



## **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**

Test Number	AE 13475	AE 13616	AE 13741	AE 13900	AE 14169	AE 14321
Sampling Date	10/02/2021	18/05/2021	16/07/2021	26/10/2021	8/02/2022	11/05/2022
Date Received	2/03/2002	26/05/2021	2/08/2021	9/11/2021	23/02/2022	7/06/2022
Date Published	12/03/2021	2/06/2021	13/08/2021	23/11/2021	22/04/2022	29/06/2022

Measured Parameters dry @ STP and corrected to 7% O <sub>2</sub>	Units	Concentration Limit						
Average stack gas temperature	°C	Not Applicable	60.00	65.00	67.00	69.00	60.00	68.00
Average velocity at sampling plane	m/s	Not Applicable	12.90	12.90	13.90	14.50	14.20	13.90
Dry Gas Volumetric Flowrate	m <sup>3</sup> /sec	Not Applicable	54.85	55.58	59.45	59.43	63.43	59.30
Dry Gas Density	kg/m <sup>3</sup>	Not Applicable	1.33	1.35	1.34	1.35	1.33	1.33
Molecular Weight of Stack Gases	g/g mole	Not Applicable	29.80	30.20	30.00	30.30	29.90	29.80
Moisture content	%	Not Applicable	18.00	15.40	16.00	19.10	13.80	16.30
Concentration of carbon dioxide	%	Not Applicable	7.74	11.60	9.70	12.20	8.67	7.88
Total Solid Particles	mg/m <sup>3</sup>	100.00	20.20	56.20	14.10	17.40	14.10	17.40
Sulphuric Acid Mist & Sulphur Trioxide as SO <sub>3</sub>	mg/m <sup>3</sup>	30.00	3.57	14.20	15.20	4.88	13.80	12.50
Nitrogen Oxides (NO <sub>x</sub> )	mg/m <sup>3</sup>	500.00	186.00	216.00	263.00	224.00	169.00	209.00

**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/m2/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
03-Aug-21	11-Aug-21	13-Aug-21	1.43	Fine org. matter
06-Sep-21	10-Sep-21	23-Sep-21	3.56	Fine org. matter
05-Oct-21	14-Oct-21	22-Oct-21	3.31	Fine org. matter
03-Nov-21	05-Nov-21	15-Dec-21	0.50	
06-Dec-21	15-Dec-21	15-Dec-21	2.07	
04-Jan-22	21-Jan-22	28-Jan-22	7.79	
01-Feb-22	NA	22-Apr-22	NA	Flood damage to plant operations
01-Mar-22	NA	22-Apr-22	NA	Bottles flood damaged and not serviceable, new bottles set 08/04/2022, plant not operational
05-May-22	09-May-22	18-May-22	4.52	Fine org. matter
06-Jun-22	17-Jun-22	29-Jun-22	0.56	Organic matter
04-Jul-22	08-Aug-22	10-Aug-22	3.03	Cloudy
08-Aug-22	NA	NA	NA	Bottle smashed at EAL
06-Sep-22	12-Sep-22	21-Sep-22	2.16	Organic matter

**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
06-Jan-22	21-Jan-22	28-Jan-22	11.2	
12-Jan-22	NR	22-Apr-22	NR	28 Feb - PM10 sampler flood damaged no data
18-Jan-22	NR	22-Apr-22	NR	Flood damage to plant operations
24-Jan-22	NR	22-Apr-22	NR	Flood damage to plant operations
30-Jan-22	NR	22-Apr-22	NR	Flood damage to plant operations
05-Feb-22	NR	22-Apr-22	NR	Flood damage to plant operations
11-Feb-22	NR	22-Apr-22	NR	Flood damage to plant operations
17-Feb-22	NR	22-Apr-22	NR	Flood damage to plant operations
23-Feb-22	NR	22-Apr-22	NR	Flood damage to plant operations
01-Mar-22	NR	22-Apr-22	NR	Flood damage to plant operations
07-Mar-22	NR	22-Apr-22	NR	Flood damage to plant operations
13-Mar-22	NR	22-Apr-22	NR	Flood damage to plant operations
19-Mar-22	NR	22-Apr-22	NR	Flood damage to plant operations
25-Mar-22	NR	22-Apr-22	NR	PM10 sampler flood damaged new unit on order
31-Mar-22	NR	22-Apr-22	NR	PM10 sampler flood damaged new unit on order
06-Apr-22	NR	22-Apr-22	NR	PM10 sampler flood damaged new unit on order
12-Apr-22	NR	22-Apr-22	NR	PM10 sampler flood damaged new unit on order
18-Apr-22	NR	06-May-22	NR	PM10 sampler flood damaged new unit on order
24-Apr-22	NR	06-May-22	NR	PM10 sampler flood damaged new unit on order
30-Apr-22	NR	06-May-22	NR	PM10 sampler flood damaged new unit on order
06-May-22	NR	06-May-22	NR	PM10 sampler flood damaged new unit on order
12-May-22	NR	18-May-22	NR	PM10 sampler flood damaged new unit on order
18-May-22	NR	18-May-22	NR	PM10 sampler flood damaged new unit on order
24-May-22	NR	31-May-22	NR	PM10 sampler flood damaged new unit on order
30-May-22	NR	31-May-22	NR	PM10 sampler flood damaged new unit on order
05-Jun-22	NR	01-Jun-22	NR	PM10 sampler flood damaged new unit on order
11-Jun-22	NR	02-Jun-22	NR	PM10 sampler flood damaged new unit on order
17-Jun-22	NR	03-Jun-22	NR	PM10 sampler flood damaged new unit on order
23-Jun-22	NR	04-Jun-22	NR	PM10 sampler flood damaged new unit on order
29-Jun-22	NR	05-Jun-22	NR	PM10 sampler flood damaged new unit on order
05-Jul-22	19-Jul-22	27-Jul-22	24.8	
11-Jul-22	17-Aug-22	24-Aug-22	12.1	
17-Jul-22	17-Aug-22	24-Aug-22	25.2	
23-Jul-22	17-Aug-22	24-Aug-22	24.1	
29-Jul-22	01-Aug-22	21-Sep-22	19.1	
04-Aug-22	08-Aug-22	21-Sep-22	29.1	
10-Aug-22	12-Aug-22	21-Sep-22	23.5	
16-Aug-22	18-Aug-22	21-Sep-22	30.3	
22-Aug-22	24-Aug-22	21-Sep-22	19.2	

**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
03-Aug-21	11-Aug-21	13-Aug-21	1.15	Fine org. matter
06-Sep-21	10-Sep-21	23-Sep-21	1.94	Large org. matter, cloudy
05-Oct-21	14-Oct-21	22-Oct-21	3.31	ants, fine org. matter
03-Nov-21	05-Nov-21	23-Nov-21	0.50	Leaf, fine org. matter
06-Dec-21	15-Dec-21	15-Dec-21	0.56	Spider, large org. matter
04-Jan-22	21-Jan-22	28-Jan-22	3.42	Fine org. matter
01-Feb-22	NA	22-Apr-22	NA	Flood damage to plant operations
01-Mar-22	NA	22-Apr-22	NA	Bottles flood damaged and not serviceable, new bottles set 08/04/2022
05-May-22	09-May-22	18-May-22	1.06	Fine org. matter
06-Jun-22	17-Jun-22	29-Jun-22	0.88	Organic matter
04-Jul-22	08-Aug-22	10-Aug-22	2.86	Bugs, grass Fine Org.Matter
08-Aug-22	12-Aug-22	24-Aug-22	1.22	Dead worm. Fine Org.Matter, Large Org. Matter
06-Sep-22	12-Sep-22	21-Sep-22	2.27	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/m2/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
03-Aug-21	11-Aug-21	13-Aug-21	3.25	Fine org. matter, cloudy
06-Sep-21	10-Sep-21	23-Sep-21	3.43	Large org. matter, cloudy
05-Oct-21	14-Oct-21	22-Oct-21	6.57	Fine org. matter, cloudy
03-Nov-21	05-Nov-21	23-Nov-21	2.29	Fine org. matter
06-Dec-21	15-Dec-21	15-Dec-21	6.12	Dirt, fine org. matter
04-Jan-22	21-Jan-22	28-Jan-22	5.07	Fine org. matter
NA	01-Feb-22	22-Apr-22	NA	Flood damage to plant operations
NA				Bottles flood damaged and not serviceable, new bottles set 08/04/2021
NA	01-Mar-22	22-Apr-22	NA	
05-May-22	09-May-22	18-May-22	0.92	Fine org. matter
06-Jun-22	17-Jun-22	29-Jun-22	1.61	Organic matter & algae
04-Jul-22	08-Aug-22	10-Aug-22	2.52	Grasshopper, spider, Org.Matter, Cloudy
08-Aug-22	12-Aug-22	24-Aug-22	1.46	Fine Org. Matter
06-Sep-22	12-Aug-22	21-Sep-22	5.06	Yellow, Cloudy

**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	6-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	
12-Jul-21	18-Jul-21	30-Jul-21	0.34	19.81	5.22	
19-Jul-21	25-Jul-21	30-Jul-21	0.09	20.54	4.85	
26-Jul-21	1-Aug-21	13-Aug-21	0.89	10.89	4.60	
2-Aug-21	8-Aug-21	13-Aug-21	0.88	12.93	4.85	
9-Aug-21	15-Aug-21	28-Aug-21	0.59	20.36	9.80	
16-Aug-21	22-Aug-21	28-Aug-21	0.34	20.54	4.71	
23-Aug-21	29-Aug-21	9-Sep-21	0.09	20.55	5.39	
30-Aug-21	5-Sep-21	9-Sep-21	0.01	12.51	5.92	
6-Sep-21	12-Sep-21	23-Sep-21	0.01	20.37	5.90	
13-Sep-21	19-Sep-21	23-Sep-21	0.01	13.77	4.21	
20-Sep-21	26-Sep-21	8-Oct-21	0.08	12.70	4.33	
27-Sep-21	3-Oct-21	8-Oct-21	0.08	20.68	6.57	
4-Oct-21	10-Oct-21	22-Oct-21	0.01	11.26	4.61	
11-Oct-21	17-Oct-21	22-Oct-21	1.22	20.74	11.02	
18-Oct-21	24-Oct-21	5-Nov-21	0.01	12.71	4.61	
25-Oct-21	31-Oct-21	5-Nov-21	0.40	12.39	4.18	
1-Nov-21	7-Nov-21	23-Nov-21	0.14	13.48	4.26	
8-Nov-21	14-Nov-21	23-Nov-21	0.49	20.68	6.23	
15-Nov-21	21-Nov-21	15-Dec-21	0.01	15.48	4.16	
22-Nov-21	28-Nov-21	15-Dec-21	1.19	20.46	9.20	
29-Nov-21	5-Dec-21	15-Dec-21	2.91	20.31	17.78	
6-Dec-21	12-Dec-21	15-Dec-21	3.91	20.42	13.06	Boiler Shutdown 11/12/21
13-Dec-21	19-Dec-21	22-Dec-21	N/A	N/A	N/A	Boiler offline
20-Dec-21	26-Dec-21	14-Jan-22	4.47	20.12	17.07	Boiler offline 23/12/21 to 26/12/21
27-Dec-21	2-Jan-22	14-Jan-22	N/A	N/A	N/A	Boiler offline
3-Jan-22	9-Jan-22	14-Jan-22	4.98	19.67	19.67	Online 9/01
10-Jan-22	16-Jan-22	28-Jan-22	3.60	20.30	15.94	Boiler Offline 12/1/22 - 16/1/22
17-Jan-22	23-Jan-22	28-Jan-22	-0.01	19.69	19.54	Online 21/1/22
24-Jan-22	30-Jan-22	11-Feb-22	-1.00	20.39	7.53	Boiler Offline 24/1/22, 26/1/22 and 30/1/22
31-Jan-22	6-Feb-22	11-Feb-22	2.92	20.14	16.44	Boiler Offline 1/2/22, 3/2/22 - 6/2/22
7-Feb-22	13-Feb-22	25-Feb-22	3.56	20.54	12.46	Boiler offline 1/2/22, 12/2/22
14-Feb-22	20-Feb-22	25-Feb-22	1.97	20.28	13.45	Boiler offline 14/2/22, 15/2/22, 16/2/22, 19/2/22, 20/2/22
21-Feb-22	27-Feb-22	22-Apr-22	2.68	19.87	13.17	Boiler off line 24/2/22 - 28/2/22
28-Feb-22	6-Mar-22	22-Apr-22	NA	NA	NA	Flood damage to plant operations Boiler off line 28/2/22 - 10/2/22
7-Mar-22	13-Mar-22	22-Apr-22	NA	NA	NA	Boiler off line 28/3/22 - 10/3/22 No data due to no power from flood
14-Mar-22	20-Mar-22	22-Apr-22	NA	NA	NA	Flood damage to plant operations Boiler offline flood and annual shut down
21-Mar-22	27-Mar-22	22-Apr-22	NA	NA	NA	Boiler offline 21/3/22 - 27/3/22
28-Mar-22	3-Apr-22	22-Apr-22	NA	NA	NA	Boiler offline 28/2/22 - 03/3/22
4-Apr-22	10-Apr-22	22-Apr-22	-0.77	20.47	19.94	Boiler offline - 04/03/22 - 10/4/22
11-Apr-22	17-Apr-22	6-May-22	2.16	20.36	9.64	
18-Apr-22	24-Apr-22	6-May-22	2.13	8.17	7.30	
25-Apr-22	1-May-22	6-May-22	-0.77	20.16	9.88	
2-May-22	8-May-22	18-May-22	0.19	20.23	8.89	Boiler offline 07/05/22 - 08/05/22
9-May-22	15-May-22	18-May-22	2.47	20.32	9.75	
16-May-22	22-May-22	31-May-22	2.17	20.07	10.45	Boiler offline 21/05/22 - 22/05/22
23-May-22	29-May-22	31-May-22	2.57	20.24	10.55	Boiler offline 23/05/22, 28/05/22, 29/05/22
30-May-22	5-Jun-22	17-Jun-22	0.09	19.81	6.88	Boiler offline 05/06/22
6-Jun-22	12-Jun-22	17-Jun-22	1.97	20.14	7.97	Boiler offline 10/06/22-11/06/22
13-Jun-22	19-Jun-22	29-Jun-22	2.54	20.08	8.56	Boiler offline 18/06/22-19/06/22
20-Jun-22	26-Jun-22	29-Jun-22	0.00	19.87	6.59	Boiler offline 21/06/22-22/06/22
27-Jun-22	3-Jul-22	15-Jul-22	0.00	16.44	4.16	
4-Jul-22	10-Jul-22	15-Jul-22	2.30	20.11	8.78	Boiler offline 10/07/22
11-Jul-22	17-Jul-22	27-Jul-22	0.00	23.32	6.44	Boiler offline 14/07/22-15/07/22
18-Jul-22	24-Jul-22	27-Jul-22	0.00	20.36	7.91	Boiler offline 23/07/22 - 24/07/22
25-Jul-22	31-Jul-22	10-Aug-22	0.06	20.17	6.96	Boiler offline 26/07/22-27/07/22
1-Aug-22	7-Aug-22	10-Aug-22	0.00	8.81	2.98	
8-Aug-22	14-Aug-22	24-Aug-22	0.00	14.53	2.44	
15-Aug-22	21-Aug-22	24-Aug-22	0.00	20.12	3.63	
22-Aug-22	28-Aug-22	7-Sep-22	0.00	7.68	2.92	Boiler offline 18/08/2022
29-Aug-22	4-Sep-22	7-Sep-22	0.00	20.15	6.42	Boiler offline 01/09/2022, 03/09/2022, 04/09/2022
5-Sep-22	11-Sep-22	21-Sep-22	0.02	20.72	8.43	Boiler offline 05/09/2022, 10/09/2022, 11/09/2022
12-Sep-22	18-Sep-22	21-Sep-22	0.00	11.39	4.17	

**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	
26-Jul-21	30-Jul-21	19.0	
9-Aug-21	13-Aug-21	19.0	
23-Aug-21	26-Aug-21	19.0	
31-Aug-21	09-Sep-21	19.0	
10-Sep-21	23-Sep-21	19.5	
21-Sep-21	23-Sep-21	22.5	
4-Oct-21	08-Oct-21	22.0	
11-Oct-21	22-Oct-21	24.0	
22-Oct-21	05-Nov-21	24.0	
2-Nov-21	05-Nov-21	24.5	
12-Nov-21	15-Dec-21	24.0	
6-Dec-21	15-Dec-21	24.0	
20-Dec-21	15-Dec-21	25.0	
29-Dec-21	14-Jan-22	24.0	
11-Jan-22	14-Jan-22	26.5	
11-Jan-22	22-Apr-22	26.0	
26-Jan-22	22-Apr-22	25.0	
31-Jan-22	22-Apr-22	28.0	
21-Jan-22	22-Apr-22	30.0	
3-Feb-22	22-Apr-22	24.0	
11-Feb-22	22-Apr-22	24.0	
12-Feb-22	22-Apr-22	24.0	
17-Feb-22	22-Apr-22	25.0	
18-Feb-22	22-Apr-22	29.0	
19-Feb-22	22-Apr-22	24.0	
21-Feb-22	22-Apr-22	24.0	Flood damage to plant operations
11-Apr-22	22-Apr-22	23.1	Flood damage to plant operations
21-Apr-22	22-Apr-22	26.0	
28-Apr-22	06-May-22	25.0	
5-May-22	06-May-22	26.0	
16-May-22	17-May-22	26.5	
23-May-22	31-May-22	26.0	
6-Jun-22	17-Jun-22	26.0	
13-Jun-22	29-Jun-22	24.0	
20-Jun-22	29-Jun-22	24.0	
27-Jun-22	15-Jul-22	24.0	
4-Jul-22	15-Jul-22	24.0	
11-Jul-22	15-Jul-22	24.0	
18-Jul-22	27-Jul-22	24.0	
25-Jul-22	31-Jul-22	24.0	
1-Aug-22	08-Aug-22	24.0	
9-Aug-22	24-Aug-22	24.0	
16-Aug-22	24-Aug-22	24.0	
23-Aug-22	24-Aug-22	24.0	
30-Aug-22	07-Sep-22	24.0	
6-Sep-22	21-Sep-22	24.0	
13-Sep-22	21-Sep-22	24.0	



**Monitoring Point 11 - Stockpile Stormwater Discharge**  
 License: Cape Byron Management Pty Ltd  
 Location: Condong Co-generation Power Plant  
 EPL No: 20424  
 Parameter(s) Monitored: Rainfall  
 Frequency & Method: 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)
Friday, 31 December 2021	9:01am	Saturday, 1 January 2022	9:00am		4.0	0.4
Saturday, 1 January 2022	9:01am	Sunday, 2 January 2022	9:00am		9.0	0.4
Sunday, 2 January 2022	9:01am	Monday, 3 January 2022	9:00am		41.8	1.2
Monday, 3 January 2022	9:01am	Tuesday, 4 January 2022	9:00am		1.2	0.2
Tuesday, 4 January 2022	9:01am	Wednesday, 5 January 2022	9:00am		0.0	0.0
Wednesday, 5 January 2022	9:01am	Thursday, 6 January 2022	9:00am		8.2	0.4
Thursday, 6 January 2022	9:01am	Friday, 7 January 2022	9:00am		38.0	1.0
Friday, 7 January 2022	9:01am	Saturday, 8 January 2022	9:00am		4.6	0.8
Saturday, 8 January 2022	9:01am	Sunday, 9 January 2022	9:00am		1.0	0.2
Sunday, 9 January 2022	9:01am	Monday, 10 January 2022	9:00am		6.6	0.6
Monday, 10 January 2022	9:01am	Tuesday, 11 January 2022	9:00am		0.0	0.0
Tuesday, 11 January 2022	9:01am	Wednesday, 12 January 2022	9:00am		0.4	0.2
Wednesday, 12 January 2022	9:01am	Thursday, 13 January 2022	9:00am		0.2	0.2
Thursday, 13 January 2022	9:01am	Friday, 14 January 2022	9:00am		1.0	0.2
Friday, 14 January 2022	9:01am	Saturday, 15 January 2022	9:00am		0.0	0.0
Saturday, 15 January 2022	9:01am	Sunday, 16 January 2022	9:00am		0.0	0.0
Sunday, 16 January 2022	9:01am	Monday, 17 January 2022	9:00am		18.8	0.8
Monday, 17 January 2022	9:01am	Tuesday, 18 January 2022	9:00am		0.0	0.0
Tuesday, 18 January 2022	9:01am	Wednesday, 19 January 2022	9:00am		0.4	0.2
Wednesday, 19 January 2022	9:01am	Thursday, 20 January 2022	9:00am		0.2	0.2
Thursday, 20 January 2022	9:01am	Friday, 21 January 2022	9:00am		25.8	0.8
Friday, 21 January 2022	9:01am	Saturday, 22 January 2022	9:00am		37.0	0.8
Saturday, 22 January 2022	9:01am	Sunday, 23 January 2022	9:00am		4.4	0.4
Sunday, 23 January 2022	9:01am	Monday, 24 January 2022	9:00am		11.0	0.8
Monday, 24 January 2022	9:01am	Tuesday, 25 January 2022	9:00am		8.4	0.6
Tuesday, 25 January 2022	9:01am	Wednesday, 26 January 2022	9:00am		0.0	0.0
Wednesday, 26 January 2022	9:01am	Thursday, 27 January 2022	9:00am		2.0	0.2
Thursday, 27 January 2022	9:01am	Friday, 28 January 2022	9:00am		1.0	0.2
Friday, 28 January 2022	9:01am	Saturday, 29 January 2022	9:00am		15.2	0.6
Saturday, 29 January 2022	9:01am	Sunday, 30 January 2022	9:00am		6.2	0.6
Sunday, 30 January 2022	9:01am	Monday, 31 January 2022	9:00am		3.4	0.4
Monday, 31 January 2022	9:01am	Tuesday, 1 February 2022	9:00am		2.4	0.4
Tuesday, 1 February 2022	9:01am	Wednesday, 2 February 2022	9:00am		0.2	0.2
Wednesday, 2 February 2022	9:01am	Thursday, 3 February 2022	9:00am		4.8	0.4
Thursday, 3 February 2022	9:01am	Friday, 4 February 2022	9:00am		23.8	1.2
Friday, 4 February 2022	9:01am	Saturday, 5 February 2022	9:00am		34.0	0.4
Saturday, 5 February 2022	9:01am	Sunday, 6 February 2022	9:00am		0.4	0.2
Sunday, 6 February 2022	9:01am	Monday, 7 February 2022	9:00am		3.0	0.4
Monday, 7 February 2022	9:01am	Tuesday, 8 February 2022	9:00am		8.4	0.4
Tuesday, 8 February 2022	9:01am	Wednesday, 9 February 2022	9:00am		4.2	0.6
Wednesday, 9 February 2022	9:01am	Thursday, 10 February 2022	9:00am		0.2	0.2
Thursday, 10 February 2022	9:01am	Friday, 11 February 2022	9:00am		0.0	0.0
Friday, 11 February 2022	9:01am	Saturday, 12 February 2022	9:00am		0.0	0.0
Saturday, 12 February 2022	9:01am	Sunday, 13 February 2022	9:00am		0.2	0.2
Sunday, 13 February 2022	9:01am	Monday, 14 February 2022	9:00am		5.8	0.6
Monday, 14 February 2022	9:01am	Tuesday, 15 February 2022	9:00am		11.6	0.6
Tuesday, 15 February 2022	9:01am	Wednesday, 16 February 2022	9:00am		6.6	0.4
Wednesday, 16 February 2022	9:01am	Thursday, 17 February 2022	9:00am		4.0	0.4
Thursday, 17 February 2022	9:01am	Friday, 18 February 2022	9:00am		0.0	0.0
Friday, 18 February 2022	9:01am	Saturday, 19 February 2022	9:00am		0.0	0.0
Saturday, 19 February 2022	9:01am	Sunday, 20 February 2022	9:00am		10.8	1.4
Sunday, 20 February 2022	9:01am	Monday, 21 February 2022	9:00am		5.6	0.4
Monday, 21 February 2022	9:01am	Tuesday, 22 February 2022	9:00am		0.2	0.2
Tuesday, 22 February 2022	9:01am	Wednesday, 23 February 2022	9:00am		0.2	0.2
Wednesday, 23 February 2022	9:01am	Thursday, 24 February 2022	9:00am		29.4	1.0
Thursday, 24 February 2022	9:01am	Friday, 25 February 2022	9:00am		0.2	0.2
Friday, 25 February 2022	9:01am	Saturday, 26 February 2022	9:00am		12.8	0.8
Saturday, 26 February 2022	9:01am	Sunday, 27 February 2022	9:00am		1.6	0.2
Sunday, 27 February 2022	9:01am	Monday, 28 February 2022	9:00am		15.2	1.4
Monday, 28 February 2022	9:01am	Tuesday, 1 March 2022	9:00am		370.2	2.0
Tuesday, 1 March 2022	9:01am	Wednesday, 2 March 2022	9:00am		138.2	1.4
Wednesday, 2 March 2022	9:01am	Thursday, 3 March 2022	9:00am		3.4	0.2
Thursday, 3 March 2022	9:01am	Friday, 4 March 2022	9:00am		6.2	0.4
Friday, 4 March 2022	9:01am	Saturday, 5 March 2022	9:00am		1.4	0.2
Saturday, 5 March 2022	9:01am	Sunday, 6 March 2022	9:00am		0.0	0.0
Sunday, 6 March 2022	9:01am	Monday, 7 March 2022	9:00am		0.2	0.2
Monday, 7 March 2022	9:01am	Tuesday, 8 March 2022	9:00am		14.4	0.8
Tuesday, 8 March 2022	9:01am	Wednesday, 9 March 2022	9:00am		0.0	0.0
Wednesday, 9 March 2022	9:01am	Thursday, 10 March 2022	9:00am		0.0	0.0
Thursday, 10 March 2022	9:01am	Friday, 11 March 2022	9:00am		0.0	0.0
Friday, 11 March 2022	9:01am	Saturday, 12 March 2022	9:00am		0.8	0.2
Saturday, 12 March 2022	9:01am	Sunday, 13 March 2022	9:00am		0.6	0.2
Sunday, 13 March 2022	9:01am	Monday, 14 March 2022	9:00am		0.6	0.2
Monday, 14 March 2022	9:01am	Tuesday, 15 March 2022	9:00am		0.4	0.2
Tuesday, 15 March 2022	9:01am	Wednesday, 16 March 2022	9:00am		0.6	0.2
Wednesday, 16 March 2022	9:01am	Thursday, 17 March 2022	9:00am		0.4	0.2
Thursday, 17 March 2022	9:01am	Friday, 18 March 2022	9:00am		0.6	0.2
Friday, 18 March 2022	9:01am	Saturday, 19 March 2022	9:00am		10.6	0.8
Saturday, 19 March 2022	9:01am	Sunday, 20 March 2022	9:00am		0.2	0.2
Sunday, 20 March 2022	9:01am	Monday, 21 March 2022	9:00am		0.2	0.2
Monday, 21 March 2022	9:01am	Tuesday, 22 March 2022	9:00am		0.0	0.0
Tuesday, 22 March 2022	9:01am	Wednesday, 23 March 2022	9:00am		0.0	0.0
Wednesday, 23 March 2022	9:01am	Thursday, 24 March 2022	9:00am		0.0	0.0
Thursday, 24 March 2022	9:01am	Friday, 25 March 2022	9:00am		0.0	0.0
Friday, 25 March 2022	9:01am	Saturday, 26 March 2022	9:00am		4.2	3.4
Saturday, 26 March 2022	9:01am	Sunday, 27 March 2022	9:00am		13.6	0.4
Sunday, 27 March 2022	9:01am	Monday, 28 March 2022	9:00am		4.8	0.2
Monday, 28 March 2022	9:01am	Tuesday, 29 March 2022	9:00am		14.0	0.6
Tuesday, 29 March 2022	9:01am	Wednesday, 30 March 2022	9:00am		NR	NR
Wednesday, 30 March 2022	9:01am	Thursday, 31 March 2022	9:00am		0.8	48
Thursday, 31 March 2022	9:01am	Friday, 1 April 2022	9:00am		0.6	21.2
Friday, 1 April 2022	9:01am	Saturday, 2 April 2022	9:00am		0	0
Saturday, 2 April 2022	9:01am	Sunday, 3 April 2022	9:00am		0	0
Sunday, 3 April 2022	9:01am	Monday, 4 April 2022	9:00am		0	0
Monday, 4 April 2022	9:01am	Tuesday, 5 April 2022	9:00am		0.4	5
Tuesday, 5 April 2022	9:01am	Wednesday, 6 April 2022	9:00am		0.2	0.2
Wednesday, 6 April 2022	9:01am	Thursday, 7 April 2022	9:00am		0.2	0.2
Thursday, 7 April 2022	9:01am	Friday, 8 April 2022	9:00am		0.8	1.8
Friday, 8 April 2022	9:01am	Saturday, 9 April 2022	9:00am		2	49.8
Saturday, 9 April 2022	9:01am	Sunday, 10 April 2022	9:00am		0.4	12
Sunday, 10 April 2022	9:01am	Monday, 11 April 2022	9:00am		0.2	1.6
Monday, 11 April 2022	9:01am	Tuesday, 12 April 2022	9:00am		0.2	0.2
Tuesday, 12 April 2022	9:01am	Wednesday, 13 April 2022	9:00am		0	0
Wednesday, 13 April 2022	9:01am	Thursday, 14 April 2022	9:00am		0.6	0.2
Thursday, 14 April 2022	9:01am	Friday, 15 April 2022	9:00am		13.0	1.2
Friday, 15 April 2022	9:01am	Saturday, 16 April 2022	9:00am		3.2	0.2
Saturday, 16 April 2022	9:01am	Sunday, 17 April 2022	9:00am		1.4	0.2
Sunday, 17 April 2022	9:01am	Monday, 18 April 2022	9:00am		0.6	0.2
Monday, 18 April 2022	9:01am	Tuesday, 19 April 2022	9:00am		0.4	0.2
Tuesday, 19 April 2022	9:01am	Wednesday, 20 April 2022	9:00am		0.0	0.0
Wednesday, 20 April 2022	9:01am	Thursday, 21 April 2022	9:00am		0.2	0.2
Thursday, 21 April 2022	9:01am	Friday, 22 April 2022	9:00am		NR	NR
Friday, 22 April 2022	9:01am	Saturday, 23 April 2022	9:00am		0.0	0.0
Saturday, 23 April 2022	9:01am	Sunday, 24 April 2022	9:00am		27.0	1.8
Sunday, 24 April 2022	9:01am	Monday, 25 April 2022	9:00am		16.0	0.6
Monday, 25 April 2022	9:01am	Tuesday, 26 April 2022	9:00am		7.8	0.6
Tuesday, 26 April 2022	9:01am	Wednesday, 27 April 2022	9:00am		1.4	0.2
Wednesday, 27 April 2022	9:01am	Thursday, 28 April 2022	9:00am		3.6	0.4
Thursday, 28 April 2022	9:01am	Friday, 29 April 2022	9:00am		4.8	0.8
Friday, 29 April 2022	9:01am	Saturday, 30 April 2022	9:00am		3.2	0.4
Saturday, 30 April 2022	9:01am	Sunday, 1 May 2022	9:00am		10.0	1.0
Sunday, 1 May 2022	9:01am	Monday, 2 May 2022	9:00am		0.4	0.2
Monday, 2 May 2022	9:01am	Tuesday, 3 May 2022	9:00am		3.8	0.8
Tuesday, 3 May 2022	9:01am	Wednesday, 4 May 2022	9:00am		0.0	0.0
Wednesday, 4 May 2022	9:01am	Thursday, 5 May 2022	9:00am		0.2	0.2
Thursday, 5 May 2022	9:01am	Friday, 6 May 2022	9:00am		1.6	0.4
Friday, 6 May 2022	9:01am	Saturday, 7 May 2022	9:00am		4.8	0.2
Saturday, 7 May 2022	9:01am	Sunday, 8 May 2022	9:00am		18.4	1.4
Sunday, 8 May 2022	9:01am	Monday, 9 May 2022	9:00am		21.6	1.6
Monday, 9 May 2022	9:01am	Tuesday, 10 May 2022	9:00am		6.2	0.4
Tuesday, 10 May 2022	9:01am	Wednesday, 11 May 2022	9:00am		12.6	0.2
Wednesday, 11 May 2022	9:01am	Thursday, 12 May 2022	9:00am		3.8	0.2
Thursday, 12 May 2022	9:01am	Friday, 13 May 2022	9:00am		34.6	1.0
Friday, 13 May 2022	9:01am	Saturday, 14 May 2022	9:00am		6.2	0.4
Saturday, 14 May 2022	9:01am	Sunday, 15 May 2022	9:00am		29.0	1.6
Sunday, 15 May 2022	9:01am	Monday, 16 May 2022	9:00am		9.6	0.2
Monday, 16 May 2022	9:01am	Tuesday, 17 May 2022	9:00am		6.0	0.4
Tuesday, 17 May 2022	9:01am	Wednesday, 18 May 2022	9:00am		6.4	0.8
Wednesday, 18 May 2022	9:01am	Thursday, 19 May 2022	9:00am		0.0	0.0
Thursday, 19 May 2022	9:01am	Friday, 20 May 2022	9:00am		0.0	0.0

**Sampling Point:** Monitoring Point 11 - Stockpile Stormwater Discharge  
**License:** Cape Byron Management Plan  
**Location:** Condong Co-generation Power Plant  
**EPL No:** 20424  
**Parameter/s Monitored:** Rainfall  
**Frequency & Method:** Continuous Auto Sampler



TIPPING GAUGE CONTINUOUS RAINFALL MONITORING					
Period From		Period To		Daily Rain	
Date	Time	Date	Time	Total (mm)	Max Intensity (mm/min)
Friday, 20 May 2022	9:01am	Saturday, 21 May 2022	9:00am	0.2	0.2
Saturday, 21 May 2022	9:01am	Sunday, 22 May 2022	9:00am	23.8	0.8
Sunday, 22 May 2022	9:01am	Monday, 23 May 2022	9:00am	52.8	1.2
Monday, 23 May 2022	9:01am	Tuesday, 24 May 2022	9:00am	39.0	1.2
Tuesday, 24 May 2022	9:01am	Wednesday, 25 May 2022	9:00am	64.6	1.0
Wednesday, 25 May 2022	9:01am	Thursday, 26 May 2022	9:00am	18.6	1.4
Thursday, 26 May 2022	9:01am	Friday, 27 May 2022	9:00am	4.8	0.4
Friday, 27 May 2022	9:01am	Saturday, 28 May 2022	9:00am	3.4	0.4
Saturday, 28 May 2022	9:01am	Sunday, 29 May 2022	9:00am	0.4	0.2
Sunday, 29 May 2022	9:01am	Monday, 30 May 2022	9:00am	0.0	0.0
Monday, 30 May 2022	9:01am	Tuesday, 31 May 2022	9:00am	0.0	0.0
Tuesday, 31 May 2022	9:01am	Wednesday, 1 June 2022	9:00am	1.0	0.2
Wednesday, 1 June 2022	9:01am	Thursday, 2 June 2022	9:00am	0.0	0.0
Thursday, 2 June 2022	9:01am	Friday, 3 June 2022	9:00am	0.0	0.0
Friday, 3 June 2022	9:01am	Saturday, 4 June 2022	9:00am	0.0	0.0
Saturday, 4 June 2022	9:01am	Sunday, 5 June 2022	9:00am	2.8	0.0
Sunday, 5 June 2022	9:01am	Monday, 6 June 2022	9:00am	0.0	0.0
Monday, 6 June 2022	9:01am	Tuesday, 7 June 2022	9:00am	0.2	0.2
Tuesday, 7 June 2022	9:01am	Wednesday, 8 June 2022	9:00am	0.0	0.0
Wednesday, 8 June 2022	9:01am	Thursday, 9 June 2022	9:00am	0.0	0.0
Thursday, 9 June 2022	9:01am	Friday, 10 June 2022	9:00am	0.0	0.0
Friday, 10 June 2022	9:01am	Saturday, 11 June 2022	9:00am	0.0	0.0
Saturday, 11 June 2022	9:01am	Sunday, 12 June 2022	9:00am	0.0	0.0
Sunday, 12 June 2022	9:01am	Monday, 13 June 2022	9:00am	0.0	0.0
Monday, 13 June 2022	9:01am	Tuesday, 14 June 2022	9:00am	0.0	0.0
Tuesday, 14 June 2022	9:01am	Wednesday, 15 June 2022	9:00am	0.0	0.0
Wednesday, 15 June 2022	9:01am	Thursday, 16 June 2022	9:00am	0.2	0.2
Thursday, 16 June 2022	9:01am	Friday, 17 June 2022	9:00am	0.2	0.2
Friday, 17 June 2022	9:01am	Saturday, 18 June 2022	9:00am	0.0	0.0
Saturday, 18 June 2022	9:01am	Sunday, 19 June 2022	9:00am	0.2	0.2
Sunday, 19 June 2022	9:01am	Monday, 20 June 2022	9:00am	0.0	0.0
Monday, 20 June 2022	9:01am	Tuesday, 21 June 2022	9:00am	0.0	0.0
Tuesday, 21 June 2022	9:01am	Wednesday, 22 June 2022	9:00am	0.0	0.0
Wednesday, 22 June 2022	9:01am	Thursday, 23 June 2022	9:00am	0.2	0.2
Thursday, 23 June 2022	9:01am	Friday, 24 June 2022	9:00am	0.0	0.0
Friday, 24 June 2022	9:01am	Saturday, 25 June 2022	9:00am	0.0	0.0
Saturday, 25 June 2022	9:01am	Sunday, 26 June 2022	9:00am	0.2	0.2
Sunday, 26 June 2022	9:01am	Monday, 27 June 2022	9:00am	0.0	0.0
Monday, 27 June 2022	9:01am	Tuesday, 28 June 2022	9:00am	0.2	0.2
Tuesday, 28 June 2022	9:01am	Wednesday, 29 June 2022	9:00am	0.8	0.2
Wednesday, 29 June 2022	9:01am	Thursday, 30 June 2022	9:00am	0.2	0.2
Thursday, 30 June 2022	9:01am	Friday, 1 July 2022	9:00am	4.0	0.2
Friday, 1 July 2022	9:01am	Saturday, 2 July 2022	9:00am	28.6	0.2
Saturday, 2 July 2022	9:01am	Sunday, 3 July 2022	9:00am	2.2	0.2
Sunday, 3 July 2022	9:01am	Monday, 4 July 2022	9:00am	0.2	0.2
Monday, 4 July 2022	9:01am	Tuesday, 5 July 2022	9:00am	13.4	0.2
Tuesday, 5 July 2022	9:01am	Wednesday, 6 July 2022	9:00am	19.4	0.4
Wednesday, 6 July 2022	9:01am	Thursday, 7 July 2022	9:00am	28.0	0.8
Thursday, 7 July 2022	9:01am	Friday, 8 July 2022	9:00am	0.2	0.2
Friday, 8 July 2022	9:01am	Saturday, 9 July 2022	9:00am	0.0	0.0
Saturday, 9 July 2022	9:01am	Sunday, 10 July 2022	9:00am	0.2	0.2
Sunday, 10 July 2022	9:01am	Monday, 11 July 2022	9:00am	0.0	0.0
Monday, 11 July 2022	9:01am	Tuesday, 12 July 2022	9:00am	0.0	0.0
Tuesday, 12 July 2022	9:01am	Wednesday, 13 July 2022	9:00am	13.6	0.4
Wednesday, 13 July 2022	9:01am	Thursday, 14 July 2022	9:00am	0.0	0.0
Thursday, 14 July 2022	9:01am	Friday, 15 July 2022	9:00am	0.0	0.0
Friday, 15 July 2022	9:01am	Saturday, 16 July 2022	9:00am	0.0	0.0
Saturday, 16 July 2022	9:01am	Sunday, 17 July 2022	9:00am	0.0	0.0
Sunday, 17 July 2022	9:01am	Monday, 18 July 2022	9:00am	0.2	0.2
Monday, 18 July 2022	9:01am	Tuesday, 19 July 2022	9:00am	0.0	0.0
Tuesday, 19 July 2022	9:01am	Wednesday, 20 July 2022	9:00am	0.0	0.0
Wednesday, 20 July 2022	9:01am	Thursday, 21 July 2022	9:00am	1.4	0.2
Thursday, 21 July 2022	9:01am	Friday, 22 July 2022	9:00am	1.2	0.2
Friday, 22 July 2022	9:01am	Saturday, 23 July 2022	9:00am	46.0	1.0
Saturday, 23 July 2022	9:01am	Sunday, 24 July 2022	9:00am	16.6	0.6
Sunday, 24 July 2022	9:01am	Monday, 25 July 2022	9:00am	0.0	0.0
Monday, 25 July 2022	9:01am	Tuesday, 26 July 2022	9:00am	0.0	0.0
Tuesday, 26 July 2022	9:01am	Wednesday, 27 July 2022	9:00am	0.2	0.2
Wednesday, 27 July 2022	9:01am	Thursday, 28 July 2022	9:00am	0.0	0.0
Thursday, 28 July 2022	9:01am	Friday, 29 July 2022	9:00am	0.0	0.0
Friday, 29 July 2022	9:01am	Saturday, 30 July 2022	9:00am	0.0	0.0
Saturday, 30 July 2022	9:01am	Sunday, 31 July 2022	9:00am	0.0	0.0
Sunday, 31 July 2022	9:01am	Monday, 1 August 2022	9:00am	0.2	0.2
Monday, 1 August 2022	9:01am	Tuesday, 2 August 2022	9:00am	0.2	0.2
Tuesday, 2 August 2022	9:01am	Wednesday, 3 August 2022	9:00am	0.0	0.0
Wednesday, 3 August 2022	9:01am	Thursday, 4 August 2022	9:00am	0.2	0.2
Thursday, 4 August 2022	9:01am	Friday, 5 August 2022	9:00am	0.2	0.2
Friday, 5 August 2022	9:01am	Saturday, 6 August 2022	9:00am	0.0	0.0
Saturday, 6 August 2022	9:01am	Sunday, 7 August 2022	9:00am	0.2	0.2
Sunday, 7 August 2022	9:01am	Monday, 8 August 2022	9:00am	0.0	0.0
Monday, 8 August 2022	9:01am	Tuesday, 9 August 2022	9:00am	0.0	0.0
Tuesday, 9 August 2022	9:01am	Wednesday, 10 August 2022	9:00am	0.0	0.0
Wednesday, 10 August 2022	9:01am	Thursday, 11 August 2022	9:00am	0.0	0.0
Thursday, 11 August 2022	9:01am	Friday, 12 August 2022	9:00am	0.0	0.0
Friday, 12 August 2022	9:01am	Saturday, 13 August 2022	9:00am	0.4	0.2
Saturday, 13 August 2022	9:01am	Sunday, 14 August 2022	9:00am	1.6	0.2
Sunday, 14 August 2022	9:01am	Monday, 15 August 2022	9:00am	4.4	0.2
Monday, 15 August 2022	9:01am	Tuesday, 16 August 2022	9:00am	0.2	0.2
Tuesday, 16 August 2022	9:01am	Wednesday, 17 August 2022	9:00am	0.0	0.0
Wednesday, 17 August 2022	9:01am	Thursday, 18 August 2022	9:00am	2.2	0.4
Thursday, 18 August 2022	9:01am	Friday, 19 August 2022	9:00am	0.0	0.0
Friday, 19 August 2022	9:01am	Saturday, 20 August 2022	9:00am	0.0	0.0
Saturday, 20 August 2022	9:01am	Sunday, 21 August 2022	9:00am	0.0	0.0
Sunday, 21 August 2022	9:01am	Monday, 22 August 2022	9:00am	0.0	0.0
Monday, 22 August 2022	9:01am	Tuesday, 23 August 2022	9:00am	0.0	0.0
Tuesday, 23 August 2022	9:01am	Wednesday, 24 August 2022	9:00am	0.0	0.0
Wednesday, 24 August 2022	9:01am	Thursday, 25 August 2022	9:00am	0.0	0.0
Thursday, 25 August 2022	9:01am	Friday, 26 August 2022	9:00am	0.0	0.0
Friday, 26 August 2022	9:01am	Saturday, 27 August 2022	9:00am	0.0	0.0
Saturday, 27 August 2022	9:01am	Sunday, 28 August 2022	9:00am	2.8	0.2
Sunday, 28 August 2022	9:01am	Monday, 29 August 2022	9:00am	5.0	0.4
Monday, 29 August 2022	9:01am	Tuesday, 30 August 2022	9:00am	0.2	0.2
Tuesday, 30 August 2022	9:01am	Wednesday, 31 August 2022	9:00am	3.8	0.2
Wednesday, 31 August 2022	9:01am	Thursday, 1 September 2022	9:00am	0.6	0.2
Thursday, 1 September 2022	9:01am	Friday, 2 September 2022	9:00am	0.2	0.2
Friday, 2 September 2022	9:01am	Saturday, 3 September 2022	9:00am	34.2	0.4
Saturday, 3 September 2022	9:01am	Sunday, 4 September 2022	9:00am	6.0	0.4
Sunday, 4 September 2022	9:01am	Monday, 5 September 2022	9:00am	0.2	0.2
Monday, 5 September 2022	9:01am	Tuesday, 6 September 2022	9:00am	0.2	0.2
Tuesday, 6 September 2022	9:01am	Wednesday, 7 September 2022	9:00am	0.0	0.0
Wednesday, 7 September 2022	9:01am	Thursday, 8 September 2022	9:00am	0.0	0.0
Thursday, 8 September 2022	9:01am	Friday, 9 September 2022	9:00am	0.0	0.0
Friday, 9 September 2022	9:01am	Saturday, 10 September 2022	9:00am	10.6	0.6
Saturday, 10 September 2022	9:01am	Sunday, 11 September 2022	9:00am	0.4	0.2
Sunday, 11 September 2022	9:01am	Monday, 12 September 2022	9:00am	0.0	0.0
Monday, 12 September 2022	9:01am	Tuesday, 13 September 2022	9:00am	0.0	0.0
Tuesday, 13 September 2022	9:01am	Wednesday, 14 September 2022	9:00am	0.0	0.0
Wednesday, 14 September 2022	9:01am	Thursday, 15 September 2022	9:00am	0.0	0.0
Thursday, 15 September 2022	9:01am	Friday, 16 September 2022	9:00am	0.0	0.0
Friday, 16 September 2022	9:01am	Saturday, 17 September 2022	9:00am	3.0	0.2
Saturday, 17 September 2022	9:01am	Sunday, 18 September 2022	9:00am	0.2	0.2
Sunday, 18 September 2022	9:01am	Monday, 19 September 2022	9:00am	0.0	0.0

**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	55	20	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	
13-Oct-21	20-Oct-21	22-Oct-21		15.0	1.0	7.15	0.2	27.00	
08-Dec-21	15-Dec-21	22-Dec-21		6.6	1.3	7.60	0.4	17.00	
30-Dec-21	05-Jan-22	14-Jan-22		5.2	0.8	7.35	0.2	23.00	
13-May-22	18-May-22	31-May-22		2.8	2.0	7.15	0.3	28.00	
22-Jul-22	27-Jul-22	02-Aug-22		<1.0	1.0	7.27	0.3	40.00	
27-Jul-22	08-Aug-22	10-Aug-22		8.5	0.9	6.80	0.4	44.00	

**Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge**

Licence 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
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		
			Maximum	8.5	Maximum	Mean Temp Diff	5°C > background	kL/Day	Maximum Daily Discharge	Mean Daily Discharge		
Minimum Reading	Maximum Reading	Mean Readings	Minimum Temp Diff	Maximum Temp Diff	Mean Temp Diff	Minimum Daily Discharge	Maximum Daily Discharge	Mean Daily Discharge				
3-Jan-22	9-Jan-22	14-Jan-22	7.41	8.13	7.66	-1.4	8.4	2.7	0	571	3	Boiler Offline
10-Jan-22	16-Jan-22	28-Jan-22	6.57	8.20	8.02	-5.8	5.6	-0.1	0	743	179	Boiler Offline 12/1/22 - 16/1/22
17-Jan-22	23-Jan-22	28-Jan-22	-0.01	8.20	7.95	-2.6	13.4	2.8	0	546	9	Boiler Online 2/11/22
24-Jan-22	30-Jan-22	11-Feb-22	6.38	8.19	8.04	-7.3	7.7	-1.8	0	732	319	Boiler Offline 24/1/22, 26/1/22 and 30/1/22
31-Jan-22	6-Feb-22	11-Feb-22	7.11	8.23	8.08	-9.0	4.0	-0.9	0	712	253	Boiler Offline 1/2/22, 3/2/22 - 6/2/22
7-Feb-22	13-Feb-22	25-Feb-22	7.18	8.23	8.08	-7.7	6.2	1.2	0	733	359	Boiler offline 12/2/22, 12/2/22
14-Feb-22	20-Feb-22	25-Feb-22	7.90	8.40	8.00	-7.9	7.7	0.6	0	761	359	Boiler offline 14/2/22, 15/2/22, 16/2/22, 19/2/22, 20/2/22
21-Feb-22	27-Feb-22	8-Apr-22	0.00	8.20	8.09	-2.4	7.1	1.9	0	769	239	Boiler offline 26/02/22 - 28/02/22
28-Feb-22	6-Mar-22	8-Apr-22	7.03	8.23	7.17	-4.3	4.2	-3.1	0	1296	857	Flood damage to plant operations
7-Mar-22	13-Mar-22	22-Apr-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Flood damage to plant operations and annual shut down
14-Mar-22	20-Mar-22	22-Apr-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Flood damage to plant operations and annual shut down
21-Mar-22	27-Mar-22	22-Apr-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Flood damage to plant operations and annual shut down
28-Mar-22	3-Apr-22	22-Apr-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Flood damage to plant operations and annual shut down
4-Apr-22	10-Apr-22	22-Apr-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Flood damage to plant operations and annual shut down
11-Apr-22	17-Apr-22	18-May-22	7.32	8.18	8.03	0.67	5.57	2.40	0.00	814.00	663.00	
18-Apr-22	24-Apr-22	18-May-22	6.57	7.17	8.08	-3.57	8.71	1.68	0.00	746.00	625.00	
25-Apr-22	1-May-22	18-May-22	0.79	8.77	8.08	-8.27	5.26	0.71	0.00	1288.00	541.00	Low pH due to data recovery error from failed hard drives
2-May-22	8-May-22	18-May-22	7.29	8.37	8.08	-1.30	2.30	0.48		802	717	
9-May-22	15-May-22	18-May-22	6.99	8.18	8.08	-5.6	3.1	1.3	516	767	722	
16-May-22	22-May-22	31-May-22	6.98	8.35	8.07	-8.8	4.0	0.5	0	839	527	Boiler offline 21/5/22 - 22/5/22
23-May-22	29-May-22	31-May-22	6.36	8.23	8.07	-10.2	2.9	1.0	0	816	629	Boiler offline 23/05/22, 28/05/22, 29/05/22
30-May-22	5-Jun-22	17-Jun-22	6.68	8.19	8.09	-11.6	3.2	0.7	0	775	732	Boiler offline 05/06/2022
6-Jun-22	12-Jun-22	17-Jun-22	6.87	8.29	8.08	-10.0	2.1	-0.8	0	773	729	Boiler offline 10/06/2022-11/06/2022
13-Jun-22	19-Jun-22	29-Jun-22	7.58	8.19	8.09	-11.4	2.2	-0.5	0	772	717	Boiler offline 18/06/2022-19/06/2022
20-Jun-22	26-Jun-22	29-Jun-22	7.12	8.22	8.08	-14.5	-0.1	-4.2	0	742	591	Boiler offline 21/06/2022-22/06/2022
27-Jun-22	3-Jul-22	15-Jul-22	-0.03	8.46	8.02	-4.6	1.4	-1.5	490	773	643	Low pH not a real event, instrumentation system was being worked on at between 09:00-10:00 30th June
4-Jul-22	10-Jul-22	15-Jul-22	6.56	8.29	7.84	-15.8	2.3	-1.5	516	773	720	
11-Jul-22	17-Jul-22	27-Jul-22	3.93	8.43	7.93	-11.8	-0.8	-4.0	485	769	594	Low pH not a real event, instrumentation system was being worked on at between 09:00:00 - 09:00:20 11th July Boiler offline 14/07/22-15/07/22
18-Jul-22	24-Jul-22	27-Jul-22	6.70	8.40	7.87	-9.1	1.6	-3.2	487	732	544	Boiler offline 23/07/22-24/07/22
25-Jul-22	31-Jul-22	10-Aug-22	6.75	8.43	7.91	-14.1	1.7	-4.0	278	738	620	Boiler offline 26/07/22-27/07/22
1-Aug-22	7-Aug-22	10-Aug-22	6.87	8.42	7.93	-0.5	1.0	-2.2	12	641	517	
8-Aug-22	14-Aug-22	24-Aug-22	7.18	8.26	7.99	-9.7	-1.4	-3.1	487	563	512	
15-Aug-22	21-Aug-22	24-Aug-22	7.20	8.26	7.99	-13.1	-0.5	-3.6	483	585	512	Boiler offline 18/08/2022
22-Aug-22	28-Aug-22	7-Sep-22	6.81	8.25	8.00	-7.3	-0.3	-3.6	476	591	509	
29-Aug-22	4-Sep-22	7-Sep-22	7.45	8.19	8.06	-8.9	3.9	8.1	397	719	518	Boiler offline 01/09/2022, 03/09/2022, 04/09/2022
5-Sep-22	11-Sep-22	21-Sep-22	6.98	8.46	8.00	-12.2	4.0	-3.7	410	750	550	Boiler offline 05/09/2022, 10/09/2022, 11/09/2022
12-Sep-22	18-Sep-22	21-Sep-22	6.79	8.41	8.02	-4.7	3.1	-1.7	30	759	533	



Licence  
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
31-Jan-22	9	Oxygen	Min. -0.95 Max. -0.93 Mean -0.93	Min. 2.92 Max. 20.14 Mean 16.44	18-May-22	11-Feb-22	Failed probe identified used back up probe data
7-Feb-22	9	Oxygen	Min. -0.95 Max. -0.93 Mean -0.94	Min. 3.56 Max. 20.54 Mean 12.46	18-May-22	11-Feb-22	Failed probe identified used back up probe data
14-Feb-22	9	Oxygen	Min. -0.95 Max. -0.93 Mean -0.94	Min. 1.97 Max. 20.28 Mean 13.54	18-May-22	25-Feb-22	Failed probe identified used back up probe data
21-Feb-22	9	Oxygen	NA	Min. 1.97 Max. 20.28 Mean 13.54	18-May-22	22-Apr-22	Failed probe identified used back up probe data
11 April - 30 April 22	9	pH Temp O2	None collected	As per sheet	18-Jul-22	01-May-22	Data recoverd from failed hard drive 11-30 April and updated to system on the 18/07/2022