



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

Environment Protection Licence No. 3232  
 Date Obtained: 4 September 2017  
 Date Published: 18 September 2017

**Licensee** Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

| EPA Id. No. 1<br>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<br>1 August 2017 to 31 August 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  | 5  | 24   | 30         | 31           | 37      | N/A        | N/A         | 60            | 37             | Yes * |               |
| Chlorophyll a                      | micrograms per litre | Weekly  | 5  | 295  | 827        | 700          | 1500    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Nitrogen (ammonia)                 | milligrams per litre | Monthly   | 1  | 11.2   | 11.2       | 11.2         | 11.2    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Nitrogen (total)                   | milligrams per litre | Monthly   | 1  | 19.9   | 19.9       | 19.9         | 19.9    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Oil and Grease                     | milligrams per litre | Monthly   | 1  | 8  | 8          | 8            | 8       | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| pH                                 | pH                   | Weekly  | 5  | 7.36   | 8.26       | 8.23         | 9.03    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Phosphorus (total)                 | milligrams per litre | Monthly   | 1  | 8.5  | 8.5        | 8.5          | 8.5     | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Total Suspended Solids             | milligrams per litre | Weekly  | 5  | 48   | 69         | 68           | 82      | N/A        | N/A         | 70            | 82             | 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).