



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

Environment Protection Licence No. 3232  
 Date Obtained: 4 October 2016  
 Date Published: 20 October 2016

**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 September 2016 to 30 September 2016 |            |              |         |            |             |               |                |       | Within Limits |
|                                    |                      |   |  | Minimum  | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual |       |               |
| pH                                 | pH                   | Weekly  | 4  | 7.70   | 8.16       | 7.98         | 9.00    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Biochemical Oxygen Demand          | milligrams per litre | Weekly  | 4  | 3  | 20         | 13           | 52      | N/A        | N/A         | 60            | 52             | Yes * |               |
| Total Suspended Solids             | milligrams per litre | Weekly  | 4  | 16   | 46         | 37           | 94      | N/A        | N/A         | 70            | 94             | Yes * |               |
| Chlorophyll a                      | micrograms per litre | Weekly  | 4  | 17.8   | 557        | 276          | 1660    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Nitrogen (ammonia)                 | milligrams per litre | Monthly   | 1  | 22.2   | 22.2       | 22.2         | 22.2    | N/A        | N/A         | N/A           | N/A            | N/A   |               |
| Nitrogen (total)                   | milligrams per litre | Monthly   | 1  | 25.5   | 25.5       | 25.5         | 25.5    | 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   |               |
| Phosphorus (total)                 | milligrams per litre | Monthly   | 1  | 7.6  | 7.6        | 7.6          | 7.6     | 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).