



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
see individual parameters in table
Annually in accordance with EPA protocols
see individual parameters in table



Results Table

	AE 13475	AE 13616	AE 13741	AE 13900	AE 14169	AE 14321
Test Number						
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 ₂	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 ³ /sec	Not Applicable	54.85	55.58	59.45	59.43	63.43	59.30
Dry Gas Density	kg/m ³	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 ³	100.00	20.20	56.20	14.10	17.40	14.10	17.40
Sulphuric Acid Mist & Sulphur Trioxide as SO ₃	mg/m ³	30.00	3.57	14.20	15.20	4.88	13.80	12.50
Nitrogen Oxides (NO _x)	mg/m ³	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 ² /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

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 ³)	Notes
04-Jun-21	05-Aug-21	13-Aug-21	13.7	
10-Jun-21	05-Aug-21	13-Aug-21	11.3	
16-Jun-21	05-Aug-21	13-Aug-21	8.5	
22-Jun-21	05-Aug-21	13-Aug-21	22.4	
28-Jun-21	05-Aug-21	13-Aug-21	46.9	
04-Jul-21	05-Aug-21	13-Aug-21	2.5	
10-Jul-21	05-Aug-21	13-Aug-21	6.9	
16-Jul-21	05-Aug-21	13-Aug-21	15.5	
22-Jul-21	05-Aug-21	13-Aug-21	15.5	
28-Jul-21	16-Sep-21	23-Sep-21	18.2	
03-Aug-21	16-Sep-21	23-Sep-21	35.6	
09-Aug-21	16-Sep-21	23-Sep-21	13.2	
15-Aug-21	16-Sep-21	23-Sep-21	7.3	
21-Aug-21	16-Sep-21	23-Sep-21	17.2	
27-Aug-21	16-Sep-21	23-Sep-21	30.6	
02-Sep-21	16-Sep-21	23-Sep-21	11.4	
08-Sep-21	20-Oct-21	22-Oct-21	45.6	
14-Sep-21	20-Oct-21	22-Oct-21	45.6	This filter went two cycles
20-Sep-21	20-Oct-21	22-Oct-21	21.2	
26-Sep-21	20-Oct-21	22-Oct-21	26.8	
02-Oct-21	20-Oct-21	22-Oct-21	8.3	
08-Oct-21	15-Dec-21	22-Dec-21	45.6	
14-Oct-21	15-Dec-21	22-Dec-21	4.6	
20-Oct-21	15-Dec-21	22-Dec-21	20.6	
26-Oct-21	15-Dec-21	22-Dec-21	21.2	
01-Nov-21	15-Dec-21	22-Dec-21	7.0	
07-Nov-21	15-Dec-21	22-Dec-21	7.4	
13-Nov-21	15-Dec-21	22-Dec-21	32.5	
19-Nov-21	15-Dec-21	22-Dec-21	14.0	
25-Nov-21	15-Dec-21	22-Dec-21	1.5	
01-Dec-21	15-Dec-21	22-Dec-21	4.4	
07-Dec-21	21-Jan-22	28-Jan-22	15.1	
13-Dec-21	21-Jan-22	28-Jan-22	42.6	
19-Dec-21	21-Jan-22	28-Jan-22	9.4	
25-Dec-21	21-Jan-22	28-Jan-22	9.4	
31-Dec-21	21-Jan-22	28-Jan-22	12.2	
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

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



Limits Not Applicable

Comments Laboratory Analysis

Date Sample Collected	Date Received	Date Published	Results (g/m ² /month)	Notes
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
				Bottles flood damaged and not serviceable, new bottles set 08/04/2022
01-Mar-22	NA	22-Apr-22	NA	
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

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

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



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

Limits Not Applicable

Comments Laboratory Analysis

Date Sample Collected	Date Received	Date Published	Results (g/m ² /month)	Notes
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
				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

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

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

Parameter/s Monitored [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	
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	26-Aug-21	0.59	20.36	9.80	
16-Aug-21	22-Aug-21	26-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	20.66	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	20.66	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	4.01	19.65	18.67	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	NA	NA	NA	Boiler offline - 04/03/22 - 10/4/22
11-Apr-22	17-Apr-22	6-May-22	NA	NA	NA	Hard drive failure DCS
18-Apr-22	24-Apr-22	6-May-22	NA	NA	NA	Hard drive failure DCS
25-Apr-22	1-May-22	6-May-22	NA	NA	NA	Hard drive failure DCS
2-May-22	8-May-22	18-May-22	0.19	20.23	9.89	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 05/06/2022
6-Jun-22	12-Jun-22	17-Jun-22	1.97	20.14	7.97	Boiler offline 10/06/2022-11/06/2022
13-Jun-22	19-Jun-22	29-Jun-22	2.54	20.08	8.56	Boiler offline 18/06/2022-19/06/2022
20-Jun-22	26-Jun-22	29-Jun-22	0.00	19.87	6.59	Boiler offline 21/06/2022-22/06/2022

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			

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Discharge
License: Cape Byron Management Pty Ltd
Location: Condong Cogeneration Power Plant
EPL No: 20424
Parameters 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 ₅ (mg/L)		Phosphorus (mg/L)	Nitrogen (mg/L)	Total Residual Chlorine (mg/L)	Notes
				30	40				
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	
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	
14-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	14-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	
28-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	0.16	17.0	0.02	
06-Jul-21	16-Jul-21	30-Jul-21		2.4	4.0	0.2	15.8	0.02	
13-Jul-21	21-Jul-21	30-Jul-21		2.4	6.0	0.3	17.8	0.01	
19-Jul-21	27-Jul-21	13-Aug-21		2.7	3.0	0.3	19.1	0.01	
26-Jul-21	02-Aug-21	13-Aug-21		1.9	5.0	0.3	25.1	0.10	
03-Aug-21	10-Aug-21	26-Aug-21		5.1	4.2	0.3	19.3	0.04	
09-Aug-21	19-Aug-21	26-Aug-21		4.2	9.0	0.3	16.9	0.04	
16-Aug-21	26-Aug-21	26-Aug-21		3.3	7.0	0.3	18.0	0.01	
24-Aug-21	31-Aug-21	09-Sep-21		4.2	6.3	0.2	12.7	0.02	
31-Aug-21	07-Sep-21	09-Sep-21		1.2	3.7	0.3	16.0	0.05	
08-Sep-21	16-Sep-21	23-Sep-21		1.2	5.3	0.5	15.2	0.02	
16-Sep-21	24-Sep-21	08-Oct-21		1.5	13.0	0.8	27.1	0.06	
21-Sep-21	27-Sep-21	08-Oct-21		3.3	16.0	0.9	42.3	0.15	
29-Sep-21	08-Oct-21	08-Oct-21		4.8	8.0	0.2	18.3	0.09	
05-Oct-21	14-Oct-21	22-Oct-21		3.1	5.0	0.2	17.9	0.05	
11-Oct-21	21-Oct-21	22-Oct-21		4.3	7.0	0.2	15.4	0.05	
18-Oct-21	25-Oct-21	05-Nov-21		2.7	6.6	0.2	12.3	0.05	
26-Oct-21	03-Nov-21	05-Nov-21		1.5	6.7	0.2	14.2	0.02	
02-Nov-21	12-Nov-21	15-Dec-21		4.3	9.0	0.2	17.5	0.03	
12-Nov-21	23-Nov-21	23-Nov-21		2.4	7.0	0.2	24.4	0.02	
17-Nov-21	23-Nov-21	15-Dec-21		2.4	5.2	0.1	9.8	0.01	
22-Nov-21	30-Nov-21	15-Dec-21		2.7	6.4	0.1	14.7	0.01	
29-Nov-21	07-Dec-21	15-Dec-21		3.6	5.8	0.0	1.6	0.02	
08-Dec-21	16-Dec-21	22-Dec-21		3.4	8.0	0.2	12.6	0.03	Cooling Tower Shutdown 12/12/21 for >7 days
22-Dec-21	29-Dec-21	14-Jan-22		2.7	7.5	0.3	17.7	0.03	
		14-Jan-22		n/a	n/a	n/a	n/a	n/a	Cooling Tower offline between 23/12/21 to 03/01/22
		20-Jan-22		1.0	13.0	0.2	22.5	0.01	
NA	26-Feb-22	22-Apr-22		n/a	n/a	n/a	n/a	n/a	Cooling tower offline 1/2/22, 12/2/22
NA	26-Feb-22	22-Apr-22		n/a	n/a	n/a	n/a	n/a	Cooling Tower offline 14/2/22, 15/2/22, 16/2/22, 19/2/22, 20/2/22
NA	04-Mar-22	22-Apr-22		2.7	7.0	0.2	17.8	0.02	Cooling Tower offline 21/02/22-28/02/2022
									Flood damage to plant operations Cooling tower offline 01/03/22 to 12/04/22
13-Apr-22	20-Apr-22	22-Apr-22		2.7	15.0	0.4	17.8	0.02	
21-Apr-22	03-May-22	06-May-22		27.4	2.0	0.1	27.4	0.02	
28-Apr-22	06-May-22	18-May-22		1.8	3.0	0.2	21.6	0.07	
05-May-22	17-May-22	18-May-22		4.8	3.0	0.2	19.8	0.04	
12-May-22	24-May-22	31-May-22		3.0	2.0	0.2	19.0	0.23	
19-May-22	27-May-22	31-May-22		3.9	4.0	0.2	10.1	0.02	
26-May-22	03-Jun-22	17-Jun-22		<1.0	6.0	0.2	8.4	0.21	
02-Jun-22	20-Jun-22	17-Jun-22		3.0	4.0	0.3	12.7	0.03	
07-Jun-22	21-Jun-22	17-Jun-22		3.0	2.0	0.2	15.4	0.1	
15-Jun-22	28-Jun-22	17-Jun-22		9.3	2.0	0.2	12.6	0.2	
22-Jun-22	29-Jun-22	29-Jun-22		<1.0	<1.0	0.2	14.5	0.0	

Monitoring Point 9 - Cogeneration Cooling Water Discharge

License: Cape Byron Management Pty Ltd
 Location: Condong Cogeneration Power Plant
 SPL 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 limit.



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 section.

* 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 the difference between the discharge and river temp.

MONITORING PERIOD	Date Start	Date Finish	Date Published	pH			Temperature Difference			Volume			Notes
				Limit/s	Minimum	6.5	Limit/s	90 th Percentile	3°C > background	Limit/s	Maximum Daily Discharge	Mean Daily Discharge	
				Maximum Reading	Maximum Reading	Mean of Readings	Maximum Reading	Mean Temp Diff	background	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	-8.8	200	401	395	Cooling tower not operational 28/12/20 to 30/12/21. Data only for 30/12/20/21	
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 01/06/21 < 6 minutes 06/21	
11-Jan-21	17-Jan-21	29-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	649		
25-Jan-21	31-Jan-21	10-Feb-21	7.74	8.19	8.05	-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	-9.9	6.5	0.4	0	744	542		
15-Feb-21	21-Feb-21	26-Feb-21	7.25	8.22	8.05	0.5	6.4	2.8	0	608	496	Multiple occasions <10 minutes 14/02/21	
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	8.05	0.0	4.7	-1.0	0	510	428		
8-Mar-21	14-Mar-21	8-Apr-21	7.59	8.32	8.04	-7.6	6.0	2.3	0	465	373	16 Minutes 13/03/21	
15-Mar-21	21-Mar-21	8-Apr-21	7.59	8.04	8.04	-1.6	7.0	2.0	0	752	306	10 Minutes 15/03/21	
22-Mar-21	28-Mar-21	8-Apr-21	7.81	8.16	8.05	-5.6	3.9	1.1	0	789	84	Offline 28/03/21	
29-Mar-21	4-Apr-21	8-Apr-21	7.57	7.92	7.75	0.3	3.6	0.3	0	563	31		
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 22/04/21 and on 30/03/21	
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	-8.8	2.1	-0.8	0	709	272	Boiler offline until 27/04/21	
3-May-21	9-May-21	20-May-21	7.64	8.16	8.02	-15.3	2.6	-0.5	0	669	212		
10-May-21	16-May-21	20-May-21	7.84	8.16	8.06	-18.8	1.2	-2.7	0	571	129		
17-May-21	23-May-21	2-Jun-21	7.65	8.19	8.09	-9.0	4.2	1.9	0	536	376		
24-May-21	30-May-21	7-Jun-21	7.71	8.36	8.10	-9.8	4.9	1.9	0	1021	548		
31-May-21	6-Jun-21	17-Jun-21	7.78	8.20	8.09	-14.1	3.6	1.2	0	565	256		
7-Jun-21	13-Jun-21	17-Jun-21	7.74	8.09	8.09	-16.3	4.8	-0.6	0	725	256		
14-Jun-21	20-Jun-21	02-Jul-21	7.93	8.40	8.10	-8.2	5.9	1.4	0	711	294	pH 10 seconds on 07/06/21	
21-Jun-21	27-Jun-21	08-Jul-21	7.71	8.17	8.10	-9.8	1.6	2.7	0	663	432	<10 minutes 25/06/21	
28-Jun-21	4-Jul-21	16-Jul-21	7.62	8.19	8.09	-4.6	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		
12-Jul-21	18-Jul-21	30-Jul-21	7.92	8.19	8.08	-8.9	3.4	0.5	0	641	272		
19-Jul-21	25-Jul-21	30-Jul-21	7.87	8.31	8.09	-8.5	4.0	-0.7	0	621	305		
26-Jul-21	1-Aug-21	13-Aug-21	7.93	8.10	8.09	-7.4	5.1	0.3	0	439	307	5.1 for 50 minutes 10/08/2021	
2-Aug-21	8-Aug-21	13-Aug-21	7.74	8.39	8.1	-5.7	4.9	0.8	0	668	385	<10 Minutes 08/1/21	
9-Aug-21	15-Aug-21	26-Aug-21	7.60	8.20	8.08	-9.6	3.4	0.8	0	641	133		
16-Aug-21	22-Aug-21	26-Aug-21	7.92	8.31	8.09	-8.5	4.0	-0.6	0	601	206		
23-Aug-21	29-Aug-21	9-Sep-21	6.97	8.48	8.07	-11.0	5.0	0.7	0	776	383		
30-Aug-21	5-Sep-21	9-Sep-21	7.06	8.25	8.05	-2.9	3.9	-2.3	0	439	407		
6-Sep-21	12-Sep-21	23-Sep-21	7.09	8.25	8.07	-4.1	5.0	0.9	0	450	398		
13-Sep-21	19-Sep-21	23-Sep-21	7.45	8.21	8.09	-9.8	4.0	-2.5	0	289	394		
20-Sep-21	26-Sep-21	8-Oct-21	7.35	8.28	8.09	-2.3	4.0	0.8	0	746	600		
27-Sep-21	3-Oct-21	8-Oct-21	7.42	8.25	8.09	-10.5	11.4	1.2	0	710	531	2 minutes temperature due to control logic	
4-Oct-21	10-Oct-21	22-Oct-21	7.02	8.22	8.05	-4.3	2.6	-0.1	0	605	430		
11-Oct-21	17-Oct-21	22-Oct-21	6.82	8.24	8.07	8.2	4.0	-0.7	0	660	462		
18-Oct-21	24-Oct-21	5-Nov-21	7.40	8.20	8.07	-1.3	4.0	1.7	0	332	660		
25-Oct-21	31-Oct-21	5-Nov-21	7.38	8.31	8.07	0.7	4.0	-2.7	0	398	633		
1-Nov-21	7-Nov-21	23-Nov-21	7.37	8.23	8.08	-0.9	4.0	1.1	0	539	647		
8-Nov-21	14-Nov-21	23-Nov-21	7.43	8.21	8.08	-8.5	6.0	0.5	0	745	455	Maintenance and recommissioning of valves. Discharge at 660<3l/min.	
15-Nov-21	21-Nov-21	15-Dec-12	7.18	8.45	8.07	-8.8	4.0	0.9	0	414	728		
22-Nov-21	28-Nov-21	15-Dec-12	7.43	8.45	7.90	-8.5	4.0	1.9	0	300	719		
29-Nov-21	5-Dec-21	15-Dec-12	7.56	8.23	8.04	-5.3	3.9	1.0	0	680	250		
6-Dec-21	12-Dec-21	15-Dec-12	6.99	8.20	8.08	-5.0	4.0	-0.3	0	438	721		
13-Dec-21	19-Dec-21	22-Dec-21	7.82	8.20	7.93	-5.0	13.4	-0.9	0	700	223		
20-Dec-21	26-Dec-21	14-Jan-22	7.62	8.21	7.93	-3.4	4.0	-0.7	0	555	447		
27-Dec-21	2-Jan-22	14-Jan-22	7.29	7.84	7.50	-4.3	5.2	-1.9	0	134	1		
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	6.97	8.20	8.02	-5.8	5.5	-0.1	0	743	179	Boiler Offline 12/1/22 - 16/1/22	
17-Jan-22	23-Jan-22	28-Jan-22	6.91	8.20	7.95	-6.6	13.4	-2.8	0	546	9	Boiler Offline 21/1/22	
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 12/2/22, 13/2/22 - 5/2/22	
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, 19/2/22, 20/2/22	
14-Feb-22	20-Feb-22	29-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	
21-Feb-22	27-Feb-22	8-Apr-22	9.00	8.20	8.09	-2.4	7.1	1.9	0	759	239	Boiler offline 26/02/22 - 28/02/22	
28-Feb-22	6-Mar-22	8-Apr-22	7.93	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	Hard drive failure DCB	
18-Apr-22	24-Apr-22	18-May-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Hard drive failure DCB	
25-Apr-22	1-May-22	18-May-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	Hard drive failure DCB	
2-May-22	8-May-22	18-May-22	7.29	8.37	8.08	-1.30	2.30	0.48	0	666	802		
9-May-22	15-May-22	18-May-22	6.99	8.16	8.08	-5.6	3.1	1.1	0	816	787		
16-May-22	22-May-22	31-May-22	6.98	8.36	8.07	-8.6	4.0	0.5	0	639	222	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 - 25/05/22	
30-May-22	6-Jun-22	17-Jun-22	6.88	8.19	8.09	-11.6	3.2	0.7	0	775	732	Boiler offline 05/06/2022	
6-Jun-22	13-Jun-22	17-Jun-22	6.87	8.20	8.08	-10.0	2.1	-0.8	0	725	729	Boiler offline 10/06/2022 & 11/06/2022	
13-Jun-22	19-Jun-22	29-Jun-22	7.88	8.19	8.09	-11.4	2.2	-0.5	0	772	717	Boiler offline 18/06/2022-18/06/2022	
20-Jun-22	26-Jun-22	29-Jun-22	7.12	8.22	8.08	-14.5	-0.1	-4.2	0	742	691	Boiler offline 21/06/2022-22/06/2022	

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 ₅ (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	
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	
	18-May-22	31-May-22		2.8	2.0	7.15	0.3	28.00	

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
31-Jan-22	6-Feb-22	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	13-Feb-22	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	20-Feb-22	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	27-Feb-22	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