

Winmalee Wastewater Treatment Plant

2018-19 Pollution monitoring yearly limit summaries



EPL 1963

Summary period: 01-07-2018 to 30-06-2019

Date published: 09-09-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

| 50 percentile yearly summary | | | | | | | | |
|--|-----------------|---|-------------------|----------------|----------------|---------------------|---------------------|---------------|
| EPA Point 4 Site code WM0004 | | Point description: Downstream of the chamber prior to discharge | | | | | | |
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | maximum result | 50 percentile limit | 50 percentile value | within limits |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days | 61 | <2 | 2 | 10 | <2 | yes |
| Ceriodaphnia dubia immobilisation (EC50) | % Effluent/Vol | monthly | 12 | 100 | 100 | 50 | 100 | yes |
| nitrogen (ammonia) | mg/L | every 6 days | 61 | 0.01 | 3.36 | 2 | 0.04 | yes |
| nitrogen (total) | mg/L | every 6 days | 61 | 4.96 | 11.7 | 10 | 8.33 | yes |
| phosphorus (total) | mg/L | every 6 days | 61 | 0.07 | 0.28 | 2 | 0.11 | yes |
| total suspended solids | mg/L | every 6 days | 61 | <2 | 3 | 10 | <2 | yes |

| 80 percentile yearly summary | | | | | | | | |
|---------------------------------|-----------------|---|-------------------|----------------|----------------|---------------------|---------------------|---------------|
| EPA Point 4 Site code WM0004 | | Point description: Downstream of the chamber prior to discharge | | | | | | |
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | maximum result | 80 percentile limit | 80 percentile value | within limits |
| faecal coliforms | CFU/100mL | every 6 days | 61 | <1 | 620 | 200 | 25 | yes |

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| 90 percentile yearly summary | | | | | | | | |
|--|---|--------------------|-------------------|----------------|----------------|---------------------|---------------------|---------------|
| EPA Point 4 Site code WM0004 | Point description: Downstream of the chamber prior to discharge | | | | | | | |
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | maximum result | 90 percentile limit | 90 percentile value | within limits |
| aluminium | ug/L | monthly | 12 | <5 | 15 | 1,600 | 7 | yes |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days | 61 | <2 | 2 | 15 | <2 | yes |
| chlorine (total residual) | mg/L | every 6 days | 61 | <0.04 | 0.08 | 0.1 | <0.04 | yes |
| cobalt | ug/L | monthly | 12 | 0.3 | 0.5 | 2.4 | 0.4 | yes |
| copper | ug/L | monthly | 12 | 3.6 | 5.9 | 160 | 5.7 | yes |
| diazinon | ug/L | monthly | 12 | <0.1 | <0.1 | 2.4 | <0.1 | yes |
| iron | ug/L | monthly | 12 | 264 | 652 | 6,500 | 599 | yes |
| nitrogen (ammonia) | mg/L | every 6 days | 61 | 0.01 | 3.36 | 5 | 0.84 | yes |
| nitrogen (total) | mg/L | every 6 days | 61 | 4.96 | 11.7 | 15 | 10 | yes |
| phosphorus (total) | mg/L | every 6 days | 61 | 0.07 | 0.28 | 3 | 0.17 | yes |
| total suspended solids | mg/L | every 6 days | 61 | <2 | 3 | 15 | 2 | yes |
| zinc | ug/L | monthly | 12 | 11 | 18 | 230 | 16 | yes |

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| Average yearly summary | | | | | | | | |
|---------------------------------|-----------------|---|-------------------|----------------|----------------|---------------|---------------|---------------|
| EPA Point 4 Site code WM0004 | | Point description: Downstream of the chamber prior to discharge | | | | | | |
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | maximum result | Average Limit | Average value | within limits |
| aluminium | ug/L | monthly | 12 | <5 | 15 | 190 | <5 | yes |
| cobalt | ug/L | monthly | 12 | 0.3 | 0.5 | 1.6 | 0.4 | yes |
| copper | ug/L | monthly | 12 | 3.6 | 5.9 | 20 | 5 | yes |
| diazinon | ug/L | monthly | 12 | <0.1 | <0.1 | 0.3 | <0.1 | yes |
| iron | ug/L | monthly | 12 | 264 | 652 | 830 | 405 | yes |
| zinc | ug/L | monthly | 12 | 11 | 18 | 40 | 13 | yes |