Thursday, 25 February 2021	9:00am	21.0	1.0
Thursday, 25 February 2021	9:01am	Friday, 26 February 2021	9:00am	0.2	0.2
Friday, 26 February 2021	9:01am	Saturday, 27 February 2021	9:00am	0.0	0.0
Saturday, 27 February 2021	9:01am	Sunday, 28 February 2021	9:00am	0.6	0.2
Sunday, 28 February 2021	9:01am	Monday, 1 March 2021	9:00am	0.0	0.0
Monday, 1 March 2021	9:01am	Tuesday, 2 March 2021	9:00am	0.6	0.2
Tuesday, 2 March 2021	9:01am	Wednesday, 3 March 2021	9:00am	1.0	0.2
Wednesday, 3 March 2021	9:01am	Thursday, 4 March 2021	9:00am	7.8	0.2
Thursday, 4 March 2021	9:01am	Friday, 5 March 2021	9:00am	0.2	0.2
Friday, 5 March 2021	9:01am	Saturday, 6 March 2021	9:00am	5.0	1.0
Saturday, 6 March 2021	9:01am	Sunday, 7 March 2021	9:00am	0.0	0.0
Sunday, 7 March 2021	9:01am	Monday, 8 March 2021	9:00am	0.2	0.2
Monday, 8 March 2021	9:01am	Tuesday, 9 March 2021	9:00am	7.8	0.6
Tuesday, 9 March 2021	9:01am	Wednesday, 10 March 2021	9:00am	22.8	2.6
Wednesday, 10 March 2021	9:01am	Thursday, 11 March 2021	9:00am	16.2	0.6
Thursday, 11 March 2021	9:01am	Friday, 12 March 2021	9:00am	6.4	0.2
Friday, 12 March 2021	9:01am	Saturday, 13 March 2021	9:00am	8.8	0.4
Saturday, 13 March 2021	9:01am	Sunday, 14 March 2021	9:00am	0.0	0.0
Sunday, 14 March 2021	9:01am	Monday, 15 March 2021	9:00am	0.0	0.0
Monday, 15 March 2021	9:01am	Tuesday, 16 March 2021	9:00am	21.4	0.2
Tuesday, 16 March 2021	9:01am	Wednesday, 17 March 2021	9:00am	8.6	0.6
Wednesday, 17 March 2021	9:01am	Thursday, 18 March 2021	9:00am	17.0	0.8
Thursday, 18 March 2021	9:01am	Friday, 19 March 2021	9:00am	6.6	0.4
Friday, 19 March 2021	9:01am	Saturday, 20 March 2021	9:00am	7.6	0.8
Saturday, 20 March 2021	9:01am	Sunday, 21 March 2021	9:00am	28.2	0.8
Sunday, 21 March 2021	9:01am	Monday, 22 March 2021	9:00am	81.0	1.4
Monday, 22 March 2021	9:01am	Tuesday, 23 March 2021	9:00am	56.2	0.6
Tuesday, 23 March 2021	9:01am	Wednesday, 24 March 2021	9:00am	61.6	1.4
Wednesday, 24 March 2021	9:01am	Thursday, 25 March 2021	9:00am	0.2	0.2
Thursday, 25 March 2021	9:01am	Friday, 26 March 2021	9:00am	0.0	0.0
Friday, 26 March 2021	9:01am	Saturday, 27 March 2021	9:00am	0.0	0.0
Saturday, 27 March 2021	9:01am	Sunday, 28 March 2021	9:00am	0.0	0.0
Sunday, 28 March 2021	9:01am	Monday, 29 March 2021	9:00am	0.0	0.0
Monday, 29 March 2021	9:01am	Tuesday, 30 March 2021	9:00am	14.0	0.6
Tuesday, 30 March 2021	9:01am	Wednesday, 31 March 2021	9:00am	1.0	0.2
Wednesday, 31 March 2021	9:01am	Thursday, 1 April 2021	9:00am	10.4	0.2
Thursday, 1 April 2021	9:01am	Friday, 2 April 2021	9:00am	13.4	0.6
Friday, 2 April 2021	9:01am	Saturday, 3 April 2021	9:00am	0.0	0.0
Saturday, 3 April 2021	9:01am	Sunday, 4 April 2021	9:00am	8.2	1.4
Sunday, 4 April 2021	9:01am	Monday, 5 April 2021	9:00am	23.0	0.4
Monday, 5 April 2021	9:01am	Tuesday, 6 April 2021	9:00am	60.8	0.8
Tuesday, 6 April 2021	9:01am	Wednesday, 7 April 2021	9:00am	39.0	0.8
Wednesday, 7 April 2021	9:01am	Thursday, 8 April 2021	9:00am	2.8	0.2
Thursday, 8 April 2021	9:01am	Friday, 9 April 2021	9:00am	0.6	0.2
Friday, 9 April 2021	9:01am	Saturday, 10 April 2021	9:00am	0.2	0.2
Saturday, 10 April 2021	9:01am	Sunday, 11 April 2021	9:00am	0.0	0.0
Sunday, 11 April 2021	9:01am	Monday, 12 April 2021	9:00am	0.0	0.0
Monday, 12 April 2021	9:01am	Tuesday, 13 April 2021	9:00am	0.0	0.0
Tuesday, 13 April 2021	9:01am	Wednesday, 14 April 2021	9:00am	0.0	0.0
Wednesday, 14 April 2021	9:01am	Thursday, 15 April 2021	9:00am	0.0	0.0
Thursday, 15 April 2021	9:01am	Friday, 16 April 2021	9:00am	0.2	0.2
Friday, 16 April 2021	9:01am	Saturday, 17 April 2021	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 GAUGE CONTINUOUS RAINFALL MONITORING**

Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Saturday, 17 April 2021	9:01am	Sunday, 18 April 2021	9:00am	3.2	0.2
Sunday, 18 April 2021	9:01am	Monday, 19 April 2021	9:00am	0.0	0.0
Monday, 19 April 2021	9:01am	Tuesday, 20 April 2021	9:00am	0.2	0.2
Tuesday, 20 April 2021	9:01am	Wednesday, 21 April 2021	9:00am	0.0	0.0
Wednesday, 21 April 2021	9:01am	Thursday, 22 April 2021	9:00am	0.0	0.0
Thursday, 22 April 2021	9:01am	Friday, 23 April 2021	9:00am	0.0	0.0
Friday, 23 April 2021	9:01am	Saturday, 24 April 2021	9:00am	0.0	0.0
Saturday, 24 April 2021	9:01am	Sunday, 25 April 2021	9:00am	0.0	0.0
Sunday, 25 April 2021	9:01am	Monday, 26 April 2021	9:00am	0.0	0.0
Monday, 26 April 2021	9:01am	Tuesday, 27 April 2021	9:00am	0.4	0.2
Tuesday, 27 April 2021	9:01am	Wednesday, 28 April 2021	9:00am	0.8	0.4
Wednesday, 28 April 2021	9:01am	Thursday, 29 April 2021	9:00am	2.4	0.4
Thursday, 29 April 2021	9:01am	Friday, 30 April 2021	9:00am	1.8	0.4
Friday, 30 April 2021	9:01am	Saturday, 1 May 2021	9:00am	54.8	2.2
Saturday, 1 May 2021	9:01am	Sunday, 2 May 2021	9:00am	2.2	0.4
Sunday, 2 May 2021	9:01am	Monday, 3 May 2021	9:00am	0.2	0.2
Monday, 3 May 2021	9:01am	Tuesday, 4 May 2021	9:00am	0.8	0.2
Tuesday, 4 May 2021	9:01am	Wednesday, 5 May 2021	9:00am	2.4	0.2
Wednesday, 5 May 2021	9:01am	Thursday, 6 May 2021	9:00am	16.0	0.6
Thursday, 6 May 2021	9:01am	Friday, 7 May 2021	9:00am	0.2	0.2
Friday, 7 May 2021	9:01am	Saturday, 8 May 2021	9:00am	0.0	0.0
Saturday, 8 May 2021	9:01am	Sunday, 9 May 2021	9:00am	0.2	0.2
Sunday, 9 May 2021	9:01am	Monday, 10 May 2021	9:00am	0.4	0.2
Monday, 10 May 2021	9:01am	Tuesday, 11 May 2021	9:00am	4.0	0.2
Tuesday, 11 May 2021	9:01am	Wednesday, 12 May 2021	9:00am	19.2	1.2
Wednesday, 12 May 2021	9:01am	Thursday, 13 May 2021	9:00am	2.0	0.4
Thursday, 13 May 2021	9:01am	Friday, 14 May 2021	9:00am	0.0	0.0
Friday, 14 May 2021	9:01am	Saturday, 15 May 2021	9:00am	0.2	0.2
Saturday, 15 May 2021	9:01am	Sunday, 16 May 2021	9:00am	0.0	0.0
Sunday, 16 May 2021	9:01am	Monday, 17 May 2021	9:00am	0.0	0.0
Monday, 17 May 2021	9:01am	Tuesday, 18 May 2021	9:00am	0.0	0.0
Tuesday, 18 May 2021	9:01am	Wednesday, 19 May 2021	9:00am	0.4	0.2
Wednesday, 19 May 2021	9:01am	Thursday, 20 May 2021	9:00am	0.2	0.2
Thursday, 20 May 2021	9:01am	Friday, 21 May 2021	9:00am	0.2	0.2
Friday, 21 May 2021	9:01am	Saturday, 22 May 2021	9:00am	2.2	0.6
Saturday, 22 May 2021	9:01am	Sunday, 23 May 2021	9:00am	1.0	0.2
Sunday, 23 May 2021	9:01am	Monday, 24 May 2021	9:00am	0.0	0.0
Monday, 24 May 2021	9:01am	Tuesday, 25 May 2021	9:00am	0.6	0.2
Tuesday, 25 May 2021	9:01am	Wednesday, 26 May 2021	9:00am	0.8	0.2
Wednesday, 26 May 2021	9:01am	Thursday, 27 May 2021	9:00am	0.0	0.0
Thursday, 27 May 2021	9:01am	Friday, 28 May 2021	9:00am	0.2	0.2
Friday, 28 May 2021	9:01am	Saturday, 29 May 2021	9:00am	0.0	0.0
Saturday, 29 May 2021	9:01am	Sunday, 30 May 2021	9:00am	0.0	0.0
Sunday, 30 May 2021	9:01am	Monday, 31 May 2021	9:00am	0.0	0.0
Monday, 31 May 2021	9:01am	Tuesday, 1 June 2021	9:00am	0.0	0.0
Tuesday, 1 June 2021	9:01am	Wednesday, 2 June 2021	9:00am	0.0	0.0
Wednesday, 2 June 2021	9:01am	Thursday, 3 June 2021	9:00am	0.0	0.0
Thursday, 3 June 2021	9:01am	Friday, 4 June 2021	9:00am	1.0	0.2
Friday, 4 June 2021	9:01am	Saturday, 5 June 2021	9:00am	0.0	0.0
Saturday, 5 June 2021	9:01am	Sunday, 6 June 2021	9:00am	0.0	0.0
Sunday, 6 June 2021	9:01am	Monday, 7 June 2021	9:00am	0.2	0.2
Monday, 7 June 2021	9:01am	Tuesday, 8 June 2021	9:00am	0.0	0.0
Tuesday, 8 June 2021	9:01am	Wednesday, 9 June 2021	9:00am	0.6	0.2
Wednesday, 9 June 2021	9:01am	Thursday, 10 June 2021	9:00am	0.0	0.0
Thursday, 10 June 2021	9:01am	Friday, 11 June 2021	9:00am	0.0	0.0
Friday, 11 June 2021	9:01am	Saturday, 12 June 2021	9:00am	0.0	0.0
Saturday, 12 June 2021	9:01am	Sunday, 13 June 2021	9:00am	0.0	0.0
Sunday, 13 June 2021	9:01am	Monday, 14 June 2021	9:00am	0.0	0.0
Monday, 14 June 2021	9:01am	Tuesday, 15 June 2021	9:00am	0.0	0.0
Tuesday, 15 June 2021	9:01am	Wednesday, 16 June 2021	9:00am	3.6	0.4
Wednesday, 16 June 2021	9:01am	Thursday, 17 June 2021	9:00am	0.0	0.0
Thursday, 17 June 2021	9:01am	Friday, 18 June 2021	9:00am	0.0	0.0
Friday, 18 June 2021	9:01am	Saturday, 19 June 2021	9:00am	0.0	0.0
Saturday, 19 June 2021	9:01am	Sunday, 20 June 2021	9:00am	0.0	0.0
Sunday, 20 June 2021	9:01am	Monday, 21 June 2021	9:00am	0.0	0.0
Monday, 21 June 2021	9:01am	Tuesday, 22 June 2021	9:00am	0.0	0.0
Tuesday, 22 June 2021	9:01am	Wednesday, 23 June 2021	9:00am	1.6	0.2
Wednesday, 23 June 2021	9:01am	Thursday, 24 June 2021	9:00am	1.2	0.2
Thursday, 24 June 2021	9:01am	Friday, 25 June 2021	9:00am	0.0	0.0
Friday, 25 June 2021	9:01am	Saturday, 26 June 2021	9:00am	0.0	0.0
Saturday, 26 June 2021	9:01am	Sunday, 27 June 2021	9:00am	0.6	0.2
Sunday, 27 June 2021	9:01am	Monday, 28 June 2021	9:00am	0.0	0.0
Monday, 28 June 2021	9:01am	Tuesday, 29 June 2021	9:00am	1.4	0.2
Tuesday, 29 June 2021	9:01am	Wednesday, 30 June 2021	9:00am	20.6	0.4
Wednesday, 30 June 2021	9:01am	Thursday, 1 July 2021	9:00am	27.0	0.6
Thursday, 1 July 2021	9:01am	Friday, 2 July 2021	9:00am	37.6	0.6
Friday, 2 July 2021	9:01am	Saturday, 3 July 2021	9:00am	15.0	0.4
Saturday, 3 July 2021	9:01am	Sunday, 4 July 2021	9:00am	14.2	0.4
Sunday, 4 July 2021	9:01am	Monday, 5 July 2021	9:00am	0.0	0.0
Monday, 5 July 2021	9:01am	Tuesday, 6 July 2021	9:00am	0.2	0.2
Tuesday, 6 July 2021	9:01am	Wednesday, 7 July 2021	9:00am	0.2	0.2
Wednesday, 7 July 2021	9:01am	Thursday, 8 July 2021	9:00am	0.0	0.0
Thursday, 8 July 2021	9:01am	Friday, 9 July 2021	9:00am	5.2	0.2
Friday, 9 July 2021	9:01am	Saturday, 10 July 2021	9:00am	2.6	0.4
Saturday, 10 July 2021	9:01am	Sunday, 11 July 2021	9:00am	0.0	0.0
Sunday, 11 July 2021	9:01am	Monday, 12 July 2021	9:00am	0.0	0.0
Monday, 12 July 2021	9:01am	Tuesday, 13 July 2021	9:00am	0.0	0.0
Tuesday, 13 July 2021	9:01am	Wednesday, 14 July 2021	9:00am	0.0	0.0

**Sampling Point:** **Monitoring Point 12 - Stormwater Discharge From Stockpile Catchment Basin**  
 Licencee 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	6.5 - 8.5	No Limit	50.0	
19-Jan-21	28-Jan-21	29-Jan-21		8.2	1.3	7.88	0.3	32.00	
23-Feb-21	01-Mar-21	12-Mar-21		10.0	2.1	7.17	0.9	37.00	
15-Mar-21	22-Mar-21	08-Apr-21		5.5	1.2	7.47	0.5	44.00	
25-Mar-21	31-Mar-21	08-Apr-21		15.0	0.9	6.99	0.4	38.00	
13-May-21	19-May-21	02-Jun-21		3.7	0.8	7.65	0.2	11.00	
09-Jul-21	14-Jul-21	16-Jul-21		9.7	1.0	6.89	0.2	37.00	

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