



## KEARSLEY WASTEWATER TREATMENT WORKS - DECEMBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 3232  
 Date Obtained: 4 January 2016  
 Date Published: 21 January 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 December 2015 to 31 December 2015									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual		
pH	pH	Weekly	5	8.2	8.9	8.7	9.5	N/A	N/A	N/A	N/A	N/A	
Biochemical Oxygen Demand	milligrams per litre	Weekly	5	13	20	18	27	N/A	N/A	60	27	Yes	
Total Suspended Solids	milligrams per litre	Weekly	5	21	108	63	306	N/A	N/A	70	306	Yes	
Chlorophyll a	micrograms per litre	Weekly	5	47.7	809.1	363.0	1920.0	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	1.40	1.40	1.40	1.40	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1	6.4	6.4	6.4	6.4	N/A	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Monthly	1	<5	<5	<5	<5	N/A	N/A	N/A	N/A	N/A	
Phosphorus (total)	milligrams per litre	Monthly	1	3.10	3.10	3.10	3.10	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).