



KEARSLEY WASTEWATER TREATMENT WORKS - ANNUAL MONITORING SUMMARY

Environment Protection Licence No. 3232
 Date Obtained: 1 April 2014
 Date Published: 19 May 2014

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 2013 to 31 March 2014 | | | | | | | | | | | | |
| | | | | 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 | 6.99 | 10.10 | N/A | N/A | 6.5 - 8.5 | 7.68 - 9.60 | N/A | N/A | N/A | N/A | N/A | N/A | Yes* |
| Biochemical Oxygen Demand | milligrams per litre | Weekly | 52 | <2 | 109 | 30 | 15 | 50 | 41 | N/A | N/A | N/A | N/A | 60 | 109 | Yes* |
| Total Suspended Solids | milligrams per litre | Weekly | 52 | 1 | 1420 | 50 | 31 | 55 | 120 | N/A | N/A | N/A | N/A | 70 | 1420 | Yes* |
| Chlorophyll a | micrograms per litre | Weekly | 52 | 5 | 8050 | 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 | 0.06 | 17.40 | 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 | 9.57 | 31.71 | 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 |
| Phosphorus (total) | milligrams per litre | Monthly | 12 | 2.50 | 8.60 | 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).

CORRECTION LOG

| EPA Id. No. 1 Site Code 5SL2600 | | Site Description - Discharge from No.2 Oxidation Pond | | | | | | |
|------------------------------------|----------------------|---|---------------|----------------|---------------|----------------|---------------------------|------------------|
| Pollutant | Unit of Measurement | Original Data | | Corrected Data | | Date Corrected | Date Originally Published | Reason |
| | | 50%ile Actual | 90%ile Actual | 50%ile Actual | 90%ile Actual | | | |
| Biochemical Oxygen Demand | milligrams per litre | 16 | - | 15 | - | 14/05/2014 | 14/04/2014 | Data Entry Error |
| Total Suspended Solids | milligrams per litre | 35 | 128 | 31 | 120 | 14/05/2014 | 14/04/2014 | Data Entry Error |