

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

12 December 2013

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	20/11/2013	NA	3.0	NA	20
Total suspended solids	milligrams per litre	4	1	20/11/2013	NA	10.0	NA	30

Comments:

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	**	NA	18.5	21.3	40.1	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: **Temperature monitored continuously via online probe.

12 December 2013

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	**	NA	20.8	24.8	31.0	35

Comments: **Temperature monitored continuously via online probe.

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	**	NA	18.6	22.0	26.0	NA*

Comments: **Temperature monitored continuously via buoy.



EnergyAustralia

12 December 2013

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	**	NA	18.3	21.2	24.0	NA*

Comments: **Temperature monitored continuously via buoy.

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	20/11/2013	NA	2	NA	NA*
Nitrogen (total)	milligrams per litre	Monthly during discharge	1	20/11/2013	NA	1.2	NA	NA*
pH	pH	Monthly during discharge	1	20/11/2013	NA	7.50	NA	NA*
Total Phosphorous - filtered sample	milligrams per litre	Monthly during discharge	1	20/11/2013	NA	0.37	NA	NA*
Total suspended solids	milligrams per litre	Monthly during discharge	1	20/11/2013	NA	14	NA	NA*
Zinc	micrograms per litre	Monthly during discharge	1	20/11/2013	NA	<5	NA	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:



EnergyAustralia

12 December 2013

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	%	Continuous	**	NA	0.6	3.4	3.8	NA
Moisture content	Percent	Continuous	**	NA	9.2	10.2	15.2	NA
Nitric oxide	parts per million	Continuous	**	NA	0.2	11.3	15.9	NA
Nitrogen dioxide	parts per million	Continuous	**	NA	1.4	2.3	9.2	NA
Nitrogen oxides	parts per million	Continuous	**	NA	7.7	13.7	18.7	25
Oxygen (O2)	Percent	Continuous	**	NA	7.1	13.2	14.6	NA
Solid particles	milligrams per cubic metre	Yearly	1	17/04/2013	-	<0.5	-	10
Sulphur dioxide	parts per million	Yearly	1	17/04/2013	-	<1	-	3
Temperature	Degrees Celsius	Continuous	**	NA	79.8	89.5	92.3	NA
Volatile organic compounds	parts per million	Yearly	1	17/04/2013	-	<1	-	NA
Volumetric flow rate	cubic metres per second	Continuous	**	NA	215.6	444.0	471.3	NA

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

Comments:



EnergyAustralia

12 December 2013

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	**	NA	0.0	0.1	3.1	NA
Nitrogen dioxide	parts per hundred million	Continuous	**	NA	0.0	0.4	3.1	NA
Nitrogen oxides	parts per hundred million	Continuous	**	NA	0.0	0.5	4.2	NA
Ozone	parts per hundred million	Continuous	**	NA	-0.1	1.8	7.6	NA

Comments: *Automatic overnight span/zero checks for Oxides of Nitrogen performed every night between 01:00 - 01:45
 *Automatic overnight span/zero checks for Ozone performed and stabilisation every night between 02:00 - 02:40
 *Scheduled 3 monthly maintenance - instrument calibration 14/11/2013 08:40 to 10:10 and 15/11/2013 09:10 to 11:25
 *intermittant data communication error 14/11/2013 16:45 to 17:05

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	10.8	84.0	100

Notes: ** Continuous data recorded via inline flow meter
 Comments:



EnergyAustralia

12 December 2013