



## RAYMOND TERRACE WASTEWATER TREATMENT WORKS - JUNE MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 217  
 Date Obtained: 6 July 2017  
 Date Published: 7 December 2017

Licensee Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

EPA Id. No. 2 Site Code 5DE1500		Site Description - At the discharge point at UV Disinfection										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 June 2017 to 30 June 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	<2	3	2	4	N/A	N/A	30	4	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	4	1	1	1	1	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Weekly	4	<0.05	0.08	0.06	0.17	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	4	1.40	2.6	2.8	3.4	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Fortnightly	2	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Weekly	4	0.08	0.21	0.21	0.34	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	4	<1	1	1	2	N/A	N/A	30	2	Yes
pH	pH	Weekly	4	7.10	7.25	7.22	7.44	N/A	N/A	6.50 - 8.50	7.10 - 7.44	Yes

EPA Id. No. 1 Site Code 5OV1500		Site Description - At the discharge from the No.2 Maturation Pond										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 June 2017 to 30 June 2017								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Daily during any Discharge	3	3	4	4	6	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Daily during any Discharge	3	1.8	2.6	3.0	3.1	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Daily during any Discharge	3	2.5	2.8	2.9	3.0	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Daily during any Discharge	3	5.5	6.7	7.1	7.4	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Daily during any Discharge	3	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Daily during any Discharge	3	0.39	0.41	0.41	0.43	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Daily during any Discharge	3	<1	7	8	12	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any Discharge	3	7.01	7.21	7.03	7.60	N/A	N/A	N/A	N/A	N/A

Pollutant	Measurement	Unit of Measurement	Monitoring Point	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason
Nitrogen (total)	Minimum	milligrams per litre	1	-	5.5	10/10/2017	21/07/2017	Reporting error
Nitrogen (total)	Mean	milligrams per litre	1	-	6.7	10/10/2017	21/07/2017	Reporting error
Nitrogen (total)	Median	milligrams per litre	1	-	7.1	10/10/2017	21/07/2017	Reporting error
Nitrogen (total)	Maximum	milligrams per litre	1	-	7.4	10/10/2017	21/07/2017	Reporting error