

B Monitoring and Complaints Summary

Period: 1/04/2015 to 1/05/2015



EnergyAustralia

18 May 2015

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	1	22/04/2015	-	4	-	20
Total suspended solids	milligrams per litre	4/year	1	22/04/2015	-	8	-	30

Comments: Most recent analysis is within discharge quality limits.

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	**	NA	9.2	17.4	40.7	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: **Temperature monitored continuously via online probe.

As the Power Station was offline for part of the month, Point 4 recorded higher and lower temps than usual due to exposure to ambient air.

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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	**	NA	13.8	21.4	29.5	35

Comments: **Temperature monitored continuously via online probe.

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	**	NA	15.6	19.3	24.7	NA*

Comments: **Temperature monitored continuously via buoy.

*Point 6 monitoring buoy broke it's mooring at 23/04/15 10:00 and subsequent data was excluded.

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	**	NA	15.9	19.1	22.9	NA*

Comments: **Temperature monitored continuously via buoy.



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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	22/04/2015	-	<1	-	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	22/04/2015	-	1.0	-	NA*
pH	pH	Monthly during discharge	1	22/04/2015	-	7.1	-	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	22/04/2015	-	0.04	-	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	22/04/2015	-	<5	-	NA*
Zinc	micrograms per litre	Monthly during discharge	1	22/04/2015	-	<5	-	NA*

Notes: *Tallawarra does not have water quality licence limites 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	No. of samples collected	Date samples collected	Lowest sample value	Mean of sample	Highest sample value	Licence Limit
Carbon dioxide	%	Continuous	**	NA	0.0	2.5	3.4	NA
Moisture content	Percent	Continuous	**	NA	5.0	8.8	15.8	NA
Nitric oxide	parts per million	Continuous	**	NA	0.0	4.6	9.8	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	0.0	0.6	4.6	NA
Nitrogen oxides	parts per million	Continuous	**	NA	0.0	3.3	11.8	25
Oxygen (O2)	Percent	Continuous	**	NA	6.3	15.0	20.5	NA
Solid particles	milligrams per cubic metre	Yearly	1	13/03/2015	<0.14	<0.14	<0.14	10
Sulphur dioxide	parts per million	Yearly	1	13/03/2015	<1.5	<1.5	<1.5	3
Temperature	Degrees Celsius	Continuous	**	NA	15.6	70.4	91.5	NA
Volatile organic compounds	parts per million	Yearly	1	13/03/2015	<1.5	<1.5	<1.5	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	0.0	267.3	493.8	NA

Notes: * equipment detection limit
 ** Continuous data reported based on hourly average CEMS data

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



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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	1.5	NA
Nitrogen dioxide	parts per hundred million	Continuous	**	NA	0.0	0.2	2.1	NA
Nitrogen oxides	parts per hundred million	Continuous	**	NA	0.0	0.3	3.0	NA
Ozone	parts per hundred million	Continuous	**	NA	0.1	1.7	3.6	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
 *Instrument calibration 29/04/2015 09:25 to 10:20



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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	9	34	100

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