



SHORTLAND WASTEWATER TREATMENT WORKS - APRIL MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1683
 Date Obtained: 5 May 2015
 Date Published: 21 May 2015

Licensee
 Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

| EPA Id. No. 20 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 1 May 2015 to 31 May 2015 | | | | | | | | |
| | | | | Minimum | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Biochemical Oxygen Demand | milligrams per litre | Special Frequency 1 | 4 | <2 | 2 | 2 | 3 | N/A | N/A | 80 | 3 | Yes |
| Faecal Coliforms | colony forming units per 100 mL | Special Frequency 1 | 4 | <2 | 4 | <2 | 9 | N/A | N/A | N/A | N/A | N/A |
| Nitrate + Nitrite (oxidised nitrogen) | milligrams per litre | Special Frequency 1 | 4 | 2.20 | 4.25 | 4.50 | 5.80 | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | Special Frequency 1 | 4 | <0.05 | 0.11 | 0.10 | 0.19 | N/A | N/A | N/A | N/A | N/A |
| Oil and Grease | milligrams per litre | Special Frequency 1 | 4 | <5 | <5 | <5 | <5 | N/A | N/A | N/A | N/A | N/A |
| pH | pH | Special Frequency 1 | 4 | 6.50 | 6.75 | 6.80 | 6.90 | N/A | N/A | 6.50 - 8.50 | 6.50 - 6.90 | Yes |
| Phosphorus (total) | milligrams per litre | Special Frequency 1 | 4 | 0.44 | 2.34 | 2.65 | 3.60 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | Special Frequency 1 | 4 | 1 | 6 | 5 | 14 | N/A | N/A | 100 | 14 | Yes |

| EPA Id. No. 18 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 1 May 2015 to 31 May 2015 | | | | | | | | |
| | | | | 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 | 13 | <2 | 4 | 3 | 9 | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | Daily during any discharge | 13 | 0.70 | 1.60 | 1.70 | 2.60 | N/A | N/A | N/A | N/A | N/A |
| pH | pH | Daily during any discharge | 13 | 6.90 | 7.11 | 7.10 | 7.40 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | Daily during any discharge | 13 | 1 | 10 | 8 | 24 | N/A | N/A | N/A | N/A | N/A |