



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

Environment Protection Licence No. 3232  
 Date Obtained: 4 July 2016  
 Date Published: 19 September 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 July 2016 to 31 July 2016 |            |              |         |            |             |               |                |               |
|                                    |                      |   |  | Minimum  | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| pH                                 | pH                   | Weekly  | 5  | 8.0  | 8.2        | 8.1          | 8.6     | N/A        | N/A         | N/A           | N/A            | N/A           |
| Biochemical Oxygen Demand          | milligrams per litre | Weekly  | 5  | 23   | 28         | 24           | 39      | N/A        | N/A         | 60            | 39             | Yes *         |
| Total Suspended Solids             | milligrams per litre | Weekly  | 5  | 69   | 92         | 74           | 127     | N/A        | N/A         | 70            | 127            | Yes *         |
| Chlorophyll a                      | micrograms per litre | Weekly  | 5  | 130.0  | 626        | 633          | 1000    | N/A        | N/A         | N/A           | N/A            | N/A           |
| Nitrogen (ammonia)                 | milligrams per litre | Monthly   | 1  | 5.4  | 5.4        | 5.4          | 5.4     | N/A        | N/A         | N/A           | N/A            | N/A           |
| Nitrogen (total)                   | milligrams per litre | Monthly   | 1  | 17.1   | 17.1       | 17.1         | 17.1    | 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  | 7.7  | 7.7        | 7.7          | 7.7     | 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).

| EPA Id. No. 1<br>Site Code 5SL2600 |                     | Site Description - Discharge from No.2 Oxidation Pond |               |                |                |                           |                  |
|------------------------------------|---------------------|---|---------------|----------------|----------------|---------------------------|------------------|
| Pollutant                          | Unit of Measurement | Measurement   | Original Data | Corrected Data | Date Corrected | Date Originally Published | Reason           |
| pH                                 | pH                  | 100%ile Limit   | 6.5 - 8.5     | N/A            | 15/09/2016     |                           | Data Entry Error |
| pH                                 | pH                  | 100%ile Actual  | 8.0 - 8.6     | N/A            | 15/09/2016     |                           | Data Entry Error |
| pH                                 | pH                  | Within Limits   | Yes*          | N/A            | 15/09/2016     |                           | Data Entry Error |