KURRI KURRI WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1767
Date Obtained: 3 January 2017
Date Published: 23 January 2017

Licensee Hunter Water Corporation
36 Honeysuckle Drive
NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 2 Site Code 5DE3005	Site Description - In UV Disinfection Channel following UV Treatment													
			No. of times measured during the month for licence reporting	Annual Summary 1 January 2016 to 31 December 2016										
Pollutant	Unit of Measurement	Sampling Frequency		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	52	<2	9	20	2	35	4	N/A	N/A	45	9	Yes
Faecal Coliforms	colony forming units per 100 mL	Monthly	12	2	29000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	12	<0.05	0.72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	12	5.2	16.1	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
Phosphorus (total)	milligrams per litre	Weekly	52	0.034	2.0	N/A	N/A	2.0	0.7	N/A	N/A	N/A	N/A	Yes
Total Suspended Solids	milligrams per litre	Weekly	52	<1	11	25	2	50	6	N/A	N/A	70	11	Yes
pH	pH	Weekly	52	7.14	8.3	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	7.14 - 8.3	Yes

EPA Id. No. 1 Site Code 5OV1000	Site Description - Pipe from No.3 Maturation Pond													
			No. of times measured during the month for licence reporting	Annual Summary 1 January 2016 to 31 December 2016										
Pollutant	Unit of Measurement	Sampling Frequency		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	1	12	12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorophyll a	micrograms per litre	Daily during any Discharge	1	16.0	16.0	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	1	1.9	1.9	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	1	8.5	8.5	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	1	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	Daily during any Discharge	1	1.0	1.0	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	1	45	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any Discharge	1	7.0	7.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A