RAYMOND TERRACE WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 217
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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														
				Annual Summary 1 October 2015 - 30 September 2016											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting	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	52	<2	9	N/A	N/A	20	5	30	9	N/A	N/A	N/A	N/A
Faecal Coliforms	colony forming units per 100 mL	Weekly	52	0	1400	N/A	N/A	200	76	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Weekly	52	<0.05	1.7	N/A	N/A	3.00	0.5	N/A	N/A	N/A	N/A	N/A	N/A
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	52	0.39	10.1	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	<2	3	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	0.08	0.45	N/A	N/A	3.00	0.35	N/A	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	52	<1	10	N/A	N/A	20	6	30	10	N/A	N/A	N/A	N/A
pH	pH	Weekly	52	6.8	7.8	N/A	N/A	N/A	N/A	6.5 - 8.5	6.8 - 7.8	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														
				Annual Summary 1 October 2015 - 30 September 2016											
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the year for licence reporting #	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 any Discharge	3	2	5	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 any Discharge	3	1.0	1.6	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 any Discharge	3	1.2	1.4	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 any Discharge	3	<2	<2	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 any Discharge	3	0.17	0.30	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 any Discharge	3	9	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any Discharge	3	6.5	6.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A