



KEARSLEY WASTEWATER TREATMENT WORKS - JUNE MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 4 July 2016
 Date Published: 20 July 2016

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

EPA Id. No. 1 Site Code 5SL2600		Site Description - Discharge from No.2 Oxidation Pond										
Pollutant	Unit of Measurement	Sampling Frequency	No. of times measured during the month for licence reporting	Monthly Summary 1 June 2016 to 30 June 2016								
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
pH	pH	Weekly	5	8.0	8.2	8.1	8.6	N/A	N/A	6.5 - 8.5	8.0 - 8.6	Yes *
Biochemical Oxygen Demand	milligrams per litre	Weekly	5	23	28	24	39	N/A	N/A	60	39	Yes
Total Suspended Solids	milligrams per litre	Weekly	5	69	92	74	127	N/A	N/A	70	127	Yes *
Chlorophyll a	micrograms per litre	Weekly	5	130	626	633	1000	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	1	5.4	5.4	5.4	5.4	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	1	17.1	17.1	17.1	17.1	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	1	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Monthly	1	7.7	7.7	7.7	7.7	N/A	N/A	N/A	N/A	N/A

*The licensee is not taken to have exceeded a quality limit specified in this licence for pH, BOD or TSS if the licensee shows that the level of chlorophyll-a in the oxidation ponds during any exceedance was 100 ug/L or more (showing that the exceedance was caused by excessive algal growth).