



KEARSLEY WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 4 April 2016
 Date Published: 20 April 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 year for licence reporting	Annual Summary 1 April 2015 to 31 March 2016										
				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
pH	pH	Weekly	52**	7.5	10.2	N/A	N/A	6.5 - 8.5	7.6 - 9.6	N/A	N/A	N/A	N/A	Yes*
Biochemical Oxygen Demand	milligrams per litre	Weekly	52**	<2	53	30	16	50	38	N/A	N/A	60	53	Yes*
Total Suspended Solids	milligrams per litre	Weekly	52**	<1	306	50	24	55	128	N/A	N/A	70	306	Yes*
Chlorophyll a	micrograms per litre	Weekly	52**	1.7	1920	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	19.9	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	6.4	26.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	12	<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	Monthly	12	3.1	7.5	N/A	N/A	N/A	N/A	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).

** One sample missed due to unsafe access to sample location during April 2015 East Coast Low storm event