



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

Environment Protection Licence No. 1683  
 Date Obtained: 2 October 2013  
 Date Published: 14 October 2013

Licensee  
 Hunter Water Corporation  
 36 Honeysuckle Drive  
 NEWCASTLE WEST NSW 2302

### QUALITY MONITORING

| EPA Id. No. 19<br>Site Code 5SL1810   |                                 | Site Description -Shortland WWTW dechlorination building |  |  |            |              |         |            |             |               |                |               |
|---------------------------------------|---------------------------------|--|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant                             | Unit of Measurement             | Sampling Frequency                                       | No. of times measured during the month for licence reporting | Monthly Summary<br>1 September 2013 to 30 September 2013 |            |              |         |            |             |               |                |               |
|                                       |                                 |  |  | Minimum  | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Biochemical Oxygen Demand             | milligrams per litre            | Weekly   | 4  | <2   | 2          | <2           | 2       | N/A        | N/A         | 80            | 2              | Yes           |
| Faecal Coliforms                      | colony forming units per 100 mL | Monthly  | 1  | 0  | 0          | 0            | 0       | N/A        | N/A         | N/A           | N/A            | N/A           |
| Nitrate + Nitrite (oxidised nitrogen) | milligrams per litre            | Monthly  | 1  | 5.90   | 5.90       | 5.90         | 5.90    | N/A        | N/A         | N/A           | N/A            | N/A           |
| Nitrogen (ammonia)                    | milligrams per litre            | Monthly  | 1  | 0.11   | 0.11       | 0.11         | 0.11    | N/A        | N/A         | N/A           | N/A            | N/A           |
| Oil and Grease                        | milligrams per litre            | Fortnightly  | 2  | <5   | <5         | <5           | <5      | N/A        | N/A         | N/A           | N/A            | N/A           |
| pH                                    | pH                              | Weekly   | 4  | 6.85   | 7.24       | 7.32         | 7.46    | N/A        | N/A         | 6.50 - 8.50   | 6.85 - 7.46    | Yes           |
| Phosphorus (total)                    | milligrams per litre            | Monthly  | 1  | 2.50   | 2.50       | 2.50         | 2.50    | N/A        | N/A         | N/A           | N/A            | N/A           |
| Total Suspended Solids                | milligrams per litre            | Weekly   | 4  | <1   | 4          | 4            | 5       | N/A        | N/A         | 100           | 5              | Yes           |

| EPA Id. No. 18<br>Site Code 5OV1800 |                      | Site Description -Shortland WWTW overflow |  |  |            |              |         |            |             |               |                |               |
|-------------------------------------|----------------------|---|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant                           | Unit of Measurement  | Sampling Frequency                        | No. of times measured during the month for licence reporting | Monthly Summary<br>1 September 2013 to 30 September 2013 |            |              |         |            |             |               |                |               |
|                                     |                      |   |  | Minimum  | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Biochemical Oxygen Demand           | milligrams per litre | Daily during any discharge                | -  | -  | -          | -            | -       | N/A        | N/A         | N/A           | N/A            | N/A           |
| Nitrogen (ammonia)                  | milligrams per litre | Daily during any discharge                | -  | -  | -          | -            | -       | N/A        | N/A         | N/A           | N/A            | N/A           |
| pH                                  | pH                   | Daily during any discharge                | -  | -  | -          | -            | -       | N/A        | N/A         | N/A           | N/A            | N/A           |
| Total Suspended Solids              | milligrams per litre | Daily during any discharge                | -  | -  | -          | -            | -       | N/A        | N/A         | N/A           | N/A            | N/A           |