



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

Environment Protection Licence No. 3232  
 Date Obtained: 3 October 2017  
 Date Published: 19 October 2017

**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 September 2017 to 30 September 2017									Within Limits
				Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual		
Biochemical Oxygen Demand	milligrams per litre	Weekly	4	13	31	34	42	N/A	N/A	60	42	Yes *	
Chlorophyll a	micrograms per litre	Weekly	4	140	612	559	1190	N/A	N/A	N/A	N/A	N/A	
Nitrogen (ammonia)	milligrams per litre	Monthly	1	7.0	7.0	7.0	7.0	N/A	N/A	N/A	N/A	N/A	
Nitrogen (total)	milligrams per litre	Monthly	1	22.9	22.9	22.9	22.9	N/A	N/A	N/A	N/A	N/A	
Oil and Grease	milligrams per litre	Monthly	1	<2	<2	<2	<2	N/A	N/A	N/A	N/A	N/A	
pH	pH	Weekly	4	8.37	8.79	8.61	9.56	N/A	N/A	N/A	N/A	N/A	
Phosphorus (total)	milligrams per litre	Monthly	1	8.1	8.1	8.1	8.1	N/A	N/A	N/A	N/A	N/A	
Total Suspended Solids	milligrams per litre	Weekly	4	17	65	75	94	N/A	N/A	70	94	Yes *	

\*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).