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## B Monitoring and Complaints Summary

Period: 1/12/2017 to 1/01/2018

### 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	0	-	-	-	-	20
Total suspended solids	milligrams per litre	Special Frequency 1	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	19.4	24.8	28.4	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	21.6	28.3	32.5	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	20.2	25.9	31.7	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	19.3	24.7	28.4	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.



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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	3.0	3.9	4.3	NA
Moisture content	Percent	Continuous	**	NA	8.2	9.5	10.1	NA
Nitric oxide	parts per million	Continuous	**	NA	3.0	12.4	20.1	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	0.6	2.2	10.5	NA
Nitrogen oxides	parts per million	Continuous	**	NA	4.7	14.7	23.5	25
Oxygen (O2)	Percent	Continuous	**	NA	13.3	14.0	15.4	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	76.3	87.9	98.4	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	264.3	455.4	544.5	NA

Notes: \* equipment detection limit

Comments: Some negative NO and NO<sub>2</sub> values were recorded during the month. These values have been recorded as zeroes. Stack testing is booked in for early 2018 and data will be amended for subsequent reports. There are no NO, NO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub>, H<sub>2</sub>O or O<sub>2</sub> data from 19/12/2017 11:00 through to 31/12/2017 23:59 due to a leak on the sample cooler unit. It has been determined that the leak was diluting the sample sufficiently to require removal of the data.



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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	0.0	0.1	1.6	NA
Nitrogen dioxide	parts per hundred million	Continuous	**	NA	0.1	0.5	3.0	NA
Nitrogen oxides	parts per hundred million	Continuous	**	NA	0.1	0.6	4.6	NA
Ozone	parts per hundred million	Continuous	**	NA	0.0	2.0	8.6	NA

Comments:



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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.