B Monitoring and Complaints Summary

Period: 1/01/2019 to 1/02/2019

B1 Number of Pollution Complaints 0

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| Energy Australia |

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| 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&st

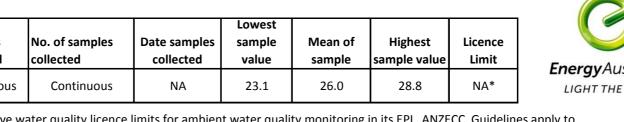
 atus=Issued

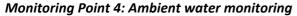
B2 Concentration Monitoring Summary

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: No effluent irrigated this month.





| | | No. of | | | Lowest | | | |
|-------------|---------|------------|----------------|--------------|--------|---------|--------------|---------|
| | Unit of | Samples | No. of samples | Date samples | sample | Mean of | Highest | Licence |
| Pollutant | Measure | required | collected | collected | value | sample | sample value | Limit |
| | Degrees | Cantinuan | Cantinuan | | 22.4 | 26.0 | 20.0 | |
| Temperature | Celsius | Continuous | Continuous | NA | 23.1 | 26.0 | 28.8 | NA* |



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

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

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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 | 23.6 | 27.5 | 31.5 | 35 |

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

Monitoring Point 6: Ambient water monitoring

| Pollutant | Unit of Measure | 1 · | No. of samples collected | Date samples collected | Lowest sample value | Mean of sample | Highest sample value | Licence Limit |
|-------------|--------------------|------------|--------------------------|---------------------------|---------------------------|-------------------|-------------------------|------------------|
| Temperature | Degrees Celsius | Continuous | Continuous | NA | 23.9 | 28.0 | 32.4 | NA* |

Comments: n/a

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Monitoring Point 7: Ambient water monitoring

| | | No. of | | | Lowest | | | |
|-------------|---------|------------|----------------|--------------|--------|---------|--------------|---------|
| | Unit of | Samples | No. of samples | Date samples | sample | Mean of | Highest | Licence |
| Pollutant | Measure | required | collected | collected | value | sample | sample value | Limit |
| | Degrees | Cantinuan | Cantinuan | | 22.5 | 27.2 | 20.0 | |
| Temperature | Celsius | Continuous | Continuous | NA | 23.5 | 27.3 | 30.8 | 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 | discharge | 0 | - | - | - | - | NA* | 18 |
| рН | рН | Monthly during discharge | 0 | - | - | - | - | NA* | |
| Total Phosporous - filtered sample | milligrams per litre | discharge | 0 | - | - | - | - | NA* | |
| Total suspended solids | milligrams per litre | discharge | 0 | - | - | - | - | NA* | |
| Zinc | micrograms per litre | Monthly during discharge | 0 | - | - | - | - | NA* | |



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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.

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 | 4.0 | 4.6 | 4.8 | NA |
| Moisture content | Percent | Continuous | ** | NA | 9.6 | 10.6 | 10.9 | NA |
| Nitric oxide | parts per million | Continuous | ** | NA | 11.8 | 20.1 | 26.0 | NA |
| Nitrogen dioxide | parts per million | Continuous | ** | NA | 3.0 | 3.6 | 6.9 | NA |
| Nitrogen oxides | parts per million | Continuous | ** | NA | 14.2 | 17.5 | 24.2 | 25 |
| Oxygen (O2) | Percent | Continuous | ** | NA | 12.5 | 12.8 | 13.9 | NA |
| Solid particles | milligrams per cubic metre | Yearly | 1 | 6/03/2018 | - | <0.7 | - | 10 |
| Sulphur dioxide | parts per million | Yearly | 1 | 6/03/2018 | - | <1 | - | 3 |
| Temperature | Degrees Celsius | Continuous | ** | NA | 79.8 | 91.4 | 97.6 | NA |
| Volatile organic compounds | parts per million | Yearly | 1 | 6/03/2018 | - | <1 | - | NA |
| Volumetric flow rate | cubic metres per second | Continuous | ** | NA | 267.8 | 390.2 | 445.9 | NA |



Notes: * equipment detection limit

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



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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.