



KEARSLEY WASTEWATER TREATMENT WORKS - JULY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 1 August 2016
 Date Published: 19 August 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 July 2016 to 31 July 2016									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual		
pH	pH	Weekly	4	7.6	7.8	7.7	8.0	N/A	N/A	6.5 - 8.5	7.6 - 8.0	Yes *	
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	12	18	17	27	N/A	N/A	60	27	Yes *	
Total Suspended Solids	milligrams per litre	Weekly	4	22	29	30	34	N/A	N/A	70	34	Yes *	
Chlorophyll a	micrograms per litre	Weekly	4	23.5	113	112	205	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	11.6	11.6	11.6	11.6	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1	15.3	15.3	15.3	15.3	N/A	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Monthly	1	3	3	3	3	N/A	N/A	N/A	N/A	N/A	
Phosphorus (total)	milligrams per litre	Monthly	1	5.2	5.2	5.2	5.2	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).