



**EnergyAustralia**  
LIGHT THE WAY

## B Monitoring and Complaints Summary

Period: 1/04/2017 to 1/05/2017

### 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>

17 May 2017

### 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                        | 4/04/2017              | 6                   | 6              | 6                    | 20            |
| Total suspended solids    | milligrams per litre | Special Frequency 1     | 1                        | 4/04/2017              | 26                  | 26             | 26                   | 30            |

Comments: n/a

**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                     | 15.5                | 19.8           | 21.9                 | 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.

4 July 2017

**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                     | 18.1                | 21.3           | 29.5                 | 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                     | 17.4                | 20.6           | 22.7                 | NA*           |

Comments: n/a



4 July 2017

**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                     | 17.5                | 20.3           | 23.1                 | 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 Phosporous - 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.



**EnergyAustralia**  
LIGHT THE WAY

4 July 2017

**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                     | 3.9                 | 4.2            | 4.8                  | NA            |
| Moisture content           | Percent                    | Continuous              | **                       | NA                     | 9.5                 | 10.0           | 10.8                 | NA            |
| Nitric oxide               | parts per million          | Continuous              | **                       | NA                     | 0.0                 | 5.2            | 19.9                 | NA            |
| Nitrogen dioxide           | parts per million          | Continuous              | **                       | NA                     | 0.0                 | 0.9            | 3.3                  | NA            |
| Nitrogen oxides            | parts per million          | Continuous              | **                       | NA                     | 0.1                 | 6.0            | 23.3                 | 25            |
| Oxygen (O2)                | Percent                    | Continuous              | **                       | NA                     | 12.5                | 13.4           | 14.0                 | NA            |
| Solid particles            | milligrams per cubic metre | Yearly                  | 1                        | 13/12/2016             | <1                  | <1             | <1                   | 10            |
| Sulphur dioxide            | parts per million          | Yearly                  | 1                        | 13/12/2016             | <2                  | <2             | <2                   | 3             |
| Temperature                | Degrees Celsius            | Continuous              | **                       | NA                     | 78.3                | 87.6           | 99.5                 | NA            |
| Volatile organic compounds | parts per million          | Yearly                  | 1                        | 13/12/2016             | 0.17                | 0.17           | 0.17                 | NA            |
| Volumetric flow rate       | cubic metres per second    | Continuous              | **                       | NA                     | 246.7               | 356.3          | 444.9                | NA            |

Notes: \* equipment detection limit

Comments: Some negative NO and NO2 values were recorded during the month. These values have been recorded as zeroes.



**EnergyAustralia**

LIGHT THE WAY

4 July 2017

**Monitoring Point 10: Ambient air 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 |
|------------------|---------------------------|-------------------------|--------------------------|------------------------|---------------------|----------------|----------------------|---------------|
| Nitric oxide     | parts per hundred million | Continuous              | **                       | NA                     | -0.1                | 0.1            | 1.0                  | NA            |
| Nitrogen dioxide | parts per hundred million | Continuous              | **                       | NA                     | 0.0                 | 0.4            | 1.6                  | NA            |
| Nitrogen oxides  | parts per hundred million | Continuous              | **                       | NA                     | 0.0                 | 0.5            | 2.1                  | NA            |
| Ozone            | parts per hundred million | Continuous              | **                       | NA                     | 0.1                 | 1.8            | 4.3                  | NA            |

Comments:



**EnergyAustralia**  
LIGHT THE WAY

4 July 2017

**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             | 16          | 25             | 100           |

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

Comments: