



KEARSLEY WASTEWATER TREATMENT WORKS - ANNUAL POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 30 March 2015
 Date Published: 16 April 2015

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 year for licence reporting | Annual Summary 1 April 2014 to 31 March 2015 | | | | | | | | | | |
| | | | | Minimum | Maximum | 50%ile Limit | 50%ile Actual | 90%ile Limit | 90%ile Actual | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| pH | pH | Weekly | 52 | 7.30 | 9.60 | N/A | N/A | 6.5 - 8.5 | 7.62 - 9.1 | N/A | N/A | N/A | N/A | Yes* |
| Biochemical Oxygen Demand | milligrams per litre | Weekly | 52 | <2 | 50 | 30 | 14 | 50 | 34 | N/A | N/A | 60 | 50 | Yes* |
| Total Suspended Solids | milligrams per litre | Weekly | 52 | <1 | 154 | 50 | 31 | 55 | 79 | N/A | N/A | 70 | 154 | Yes* |
| Chlorophyll a | micrograms per litre | Weekly | 52 | 4 | 1330 | 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 | 0.11 | 17.40 | 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 | 3.62 | 24.73 | 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 |
| Phosphorus (total) | milligrams per litre | Monthly | 12 | 3.00 | 8.00 | 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).