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	· -	•	•	 Mean of	Highest sample value	Licence Limit
Biochemical oxygen demand	milligrams per litre	4	0				20
Total suspended solids		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 quaterly and TRUenergy have had samples taken this year.

TRUenergy Tallawarra EPL Data

Monitoring Point 4: Ambient water monitoring

		No. of			Lowest		Highest	
	Unit of	Samples	No. of samples	Date samples	sample	Mean of	sample	Licence
Pollutant	Measure	required	collected	collected	value	sample	value	Limit
	Degrees	Continuous	Continuous	NIA	11 1	12	27.05	NIA*
Temperature	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

			No. of			Lowest		Highest	
		Unit of	Samples	No. of samples	Date samples	sample	Mean of	sample	Licence
Polluta	ant	Measure	required	collected	collected	value	sample	value	Limit
		Degrees	Cambina	Continuous	NIA	15.2	17.2	24.7	25
Tempe	erature	Celsius	Continuous	Continuous	NA	15.2	17.2	21.7	35

Comments: NA

Monitoring Point 6: Ambient water monitoring

Polluta	ant	Unit of		•	Date samples collected	Lowest sample value	_	Highest sample value	Licence Limit
Tempe	erature	Degrees Celsius	Continuous	Continuous	NA	9.93	13.79	17.15	NA*

Comments: NA

Monitoring Point 7: Ambient water monitoring

ſ			No. of			Lowest		Highest	
		Unit of	Samples	No. of samples	Date samples	sample	Mean of	sample	Licence
	Pollutant	Measure	required	collected	collected	value	sample	value	Limit
Ī		Degrees	Combinuous	Continuous	NIA	11.60	12.45	15.74	NIA*
Ľ	Temperature	Celsius	Continuous	Continuous	NA	11.68	13.45	15.74	NA*



Comments:

Monitoring Point 8: Discharge water monitoring

NA

Pollutant	Unit of Measure	No. of Samples required	No. of samples	Date samples collected	Lowest sample value	Mean of sample	Highest sample value	Licence Limit
		Monthly						
	micrograms	during	1	13/06/2012	NA	<0.001	NA	NA*
Copper	per litre	discharge						
		Monthly						
	milligrams per	during	1	13/06/2012	NA	0.8	NA	NA*
Nitrogen (total)	litre	discharge						
		Monthly						
		during	1	13/06/2012	NA	7.9	NA	NA*
pН	pН	discharge						
Total		Monthly						
Phosporous -	milligrams per	during	1	13/06/2012	NA	0.06	NA	NA*
filtered sample	litre	discharge						
intereu sample	iitie	Monthly						
Total suspended	milligrams per	during	1	13/06/2012	NA	5	NA	NA*
solids	litre	discharge	_	13/00/2012	INA		INA	INA
		Monthly						
	micrograms	during	1	13/06/2012	NA	<0.005	NA	NA*
Zinc	per litre	discharge		==, ==, ====				

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



TRUenergy Tallawarra EPL Data

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 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