

# Picton Wastewater Treatment Plant

## 2015-16 Pollution monitoring yearly limit summaries



### EPL 10555

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
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	maximum result	50 percentile limit	50 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	on bypass	29	<2	7	7	<2	yes
nitrogen (ammonia)	mg/L	on bypass	29	<0.01	0.4	0.5	<0.1	yes
nitrogen (total)	mg/L	on bypass	29	2.79	4.86	6	4.33	yes
phosphorus (total)	mg/L	on bypass	29	0.01	0.08	0.2	0.02	yes
total suspended solids	mg/L	on bypass	29	<2	12	7	3	yes

80 percentile yearly summary								
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	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	on bypass	29	15	580	200	210	no <sup>1</sup>

1. The 80th percentile faecal coliform concentration limit was exceeded during the 2015-16 period. The wastewater treatment plant was operating as expected during this period however the current load on the plant exceeds its design capacity and the plant is undergoing an upgrade to improve capacity.

# Picton Wastewater Treatment Plant

## 2015-16 Pollution monitoring yearly limit summaries



### EPL 10555

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

90 percentile yearly summary								
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	maximum result	90 percentile limit	90 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	on bypass	29	<2	7	10	6	yes
nitrogen (ammonia)	mg/L	on bypass	29	<0.01	0.4	1	0.2	yes
nitrogen (total)	mg/L	on bypass	29	2.79	4.86	10	4.75	yes
phosphorus (total)	mg/L	on bypass	29	0.01	0.08	0.4	0.06	yes
total suspended solids	mg/L	on bypass	29	<2	12	15	7	yes

50 percentile yearly summary								
EPA Point 11 Site code PI0011		Point description: Outlet of the effluent irrigation dam						
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 when irrigating	22	<2	5	10	<2	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	22	2	3,800	2,000	100	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	22	0.01	1.91	2	0.19	yes
nitrogen (total)	mg/L	every 6 days when irrigating	22	2.11	7.22	10	3.56	yes
pH	pH Units	every 6 days when irrigating	22	7.35	10.19	6.5 - 9.5	8.58	yes
phosphorus (total)	mg/L	every 6 days when irrigating	22	0.05	1.39	8	0.2	yes
total suspended solids	mg/L	every 6 days when irrigating	22	<2	23	120	3	yes

# Picton Wastewater Treatment Plant

## 2015-16 Pollution monitoring yearly limit summaries



### EPL 10555

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

**Licensee:** Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

90 percentile yearly summary								
EPA Point 11 Site code PI0011		Point description: Outlet of the effluent irrigation dam						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	22	<2	5	15	3	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	22	2	3,800	10,000	2,200	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	22	0.01	1.91	5	0.59	yes
nitrogen (total)	mg/L	every 6 days when irrigating	22	2.11	7.22	15	5.12	yes
phosphorus (total)	mg/L	every 6 days when irrigating	22	0.05	1.39	9	0.66	yes
total suspended solids	mg/L	every 6 days when irrigating	22	<2	23	480	9	yes