



RAYMOND TERRACE WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 217
 Date Obtained: 30 September 2013
 Date Published: 14 October 2013

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 year for licence reporting	Annual Summary 1 October 2012 to 30 September 2013														
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	Within Limits		
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	6	N/A	N/A	20	3	N/A	N/A	N/A	N/A	N/A	N/A	30	6	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	52	0	35	N/A	N/A	200	11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (ammonia)	milligrams per litre	Weekly	52	<0.02	2.5	N/A	N/A	3	1.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	52	0.05	9.20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Weekly	52	0.88	10.90	N/A	N/A	15	7.89	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Oil and Grease	milligrams per litre	Fortnightly	26	<5	<5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Weekly	52	<0.05	0.33	N/A	N/A	3	0.17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	52	<1	11	N/A	N/A	20	6	N/A	N/A	N/A	N/A	N/A	N/A	30	11	Yes
pH	pH	Weekly	52	6.90	7.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.5 - 8.5	6.9 - 7.52	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 year for licence reporting	Annual Summary 1 October 2012 to 30 September 2013															
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	Within Limits			
Biochemical Oxygen Demand	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during and Discharge	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* No overflows were recorded during licence period