RAYMOND TERRACE WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 217
Date Obtained: 5 October 2017
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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 2016 - 30 September 2017												
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	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	4	N/A	N/A	20	3	30	4	N/A	N/A	N/A	N/A	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	52	0	5600	N/A	N/A	200	41	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (ammonia)	milligrams per litre	Weekly	52	<0.05	0.97	N/A	N/A	3	0.15	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrogen (total)	milligrams per litre	Weekly	52	1.0	7.6	N/A	N/A	15	6.9	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	52	0.31	6.4	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	Fortnightly	26	<2	2	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	0.08	3.6	N/A	N/A	3	2.0	N/A	N/A	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	52	<1	13	N/A	N/A	20	7	30	13	N/A	N/A	N/A	N/A	Yes
pH	pH	Weekly	52	7.09	8.02	N/A	N/A	N/A	N/A	6.50 - 8.50	7.09 - 8.02	N/A	N/A	N/A	N/A	Yes

EPA Id. No. 1 Site Code 5OV1500	Site Description - At the discharge from the No.2 Maturation Pond															
				Annual Summary 1 October 2016 - 30 September 2017												
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	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Daily during any Discharge	3	3	6	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 any Discharge	3	1.8	3.1	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 any Discharge	3	2.5	3.0	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	Daily during any Discharge	3	5.5	7.4	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 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	N/A
Phosphorus (total)	milligrams per litre	Daily during any Discharge	3	0.39	0.43	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 any Discharge	3	<1	12	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 any Discharge	3	7.01	7.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A