KURRI KURRI WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1767
Date Obtained: 12 January 2016
Date Published: 21 January 2016

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 2015 to 31 December 2015										
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	6	20	2	35	4	N/A	N/A	45	6	Yes
Faecal Coliforms	colony forming units per 100 mL	Monthly	12	<2	26000	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	1.20	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	4.6	14.3	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
Phosphorus (total)	milligrams per litre	Weekly	52	0.04	2.90	N/A	N/A	2.00	0.73	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids	milligrams per litre	Weekly	52	<1	25	25	1	50	5	N/A	N/A	70	25	Yes
pH	pH	Weekly	52	7.0	8.1	N/A	N/A	N/A	N/A	N/A	N/A	6.50 - 8.50	7.0 - 8.1	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 2015 to 31 December 2015										
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	5	4	13	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	5	16.2	90.9	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	5	1.80	5.40	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	5	6.3	11.8	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	5	<5	<5	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	5	0.61	1.30	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	5	27	66	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
pH	pH	Daily during any Discharge	5	7.0	7.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A