



Environmental Monitoring Report

Broadwater Power Plant 117 Pacific Highway Broadwater NSW

Licencee Cape Byron Management Pty Ltd
Address 117 Pacific Highway Broadwater NSW
EPL No 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>

This data is published as required 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 12 Boiler Stack Emissions

Cape Byron Management Pty Ltd

Broadwater Cogeneration Power Plant

20425

<http://www.epa.nsw.gov.au/prpoeoapp/>

see individual parameters in table

Annually in accordance with EPA protocols

see individual parameters in table



| | | | RESULTS TABLE | | |
|---|---------------------|---------------------|---------------|-----------|--|
| Report Number | | | AE 13192 | AE 13741 | |
| Sampling Date | | | 16-Jul-20 | 15-Jul-21 | |
| Date Received | | | 25-Aug-20 | 02-Aug-21 | |
| Date Published | | | 27-Aug-20 | 13-Aug-21 | |
| Measured Parameters dry @ STP and corrected to 7% O ₂ | Units | Concentration Limit | | | |
| Average stack gas temperature | °C | Not Applicable | 108.0 | 88.0 | |
| Average velocity at sampling plane | m/s | Not Applicable | 8.1 | 9.7 | |
| Gas Volumetric Flowrate | m ³ /sec | Not Applicable | 20.9 | 47.8 | |
| Dry Gas Density | kg/m ³ | Not Applicable | 1.3 | 1.3 | |
| Molecular Weight of Stack Gases | g/g mole | Not Applicable | 30.1 | 30.1 | |
| Moisture content | % | Not Applicable | 26.7 | 20.1 | |
| Concentration of carbon dioxide | % | Not Applicable | 10.6 | 11.0 | |
| Total Solid Particles | mg/m ³ | 100 | 70.7 | 42.7 | |
| Sulphuric Acid Mist & Sulphur Trioxide as SO ₃ | mg/m ³ | 12 | 5.6 | 11.3 | |
| Nitrogen Oxides (NOx) | mg/m ³ | 500 | 368.0 | 270.0 | |

Sampling Point:

Licencee
 Location
 EPL No
 Parameter/s Monitored
 Frequency & Method
 Limits

Monitoring Point 2 - No 1 Cogeneration Boiler Stack Emissions

Cape Byron Management Pty Ltd
 Broadwater Cogeneration Power Plant
 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 see individual parameters in table
 Quarterly in accordance with EPA protocols
 see individual parameters in table

**RESULTS TABLE**

| | AE 13192 | AE 13401 | AE 13475 | AE 13616 | AE 13741 | AE 13901 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Report Number | 16-Jul-20 | 10-Nov-20 | 09-Feb-21 | 07-Apr-21 | 15-Jul-21 | 25-Oct-21 |
| Sampling Date | 25-Aug-20 | 23-Nov-20 | 02-Mar-21 | 26-May-21 | 02-Aug-21 | 09-Nov-21 |
| Date Received | 27-Aug-20 | 03-Dec-20 | 12-Mar-21 | 02-Jun-21 | 13-Aug-21 | 23-Nov-21 |
| Date Published | | | | | | |

| Measured Parameters dry @ STP and corrected to 7% O ₂ | Units | Concentration Limit | | | | | | |
|---|---------------------|---------------------|-------|-------|-------|------|-------|-------|
| Average stack gas temperature | °C | Not Applicable | 67.0 | 68.0 | 61.0 | 63.0 | 66.0 | 63.0 |
| Average velocity at sampling plane | m/s | Not Applicable | 14.8 | 15.7 | 13.4 | 17.9 | 19.7 | 17.1 |
| Dry Gas Volumetric Flowrate | m ³ /sec | Not Applicable | 58.1 | 65.2 | 57.5 | 77.8 | 124.8 | 72.5 |
| Dry Gas Density | kg/m ³ | Not Applicable | 1.3 | 1.4 | 1.3 | 1.3 | 1.4 | 1.4 |
| Molecular Weight of Stack Gases | g/g mole | Not Applicable | 30.1 | 30.2 | 30.0 | 29.8 | 30.2 | 30.3 |
| Moisture content | % | Not Applicable | 22.8 | 18.8 | 17.7 | 15.9 | 20.0 | 17.7 |
| Concentration of carbon dioxide | % | Not Applicable | 10.7 | 11.1 | 9.7 | 7.7 | 11.1 | 11.7 |
| Total Solid Particles | mg/m ³ | 100.0 | 15.6 | 41.1 | 24.9 | 48.3 | 17.0 | 54.5 |
| Sulphuric Acid Mist & Sulphur Trioxide as SO ₃ | mg/m ³ | 12.0 | 7.0 | 3.5 | 1.8 | 3.5 | 5.8 | 0.2 |
| Nitrogen Oxides (NO _x) | mg/m ³ | 500.0 | 325.0 | 300.0 | 146.0 | 93.6 | 228.0 | 141.0 |

Sampling Point: Monitoring Point 3 - Ambient Air Monitoring
 Licence Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.epa.nsw.gov.au/prpocapp/>
 Parameters Monitored PM10
 Monitoring Frequency Sampling for 24 hours every 6 Days when site is operating
 Limits Not Applicable
 Comments Laboratory Analysis



| Date Sample Collected | Date Received | Date Published | Results (ug/m ³) | Notes |
|-----------------------|---------------|----------------|------------------------------|--|
| 26-Jan-21 | 26-Feb-21 | 26-Feb-21 | 25.9 | |
| 1-Feb-21 | 15-Mar-21 | 8-Apr-21 | 17.9 | Sample paper went two cycles |
| 7-Feb-21 | 15-Mar-21 | 8-Apr-21 | 17.9 | |
| 13-Feb-21 | 15-Mar-21 | 8-Apr-21 | 13.4 | |
| 19-Feb-21 | 15-Mar-21 | 8-Apr-21 | 20.1 | |
| 25-Feb-21 | 15-Mar-21 | 8-Apr-21 | 20.1 | Sample paper went two cycles |
| 3-Mar-21 | 20-Apr-21 | 22-Apr-21 | 23.8 | |
| 9-Mar-21 | 20-Apr-21 | 22-Apr-21 | 9.5 | |
| 15-Mar-21 | 20-Apr-21 | 22-Apr-21 | 10.3 | Sample paper went two cycles |
| 21-Mar-21 | 20-Apr-21 | 22-Apr-21 | 10.3 | |
| 27-Mar-21 | 20-Apr-21 | 22-Apr-21 | 13.4 | |
| 2-Apr-21 | 20-Apr-21 | 22-Apr-21 | 14.6 | |
| 8-Apr-21 | 21-May-21 | 2-Jun-21 | 7.5 | |
| 14-Apr-21 | 21-May-21 | 2-Jun-21 | 10.7 | |
| 20-Apr-21 | 21-May-21 | 2-Jun-21 | 9.9 | |
| 26-Apr-21 | 21-May-21 | 2-Jun-21 | 9.9 | |
| 2-May-21 | 21-May-21 | 2-Jun-21 | 10.7 | |
| 8-May-21 | 5-Jul-21 | 30-Jul-21 | 11.0 | |
| 14-May-21 | 5-Jul-21 | 30-Jul-21 | 9.5 | |
| 20-May-21 | 5-Jul-21 | 30-Jul-21 | 13.3 | |
| 26-May-21 | 5-Jul-21 | 30-Jul-21 | 6.3 | |
| 1-Jun-21 | 5-Jul-21 | 30-Jul-21 | 7.1 | |
| 7-Jun-21 | 5-Jul-21 | 30-Jul-21 | 11.4 | |
| 13-Jun-21 | 5-Jul-21 | 30-Jul-21 | 11.8 | |
| 19-Jun-21 | 9-Aug-21 | 31-Jul-21 | 4.8 | |
| 25-Jun-21 | 9-Aug-21 | 13-Aug-21 | 5 | Sample paper went two cycles |
| 1-Jul-21 | 9-Aug-21 | 13-Aug-21 | 5 | |
| 7-Jul-21 | 9-Aug-21 | 13-Aug-21 | 16 | |
| 13-Jul-21 | 9-Aug-21 | 13-Aug-21 | 8 | |
| 19-Jul-21 | 9-Aug-21 | 13-Aug-21 | 10 | |
| 25-Jul-21 | 9-Aug-21 | 13-Aug-21 | 6 | |
| 31-Jul-21 | 9-Aug-21 | 13-Aug-21 | 12 | |
| 6-Aug-21 | 15-Sep-21 | 23-Sep-21 | 13 | |
| 12-Aug-21 | 15-Sep-21 | 23-Sep-21 | 15 | |
| 18-Aug-21 | 15-Sep-21 | 23-Sep-21 | 8 | |
| 24-Aug-21 | 15-Sep-21 | 23-Sep-21 | 9 | |
| 30-Aug-21 | 15-Sep-21 | 23-Sep-21 | 12 | |
| 5-Sep-21 | 20-Oct-21 | 22-Oct-21 | 7.4 | |
| 11-Sep-21 | 20-Oct-21 | 22-Oct-21 | 13.6 | |
| 17-Sep-21 | 20-Oct-21 | 22-Oct-21 | 13.6 | Sample paper went two cycles |
| 23-Sep-21 | 20-Oct-21 | 22-Oct-21 | 9.8 | |
| 29-Sep-21 | 20-Oct-21 | 22-Oct-21 | 11.4 | |
| 5-Oct-21 | 20-Oct-21 | 22-Oct-21 | 14.8 | |
| 11-Oct-21 | 20-Dec-21 | 22-Dec-21 | 13.4 | |
| 17-Oct-21 | 20-Dec-21 | 22-Dec-21 | 20.3 | |
| 23-Oct-21 | 20-Dec-21 | 22-Dec-21 | 10.6 | |
| 29-Oct-21 | 20-Dec-21 | 22-Dec-21 | 21.1 | |
| 4-Nov-21 | 20-Dec-21 | 22-Dec-21 | 10.6 | |
| 10-Nov-21 | 20-Dec-21 | 22-Dec-21 | 12.7 | |
| 16-Nov-21 | 20-Dec-21 | 22-Dec-21 | 10.2 | |
| 22-Nov-21 | 20-Dec-21 | 22-Dec-21 | 8.3 | |
| 28-Nov-21 | 20-Dec-21 | 22-Dec-21 | 7.0 | |
| 4-Dec-21 | 20-Dec-21 | 22-Dec-21 | 6.3 | |
| 10-Dec-21 | 18-Jan-22 | 28-Jan-22 | 8.5 | |
| 16-Dec-21 | 18-Jan-22 | 28-Jan-22 | 11.8 | |
| 22-Dec-21 | 18-Jan-22 | 28-Jan-22 | 9.7 | |
| 28-Dec-21 | 18-Jan-22 | 28-Jan-22 | 11.0 | |
| 3-Jan-22 | 18-Jan-22 | 28-Jan-22 | 10.8 | |
| 9-Jan-22 | 18-Jan-22 | 28-Jan-22 | 8.9 | |
| 15-Jan-22 | NR | 28-Feb-22 | N/A | 28 Feb - Sampler flood effected |
| 21-Jan-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 27-Jan-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 2-Feb-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 8-Feb-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 14-Feb-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 20-Feb-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 26-Feb-22 | NR | 28-Feb-22 | N/A | Sampler flood effected new unit on order |
| 4-Mar-22 | NR | 31-Mar-22 | N/A | Sampler flood effected new unit on order |
| 10-Mar-22 | NR | 31-Mar-22 | N/A | Sampler flood effected new unit on order |
| 16-Mar-22 | NR | 31-Mar-22 | N/A | Sampler flood effected new unit on order |
| 22-Mar-22 | NR | 31-Mar-22 | N/A | Sampler flood effected new unit on order |
| 28-Mar-22 | NR | 31-Mar-22 | N/A | Sampler flood effected new unit on order |
| 3-Apr-22 | NR | 30-Apr-22 | N/A | Sampler flood effected new unit on order |
| 9-Apr-22 | NR | 30-Apr-22 | N/A | Sampler flood effected new unit on order |
| 15-Apr-22 | NR | 30-Apr-22 | N/A | Sampler flood effected new unit on order |
| 21-Apr-22 | NR | 30-Apr-22 | N/A | Sampler flood effected new unit on order |
| 27-Apr-22 | NR | 30-Apr-22 | N/A | Sampler flood effected new unit on order |
| 3-May-22 | NR | 18-May-22 | N/A | Sampler flood effected new unit on order |
| 9-May-22 | NR | 18-May-22 | N/A | Sampler flood effected new unit on order |
| 15-May-22 | NR | 1-Jun-22 | N/A | Sampler flood effected new unit on order |
| 21-May-22 | NR | 15-Jun-22 | N/A | Sampler flood effected new unit on order |
| 27-May-22 | NR | 15-Jun-22 | N/A | Sampler flood effected new unit on order |
| 2-Jun-22 | NR | 15-Jun-22 | N/A | Sampler flood effected new unit on order |
| 8-Jun-22 | NR | 15-Jun-22 | N/A | Sampler flood effected new unit on order |
| 14-Jun-22 | NR | 15-Jun-22 | N/A | Sampler flood effected new unit on order |
| 28-Jun-22 | NR | 29-Jun-22 | N/A | Sampler flood effected new unit on order |
| 13-Jul-22 | NR | 13-Jul-22 | N/A | New sampler installed on 6/7, no power available |
| 27-Jul-22 | NR | 27-Jul-22 | N/A | New sampler installed on 6/7, no power available |
| 10-Aug-22 | NR | 10-Aug-22 | N/A | Power to unit initiated on 11/8 |
| 13-Aug-22 | 6-Sep-22 | 24-Aug-22 | 5.6 | |
| 19-Aug-22 | 6-Sep-22 | 24-Aug-22 | 16.3 | |
| 25-Aug-22 | 6-Sep-22 | 24-Aug-22 | 12.8 | |
| 31-Aug-22 | 6-Sep-22 | 24-Aug-22 | 14.6 | |
| 6-Sep-22 | NR | N/A | N/A | Samples being compiled |
| 12-Sep-22 | NR | N/A | N/A | Samples being compiled |
| 18-Sep-22 | NR | N/A | N/A | Samples being compiled |

Sampling Point: Monitoring Point 3 - Ambient Air Monitoring
 Licencee Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 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 |
|-----------------------|---------------|----------------|-----------------------------------|---|
| 5-Jan-21 | 29-Jan-21 | 25-Jan-21 | 1.64 | |
| 4-Feb-21 | 12-Feb-21 | 26-Feb-21 | 0.41 | |
| 5-Mar-21 | 12-Mar-21 | 8-Apr-21 | 0.73 | |
| 7-Apr-21 | 16-Apr-21 | 22-Apr-21 | 0.84 | |
| 5-May-21 | 18-May-21 | 20-May-21 | 0.00 | |
| 2-Jun-21 | 4-Jun-21 | 17-Jun-21 | 0.06 | |
| 2-Jul-21 | 9-Jul-21 | 16-Jul-21 | 0.59 | Fine org. matter |
| 5-Aug-21 | 11-Aug-21 | 13-Aug-21 | 0.77 | |
| 7-Sep-21 | 10-Sep-21 | 23-Sep-21 | 1.64 | Large org. matter |
| 7-Oct-21 | 19-Oct-21 | 22-Oct-21 | 0.80 | Fine org. matter |
| 7-Dec-21 | 15-Dec-21 | 15-Dec-21 | 2.20 | Bug, large org. matter |
| 1-Jan-22 | 21-Jan-22 | 28-Jan-22 | 1.54 | Fine org. matter |
| 1-Feb-22 | NR | 28-Feb-22 | N/A | Bottles flooded |
| 1-Mar-22 | NR | 31-Mar-22 | N/A | Bottles flood damaged and not serviceable, new bottles set 20/04/2022 |
| 1-Apr-22 | NR | 30-Apr-22 | N/A | New bottles placed on 20/4/22 |
| 5-May-22 | 11-May-22 | 1-Jun-22 | 0.13 | |
| 6-Jun-22 | 20-Jun-22 | 29-Jun-22 | 4.30 | |
| 5-Jul-22 | 8-Jul-22 | 27-Jul-22 | 0.19 | |
| 4-Aug-22 | 9-Aug-22 | 24-Aug-22 | 0.16 | |
| 5-Sep-22 | 12-Sep-22 | 21-Sep-22 | 0.41 | |

Sampling Point: Monitoring Point 4 - Ambient Air Monitoring

Licencee Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 Parameter Particulates - Deposited Matter
 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 |
|-----------------------|---------------|----------------|-----------------------------------|---|
| 5-Jan-21 | 29-Jan-21 | 25-Jan-21 | 1.28 | |
| 4-Feb-21 | 12-Feb-21 | 26-Feb-21 | 0.18 | Spider |
| 5-Mar-21 | 12-Mar-21 | 8-Apr-21 | 0.90 | |
| 7-Apr-21 | 16-Apr-21 | 22-Apr-21 | 0.79 | |
| 5-May-21 | 18-May-21 | 20-May-21 | 0.56 | |
| 2-Jun-21 | 4-Jun-21 | 17-Jun-21 | 0.17 | |
| 2-Jul-21 | 9-Jul-21 | 16-Jul-21 | 0.97 | Fine org. matter |
| 5-Aug-21 | 11-Aug-21 | 13-Aug-21 | 1.02 | |
| 7-Sep-21 | 10-Sep-21 | 23-Sep-21 | 1.49 | Large org. matter |
| 7-Oct-21 | 19-Oct-21 | 22-Oct-21 | 1.01 | Fine org. matter |
| 7-Dec-21 | 15-Dec-21 | 15-Dec-21 | 0.59 | Dirt, large org. matter |
| 1-Jan-22 | 21-Jan-22 | 28-Jan-22 | 1.11 | |
| 01-Feb-22 | NR | NR | N/A | Bottles flooded |
| | | | | Bottles flood damaged and not serviceable, new bottles set 20/04/2022 |
| 01-Mar-22 | NR | NR | N/A | |
| 1-Apr-22 | NR | 30-Apr-22 | N/A | New bottles placed on 20/4/22 |
| 5-May-22 | 11-May-22 | 1-Jun-22 | 0.23 | |
| 6-Jun-22 | 20-Jun-22 | 29-Jun-22 | 4.80 | |
| 5-Jul-22 | 8-Jul-22 | 27-Jul-22 | 0.33 | |
| 4-Aug-22 | 9-Aug-22 | 24-Aug-22 | 0.25 | |
| 5-Sep-22 | 12-Sep-22 | 21-Sep-22 | 0.41 | |

Sampling Point: Monitoring Point 5 - Ambient Air Monitoring
 Licence Cape Byron Management Pty Ltd
 Location Broadwater Power Plant Fuel Stockpile
 EPL No 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 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 |
|-----------------------|---------------|----------------|-----------------------------------|---|
| 5-Jan-21 | 29-Jan-21 | 25-Jan-21 | 1.15 | |
| 4-Feb-21 | 12-Feb-21 | 26-Feb-21 | 1.61 | |
| 5-Mar-21 | 12-Mar-21 | 8-Apr-21 | 1.85 | |
| 7-Apr-21 | 16-Apr-21 | 22-Apr-21 | 1.15 | |
| 5-May-21 | 18-May-21 | 20-May-21 | 0.71 | |
| 2-Jun-21 | 4-Jun-21 | 17-Jun-21 | 0.52 | Spiders |
| 2-Jul-21 | 9-Jul-21 | 16-Jul-21 | 1.90 | Fine org. matter |
| 5-Aug-21 | 11-Aug-21 | 13-Aug-21 | 1.06 | |
| 7-Sep-21 | 10-Sep-21 | 23-Sep-21 | 2.39 | Fine org. matter |
| 7-Oct-21 | 19-Oct-21 | 22-Oct-21 | 1.87 | Fine org. matter |
| 7-Dec-21 | 15-Dec-21 | 15-Dec-21 | 3.66 | Fine org. matter |
| 1-Jan-22 | 21-Jan-22 | 28-Jan-22 | 10.20 | cloudy, fine org. matter |
| 01-Feb-22 | NR | NR | N/A | Bottles flooded |
| 01-Mar-22 | NR | NR | N/A | Bottles flood damaged and not serviceable, new bottles set 20/04/2022 |
| 1-Apr-22 | NR | 30-Apr-22 | N/A | New bottles placed on 20/4/22 |
| 5-May-22 | 11-May-22 | 1-Jun-22 | 0.17 | |
| 6-Jun-22 | 20-Jun-22 | 29-Jun-22 | 5.00 | |
| 5-Jul-22 | 8-Jul-22 | 27-Jul-22 | 0.65 | |
| 4-Aug-22 | 9-Aug-22 | 24-Aug-22 | 0.08 | |
| 5-Sep-22 | 12-Sep-22 | 21-Sep-22 | 0.56 | |

Sampling Point: Monitoring Point 7 - O₂ Monitoring No 12 Boiler
 Licencee Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.environment.nsw.gov.au>
 Parameters Monitored Oxygen
 Monitoring Frequency Continuous Online Sampling
 Limit No Limits Prescribed



The results in the table provide a fortnightly summary of the minimum, maximum and mean daily values for the period indicated

Comments

| MONITORING PERIOD | | | Oxygen (%) | | | Notes |
|-------------------|-------------|----------------|---------------|---------------|------------|-------------------------------------|
| Date Start | Date Finish | Date Published | Minimum Value | Maximum Value | Mean Value | |
| | | | | | | Boiler Not Operating |
| 18-Oct-21 | 31-Oct-21 | 5-Nov-21 | 2.81 | 21.00 | 10.58 | Boiler offline 18/10/21 to 24/10/21 |
| 1-Nov-21 | 14-Nov-21 | 9-Dec-21 | 3.43 | 21.00 | 9.97 | Boiler Shutdown 9/11/2021 |
| 15-Nov-21 | 28-Nov-21 | 9-Dec-21 | No Data | No Data | No Data | Boiler Not Operating |
| 29-Nov-21 | 12-Dec-21 | 15-Dec-21 | No Data | No Data | No Data | Boiler Not Operating |
| 13-Dec-21 | 26-Dec-21 | 22-Dec-21 | No Data | No Data | No Data | Boiler Not Operating |
| 27-Dec-21 | 9-Jan-22 | 14-Jan-22 | No Data | No Data | No Data | Boiler Not Operating |
| 10-Jan-22 | 23-Jan-22 | 24-Jan-22 | No Data | No Data | No Data | Boiler Not Operating |
| 24-Jan-22 | 6-Feb-22 | 7-Feb-22 | No Data | No Data | No Data | Boiler Not Operating |
| 7-Feb-22 | 20-Feb-22 | 21-Feb-22 | No Data | No Data | No Data | Boiler Not Operating |
| 21-Feb-22 | 6-Mar-22 | 25-Feb-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 7-Mar-22 | 20-Mar-22 | 31-Mar-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 21-Mar-22 | 3-Apr-22 | 31-Mar-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 4-Apr-22 | 17-Apr-22 | 30-Apr-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 18-Apr-22 | 1-May-22 | 30-Apr-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 2-May-22 | 15-May-22 | 18-May-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 16-May-22 | 29-May-22 | 1-Jun-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 30-May-22 | 12-Jun-22 | 15-Jun-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 13-Jun-22 | 26-Jun-22 | 29-Jun-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 27-Jun-22 | 10-Jul-22 | 13-Jul-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 11-Jul-22 | 24-Jul-22 | 27-Jul-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 25-Jul-22 | 7-Aug-22 | 10-Aug-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 8-Aug-22 | 21-Aug-22 | 24-Aug-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 22-Aug-22 | 4-Sep-22 | 7-Sep-22 | No Data | No Data | No Data | Boiler damaged during flood event |
| 5-Sep-22 | 18-Sep-22 | 21-Sep-22 | No Data | No Data | No Data | Boiler damaged during flood event |

Sampling Point: Monitoring Point 6 - O₂ Monitoring No 1 Cogeneration Boiler
 Licence: Cape Byron Management Pty Ltd
 Location: Broadwater Cogeneration Power Plant
 EPL No: 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 Parameters Monitored: Oxygen
 Monitoring Frequency: Continuous Online Sampling
 Limit: No Limits Prescribed



The results in the table provide a fortnightly summary of the minimum, maximum and mean daily values for the period indicated

Comments

| MONITORING PERIOD | | Date Published | Oxygen (%) | | | Notes |
|-------------------|-------------|----------------|---------------|------------|---------------|---|
| Date Start | Date Finish | | Minimum Value | Mean Value | Maximum Value | |
| 28-Dec-20 | 10-Jan-21 | 20-Jan-21 | 2.10 | 14.10 | 21.60 | Boiler Online 5/01/21 |
| 11-Jan-21 | 24-Jan-21 | 29-Jan-21 | 2.90 | 7.26 | 21.10 | |
| 25-Jan-21 | 7-Feb-21 | 10-Feb-21 | 1.80 | 6.43 | 15.20 | |
| 8-Feb-21 | 21-Feb-21 | 26-Feb-21 | 1.40 | 6.94 | 21.20 | |
| 22-Feb-21 | 7-Mar-21 | 12-Mar-21 | 0.00 | 5.71 | 21.00 | |
| 8-Mar-21 | 21-Mar-21 | 8-Apr-21 | 1.80 | 8.01 | 21.40 | |
| 22-Mar-21 | 4-Apr-21 | 8-Apr-21 | 2.30 | 8.07 | 21.20 | |
| 5-Apr-21 | 18-Apr-21 | 22-Apr-21 | 3.20 | 7.34 | 21.30 | |
| 19-Apr-21 | 2-May-21 | 6-May-21 | 2.30 | 9.05 | 21.30 | Boiler Offline 01/05/21 |
| 3-May-21 | 16-May-21 | 20-May-21 | No Data | No Data | No Data | Boiler Not Operating |
| 17-May-21 | 30-May-21 | 2-Jun-21 | 0.00 | 7.01 | 21.40 | Boiler Offline 17/05/21 to 24/05/21 |
| 31-May-21 | 13-Jun-21 | 17-Jun-21 | 0.40 | 5.40 | 21.10 | |
| 14-Jun-21 | 27-Jun-21 | 2-Jul-21 | 0.20 | 3.99 | 14.10 | |
| 28-Jun-21 | 11-Jul-21 | 16-Jul-21 | 0.00 | 7.10 | 21.30 | |
| 12-Jul-21 | 25-Jul-21 | 30-Jul-21 | 0.50 | 4.04 | 9.80 | |
| 26-Jul-21 | 8-Aug-21 | 13-Aug-21 | 0.90 | 6.68 | 21.40 | |
| 9-Aug-21 | 22-Aug-21 | 27-Aug-21 | 0.00 | 4.58 | 21.20 | |
| 23-Aug-21 | 5-Sep-21 | 9-Sep-21 | 0.60 | 4.75 | 21.30 | |
| 6-Sep-21 | 19-Sep-21 | 23-Sep-21 | 0.30 | 4.71 | 21.10 | |
| 20-Sep-21 | 3-Oct-21 | 8-Oct-21 | 1.20 | 4.95 | 12.90 | |
| 4-Oct-21 | 17-Oct-21 | 22-Oct-21 | 0.00 | 5.52 | 21.50 | |
| 18-Oct-21 | 31-Oct-21 | 5-Nov-21 | 0.80 | 5.38 | 21.10 | |
| 1-Nov-21 | 14-Nov-21 | 23-Nov-21 | 2.81 | 10.60 | 21.00 | |
| 15-Nov-21 | 28-Nov-21 | 9-Dec-21 | 0.00 | 14.86 | 21.40 | |
| 29-Nov-21 | 12-Dec-21 | 15-Dec-21 | -0.90 | 10.97 | 21.30 | |
| 13-Dec-21 | 26-Dec-21 | 14-Jan-22 | 3.20 | 8.29 | 21.20 | Boiler Offline 25/12/21 to 26/12/21 |
| 27-Dec-21 | 9-Jan-22 | 14-Jan-22 | 3.70 | 14.80 | 21.30 | Online 5/1/22 to 7/1/22 |
| 10-Jan-22 | 23-Jan-22 | 28-Jan-22 | 4.10 | 12.00 | 21.20 | |
| 24-Jan-22 | 6-Feb-22 | 11-Feb-22 | -0.90 | 12.00 | 21.30 | |
| 7-Feb-22 | 20-Feb-22 | 28-Feb-22 | 2.90 | 10.25 | 21.20 | |
| 21-Feb-22 | 31-Mar-22 | 31-Mar-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 1-Apr-22 | 30-Apr-22 | 30-Apr-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 15-Apr-22 | 14-May-22 | 18-May-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 29-Apr-22 | 28-May-22 | 1-Jun-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 13-May-22 | 11-Jun-22 | 15-Jun-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 27-May-22 | 25-Jun-22 | 30-Jun-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 10-Jun-22 | 9-Jul-22 | 13-Jul-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 24-Jun-22 | 23-Jul-22 | 27-Jul-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 8-Jul-22 | 6-Aug-22 | 10-Aug-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 22-Jul-22 | 20-Aug-22 | 24-Aug-22 | NR | NR | NR | Boiler offline due to flood damage from 25/2/22 |
| 22-Aug-22 | 4-Sep-22 | 7-Sep-22 | -1.10 | 13.90 | 22.40 | Plant in commissioning phase |
| 5-Sep-22 | 18-Sep-22 | 7-Sep-22 | 0.00 | 6.43 | 21.30 | |

Sampling Point: Monitoring Point 10 - Stockpile Sediment Pond West
Licencee: Cape Byron Management Pty Ltd
Location: Broadwater Power Plant Fuel Stockpile
EPL No: 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
Parameter/s Monitored: See Table
Frequency & Method: Monthly Grab Sample
Limit/s: None Prescribed



PARAMETERS MEASURED

| Date Sampled | Date Received | Date Published | BOD ₅ (mg/L) | TSS (mg/L) | pH | Nitrogen (mg/L) | Phosphorus (mg/L) | Notes |
|--------------|---------------|----------------|-------------------------|------------|-----|-----------------|-------------------|---|
| 20-Jan-21 | 29-Jan-21 | 10-Feb-21 | 7.6 | 10.0 | 6.4 | 0.9 | 1.2 | |
| 26-Feb-21 | 11-Mar-21 | 12-Mar-21 | 22.4 | 154.0 | 6.2 | 1.9 | 0.9 | |
| 16-Mar-21 | 6-Apr-21 | 8-Apr-21 | 19.7 | 150.0 | 6.2 | <0.1 | 1.4 | |
| 13-Apr-21 | 21-Apr-21 | 22-Apr-21 | 13.0 | 82.0 | 6.0 | 1.0 | 1.1 | |
| 18-May-21 | 24-May-21 | 2-Jun-21 | 15.8 | 55.0 | 6.3 | 0.6 | 1.1 | |
| 22-Jun-21 | 1-Jul-21 | 2-Jul-21 | 3.5 | 5.0 | 6.8 | 0.8 | 0.6 | |
| 27-Jul-21 | 2-Aug-21 | 13-Aug-21 | 5.1 | 72.0 | 6.5 | 1.1 | 1.2 | |
| 24-Aug-21 | 30-Aug-21 | 9-Sep-21 | 3.2 | 28.0 | 7.6 | 1.5 | 0.4 | |
| 28-Sep-21 | 7-Oct-21 | 8-Oct-21 | 1.5 | 11.0 | 7.0 | 1.0 | 0.5 | |
| 25-Oct-21 | 4-Nov-21 | 5-Nov-21 | 5.1 | 32.0 | 6.6 | 1.2 | 1.0 | |
| 9-Nov-21 | 19-Nov-21 | 23-Nov-21 | 3.0 | 15.0 | 6.8 | 0.6 | 0.8 | |
| 7-Dec-21 | 17-Dec-21 | 22-Dec-21 | 14.0 | 117.0 | 6.1 | 0.9 | 1.1 | |
| 31-Jan-22 | NA | NA | NR | NR | NR | NR | NR | Flood affected operations |
| 25-Feb-22 | NA | NA | NR | NR | NR | NR | NR | Pond sample unable to be taken due to flooding in Feb |
| 20-Mar-22 | NA | NA | NR | NR | NR | NR | NR | Pond sample unable to be taken due to flooding in Feb |
| 29-Apr-22 | 29-Apr-22 | 18-May-22 | 70.6 | 127.0 | 5.0 | 1.6 | 1.2 | |
| 18-May-22 | 26-May-22 | 1-Jun-22 | 7.7 | 23.0 | 6.1 | 1.3 | 0.8 | |
| 21-Jun-22 | 30-Jun-22 | 27-Jul-22 | 3.7 | 15.0 | 6.3 | 0.9 | 0.9 | |
| 22-Jul-22 | 2-Aug-22 | 10-Aug-22 | 4.2 | 44.0 | 6.2 | 0.9 | 0.9 | |
| 18-Aug-22 | 26-Aug-22 | 7-Sep-22 | 1.9 | 23.0 | 6.6 | 0.7 | 1.3 | |
| 15-Sep-22 | NA | 21-Sep-22 | NA | NA | NA | NA | NA | Results not received |

Sampling Point: Monitoring Point 8 - Cogeneration Cooling Water Discharge
Licencee: Cape Byron Management Pty Ltd
Location: Broadwater Cogeneration Power Plant
EPL No: 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
Parameters Monitored: Temperature & Volume
Monitoring Frequency: Continous online
Limits: Seet Table
Comments: No result may exceed the maximum limit.



| MONITORING PERIOD | | | Temperature (°C) | | | Volume (kL/day) | | | Notes |
|-------------------|-------------|----------------|------------------|-----------|----------|-------------------------|----------------------|-------------------------|---|
| | | | Limit/s | Maximum | 41 | Limit/s | Maximum | 155520 | |
| Date Start | Date Finish | Date Published | Min Temp | Mean Temp | Max Temp | Minimum Daily Discharge | Mean Daily Discharge | Maximum Daily Discharge | |
| 28-Dec-20 | 10-Jan-21 | 20-Jan-21 | 25 | 31 | 42.2 | 19482 | 98986 | 137184 | Boiler Online 5/01/21, excursion on 5/01/21 due to turbine control fault for 30 minutes |
| 11-Jan-21 | 24-Jan-21 | 29-Jan-21 | 23 | 36 | 39.5 | 124752 | 136148 | 137184 | |
| 25-Jan-21 | 7-Feb-21 | 10-Feb-21 | 27 | 36 | 39.6 | 135183 | 137017 | 137184 | |
| 8-Feb-21 | 21-Feb-21 | 26-Feb-21 | 24 | 35 | 39 | 68592 | 124958 | 137184 | |
| 22-Feb-21 | 7-Mar-21 | 12-Mar-21 | 24 | 35 | 39 | 119179 | 134203 | 137184 | |
| 8-Mar-21 | 21-Mar-21 | 8-Apr-21 | 22 | 32 | 37 | 68592 | 128459 | 137184 | |
| 22-Mar-21 | 4-Apr-21 | 8-Apr-21 | 21 | 30 | 36 | 137184 | 137184 | 137184 | |
| 5-Apr-21 | 18-Apr-21 | 22-Apr-21 | 21 | 30 | 34 | 135707 | 137061 | 137184 | |
| 19-Apr-21 | 2-May-21 | 6-May-21 | 19 | 28 | 33 | 137184 | 137184 | 137184 | |
| 3-May-21 | 16-May-21 | 20-May-21 | No Data | No Data | No Data | No Data | No Data | No Data | Boiler Not Operating |
| 17-May-21 | 30-May-21 | 2-Jun-21 | 17 | 30 | 33 | 43108 | 64138 | 68592 | Boiler Offline 17/05/21 to 24/05/21 |
| 31-May-21 | 13-Jun-21 | 17-Jun-21 | 16 | 30 | 44.8 | 67544 | 68505 | 68592 | Fault in the side stream flush valve - high temperature 11/06/21 for 13 minutes |
| 14-Jun-21 | 27-Jun-21 | 2-Jul-21 | 22 | 29 | 39 | 68592 | 68592 | 68592 | |
| 28-Jun-21 | 11-Jul-21 | 16-Jul-21 | 15 | 25 | 33 | 66830 | 68445 | 68592 | |
| 12-Jul-21 | 25-Jul-21 | 30-Jul-21 | 21 | 29 | 35 | 68592 | 68592 | 68592 | |
| 26-Jul-21 | 8-Aug-21 | 13-Aug-21 | 16 | 26 | 36 | 68592 | 72895 | 85311 | |
| 9-Aug-21 | 22-Aug-21 | 27-Aug-21 | 18 | 27 | 32 | 73498 | 122378 | 137184 | |
| 23-Aug-21 | 5-Sep-21 | 9-Sep-21 | 17 | 27 | 33 | 135660 | 137025 | 137184 | |
| 6-Sep-21 | 19-Sep-21 | 23-Sep-21 | 19 | 28 | 35 | 132992 | 136815 | 137184 | |
| 20-Sep-21 | 3-Oct-21 | 8-Oct-21 | 21 | 30 | 37 | 134612 | 136767 | 137184 | |
| 4-Oct-21 | 17-Oct-21 | 22-Oct-21 | 21 | 30 | 38 | 133564 | 136863 | 137184 | |
| 18-Oct-21 | 31-Oct-21 | 5-Nov-21 | 22 | 32 | 39 | 133564 | 136882 | 137184 | |
| 1-Nov-21 | 14-Nov-21 | 23-Nov-21 | 22 | 32 | 39 | 133564 | 136882 | 137184 | |
| 15-Nov-21 | 28-Nov-21 | 9-Dec-21 | 20 | 29 | 38 | 50872 | 125913 | 137184 | |
| 29-Nov-21 | 12-Dec-21 | 15-Dec-21 | 22 | 29 | 35 | 68592 | 122501 | 137184 | |
| 13-Dec-21 | 26-Dec-21 | 14-Jan-22 | 29 | 35 | 39 | 134469 | 136843 | 137184 | |
| 27-Dec-21 | 9-Jan-22 | 14-Jan-22 | 24 | 29 | 37 | 68592 | 104869 | 137184 | |
| 10-Jan-22 | 23-Jan-22 | 28-Jan-22 | 22 | 31 | 40 | 68211 | 122565 | 137184 | |
| 24-Jan-22 | 6-Feb-22 | 11-Feb-22 | 22 | 30 | 38 | 68592 | 118551 | 137184 | |
| 7-Feb-22 | 20-Feb-22 | 25-Feb-22 | 24 | 31 | 37 | 116225 | 133477 | 137184 | |
| 21-Feb-22 | 25-Feb-22 | 11-Mar-22 | 20 | 29 | 38 | 50872 | 126347 | 137184 | Plant shut-in @ 22:30 25/02/22 pre-flood event |
| 26-Feb-22 | 31-Mar-22 | 31-Mar-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 1-Apr-22 | 30-Apr-22 | 30-Apr-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 15-Apr-22 | 14-May-22 | 18-May-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 29-Apr-22 | 28-May-22 | 1-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 13-May-22 | 11-Jun-22 | 15-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 27-May-22 | 25-Jun-22 | 28-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 10-Jun-22 | 9-Jul-22 | 13-Jul-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 24-Jun-22 | 23-Jul-22 | 27-Jul-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 8-Jul-22 | 6-Aug-22 | 10-Aug-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 22-Aug-22 | 4-Sep-22 | 7-Sep-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 5-Sep-22 | 18-Sep-22 | 7-Sep-22 | NR | NR | NR | NR | NR | NR | Plant in commissioning phase |
| 23-Aug-22 | 5-Sep-22 | 21-Sep-22 | NR | NR | NR | NR | NR | NR | Plant in commissioning phase |
| 6-Sep-22 | 19-Sep-22 | 21-Sep-22 | 17 | 23 | 28 | 91408 | 131543 | 137184 | |

Sampling Point: Monitoring Point 12 - Reverse Osmosis Sidestream
 Licencee Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.epa.nsw.gov.au/prpocoeapp/>
 Parameters Measured See Table
 Frequency & Method Biannual Grab Sample
 Licence Limits Not Prescribed



| Pollutants | Units | Date Sampled | Date Received | Date Published | Results | Notes |
|-----------------------|-----------------------|--------------|---------------|----------------|---------|-------|
| Aluminium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.695 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.205 | |
| Ammonia | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.680 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.292 | |
| Arsenic | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.003 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.001 | |
| Barium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.118 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.078 | |
| Bicarbonate | CaCO ₃ /kg | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 37.000 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 120.000 | |
| Cadmium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.001 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Calcium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 26.286 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 33.689 | |
| Chloride | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 2.206 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 1.389 | |
| Chromium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.001 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Conductivity | dS/m | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 1.170 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.825 | |
| Copper | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.001 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Hardness (as calcium) | CaCO ₃ /kg | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 142.124 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 33.700 | |
| Iron | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 7.673 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 1.350 | |
| Lead | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.001 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Magnesium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 18.574 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 15.500 | |
| Manganese | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.154 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.046 | |
| Mercury | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.0005 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.0005 | |
| Nickel | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.002 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Nitrate | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.016 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.623 | |
| Nitrite | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.248 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.100 | |
| Orthophosphate | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.027 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.007 | |
| Potassium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 8.177 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 11.000 | |
| Selenium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.002 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.002 | |
| Silica (total) | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 23.467 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 20.400 | |
| Silver | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <0.001 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <0.001 | |
| Sodium | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 175.331 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 113.000 | |

Sampling Point: Monitoring Point 12 - Reverse Osmosis Sidestream
 Licencee Cape Byron Management Pty Ltd
 Location Broadwater Cogeneration Power Plant
 EPL No 20425 <http://www.epa.nsw.gov.au/prpoeoapp/>
 Parameters Measured See Table
 Frequency & Method Biannual Grab Sample
 Licence Limits Not Prescribed



| Pollutants | Units | Date Sampled | Date Received | Date Published | Results | Notes |
|-------------------------|-------|--------------|---------------|----------------|---------|-------|
| Sodium Adsorption Ratio | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 6.394 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 4.000 | |
| Sulfate | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 115.047 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 87.000 | |
| Total Dissolved Salts | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 795.600 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 561.000 | |
| Total Organic Carbon | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 21.500 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 20.400 | |
| Total Suspended Solids | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | <1 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | <1 | |
| Zinc | mg/l | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 0.024 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 0.004 | |
| pH | | 13-Apr-21 | 19-Apr-21 | 22-Apr-21 | 6.780 | |
| | | 28-Sep-21 | 07-Oct-21 | 08-Oct-21 | 7.600 | |

Sampling Point: Monitoring Point 9 - Cogeneration Cooling Water Inlet
Licencee: Cape Byron Management Pty Ltd
Location: Broadwater Cogeneration Power Plant
EPL No: 20425 <http://www.epa.nsw.gov.au/prpoeapp/>
Parameters Monitored: Temperature
Monitoring Frequency: Continuous online (by calculation)
Limits: Not Applicable - background data only



| MONITORING PERIOD | | | Temperature (°C) | | | Volume (kL/day) | | | Notes |
|-------------------|-------------|----------------|--------------------------------|-----------------------------|--------------------------------|----------------------|-------------------|----------------------|--|
| Date Start | Date Finish | Date Published | Minimum Background Temperature | Mean Background Temperature | Maximum Background Temperature | Minimum Daily Intake | Mean Daily Intake | Maximum Daily Intake | |
| 10-Jan-22 | 23-Jan-22 | 28-Jan-22 | 22.8 | 26.5 | 28.4 | 68210 | 122565 | 137184 | |
| 24-Jan-22 | 6-Feb-22 | 11-Feb-22 | 23.2 | 25.2 | 28.0 | 68592 | 118551 | 137184 | |
| 7-Feb-22 | 20-Feb-22 | 25-Feb-22 | 24.0 | 25.0 | 26.3 | 116225 | 133477 | 137184 | |
| 21-Feb-22 | 25-Feb-22 | 11-Mar-22 | 19.9 | 26.0 | 39.8 | 50872 | 126347 | 137184 | Plant shut-in @ 22:30 25/02/22 pre-flood event |
| 26-Feb-22 | 31-Mar-22 | 31-Mar-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 1-Apr-22 | 30-Apr-22 | 30-Apr-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 15-Apr-22 | 14-May-22 | 18-May-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 29-Apr-22 | 28-May-22 | 1-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 13-May-22 | 11-Jun-22 | 15-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 27-May-22 | 25-Jun-22 | 28-Jun-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 10-Jun-22 | 9-Jul-22 | 13-Jul-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 24-Jun-22 | 23-Jul-22 | 27-Jul-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 8-Jul-22 | 6-Aug-22 | 10-Aug-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 22-Aug-22 | 4-Sep-22 | 7-Sep-22 | NR | NR | NR | NR | NR | NR | Plant not operating due to flood damage |
| 5-Sep-22 | 18-Sep-22 | 7-Sep-22 | NR | NR | NR | NR | NR | NR | Plant in commissioning phase |
| 23-Aug-22 | 4-Sep-22 | 21-Sep-22 | NR | NR | NR | NR | NR | NR | Plant in commissioning phase |
| 6-Sep-22 | 18-Sep-22 | 21-Sep-22 | 18.7 | 20 | 23 | 91408 | 131543 | 137184 | |

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

Rain gauge
 Cape Byron Management Pty Ltd
 Broadwater Cogeneration Power Plant
 20425
 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) |
| Wednesday, 1 December 2021 | 9:01am | Thursday, 2 December 2021 | 9:00am | 6.8 | 0.2 |
| Thursday, 2 December 2021 | 9:01am | Friday, 3 December 2021 | 9:00am | 1 | 0.2 |
| Friday, 3 December 2021 | 9:01am | Saturday, 4 December 2021 | 9:00am | 0 | 0 |
| Saturday, 4 December 2021 | 9:01am | Sunday, 5 December 2021 | 9:00am | 18.2 | 1.6 |
| Sunday, 5 December 2021 | 9:01am | Monday, 6 December 2021 | 9:00am | 36.6 | 1 |
| Monday, 6 December 2021 | 9:01am | Tuesday, 7 December 2021 | 9:00am | 10 | 0.6 |
| Tuesday, 7 December 2021 | 9:01am | Wednesday, 8 December 2021 | 9:00am | 0.6 | 0.2 |
| Wednesday, 8 December 2021 | 9:01am | Thursday, 9 December 2021 | 9:00am | 8 | 0.6 |
| Thursday, 9 December 2021 | 9:01am | Friday, 10 December 2021 | 9:00am | 24 | 2.2 |
| Friday, 10 December 2021 | 9:01am | Saturday, 11 December 2021 | 9:00am | 0 | 0 |
| Saturday, 11 December 2021 | 9:01am | Sunday, 12 December 2021 | 9:00am | 3.4 | 0.4 |
| Sunday, 12 December 2021 | 9:01am | Monday, 13 December 2021 | 9:00am | 4.2 | 0.6 |
| Monday, 13 December 2021 | 9:01am | Tuesday, 14 December 2021 | 9:00am | 0 | 0 |
| Tuesday, 14 December 2021 | 9:01am | Wednesday, 15 December 2021 | 9:00am | 0 | 0 |
| Wednesday, 15 December 2021 | 9:01am | Thursday, 16 December 2021 | 9:00am | 0 | 0 |
| Thursday, 16 December 2021 | 9:01am | Friday, 17 December 2021 | 9:00am | 1.4 | 0.2 |
| Friday, 17 December 2021 | 9:01am | Saturday, 18 December 2021 | 9:00am | 0.6 | 0.2 |
| Saturday, 18 December 2021 | 9:01am | Sunday, 19 December 2021 | 9:00am | 0 | 0 |
| Sunday, 19 December 2021 | 9:01am | Monday, 20 December 2021 | 9:00am | 0 | 0 |
| Monday, 20 December 2021 | 9:01am | Tuesday, 21 December 2021 | 9:00am | 0 | 0 |
| Tuesday, 21 December 2021 | 9:01am | Wednesday, 22 December 2021 | 9:00am | 0 | 0 |
| Wednesday, 22 December 2021 | 9:01am | Thursday, 23 December 2021 | 9:00am | 0 | 0 |
| Thursday, 23 December 2021 | 9:01am | Friday, 24 December 2021 | 9:00am | 0.4 | 0.2 |
| Friday, 24 December 2021 | 9:01am | Saturday, 25 December 2021 | 9:00am | 0.4 | 0.2 |
| Saturday, 25 December 2021 | 9:01am | Sunday, 26 December 2021 | 9:00am | 0 | 0 |
| Sunday, 26 December 2021 | 9:01am | Monday, 27 December 2021 | 9:00am | 1.8 | 0.4 |
| Monday, 27 December 2021 | 9:01am | Tuesday, 28 December 2021 | 9:00am | 40.6 | 0.8 |
| Tuesday, 28 December 2021 | 9:01am | Wednesday, 29 December 2021 | 9:00am | 3 | 0.2 |
| Wednesday, 29 December 2021 | 9:01am | Thursday, 30 December 2021 | 9:00am | 30.8 | 1.8 |
| Thursday, 30 December 2021 | 9:01am | Friday, 31 December 2021 | 9:00am | 5.2 | 1.2 |
| Friday, 31 December 2021 | 9:01am | Saturday, 1 January 2022 | 9:00am | 29 | 2.4 |
| Saturday, 1 January 2022 | 9:01am | Sunday, 2 January 2022 | 9:00am | 6.8 | 1.2 |
| Sunday, 2 January 2022 | 9:01am | Monday, 3 January 2022 | 9:00am | 3.4 | 0.4 |
| Monday, 3 January 2022 | 9:01am | Tuesday, 4 January 2022 | 9:00am | 10 | 0.2 |
| Tuesday, 4 January 2022 | 9:01am | Wednesday, 5 January 2022 | 9:00am | 10.2 | 0.8 |
| Wednesday, 5 January 2022 | 9:01am | Thursday, 6 January 2022 | 9:00am | 11.4 | 1.2 |
| Thursday, 6 January 2022 | 9:01am | Friday, 7 January 2022 | 9:00am | 1.8 | 0.6 |
| Friday, 7 January 2022 | 9:01am | Saturday, 8 January 2022 | 9:00am | 0 | 0 |
| Saturday, 8 January 2022 | 9:01am | Sunday, 9 January 2022 | 9:00am | 0 | 0 |
| Sunday, 9 January 2022 | 9:01am | Monday, 10 January 2022 | 9:00am | 3.2 | 0.4 |
| Monday, 10 January 2022 | 9:01am | Tuesday, 11 January 2022 | 9:00am | 0.2 | 0.2 |
| Tuesday, 11 January 2022 | 9:01am | Wednesday, 12 January 2022 | 9:00am | 0 | 0 |
| Wednesday, 12 January 2022 | 9:01am | Thursday, 13 January 2022 | 9:00am | 0 | 0 |
| Thursday, 13 January 2022 | 9:01am | Friday, 14 January 2022 | 9:00am | 0 | 0 |
| Friday, 14 January 2022 | 9:01am | Saturday, 15 January 2022 | 9:00am | 0 | 0 |
| Saturday, 15 January 2022 | 9:01am | Sunday, 16 January 2022 | 9:00am | 0 | 0 |
| Sunday, 16 January 2022 | 9:01am | Monday, 17 January 2022 | 9:00am | 11.2 | 0.4 |
| Monday, 17 January 2022 | 9:01am | Tuesday, 18 January 2022 | 9:00am | 0 | 0 |
| Tuesday, 18 January 2022 | 9:01am | Wednesday, 19 January 2022 | 9:00am | 0 | 0 |
| Wednesday, 19 January 2022 | 9:01am | Thursday, 20 January 2022 | 9:00am | 0 | 0 |
| Thursday, 20 January 2022 | 9:01am | Friday, 21 January 2022 | 9:00am | 17.8 | 0.4 |
| Friday, 21 January 2022 | 9:01am | Saturday, 22 January 2022 | 9:00am | 24.4 | 1 |
| Saturday, 22 January 2022 | 9:01am | Sunday, 23 January 2022 | 9:00am | 13.4 | 1 |
| Sunday, 23 January 2022 | 9:01am | Monday, 24 January 2022 | 9:00am | 30.8 | 0.8 |
| Monday, 24 January 2022 | 9:01am | Tuesday, 25 January 2022 | 9:00am | 0.8 | 0.2 |
| Tuesday, 25 January 2022 | 9:01am | Wednesday, 26 January 2022 | 9:00am | 0.6 | 0.2 |
| Wednesday, 26 January 2022 | 9:01am | Thursday, 27 January 2022 | 9:00am | 7.6 | 0.2 |
| Thursday, 27 January 2022 | 9:01am | Friday, 28 January 2022 | 9:00am | 0 | 0 |
| Friday, 28 January 2022 | 9:01am | Saturday, 29 January 2022 | 9:00am | 6.6 | 0.2 |
| Saturday, 29 January 2022 | 9:01am | Sunday, 30 January 2022 | 9:00am | 4.6 | 0.4 |
| Sunday, 30 January 2022 | 9:01am | Monday, 31 January 2022 | 9:00am | 0 | 0 |
| Monday, 31 January 2022 | 9:01am | Tuesday, 1 February 2022 | 9:00am | 6.6 | 1 |
| Tuesday, 1 February 2022 | 9:01am | Wednesday, 2 February 2022 | 9:00am | 0 | 0 |
| Wednesday, 2 February 2022 | 9:01am | Thursday, 3 February 2022 | 9:00am | 0 | 0 |
| Thursday, 3 February 2022 | 9:01am | Friday, 4 February 2022 | 9:00am | 54.4 | 2.8 |
| Friday, 4 February 2022 | 9:01am | Saturday, 5 February 2022 | 9:00am | 58 | 0.6 |
| Saturday, 5 February 2022 | 9:01am | Sunday, 6 February 2022 | 9:00am | 10.6 | 0.6 |
| Sunday, 6 February 2022 | 9:01am | Monday, 7 February 2022 | 9:00am | 5 | 0.8 |
| Monday, 7 February 2022 | 9:01am | Tuesday, 8 February 2022 | 9:00am | 3 | 0.8 |
| Tuesday, 8 February 2022 | 9:01am | Wednesday, 9 February 2022 | 9:00am | 5.2 | 0.4 |
| Wednesday, 9 February 2022 | 9:01am | Thursday, 10 February 2022 | 9:00am | 1.4 | 0.2 |
| Thursday, 10 February 2022 | 9:01am | Friday, 11 February 2022 | 9:00am | 0 | 0 |
| Friday, 11 February 2022 | 9:01am | Saturday, 12 February 2022 | 9:00am | 0 | 0 |
| Saturday, 12 February 2022 | 9:01am | Sunday, 13 February 2022 | 9:00am | 6.8 | 1 |
| Sunday, 13 February 2022 | 9:01am | Monday, 14 February 2022 | 9:00am | 4.8 | 0.4 |
| Monday, 14 February 2022 | 9:01am | Tuesday, 15 February 2022 | 9:00am | 0.8 | 0.2 |
| Tuesday, 15 February 2022 | 9:01am | Wednesday, 16 February 2022 | 9:00am | 4 | 0.4 |
| Wednesday, 16 February 2022 | 9:01am | Thursday, 17 February 2022 | 9:00am | 0.4 | 0.2 |
| Thursday, 17 February 2022 | 9:01am | Friday, 18 February 2022 | 9:00am | 0 | 0 |
| Friday, 18 February 2022 | 9:01am | Saturday, 19 February 2022 | 9:00am | 0 | 0 |
| Saturday, 19 February 2022 | 9:01am | Sunday, 20 February 2022 | 9:00am | 1 | 0.2 |
| Sunday, 20 February 2022 | 9:01am | Monday, 21 February 2022 | 9:00am | 4 | 0.4 |
| Monday, 21 February 2022 | 9:01am | Tuesday, 22 February 2022 | 9:00am | 0 | 0 |
| Tuesday, 22 February 2022 | 9:01am | Wednesday, 23 February 2022 | 9:00am | 8.8 | 1.4 |
| Wednesday, 23 February 2022 | 9:01am | Thursday, 24 February 2022 | 9:00am | 0 | 0 |
| Thursday, 24 February 2022 | 9:01am | Friday, 25 February 2022 | 9:00am | 117.6 | 2 |
| Friday, 25 February 2022 | 9:01am | Saturday, 26 February 2022 | 9:00am | 1 | 0.2 |
| Saturday, 26 February 2022 | 9:01am | Sunday, 27 February 2022 | 9:00am | 1.4 | 0.6 |
| Sunday, 27 February 2022 | 9:01am | Monday, 28 February 2022 | 9:00am | 49.2 | 1 |
| Monday, 28 February 2022 | 9:01am | Tuesday, 1 March 2022 | 9:00am | 254.6 | 1.8 |
| Tuesday, 1 March 2022 | 9:01am | Wednesday, 2 March 2022 | 9:00am | 98.2 | 1.8 |
| Wednesday, 2 March 2022 | 9:01am | Thursday, 3 March 2022 | 9:00am | 5.8 | 0.6 |
| Thursday, 3 March 2022 | 9:01am | Friday, 4 March 2022 | 9:00am | 0.2 | 0.2 |
| Friday, 4 March 2022 | 9:01am | Saturday, 5 March 2022 | 9:00am | 0.6 | 0.2 |
| Saturday, 5 March 2022 | 9:01am | Sunday, 6 March 2022 | 9:00am | 17.2 | 1.4 |
| Sunday, 6 March 2022 | 9:01am | Monday, 7 March 2022 | 9:00am | 12 | 0.4 |
| Monday, 7 March 2022 | 9:01am | Tuesday, 8 March 2022 | 9:00am | 48.4 | 3 |
| Tuesday, 8 March 2022 | 9:01am | Wednesday, 9 March 2022 | 9:00am | 14 | 2 |
| Wednesday, 9 March 2022 | 9:01am | Thursday, 10 March 2022 | 9:00am | 0 | 0 |
| Thursday, 10 March 2022 | 9:01am | Friday, 11 March 2022 | 9:00am | 4.8 | 0.4 |
| Friday, 11 March 2022 | 9:01am | Saturday, 12 March 2022 | 9:00am | 21.6 | 0.8 |

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

Rain gauge
 Cape Byron Management Pty Ltd
 Broadwater Cogeneration Power Plant
 20425
 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, 12 March 2022 | 9:01am | Sunday, 13 March 2022 | 9:00am | 5 | 0.2 |
| Sunday, 13 March 2022 | 9:01am | Monday, 14 March 2022 | 9:00am | 1.4 | 0.4 |
| Monday, 14 March 2022 | 9:01am | Tuesday, 15 March 2022 | 9:00am | 7.6 | 0.6 |
| Tuesday, 15 March 2022 | 9:01am | Wednesday, 16 March 2022 | 9:00am | 10.2 | 0.6 |
| Wednesday, 16 March 2022 | 9:01am | Thursday, 17 March 2022 | 9:00am | 4.8 | 0.6 |
| Thursday, 17 March 2022 | 9:01am | Friday, 18 March 2022 | 9:00am | 3 | 0.4 |
| Friday, 18 March 2022 | 9:01am | Saturday, 19 March 2022 | 9:00am | 0.8 | 0.2 |
| Saturday, 19 March 2022 | 9:01am | Sunday, 20 March 2022 | 9:00am | 0 | 0 |
| Sunday, 20 March 2022 | 9:01am | Monday, 21 March 2022 | 9:00am | 7.2 | 1.4 |
| Monday, 21 March 2022 | 9:01am | Tuesday, 22 March 2022 | 9:00am | 0.2 | 0.2 |
| Tuesday, 22 March 2022 | 9:01am | Wednesday, 23 March 2022 | 9:00am | 0 | 0 |
| Wednesday, 23 March 2022 | 9:01am | Thursday, 24 March 2022 | 9:00am | 0 | 0 |
| Thursday, 24 March 2022 | 9:01am | Friday, 25 March 2022 | 9:00am | 0.8 | 0.2 |
| Friday, 25 March 2022 | 9:01am | Saturday, 26 March 2022 | 9:00am | 43.8 | 1.6 |
| Saturday, 26 March 2022 | 9:01am | Sunday, 27 March 2022 | 9:00am | 16.6 | 0.8 |
| Sunday, 27 March 2022 | 9:01am | Monday, 28 March 2022 | 9:00am | 93.2 | 1.4 |
| Monday, 28 March 2022 | 9:01am | Tuesday, 29 March 2022 | 9:00am | 16.2 | 0.8 |
| Tuesday, 29 March 2022 | 9:01am | Wednesday, 30 March 2022 | 9:00am | 83 | 1.2 |
| Wednesday, 30 March 2022 | 9:01am | Thursday, 31 March 2022 | 9:00am | 233.6 | 2 |
| Thursday, 31 March 2022 | 9:01am | Friday, 1 April 2022 | 9:00am | 11.2 | 1.6 |
| Friday, 1 April 2022 | 9:01am | Saturday, 2 April 2022 | 9:00am | 0.4 | 0.2 |
| Saturday, 2 April 2022 | 9:01am | Sunday, 3 April 2022 | 9:00am | 0.2 | 0.2 |
| 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 | 2.2 | 0.2 |
| 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 | 0 |
| Thursday, 7 April 2022 | 9:01am | Friday, 8 April 2022 | 9:00am | 8.4 | 1.8 |
| Friday, 8 April 2022 | 9:01am | Saturday, 9 April 2022 | 9:00am | 4.2 | 1.2 |
| Saturday, 9 April 2022 | 9:01am | Sunday, 10 April 2022 | 9:00am | 10 | 0.8 |
| Sunday, 10 April 2022 | 9:01am | Monday, 11 April 2022 | 9:00am | 1.4 | 0.4 |
| Monday, 11 April 2022 | 9:01am | Tuesday, 12 April 2022 | 9:00am | 0.8 | 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 | 12.4 | 0.8 |
| Thursday, 14 April 2022 | 9:01am | Friday, 15 April 2022 | 9:00am | 14.6 | 0.6 |
| Friday, 15 April 2022 | 9:01am | Saturday, 16 April 2022 | 9:00am | 4.6 | 1 |
| Saturday, 16 April 2022 | 9:01am | Sunday, 17 April 2022 | 9:00am | 6.6 | 0.8 |
| Sunday, 17 April 2022 | 9:01am | Monday, 18 April 2022 | 9:00am | 4.2 | 1 |
| Monday, 18 April 2022 | 9:01am | Tuesday, 19 April 2022 | 9:00am | 0.2 | 0.2 |
| Tuesday, 19 April 2022 | 9:01am | Wednesday, 20 April 2022 | 9:00am | 0 | 0 |
| Wednesday, 20 April 2022 | 9:01am | Thursday, 21 April 2022 | 9:00am | 0 | 0 |
| Thursday, 21 April 2022 | 9:01am | Friday, 22 April 2022 | 9:00am | 0 | 0 |
| Friday, 22 April 2022 | 9:01am | Saturday, 23 April 2022 | 9:00am | 2.2 | 1.2 |
| Saturday, 23 April 2022 | 9:01am | Sunday, 24 April 2022 | 9:00am | 12 | 0.6 |
| Sunday, 24 April 2022 | 9:01am | Monday, 25 April 2022 | 9:00am | 1.8 | 0.4 |
| Monday, 25 April 2022 | 9:01am | Tuesday, 26 April 2022 | 9:00am | 7.2 | 0.6 |
| Tuesday, 26 April 2022 | 9:01am | Wednesday, 27 April 2022 | 9:00am | 0.2 | 0.2 |
| Wednesday, 27 April 2022 | 9:01am | Thursday, 28 April 2022 | 9:00am | 2.2 | 0.4 |
| Thursday, 28 April 2022 | 9:01am | Friday, 29 April 2022 | 9:00am | 0.8 | 0.2 |
| Friday, 29 April 2022 | 9:01am | Saturday, 30 April 2022 | 9:00am | 11.2 | 1.6 |
| Saturday, 30 April 2022 | 9:01am | Sunday, 1 May 2022 | 9:00am | 1 | 0.4 |
| Sunday, 1 May 2022 | 9:01am | Monday, 2 May 2022 | 9:00am | 10.6 | 0.4 |
| Monday, 2 May 2022 | 9:01am | Tuesday, 3 May 2022 | 9:00am | 20 | 1.4 |
| Tuesday, 3 May 2022 | 9:01am | Wednesday, 4 May 2022 | 9:00am | 4 | 0.4 |
| Wednesday, 4 May 2022 | 9:01am | Thursday, 5 May 2022 | 9:00am | 13.4 | 0.4 |
| Thursday, 5 May 2022 | 9:01am | Friday, 6 May 2022 | 9:00am | 0 | 0 |
| Friday, 6 May 2022 | 9:01am | Saturday, 7 May 2022 | 9:00am | 3.6 | 0.2 |
| Saturday, 7 May 2022 | 9:01am | Sunday, 8 May 2022 | 9:00am | 0.6 | 0.2 |
| Sunday, 8 May 2022 | 9:01am | Monday, 9 May 2022 | 9:00am | 21 | 0.4 |
| Monday, 9 May 2022 | 9:01am | Tuesday, 10 May 2022 | 9:00am | 0 | 0 |
| Tuesday, 10 May 2022 | 9:01am | Wednesday, 11 May 2022 | 9:00am | 1.8 | 0.2 |
| Wednesday, 11 May 2022 | 9:01am | Thursday, 12 May 2022 | 9:00am | 3.4 | 1 |
| Thursday, 12 May 2022 | 9:01am | Friday, 13 May 2022 | 9:00am | 0.8 | 0.2 |
| Friday, 13 May 2022 | 9:01am | Saturday, 14 May 2022 | 9:00am | 3.2 | 0.4 |
| Saturday, 14 May 2022 | 9:01am | Sunday, 15 May 2022 | 9:00am | 2.6 | 0.4 |
| Sunday, 15 May 2022 | 9:01am | Monday, 16 May 2022 | 9:00am | 23.2 | 0.4 |
| Monday, 16 May 2022 | 9:01am | Tuesday, 17 May 2022 | 9:00am | 2 | 0.2 |
| Tuesday, 17 May 2022 | 9:01am | Wednesday, 18 May 2022 | 9:00am | 0 | 0 |
| Wednesday, 18 May 2022 | 9:01am | Thursday, 19 May 2022 | 9:00am | 0 | 0 |
| Thursday, 19 May 2022 | 9:01am | Friday, 20 May 2022 | 9:00am | 5.4 | 0.6 |
| Friday, 20 May 2022 | 9:01am | Saturday, 21 May 2022 | 9:00am | 5.2 | 1 |
| Saturday, 21 May 2022 | 9:01am | Sunday, 22 May 2022 | 9:00am | 18.6 | 1.4 |
| Sunday, 22 May 2022 | 9:01am | Monday, 23 May 2022 | 9:00am | 0 | 0.4 |
| Monday, 23 May 2022 | 9:01am | Tuesday, 24 May 2022 | 9:00am | 45.2 | 1.2 |
| Tuesday, 24 May 2022 | 9:01am | Wednesday, 25 May 2022 | 9:00am | 58.6 | 1.6 |
| Wednesday, 25 May 2022 | 9:01am | Thursday, 26 May 2022 | 9:00am | 12.8 | 0.8 |
| Thursday, 26 May 2022 | 9:01am | Friday, 27 May 2022 | 9:00am | 13 | 0.8 |
| Friday, 27 May 2022 | 9:01am | Saturday, 28 May 2022 | 9:00am | 0.2 | 0.2 |
| 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 | 9.8 | 1.4 |
| Monday, 30 May 2022 | 9:01am | Tuesday, 31 May 2022 | 9:00am | 0 | 0 |
| Tuesday, 31 May 2022 | 9:01am | Wednesday, 1 June 2022 | 9:00am | 0.2 | 0.2 |
| Wednesday, 1 June 2022 | 9:01am | Thursday, 2 June 2022 | 9:00am | 0 | 0 |
| Thursday, 2 June 2022 | 9:01am | Friday, 3 June 2022 | 9:00am | 0 | 0 |
| Friday, 3 June 2022 | 9:01am | Saturday, 4 June 2022 | 9:00am | 0 | 0 |
| Saturday, 4 June 2022 | 9:01am | Sunday, 5 June 2022 | 9:00am | 11.6 | 0.2 |
| Sunday, 5 June 2022 | 9:01am | Monday, 6 June 2022 | 9:00am | 0 | 0 |
| Monday, 6 June 2022 | 9:01am | Tuesday, 7 June 2022 | 9:00am | 0 | 0 |
| Tuesday, 7 June 2022 | 9:01am | Wednesday, 8 June 2022 | 9:00am | 0 | 0 |
| Wednesday, 8 June 2022 | 9:01am | Thursday, 9 June 2022 | 9:00am | 0 | 0 |
| Thursday, 9 June 2022 | 9:01am | Friday, 10 June 2022 | 9:00am | 0 | 0 |
| Friday, 10 June 2022 | 9:01am | Saturday, 11 June 2022 | 9:00am | 0 | 0 |
| Saturday, 11 June 2022 | 9:01am | Sunday, 12 June 2022 | 9:00am | 0 | 0 |
| Sunday, 12 June 2022 | 9:01am | Monday, 13 June 2022 | 9:00am | 0 | 0 |
| Monday, 13 June 2022 | 9:01am | Tuesday, 14 June 2022 | 9:00am | 0 | 0 |
| Tuesday, 14 June 2022 | 9:01am | Wednesday, 15 June 2022 | 9:00am | 0 | 0 |
| Wednesday, 15 June 2022 | 9:01am | Thursday, 16 June 2022 | 9:00am | 0 | 0 |
| 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 | 0.2 | 0.2 |
| Saturday, 18 June 2022 | 9:01am | Sunday, 19 June 2022 | 9:00am | 0 | 0 |
| Sunday, 19 June 2022 | 9:01am | Monday, 20 June 2022 | 9:00am | 0 | 0 |
| Monday, 20 June 2022 | 9:01am | Tuesday, 21 June 2022 | 9:00am | 2.6 | 0.2 |
| Tuesday, 21 June 2022 | 9:01am | Wednesday, 22 June 2022 | 9:00am | 1.4 | 0.2 |
| 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 |
| Friday, 24 June 2022 | 9:01am | Saturday, 25 June 2022 | 9:00am | 0.2 | 0.2 |
| 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 |
| 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 | 0 |
| Wednesday, 29 June 2022 | 9:01am | Thursday, 30 June 2022 | 9:00am | 6.8 | 0.4 |

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

Rain gauge
 Cape Byron Management Pty Ltd
 Broadwater Cogeneration Power Plant
 20425
 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, 30 June 2022 | 9:01am | Friday, 1 July 2022 | 9:00am | 0.2 | 0.2 |
| Friday, 1 July 2022 | 9:01am | Saturday, 2 July 2022 | 9:00am | 0.6 | 0.2 |
| Saturday, 2 July 2022 | 9:01am | Sunday, 3 July 2022 | 9:00am | 26.8 | 0.2 |
| Sunday, 3 July 2022 | 9:01am | Monday, 4 July 2022 | 9:00am | 1.4 | 0.2 |
| Monday, 4 July 2022 | 9:01am | Tuesday, 5 July 2022 | 9:00am | 0 | 0 |
| Tuesday, 5 July 2022 | 9:01am | Wednesday, 6 July 2022 | 9:00am | 16.8 | 0.2 |
| Wednesday, 6 July 2022 | 9:01am | Thursday, 7 July 2022 | 9:00am | 28.4 | 0.6 |
| Thursday, 7 July 2022 | 9:01am | Friday, 8 July 2022 | 9:00am | 10 | 0.8 |
| Friday, 8 July 2022 | 9:01am | Saturday, 9 July 2022 | 9:00am | 2.2 | 0.6 |
| Saturday, 9 July 2022 | 9:01am | Sunday, 10 July 2022 | 9:00am | 0 | 0 |
| Sunday, 10 July 2022 | 9:01am | Monday, 11 July 2022 | 9:00am | 0 | 0 |
| Monday, 11 July 2022 | 9:01am | Tuesday, 12 July 2022 | 9:00am | 3.2 | 0.2 |
| Tuesday, 12 July 2022 | 9:01am | Wednesday, 13 July 2022 | 9:00am | 0.8 | 0.2 |
| Wednesday, 13 July 2022 | 9:01am | Thursday, 14 July 2022 | 9:00am | 2 | 0.4 |
| Thursday, 14 July 2022 | 9:01am | Friday, 15 July 2022 | 9:00am | 0.4 | 0.2 |
| Friday, 15 July 2022 | 9:01am | Saturday, 16 July 2022 | 9:00am | 0 | 0 |
| Saturday, 16 July 2022 | 9:01am | Sunday, 17 July 2022 | 9:00am | 0 | 0 |
| Sunday, 17 July 2022 | 9:01am | Monday, 18 July 2022 | 9:00am | 0 | 0 |
| Monday, 18 July 2022 | 9:01am | Tuesday, 19 July 2022 | 9:00am | 0.2 | 0.2 |
| Tuesday, 19 July 2022 | 9:01am | Wednesday, 20 July 2022 | 9:00am | 20.4 | 0.6 |
| Wednesday, 20 July 2022 | 9:01am | Thursday, 21 July 2022 | 9:00am | 5.2 | 0.4 |
| Thursday, 21 July 2022 | 9:01am | Friday, 22 July 2022 | 9:00am | 3.6 | 0.4 |
| Friday, 22 July 2022 | 9:01am | Saturday, 23 July 2022 | 9:00am | 22.4 | 0.8 |
| Saturday, 23 July 2022 | 9:01am | Sunday, 24 July 2022 | 9:00am | 3.8 | 0.4 |
| Sunday, 24 July 2022 | 9:01am | Monday, 25 July 2022 | 9:00am | 1.2 | 0.2 |
| Monday, 25 July 2022 | 9:01am | Tuesday, 26 July 2022 | 9:00am | 0.2 | 0.2 |
| Tuesday, 26 July 2022 | 9:01am | Wednesday, 27 July 2022 | 9:00am | 0 | 0 |
| Wednesday, 27 July 2022 | 9:01am | Thursday, 28 July 2022 | 9:00am | 0 | 0 |
| Thursday, 28 July 2022 | 9:01am | Friday, 29 July 2022 | 9:00am | 0 | 0 |
| Friday, 29 July 2022 | 9:01am | Saturday, 30 July 2022 | 9:00am | 0 | 0 |
| Saturday, 30 July 2022 | 9:01am | Sunday, 31 July 2022 | 9:00am | 0 | 0 |
| Sunday, 31 July 2022 | 9:01am | Monday, 1 August 2022 | 9:00am | 1.4 | 0.4 |
| Monday, 1 August 2022 | 9:01am | Tuesday, 2 August 2022 | 9:00am | 0 | 0 |
| Tuesday, 2 August 2022 | 9:01am | Wednesday, 3 August 2022 | 9:00am | 0.2 | 0.2 |
| Wednesday, 3 August 2022 | 9:01am | Thursday, 4 August 2022 | 9:00am | 0 | 0 |
| Thursday, 4 August 2022 | 9:01am | Friday, 5 August 2022 | 9:00am | 0 | 0 |
| Friday, 5 August 2022 | 9:01am | Saturday, 6 August 2022 | 9:00am | 0 | 0 |
| Saturday, 6 August 2022 | 9:01am | Sunday, 7 August 2022 | 9:00am | 1.8 | 0.2 |
| Sunday, 7 August 2022 | 9:01am | Monday, 8 August 2022 | 9:00am | 0 | 0 |
| Monday, 8 August 2022 | 9:01am | Tuesday, 9 August 2022 | 9:00am | 0 | 0 |
| Tuesday, 9 August 2022 | 9:01am | Wednesday, 10 August 2022 | 9:00am | 0 | 0 |
| Wednesday, 10 August 2022 | 9:01am | Thursday, 11 August 2022 | 9:00am | 0 | 0 |
| Thursday, 11 August 2022 | 9:01am | Friday, 12 August 2022 | 9:00am | 0 | 0 |
| Friday, 12 August 2022 | 9:01am | Saturday, 13 August 2022 | 9:00am | 0.2 | 0.2 |
| Saturday, 13 August 2022 | 9:01am | Sunday, 14 August 2022 | 9:00am | 0 | 0 |
| Sunday, 14 August 2022 | 9:01am | Monday, 15 August 2022 | 9:00am | 2.8 | 0.2 |
| Monday, 15 August 2022 | 9:01am | Tuesday, 16 August 2022 | 9:00am | 2.6 | 0.2 |
| Tuesday, 16 August 2022 | 9:01am | Wednesday, 17 August 2022 | 9:00am | 0 | 0 |
| Wednesday, 17 August 2022 | 9:01am | Thursday, 18 August 2022 | 9:00am | 0 | 0 |
| Thursday, 18 August 2022 | 9:01am | Friday, 19 August 2022 | 9:00am | 5.6 | 0.4 |
| Friday, 19 August 2022 | 9:01am | Saturday, 20 August 2022 | 9:00am | 0 | 0 |
| Saturday, 20 August 2022 | 9:01am | Sunday, 21 August 2022 | 9:00am | 0 | 0 |
| Sunday, 21 August 2022 | 9:01am | Monday, 22 August 2022 | 9:00am | 0 | 0 |
| Monday, 22 August 2022 | 9:01am | Tuesday, 23 August 2022 | 9:00am | 0 | 0 |
| Tuesday, 23 August 2022 | 9:01am | Wednesday, 24 August 2022 | 9:00am | 2.4 | 0.2 |
| Wednesday, 24 August 2022 | 9:01am | Thursday, 25 August 2022 | 9:00am | 0 | 0 |
| Thursday, 25 August 2022 | 9:01am | Friday, 26 August 2022 | 9:00am | 0 | 0 |
| Friday, 26 August 2022 | 9:01am | Saturday, 27 August 2022 | 9:00am | 0 | 0 |
| Saturday, 27 August 2022 | 9:01am | Sunday, 28 August 2022 | 9:00am | 5.2 | 0.6 |
| Sunday, 28 August 2022 | 9:01am | Monday, 29 August 2022 | 9:00am | 2.4 | 0.4 |
| Monday, 29 August 2022 | 9:01am | Tuesday, 30 August 2022 | 9:00am | 0 | 0 |
| Tuesday, 30 August 2022 | 9:01am | Wednesday, 31 August 2022 | 9:00am | 7.8 | 0.2 |
| Wednesday, 31 August 2022 | 9:01am | Thursday, 1 September 2022 | 9:00am | 0.2 | 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 | 51.6 | 0.4 |
| Saturday, 3 September 2022 | 9:01am | Sunday, 4 September 2022 | 9:00am | 43.8 | 1 |
| Sunday, 4 September 2022 | 9:01am | Monday, 5 September 2022 | 9:00am | 1.4 | 0.2 |
| Monday, 5 September 2022 | 9:01am | Tuesday, 6 September 2022 | 9:00am | 1.6 | 0.4 |
| Tuesday, 6 September 2022 | 9:01am | Wednesday, 7 September 2022 | 9:00am | 1.6 | 0.4 |
| Wednesday, 7 September 2022 | 9:01am | Thursday, 8 September 2022 | 9:00am | 0 | 0 |
| Thursday, 8 September 2022 | 9:01am | Friday, 9 September 2022 | 9:00am | 0 | 0 |
| Friday, 9 September 2022 | 9:01am | Saturday, 10 September 2022 | 9:00am | 6.4 | 0.2 |
| Saturday, 10 September 2022 | 9:01am | Sunday, 11 September 2022 | 9:00am | 0.2 | 0.2 |
| Sunday, 11 September 2022 | 9:01am | Monday, 12 September 2022 | 9:00am | 0 | 0 |
| Monday, 12 September 2022 | 9:01am | Tuesday, 13 September 2022 | 9:00am | 0 | 0 |
| Tuesday, 13 September 2022 | 9:01am | Wednesday, 14 September 2022 | 9:00am | 0 | 0 |
| Wednesday, 14 September 2022 | 9:01am | Thursday, 15 September 2022 | 9:00am | 0 | 0 |
| Thursday, 15 September 2022 | 9:01am | Friday, 16 September 2022 | 9:00am | 0 | 0 |
| Friday, 16 September 2022 | 9:01am | Saturday, 17 September 2022 | 9:00am | 4 | 0.2 |
| Saturday, 17 September 2022 | 9:01am | Sunday, 18 September 2022 | 9:00am | 0 | 0 |
| Sunday, 18 September 2022 | 9:01am | Monday, 19 September 2022 | 9:00am | 0 | 0 |
| Monday, 19 September 2022 | 9:01am | Tuesday, 20 September 2022 | 9:00am | 0 | 0 |
| Tuesday, 20 September 2022 | 9:01am | Wednesday, 21 September 2022 | 9:00am | | |

Licencee Cape Byron Management Pty Ltd
Location Broadwater Cogeneration Power Plant
EPL No 20425



| CORRECTIONS LOG | | | | | | | |
|-----------------|------------------|---------------------|---------------|----------------|----------------|---------------------------|-------------------------|
| Date Sampled | Monitoring Point | Pollutant/Parameter | Original Data | Corrected Data | Date Corrected | Date Originally Published | Reason |
| 01-Jul-21 | 3 | PM10 | <0.1 | 5.0 | 23-Sep-21 | 13-Aug-21 | Sample and bag mixed up |
| 31-Jul-21 | 3 | PM10 | 5.0 | 11.9 | 23-Sep-21 | 13-Aug-21 | Sample and bag mixed up |
| | | | | | | | |