

B Monitoring and Complaints Summary

Period: 1/07/2024 to 1/08/2024

**EnergyAustralia**

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13 November 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: No irrigation

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	10.9	13.1	15.7	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	7.3	11.1	20.0	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	9.6	13.2	15.9	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	11.0	13.4	16.3	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	1	25/07/2024	<0.001	<0.001	<0.001	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	25/07/2024	0.8	0.8	0.8	NA*
pH	pH	Monthly during discharge	1	25/07/2024	7.4	7.4	7.4	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	25/07/2024	0.34	0.34	0.34	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	25/07/2024	8	8	8	NA*
Zinc	micrograms per litre	Monthly during discharge	1	25/07/2024	<0.005	<0.005	<0.005	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:



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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	7.4	8.3	8.7	NA
Nitrogen oxides	parts per million	Continuous	4.9	9.4	14.7	25
Oxygen (O2)	Percent	Continuous	7.2	12.6	14.1	NA
Temperature	Degrees Celsius	Continuous	75.1	89.9	98.0	NA
Volumetric flow rate	cubic metres per second	Continuous	192.0	369.3	440.4	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	11.7	12.9	16.3	25
Oxygen (O2)	Percent	Continuous	13.1	13.4	13.5	NA
Temperature	Degrees Celsius	Continuous	609.8	652.4	663.2	NA
Velocity	Meters per second	Continuous	38.1	42.2	59.9	NA
Volumetric flow rate	cubic metres per second	Continuous	338.3	372.0	535.6	NA

Notes: Moisture content substituted for conservative value of 10%


B3 Volume or Mass Monitoring Summary
Monitoring Point 3: Sewage volume monitoring

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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 irrigation