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13 September 2024

## B Monitoring and Complaints Summary

Period: 1/08/2024 to 1/09/2024

### 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>

### 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     | 0                        | -                      | -                   | -              | -                    | 20            |
| Total suspended solids    | milligrams per litre | Special Frequency 1     | 0                        | -                      | -                   | -              | -                    | 30            |

Comments:

**Monitoring Point 4: Ambient water monitoring**



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| 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                     | 11.1                | 14.7           | 17.3                 | 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                     | 7.5                 | 12.6           | 18.0                 | 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                     | 10.4                | 15.6           | 18.7                 | 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                     | 11.4                | 15.7           | 18.0                 | 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                        | -                      | 0                   | 0              | 0                    | NA*           |
| Nitrogen (total)                    | milligrams per litre | Monthly during discharge | 0                        | -                      | 0                   | 0              | 0                    | NA*           |
| pH                                  | pH                   | Monthly during discharge | 0                        | -                      | 0                   | 0              | 0                    | NA*           |
| Total Phosphorous - filtered sample | milligrams per litre | Monthly during discharge | 0                        | -                      | 0                   | 0              | 0                    | NA*           |
| Total suspended solids              | milligrams per litre | Monthly during discharge | 0                        | -                      | 0                   | 0              | 0                    | NA*           |
| Zinc                                | micrograms per litre | Monthly during discharge | 0                        | -                      | 0                   | 0              | 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 | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|--------------------------|-------------------------|-------------------------|---------------------|----------------|----------------------|---------------|
| Moisture content         | Percent                 | Continuous              | 7.3                 | 8.2            | 8.5                  | NA            |
| Nitrogen oxides          | parts per million       | Continuous              | 7.5                 | 10.4           | 18.1                 | 25            |
| Oxygen (O <sub>2</sub> ) | Percent                 | Continuous              | 12.4                | 13.3           | 14.1                 | NA            |
| Temperature              | Degrees Celsius         | Continuous              | 77.2                | 90.9           | 97.0                 | NA            |
| Volumetric flow rate     | cubic metres per second | Continuous              | 251.4               | 378.5          | 434.9                | NA            |



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**Discharge and Monitoring Point 13: Air emissions monitoring**

| Pollutant                | Unit of Measure         | No. of Samples required | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|--------------------------|-------------------------|-------------------------|---------------------|----------------|----------------------|---------------|
| Moisture content         | Percent                 | Continuous              | 10.0                | 10.0           | 10.0                 | NA            |
| Nitrogen oxides          | parts per million       | Continuous              | 11.0                | 12.7           | 17.1                 | 25            |
| Oxygen (O <sub>2</sub> ) | Percent                 | Continuous              | 13.1                | 13.4           | 13.7                 | NA            |
| Temperature              | Degrees Celsius         | Continuous              | 610.8               | 652.9          | 665.1                | NA            |
| Velocity                 | Meters per second       | Continuous              | 34.2                | 46.8           | 60.2                 | NA            |
| Volumetric flow rate     | cubic metres per second | Continuous              | 298.9               | 413.5          | 537.1                | NA            |

Notes: Moisture content substituted for conservative value of 10%



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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: No discharge this month