

KEARSLEY WASTEWATER TREATMENT WORKS - MAY MONTHLY POLLUTION MONITORING SUMMARY



Environment Protection Licence No. 3232
 Date Obtained: 4 June 2012
 Date Published: 28 June 2012

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	Monthly Summary 1 May 2012 to 31 May 2012								
			Minimum	Mean Value	Median Value	Maximum	3DGM Limit	3DGM Actual	100%ile Limit	100%ile Actual	Within Limits
pH	pH	Weekly	8.53	8.83	8.70	9.20	N/A	N/A	N/A	N/A	N/A
Biochemical Oxygen Demand	milligrams per litre	Weekly	17	25	27	31	N/A	N/A	60	31	Yes
Total Suspended Solids	milligrams per litre	Weekly	50	88	63	136	N/A	N/A	70	136	Yes*
Chlorophyll a	micrograms per litre	Weekly	395	681	529	1370	N/A	N/A	N/A	N/A	N/A
Nitrogen (ammonia)	milligrams per litre	Monthly	3.50	3.50	3.50	3.50	N/A	N/A	N/A	N/A	N/A
Nitrogen (total)	milligrams per litre	Monthly	16.18	16.18	16.18	16.18	N/A	N/A	N/A	N/A	N/A
Oil and Grease	milligrams per litre	Monthly	<5	<5	<5	<5	N/A	N/A	N/A	N/A	N/A
Phosphorus (total)	milligrams per litre	Monthly	5.80	5.80	5.80	5.80	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).