



KEARSLEY WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 1 April 2014
 Date Published: 14 April 2014

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 2013 to 31 March 2014												
				Minimum	Maximum	50%ile Limit	50%ile Actual	90%ile Limit	90%ile Actual	3DGM Limit	3DGM Number of measurements	3DGM Minimum	3DGM Maximum	100%ile Limit	100%ile Actual	Within Limits
pH	pH	Weekly	52	6.99	10.10	N/A	N/A	6.5 - 8.5	7.66 - 9.60	N/A	N/A	N/A	N/A	N/A	N/A	Yes*
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	109	30	16	50	41	N/A	N/A	N/A	N/A	60	109	Yes*
Total Suspended Solids	milligrams per litre	Weekly	52	1	1420	50	35	55	128	N/A	N/A	N/A	N/A	70	1420	Yes*
Chlorophyll a	micrograms per litre	Weekly	52	5	8050	N/A	N/A	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	0.06	17.40	N/A	N/A	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	9.57	31.71	N/A	N/A	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	<5	<5	N/A	N/A	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	2.50	8.60	N/A	N/A	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).