

B Monitoring and Complaints Summary

B1 Number of Pollution Complaints 0

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



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14 December 2012

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	1	-	-	-	-	-
Total suspended solids	milligrams per litre	4	1	-	-	-	-	-

Comments: No spray irrigation occurred during the month of December 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	2977	NA	19.9	23.3	40.9	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: N/A

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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	2977	NA	23.5	27.6	31.9	35

Comments: N/A

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	2977	NA	19.5	24.2	29.0	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	2977	NA	20.5	23.3	26.4	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	12/12/2012	-	1	-	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	12/12/2012	-	1.8	-	NA*
pH	pH	Monthly during discharge	1	12/12/2012	-	7.60	-	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	12/12/2012	-	0.40	-	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	12/12/2012	-	6	-	NA*
Zinc	micrograms per litre	Monthly during discharge	1	12/12/2012	-	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: N/A



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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	Percent	Continuous	**	NA	0.0	4.4	4.6	NA
Moisture content	Percent	Continuous	**	NA	5.0	10.2	16.4	NA
Nitric oxide	parts per million	Continuous	**	NA	0.0	14.9	24.3	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	0.0	2.3	4.4	NA
Nitrogen oxides	parts per million	Continuous	**	NA	0.1	13.2	21.9	25
Oxygen (O2)	Percent	Continuous	**	NA	5.7	13.2	20.7	NA
Solid particles	milligrams per cubic metre	Yearly	0		-	-	-	10
Sulphur dioxide	parts per million	Yearly	0		-	-	-	3
Temperature	Degrees Celsius	Continuous	**	NA	80.9	89.2	93.3	NA
Volatile organic compounds	parts per million	Yearly	0		-	-	-	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	242.9	396.3	493.8	NA

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

Comments: N/A



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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	709	NA	-0.1	0.1	1.7	NA
Nitrogen dioxide	parts per hundred million	Continuous	709	NA	0.1	0.4	2.9	NA
Nitrogen oxides	parts per hundred million	Continuous	709	NA	0.1	0.5	3.0	NA
Ozone	parts per hundred million	Continuous	709	NA	-0.1	1.7	5.2	NA

Comments: *Automatic overnight span/zero checks performed every night between 01:00 - 01:45
 *Data intermittently affected by calibration, between 01:35 - 02:00
 *Monthly maintenance was performed on the NO/NO₂/NO_x and O₃ analysers 10/12/2012 11:30 to 14:55
 *An unrealistic negative data value was excluded on 17/12/2012 22:10 to 22:15

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	0.0	0.0	0.0	100

Notes: ** Continuous data recorded via inline flow meter
 Comments: No spray irrigation occurred during the month of November 2012



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