



**KEARSLEY WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY**

Environment Protection Licence No. 3232  
 Date Obtained: 2 April 2013  
 Date Published: 12 April 2013

Licensee Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

**QUALITY MONITORING**

EPA Id. No. 1 Site Code SSL2600		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 2012 to 31 March 2013														
				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	7.29	10.24	N/A	N/A	6.5 - 8.5	7.51 - 9.55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes*	
Biochemical Oxygen Demand	milligrams per litre	Weekly	52	<2	75	30	13	50	34	N/A	N/A	N/A	N/A	N/A	N/A	60	75	Yes*
Total Suspended Solids	milligrams per litre	Weekly	52	<1	366	50	43	55	136	N/A	N/A	N/A	N/A	N/A	N/A	70	366	Yes*
Chlorophyll a	micrograms per litre	Weekly	52	<1	2130	N/A	N/A	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	0.05	18.50	N/A	N/A	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	6.43	37.26	N/A	N/A	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	N/A	N/A
Phosphorus (total)	milligrams per litre	Monthly	12	1.40	7.50	N/A	N/A	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).