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## B Monitoring and Complaints Summary

Period: 1/11/2021 to 1/12/2021

### B1 Number of Pollution Complaints 0

| Pollution Category | Number of Complaints |
|--------------------|----------------------|
| Air                | 0                    |
| Water              | 0                    |
| Noise              | 0                    |
| Waste              | 0                    |
| Other              | 0                    |

EPL Number: 555  
 Licensee's name: ENERGYAUSTRALIA TALLAWARRA  
 Licensee's address: Tallawarra Power Station, Princes Highway, YALLAH, NSW 2530  
 Link to EPL: <http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=555&id=555&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

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### B2 Concentration Monitoring Summary

#### *Monitoring Point 2: Effluent quality monitoring*

| Pollutant                 | Unit of Measure      | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|---------------------------|----------------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Biochemical oxygen demand | milligrams per litre | Special Frequency 1     | 1                        | 22/09/2021             | 3                   | 3              | 3                    | 20            |
| Total suspended solids    | milligrams per litre | Special Frequency 1     | 1                        | 22/09/2021             | 12                  | 12             | 12                   | 30            |

Comments:

**Monitoring Point 4: Ambient water monitoring**

| Pollutant   | Unit of Measure | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------|-----------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Temperature | Degrees Celsius | Continuous              | Continuous               | NA                     | 16.6                | 21.2           | 24.0                 | NA*           |



Notes: \*Tallawarra does not have water quality licence limits for ambient water quality monitoring in its EPL. ANZECC Guidelines apply to receiving waters

Comments: Periods where the plant is offline or Thermoshock is active have been removed from this data set.

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**Discharge and Monitoring Point 5: Discharge water quality monitoring**

| Pollutant   | Unit of Measure | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------|-----------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Temperature | Degrees Celsius | Continuous              | Continuous               | NA                     | 16.8                | 22.5           | 29.2                 | 35            |

Comments: Periods where the plant is offline have been removed from this data set.

**Monitoring Point 6: Ambient water monitoring**

| Pollutant   | Unit of Measure | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------|-----------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Temperature | Degrees Celsius | Continuous              | Continuous               | NA                     | 16.6                | 20.9           | 27.9                 | NA*           |

Comments: n/a



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**Monitoring Point 7: Ambient water monitoring**

| Pollutant   | Unit of Measure | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------|-----------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Temperature | Degrees Celsius | Continuous              | Continuous               | NA                     | 16.6                | 20.5           | 23.2                 | NA*           |

Comments: n/a

**Monitoring Point 8: Discharge water monitoring**

| Pollutant                           | Unit of Measure      | No. of Samples required  | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------------------------------|----------------------|--------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Copper                              | micrograms per litre | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |
| Nitrogen (total)                    | milligrams per litre | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |
| pH                                  | pH                   | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |
| Total Phosphorous - filtered sample | milligrams per litre | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |
| Total suspended solids              | milligrams per litre | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |
| Zinc                                | micrograms per litre | Monthly during discharge | 0                        | -                      | -                   | -              | -                    | NA*           |

Notes: \*Tallawarra does not have water quality licence limits for ambient water quality monitoring in its EPL. ANZECC. Guidelines apply to receiving waters

Comments: No discharge this month.



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**Discharge and Monitoring Point 9: Air emissions monitoring**

| Pollutant                  | Unit of Measure            | No. of Samples required | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|----------------------------|----------------------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Carbon dioxide             | %                          | Continuous              | **                       | NA                     | 0.0                 | 3.6            | 4.3                  | NA            |
| Moisture content           | Percent                    | Continuous              | **                       | NA                     | 7.2                 | 8.1            | 8.6                  | NA            |
| Nitrogen oxides            | parts per million          | Continuous              | **                       | NA                     | 4.4                 | 12.9           | 22.7                 | 25            |
| Oxygen (O2)                | Percent                    | Continuous              | **                       | NA                     | 12.9                | 13.3           | 14.0                 | NA            |
| Solid particles            | milligrams per cubic metre | Yearly                  | 1                        | 9/11/2021              | -                   | <0.4           | -                    | 10            |
| Sulphur dioxide            | parts per million          | Yearly                  | 1                        | 9/11/2021              | -                   | <2             | -                    | 3             |
| Temperature                | Degrees Celsius            | Continuous              | **                       | NA                     | 73.9                | 86.5           | 96.5                 | NA            |
| Volatile organic compounds | parts per million          | Yearly                  | 1                        | 9/11/2021              | -                   | 0.0079         | -                    | NA            |
| Volumetric flow rate       | cubic metres per second    | Continuous              | **                       | NA                     | 246.8               | 353.0          | 428.3                | NA            |

Notes: \* equipment detection limit

Comments: n/a



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### B3 Volume or Mass Monitoring Summary

#### *Monitoring Point 3: Sewage volume monitoring*

| Pollutant | Unit of Measure    | No. of Samples required | No. of samples collected | Date Samples collected | Lowest result | Mean result | Highest result | Licence Limit |
|-----------|--------------------|-------------------------|--------------------------|------------------------|---------------|-------------|----------------|---------------|
| Sewage    | Kilolitres per day | Continuous              | **                       | NA                     | 0             | 0           | 0              | 100           |

Notes: \*\* Continuous data recorded via inline flow meter

Comments: