



RAYMOND TERRACE WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 217
 Date Obtained: 5 October 2022
 Date Published: 20 February 2023

Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 50V1500		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 2021 - 30 September 2022										
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Daily during any Discharge	65	2	13	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	65	<0.05	5.09	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	65	0.06	2.72	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	65	3.3	8.8	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	65	<2	4	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	65	0.46	1.41	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	65	<1	36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any Discharge	65	6.84	10.10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Note: 4 missed samples due to flood waters preventing access to monitoring point

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 2021 - 30 September 2022										
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
Biochemical Oxygen Demand	milligrams per litre	Weekly	51	<2	14	N/A	N/A	20	3	N/A	N/A	30	14	Yes
Faecal Coliforms	colony forming units per 100 mL	Weekly	51	<1	~1600	N/A	N/A	200	250	N/A	N/A	N/A	N/A	No
Nitrogen (ammonia)	milligrams per litre	Weekly	51	<0.05	13.40	N/A	N/A	3	0.86	N/A	N/A	N/A	N/A	Yes
Nitrogen (total)	milligrams per litre	Weekly	51	1.4	15.30	N/A	N/A	15	4.5	N/A	N/A	N/A	N/A	Yes
Nitrate + Nitrite (oxidised nitrogen)	milligrams per litre	Weekly	51	0.11	4.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Weekly	51	<2	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Weekly	51	0.06	2.15	N/A	N/A	3	0.97	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	51	<1	12	N/A	N/A	20	5	N/A	N/A	30	12	Yes
pH	pH	Weekly	51	7.02	7.70	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	7.02 - 7.70	Yes

*Note: 1 missed samples due to flood waters preventing access to monitoring point

VOLUME MONITORING

Annual Summary 1 October 2021 - 30 September 2022								
Monitoring Point	Unit of Measurement	Sampling Frequency	No. of times measured during the year	Minimum	Mean	Maximum	Volume Limit	Within Limits?
Point 1 - At the discharge from the No.2 Maturation Pond	kilolitres per day	Daily	365	0	1,309	40,970	N/A	N/A
Point 2 - At the discharge point at UV Disinfection	kilolitres per day	Daily	365	4,179	8,968	12,725	90,000	Yes