



## B Monitoring and Complaints Summary

### B1 Number of Pollution Complaints

Pollution Category	Number of Complaints
Air	0
Water	0
Noise	0
Waste	0
Other	0

### 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	0					20
Total suspended solids	milligrams per litre	4	0					30

Comments: No spray irrigation occurred during the month of June 2012 therefore no effluent quality monitoring was conducted. Sampling needs to be conducted quarterly and TRUenergy have had samples taken this year.



**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	11.1	13	37.85	NA*

Comments: \* Tallawarra does not have water quality licence limits for ambient water quality monitoring in its EPL. ANZECC Guidelines apply to receiving waters.  
High temperatures in the inlet waters are a result from the station's thermoshock process and by no way impact the receiving waters of Lake Illawarra.

**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	15.2	17.2	21.7	35

Comments: NA

**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	9.93	13.79	17.15	NA*

Comments: NA

**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	11.68	13.45	15.74	NA*



Comments: NA

**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	13/06/2012	NA	<0.001	NA	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	13/06/2012	NA	0.8	NA	NA*
pH	pH	Monthly during discharge	1	13/06/2012	NA	7.9	NA	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	13/06/2012	NA	0.06	NA	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	13/06/2012	NA	5	NA	NA*
Zinc	micrograms per litre	Monthly during discharge	1	13/06/2012	NA	<0.005	NA	NA*

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



**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	Percent	Continuous	**	NA	3.8	4.2	4.8	NA
Moisture content	Percent	Continuous	**	NA	8.7	10	10.8	NA
Nitric oxide	parts per million	Continuous	**	NA	0	7.8	27.7	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	2.5	9.4	15.8	NA
Nitrogen oxides	parts per million	Continuous	**	NA	1.4	7.8	23.5	25
Oxygen (O2)	Percent	Continuous	**	NA	12.5	13.4	14	NA
Solid particles	milligrams per cubic metre	Yearly	1	2/02/2012	NA	0.38	NA	10
Sulphur dioxide	parts per million	Yearly	1	2/02/2012	<1.8*	<1.8*	<1.8	3
Temperature	Degrees Celsius	Continuous	**	NA	66.1	76.7	88.1	NA
Volatile organic compounds	parts per million	Yearly	1	2/02/2012	NA	<1.6*	NA	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	383.9	519.4	702.9	NA

Notes:

\* equipment detection limit

\*\* Continuous data reported based on hourly average CEMS data

Comments: NA

**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	549	NA	0	0.001	0.075	NA
Nitrogen dioxide	parts per hundred million	Continuous	549	NA	0	0.305	2.5	NA
Nitrogen oxides	parts per hundred million	Continuous	549	NA	0	0.004	0.095	NA
Ozone	parts per hundred million	Continuous	684	NA	0	0.015	0.036	NA

Comments: NA

**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	NA	NA	0.03	NA	100

Comments: Flowmeter checked weekly

