

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



EnergyAustralia

10 October 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 June 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	15.5	19.6	41.2	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:

10 October 2012

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	14.7	23.4	30.3	35

Comments:

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	16.5	20.6	25.6	NA*

Comments:

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	16.0	19.6	22.8	NA*

Comments:



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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	10/10/2012	-	1	-	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	10/10/2012	-	1.5	-	NA*
pH	pH	Monthly during discharge	1	10/10/2012	-	7.60	-	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	10/10/2012	-	0.44	-	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	10/10/2012	-	5	-	NA*
Zinc	micrograms per litre	Monthly during discharge	1	10/10/2012	-	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:



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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	2.3	4.4	4.9	NA
Moisture content	Percent	Continuous	**	NA	9.3	10.3	12.5	NA
Nitric oxide	parts per million	Continuous	**	NA	0.1	12.3	21.5	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	0.0	2.0	4.3	NA
Nitrogen oxides	parts per million	Continuous	**	NA	0.5	10.9	22.5	25
Oxygen (O2)	Percent	Continuous	**	NA	10.6	13.1	14.2	NA
Solid particles	milligrams per cubic metre	Yearly	0		-	-	-	10
Sulphur dioxide	parts per million	Yearly	0		-	-	-	3
Temperature	Degrees Celsius	Continuous	**	NA	61.4	87.3	93.3	NA
Volatile organic compounds	parts per million	Yearly	0		-	-	-	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	246.5	398.3	437.1	NA

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

Comments:

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	680	NA	0.0	0.1	3.0	NA
Nitrogen dioxide	parts per hundred million	Continuous	680	NA	0.0	0.4	3.3	NA
Nitrogen oxides	parts per hundred million	Continuous	680	NA	0.0	0.5	4.3	NA
Ozone	parts per hundred million	Continuous	680	NA	-0.1	2.1	4.4	NA

Comments: *The NO/NO₂/NO_x analyser faulted in calibration mode twice during the reporting period, resulting in approximately 32 hours of data being deemed invalid.

*Monthly maintenance was performed on the NO/NO₂/NO_x and O₃ analysers 23/10/2012 14:00 to 15:11

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	31	NA	0.0	0.0	0.0	100

Notes: *

Comments:



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