



EnergyAustralia

23 May 2016

## B Monitoring and Complaints Summary

Period: 1/04/2016 to 1/05/2016

### 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	4/year	0	-	-	-	-	20
Total suspended solids	milligrams per litre	4/year	0	-	-	-	-	30

Comments: No effluent irrigated this month

**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	16.0	21.3	34.8	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: A high sample value may be recorded at this monitoring point, due to it's location within the plant Thermoshock system. These high sample values are not representative of ambient conditions

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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	16.4	22.0	27.7	35

Comments:

**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	18.9	21.9	26.0	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	19.5	21.5	24.0	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	-	-	-	-	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 water discharged 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	3.8	4.0	4.7	NA
Moisture content	Percent	Continuous	**	NA	9.5	9.8	10.6	NA
Nitric oxide	parts per million	Continuous	**	NA	0.0	0.4	6.2	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	0.0	0.2	1.2	NA
Nitrogen oxides	parts per million	Continuous	**	NA	0.0	0.5	7.4	25
Oxygen (O2)	Percent	Continuous	**	NA	12.7	13.7	14.0	NA
Solid particles	milligrams per cubic metre	Yearly	1	27/11/2015	<0.13	<0.13	<0.13	10
Sulphur dioxide	parts per million	Yearly	1	27/11/2015	<1.4	<1.4	<1.4	3
Temperature	Degrees Celsius	Continuous	**	NA	76.6	82.9	98.4	NA
Volatile organic compounds	parts per million	Yearly	1	27/11/2015	<0.0088	<0.0088	<0.0088	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	253.2	300.4	445.1	NA

Notes: \* equipment detection limit

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

\* Some missing intermittent data due to communication problems for the month. Data Capture rates remained acceptable.



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**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	0.0	1.9	NA
Nitrogen dioxide	parts per hundred million	Continuous	**	NA	0.0	0.3	3.5	NA
Nitrogen oxides	parts per hundred million	Continuous	**	NA	0.0	0.3	4.6	NA
Ozone	parts per hundred million	Continuous	**	NA	0.0	1.5	6.6	NA

Comments: \*Automatic overnight span/zero checks for Oxides of Nitrogen performed every night between 01:00 - 01:50  
 \*Automatic overnight span/zero checks for Ozone performed and stabilisation every night between 02:00 - 02:40  
 Due to instrumentation faults, several maintenance periods occurred during the month, resulting in a capture rate of 88.2% for NO, NO<sub>2</sub> and NO<sub>x</sub>. Ozone capture rates were 96.2%

**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 sewage pumped this month



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