



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 May 2012 therefore no effluent quality monitoring was conducted.

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	12.4	15.5	40.2	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	16.4	19.7	26.9	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	12.45	16.39	22.28	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	12.94	15.84	19.07	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	23/05/2012	NA	<0.001	NA	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	23/05/2012	NA	0.8	NA	NA*
pH	pH	Monthly during discharge	1	23/05/2012	NA	7.5	NA	NA*
Total Phosporous - filtered sample	milligrams per litre	Monthly during discharge	1	23/05/2012	NA	0.07	NA	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	23/05/2012	NA	5	NA	NA*
Zinc	micrograms per litre	Monthly during discharge	1	23/05/2012	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	1.2	4.2	4.9	NA
Moisture content	Percent	Continuous	**	NA	6.3	10	14.6	NA
Nitric oxide	parts per million	Continuous	**	NA	0	5.8	23.3	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	1.4	8.3	17.3	NA
Nitrogen oxides	parts per million	Continuous	**	NA	1.3	7.4	20.1	25
Oxygen (O2)	Percent	Continuous	**	NA	7.9	13.5	18.8	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	68.5	79.1	88.6	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	371.5	545.9	704	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	577	NA	0	0.001	0.089	NA
Nitrogen dioxide	parts per hundred million	Continuous	577	NA	0	0.004	0.038	NA
Nitrogen oxides	parts per hundred million	Continuous	577	NA	0	0.05	0.111	NA
Ozone	parts per hundred million	Continuous	744	NA	0	0.013	0.049	NA

Comments:

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	NA	100

Comments: No spary irrigation occurred during the month of May 2012.