



BRANXTON WASTEWATER TREATMENT WORKS - MAY MONTHLY POLLUTION MONITORING SUMMARY

Environment Protection Licence No. 1680
Date Obtained: 5 June 2017
Date Published: 26 June 2017

Licensee
Hunter Water Corporation
36 Honeysuckle Drive
NEWCASTLE WEST NSW 2302

QUALITY MONITORING

| EPA Id. No. 1 Site Code 5SL0500 | | Site Description - Outlet from Farmers Reuse Storage | | | | | | | | | | |
|-------------------------------------|---------------------------------|--|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting * | Monthly Summary 1 May 2017 to 31 May 2017 | | | | | | | | |
| | | | | Minimum | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Biochemical Oxygen Demand | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Chlorine (total residual) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Faecal Coliforms | colony forming units per 100 mL | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrate+nitrite (oxidised nitrogen) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| pH | pH | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | 6.50 - 8.50 | - - - | N/A |
| Phosphorus (total) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Total Kjeldahl Nitrogen | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |

* No samples were collected as no discharge occurred during the month

| EPA Id. No. 11 Site Code 5BL0500 | | Site Description - Discharge to Black Creek from Reuse Water Storage | | | | | | | | | | |
|-------------------------------------|----------------------|--|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting | Monthly Summary 1 May 2017 to 31 May 2017 | | | | | | | | |
| | | | | Minimum | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Chlorine (total residual) | milligrams per litre | First 24hrs then weekly | 2 | 0.11 | 0.23 | 0.23 | 0.34 | N/A | N/A | N/A | N/A | N/A |

| EPA Id. No. 12 Site Code 5SK0535 | | Site Description - Reuse Water Pump Station | | | | | | | | | | |
|-------------------------------------|---------------------------------|---|--|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting | Monthly Summary 1 May 2017 to 31 May 2017 | | | | | | | | |
| | | | | 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 | N/A | N/A | N/A |
| Faecal Coliforms | colony forming units per 100 mL | Weekly | 5 | 0 | 0 | 0 | 0 | N/A | N/A | N/A | N/A | N/A |
| Nitrate+nitrite (oxidised nitrogen) | milligrams per litre | Monthly | 1 | 4.3 | 4.3 | 4.3 | 4.3 | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | Monthly | 1 | <0.05 | <0.05 | <0.05 | <0.05 | N/A | N/A | N/A | N/A | N/A |
| pH | pH | Weekly | 5 | 6.41 | 7.03 | 7.06 | 7.48 | N/A | N/A | 6.50 - 8.50 | 6.41 - 7.48 | No |
| Phosphorus (total) | milligrams per litre | Monthly | 1 | 0.035 | 0.035 | 0.035 | 0.035 | N/A | N/A | N/A | N/A | N/A |
| Total Kjeldahl Nitrogen | milligrams per litre | Monthly | 1 | 0.2 | 0.2 | 0.2 | 0.2 | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | Weekly | 5 | <1 | <1 | <1 | <1 | N/A | N/A | N/A | N/A | N/A |

| EPA Id. No. 13 Site Code 5OV0500 | | Site Description - Outlet from Wet Weather Storage Pond. | | | | | | | | | | |
|-------------------------------------|---------------------------------|--|---|--|------------|--------------|---------|------------|-------------|---------------|----------------|---------------|
| Pollutant | Unit of Measurement | Sampling Frequency | No. of times measured during the month for licence reporting ** | Monthly Summary 1 May 2017 to 31 May 2017 | | | | | | | | |
| | | | | Minimum | Mean Value | Median Value | Maximum | 3DGM Limit | 3DGM Actual | 100%ile Limit | 100%ile Actual | Within Limits |
| Biochemical Oxygen Demand | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Faecal Coliforms | colony forming units per 100 mL | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrate+nitrite (oxidised nitrogen) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Nitrogen (ammonia) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| pH | pH | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Phosphorus (total) | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Total Kjeldahl Nitrogen | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |
| Total Suspended Solids | milligrams per litre | First 24hrs then weekly | - | - | - | - | - | N/A | N/A | N/A | N/A | N/A |

** No samples were collected as no discharge occurred during the month