

Picton Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 10555

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

Date obtained: 02-07-2018

Date published: 11-07-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | 3 | 6 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 13 | 112 | 210 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.17 | 0.19 | 0.21 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 5.8 | 5.86 | 5.91 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.74 | 7.88 | 8.01 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.7 | 0.77 | 0.85 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | 2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 97 | 224 | 350 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.22 | 0.26 | 0.29 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 1.77 | 2.56 | 3.35 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.92 | 8.02 | 8.11 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.06 | 0.06 | 0.07 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 10555

Summary period: 01-05-2018 to 31-05-2018

Date obtained: 31-05-2018

Date published: 13-06-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 510 | 510 | 510 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.29 | 0.35 | 0.4 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 5.97 | 6.03 | 6.09 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.82 | 7.86 | 7.9 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 1.08 | 1.17 | 1.26 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | 3 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 1 | - | - | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 1 | - | - | 100 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 1 | - | - | 0.03 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.94 |
| pH | pH Units | every 6 days when irrigating | 1 | - | - | 8.61 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.07 |
| total suspended solids | mg/L | every 6 days when irrigating | 1 | - | - | 4 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 10555

Summary period: 01-04-2018 to 30-04-2018

Date obtained: 07-05-2018

Date published: 11-05-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 5 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 5 | 78 | 242 | 460 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 5 | 0.36 | 0.46 | 0.58 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 5 | 5.41 | 5.65 | 6.03 |
| pH | pH Units | every 6 days when irrigating | 5 | 7.38 | 7.77 | 7.98 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 5 | 0.98 | 1.21 | 1.36 |
| total suspended solids | mg/L | every 6 days when irrigating | 5 | 2 | 3 | 4 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 5 | <2 | <2 | 4 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 5 | 200 | 408 | 910 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 5 | <0.01 | 0.13 | 0.27 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 5 | 1.06 | 1.35 | 1.56 |
| pH | pH Units | every 6 days when irrigating | 5 | 7.85 | 8.47 | 9.04 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 5 | 0.07 | 0.09 | 0.11 |
| total suspended solids | mg/L | every 6 days when irrigating | 5 | <2 | 6 | 12 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 10555

Summary period: 01-03-2018 to 31-03-2018

Date obtained: 03-04-2018

Date published: 13-04-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 1 | - | - | 3 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 1 | - | - | 42 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 1 | - | - | 0.53 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 1 | - | - | 4.67 |
| pH | pH Units | every 6 days when irrigating | 1 | - | - | 8.23 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.76 |
| total suspended solids | mg/L | every 6 days when irrigating | 1 | - | - | 3 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 1 | - | - | 2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 1 | - | - | 110 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 1 | - | - | 0.06 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 1 | - | - | 2.59 |
| pH | pH Units | every 6 days when irrigating | 1 | - | - | 8.8 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.15 |
| total suspended solids | mg/L | every 6 days when irrigating | 1 | - | - | 3 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 10555

Summary period: 01-02-2018 to 28-02-2018

Date obtained: 08-03-2018

Date published: 15-03-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 1 | - | - | 2 |
| faecal coliforms | CFU/100mL | on bypass | 1 | - | - | 1,100 |
| nitrogen (ammonia) | mg/L | on bypass | 1 | - | - | 0.2 |
| nitrogen (total) | mg/L | on bypass | 1 | - | - | 1.48 |
| phosphorus (total) | mg/L | on bypass | 1 | - | - | 0.15 |
| total suspended solids | mg/L | on bypass | 1 | - | - | 10 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | 3 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 50 | 51 | 52 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.2 | 0.27 | 0.34 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 4.95 | 5.04 | 5.12 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.82 | 7.96 | 8.1 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.63 | 0.66 | 0.69 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | 3 | 3 | 3 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 200 | 210 | 220 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.03 | 0.1 | 0.16 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 1.55 | 1.61 | 1.66 |
| pH | pH Units | every 6 days when irrigating | 2 | 9.03 | 9.11 | 9.19 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.08 | 0.11 | 0.14 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | 6 | 8 | 10 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 10555

Summary period: 01-01-2018 to 31-01-2018

Date obtained: 05-02-2018

Date published: 09-02-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 5 | <2 | 2 | 4 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 5 | 24 | 73 | 97 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 5 | 4.66 | 5.08 | 5.39 |
| pH | pH Units | every 6 days when irrigating | 5 | 8.95 | 9.34 | 9.68 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 5 | 0.36 | 0.53 | 0.61 |
| total suspended solids | mg/L | every 6 days when irrigating | 5 | 2 | 4 | 7 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 5 | <2 | <2 | 3 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 5 | 79 | 211 | 390 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 5 | 2.09 | 2.51 | 2.85 |
| pH | pH Units | every 6 days when irrigating | 5 | 8.18 | 8.69 | 9.3 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 5 | 0.03 | 0.07 | 0.12 |
| total suspended solids | mg/L | every 6 days when irrigating | 5 | 2 | 5 | 9 |

Average and percentile limits are only applied annually for routine monitoring data .

Picton Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 10555

Summary period: 01-12-2017 to 31-12-2017

Date obtained: 09-01-2018

Date published: 19-01-2018

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 4 | <2 | 2 | 4 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 4 | 17 | 45 | 94 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 4 | 0.07 | 0.1 | 0.16 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 4 | 5.22 | 5.44 | 5.61 |
| pH | pH Units | every 6 days when irrigating | 4 | 7.98 | 8.17 | 8.51 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 4 | 0.41 | 0.44 | 0.48 |
| total suspended solids | mg/L | every 6 days when irrigating | 4 | 2 | 2 | 3 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | 3 | 5 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 60 | 260 | 460 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.02 | 0.1 | 0.18 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 3.14 | 3.49 | 3.84 |
| pH | pH Units | every 6 days when irrigating | 2 | 8.79 | 9.28 | 9.76 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.02 | 0.03 | 0.04 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | 2 | 3 | 4 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 10555

Summary period: 01-11-2017 to 30-11-2017

Date obtained: 05-12-2017

Date published: 14-12-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 3 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | on bypass | 3 | 95 | 305 | 560 |
| nitrogen (ammonia) | mg/L | on bypass | 3 | 0.1 | 0.17 | 0.2 |
| nitrogen (total) | mg/L | on bypass | 3 | 4.65 | 4.76 | 4.83 |
| phosphorus (total) | mg/L | on bypass | 3 | 0.16 | 0.17 | 0.17 |
| total suspended solids | mg/L | on bypass | 3 | <2 | <2 | <2 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 9 | 13 | 16 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.12 | 0.12 | 0.12 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 3.96 | 4.03 | 4.09 |
| pH | pH Units | every 6 days when irrigating | 2 | 8.45 | 8.52 | 8.58 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.11 | 0.13 | 0.15 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 160 | 185 | 210 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.02 | 0.04 | 0.06 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 4.93 | 4.95 | 4.97 |
| pH | pH Units | every 6 days when irrigating | 2 | 8.32 | 8.52 | 8.72 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.13 | 0.14 | 0.16 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | 2 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 10555

Summary period: 01-10-2017 to 31-10-2017

Date obtained: 03-11-2017

Date published: 14-11-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 1 | - | - | <2 |
| faecal coliforms | CFU/100mL | on bypass | 1 | - | - | 260 |
| nitrogen (ammonia) | mg/L | on bypass | 1 | - | - | 0.2 |
| nitrogen (total) | mg/L | on bypass | 1 | - | - | 4.31 |
| phosphorus (total) | mg/L | on bypass | 1 | - | - | 0.05 |
| total suspended solids | mg/L | on bypass | 1 | - | - | 2 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 17 | 119 | 220 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.07 | 0.16 | 0.24 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 4.19 | 4.42 | 4.64 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.94 | 8.1 | 8.26 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.08 | 0.13 | 0.19 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | <1 | 43 | 85 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.05 | 0.06 | 0.07 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 4.34 | 4.83 | 5.31 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.99 | 8.2 | 8.41 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.03 | 0.03 | 0.03 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 10555

Summary period: 01-09-2017 to 30-09-2017

Date obtained: 17-10-2017

Date published: 19-10-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 1 | - | - | <2 |
| faecal coliforms | CFU/100mL | on bypass | 1 | - | - | 34 |
| nitrogen (ammonia) | mg/L | on bypass | 1 | - | - | <0.1 |
| nitrogen (total) | mg/L | on bypass | 1 | - | - | 5.48 |
| phosphorus (total) | mg/L | on bypass | 1 | - | - | 0.02 |
| total suspended solids | mg/L | on bypass | 1 | - | - | <2 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 11 | 19 | 26 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.15 | 0.19 | 0.23 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 2.64 | 2.68 | 2.71 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.92 | 7.96 | 8 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.09 | 0.1 | 0.11 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 5 | 9 | 13 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.05 | 0.05 | 0.05 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 5.36 | 5.49 | 5.62 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.58 | 7.63 | 7.68 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.02 | 0.02 | 0.02 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

Average and percentile limits are only applied annually for routine monitoring data

Picton Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 10555

Summary period: 01-08-2017 to 31-08-2017

Date obtained: 11-09-2017

Date published: 21-09-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 9 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | on bypass | 9 | 14 | 29 | 45 |
| nitrogen (ammonia) | mg/L | on bypass | 9 | <0.1 | <0.1 | <0.1 |
| nitrogen (total) | mg/L | on bypass | 9 | 5.33 | 5.55 | 5.87 |
| phosphorus (total) | mg/L | on bypass | 9 | 0.02 | 0.02 | 0.02 |
| total suspended solids | mg/L | on bypass | 9 | <2 | <2 | <2 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 1 | - | - | 2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 1 | - | - | 8 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 1 | - | - | 0.39 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 1 | - | - | 2.3 |
| pH | pH Units | every 6 days when irrigating | 1 | - | - | 8.04 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.13 |
| total suspended solids | mg/L | every 6 days when irrigating | 1 | - | - | <2 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 1 | - | - | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 1 | - | - | 16 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 1 | - | - | 0.05 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 1 | - | - | 4.98 |
| pH | pH Units | every 6 days when irrigating | 1 | - | - | 7.66 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 1 | - | - | 0.03 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 1 | - | - | <2 |

Average and percentile limits are only applied annually for routine monitoring data.

Picton Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 10555

Summary period: 01-07-2017 to 31-07-2017

Date obtained: 03-08-2017

Date published: 11-08-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

| EPA Point 1 Site code PI0001 | | Point description: Outlet of the effluent buffer tank at the western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | on bypass | 5 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | on bypass | 5 | 51 | 63 | 88 |
| nitrogen (ammonia) | mg/L | on bypass | 5 | 0.1 | 0.1 | 0.1 |
| nitrogen (total) | mg/L | on bypass | 5 | 4.9 | 5.21 | 5.41 |
| phosphorus (total) | mg/L | on bypass | 5 | 0.02 | 0.03 | 0.03 |
| total suspended solids | mg/L | on bypass | 5 | <2 | <2 | 2 |

| EPA Point 11 Site code PI0011 | | Point description: Outlet of the effluent irrigation eastern dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | 2 | 4 | 6 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 20 | 115 | 210 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.2 | 0.22 | 0.24 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 2.2 | 2.22 | 2.24 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.69 | 7.72 | 7.74 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.17 | 0.17 | 0.17 |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | 4 | 4 | 4 |

| EPA Point 13 Site code PI0013 | | Point description: Outlet of the effluent irrigation western dam | | | | |
|--|-----------------|--|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| carbonaceous biochemical oxygen demand | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |
| faecal coliforms | CFU/100mL | every 6 days when irrigating | 2 | 29 | 46 | 62 |
| nitrogen (ammonia) | mg/L | every 6 days when irrigating | 2 | 0.09 | 0.17 | 0.24 |
| nitrogen (total) | mg/L | every 6 days when irrigating | 2 | 2.21 | 3.92 | 5.63 |
| pH | pH Units | every 6 days when irrigating | 2 | 7.48 | 7.5 | 7.51 |
| phosphorus (total) | mg/L | every 6 days when irrigating | 2 | 0.02 | 0.1 | 0.17 |

| EPA Point 13 Site code PI0013 | Point description: Outlet of the effluent irrigation western dam | | | | | |
|----------------------------------|--|------------------------------|-------------------|----------------|-------------|----------------|
| pollutant | unit of measure | sampling frequency | number of samples | minimum result | mean result | maximum result |
| total suspended solids | mg/L | every 6 days when irrigating | 2 | <2 | <2 | <2 |

Average and percentile limits are only applied annually for routine monitoring data