



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

Environment Protection Licence No. 3232  
 Date Obtained: 1 July 2013  
 Date Published: 15 July 2013

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 June 2013 to 30 June 2013 |            |              |         |            |             |               |                |      | Within Limits |
|                                    |                      |   |  | Minimum  | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual |      |               |
| pH                                 | pH                   | Weekly  | 4  | 7.65   | 7.69       | 7.69         | 7.73    | N/A        | N/A         | N/A           | N/A            | N/A  |               |
| Biochemical Oxygen Demand          | milligrams per litre | Weekly  | 4  | 6  | 6          | 6            | 7       | N/A        | N/A         | 60            | 7              | Yes* |               |
| Total Suspended Solids             | milligrams per litre | Weekly  | 4  | 4  | 7          | 6            | 13      | N/A        | N/A         | 70            | 13             | Yes* |               |
| Chlorophyll a                      | micrograms per litre | Weekly  | 4  | 5  | 15         | 16           | 23      | N/A        | N/A         | N/A           | N/A            | N/A  |               |
| Nitrogen (ammonia)                 | milligrams per litre | Monthly   | 1  | 7.60   | 7.60       | 7.60         | 7.60    | N/A        | N/A         | N/A           | N/A            | N/A  |               |
| Nitrogen (total)                   | milligrams per litre | Monthly   | 1  | 14.20  | 14.20      | 14.20        | 14.20   | N/A        | N/A         | N/A           | N/A            | N/A  |               |
| Oil and Grease                     | milligrams per litre | Monthly   | 1  | <5   | <5         | <5           | <5      | N/A        | N/A         | N/A           | N/A            | N/A  |               |
| Phosphorus (total)                 | milligrams per litre | Monthly   | 1  | 5.90   | 5.90       | 5.90         | 5.90    | 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).