



**RAYMOND TERRACE WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY**

Environment Protection Licence No. 217  
 Date Obtained: 6 October 2015  
 Date Published: 29 October 2015

Licensee Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

**QUALITY MONITORING**

EPA Id. No. 2 Site Code SDE1500		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	Annual Summary 1 October 2014 - 30 September 2015											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	100%ile Limit	100%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Minimum	3DGM Maximum
Biochemical Oxygen Demand	milligrams per litre	Weekly	53	<2	10	N/A	N/A	20	3	30	10	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	53	0	210	N/A	N/A	200	50	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Weekly	53	<0.05	3.10	N/A	N/A	3.00	0.45	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	53	0.50	8.80	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	Fortnightly	26	<5	<5	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	53	0.06	1.00	N/A	N/A	3.00	0.57	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	53	<1	11	N/A	N/A	20	7	30	11	N/A	N/A	N/A	N/A
pH	pH	Weekly	53	6.60	8.00	N/A	N/A	N/A	N/A	6.50 - 8.50	6.60 - 8.00	N/A	N/A	N/A	N/A

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 #	Annual Summary 1 October 2014 - 30 September 2015											
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	100%ile Limit	100%ile Actual	3DGM Limit	3DGM Number of Measurements	3DGM Minimum	3DGM Maximum
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
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
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
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
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
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
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
pH	pH	Daily during and Discharge	-	-	-	-	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# No samples were collected as no overflow occurred during the year