



RAYMOND TERRACE WASTEWATER TREATMENT WORKS - DECEMBER MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 217
 Date Obtained: 10 January 2014
 Date Published: 16 January 2014

Licensee Hunter Water Corporation
 36 Honeysuckle Drive
 NEWCASTLE WEST NSW 2302

QUALITY MONITORING

| EPA Id. No. 2 Site Code 5DE1500 | | Site Description - At the discharge point at UV Disinfection | | | | | | | | | | |
|---------------------------------------|---------------------------------|--|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting | Monthly Summary 1 December 2013 to 31 December 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 | 5 | <2 | 2 | <2 | 4 | N/A | N/A | 30 | 4 | Yes |
| Faecal Coliforms | colony forming units per 100 mL | Weekly | 5 | 0 | 20 | 1 | 85 | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | Weekly | 5 | 0.06 | 0.35 | 0.09 | 1.20 | N/A | N/A | N/A | N/A | N/A |
| Nitrate + Nitrite (oxidised nitrogen) | milligrams per litre | Weekly | 5 | 4.90 | 6.38 | 6.70 | 7.20 | N/A | N/A | N/A | N/A | N/A |
| Oil and Grease | milligrams per litre | Fortnightly | 3 | <5 | <5 | <5 | <5 | N/A | N/A | N/A | N/A | N/A |
| Phosphorus (total) | milligrams per litre | Weekly | 5 | 0.10 | 0.12 | 0.12 | 0.13 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | Weekly | 5 | <1 | 3 | 4 | 5 | N/A | N/A | 30 | 5 | Yes |
| pH | pH | Weekly | 5 | 7.10 | 7.33 | 7.30 | 7.54 | N/A | N/A | 6.50 - 8.50 | 7.10 - 7.54 | Yes |

| EPA Id. No. 1 Site Code 5OV1500 | | Site Description - At the discharge from the No.2 Maturation Pond | | | | | | | | | | |
|---------------------------------------|---------------------------------|---|--|--------------------------|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting # | Monthly Summary #REF! | | | | | | | | |
| | | | | 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 and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Faecal Coliforms | colony forming units per 100 mL | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrate + Nitrite (oxidised nitrogen) | milligrams per litre | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Oil and Grease | milligrams per litre | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Phosphorus (total) | milligrams per litre | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| pH | pH | Daily during and Discharge | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |

No samples were collected as no overflow occurred during the month