

Picton Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 10555

Summary period: 01-06-2017 to 30-06-2017

Date obtained: 07-07-2017

Date published: 13-07-2017

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	23	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	23	24	65	240
nitrogen (ammonia)	mg/L	on bypass	23	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	23	4.93	5.46	5.93
phosphorus (total)	mg/L	on bypass	23	0.02	0.03	0.04
total suspended solids	mg/L	on bypass	23	<2	<2	4

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	-	-	200
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.25
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.74
pH	pH Units	every 6 days when irrigating	1	-	-	7.72
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.28
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	5

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

Picton Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 10555

Summary period: 01-05-2017 to 31-05-2017

Date obtained: 30-05-2017

Date published: 13-06-2017

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	5	5	5
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	25	37	48
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.07	0.14	0.21
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.58	2.61	2.63
pH	pH Units	every 6 days when irrigating	2	7.78	7.9	8.02
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.32	0.32	0.32
total suspended solids	mg/L	every 6 days when irrigating	2	11	13	15

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

Picton Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 10555

Summary period: 01-04-2017 to 30-04-2017

Date obtained: 01-05-2017

Date published: 11-05-2017

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	8	<2	5	12
faecal coliforms	CFU/100mL	on bypass	8	11	248	490
nitrogen (ammonia)	mg/L	on bypass	8	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	8	3.99	5.03	7.98
phosphorus (total)	mg/L	on bypass	8	0.02	0.2	0.36
total suspended solids	mg/L	on bypass	8	5	19	29

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

Picton Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 10555

Summary period: 01-03-2017 to 31-03-2017

Date obtained: 13-04-2017

Date published: 19-04-2017

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	14	<2	4	11
faecal coliforms	CFU/100mL	on bypass	13	230	984	8,000
nitrogen (ammonia)	mg/L	on bypass	14	<0.1	0.2	0.3
nitrogen (total)	mg/L	on bypass	14	3.31	4.03	5.97
phosphorus (total)	mg/L	on bypass	14	0.09	0.14	0.39
total suspended solids	mg/L	on bypass	14	7	12	28

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

Picton Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 10555

Summary period: 01-02-2017 to 28-02-2017

Date obtained: 28-02-2017

Date published: 14-03-2017

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	-	-	670
nitrogen (ammonia)	mg/L	on bypass	1	-	-	0.4
nitrogen (total)	mg/L	on bypass	1	-	-	4.96
phosphorus (total)	mg/L	on bypass	1	-	-	0.09
total suspended solids	mg/L	on bypass	1	-	-	4

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	-	-	27
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.01
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.42
pH	pH Units	every 6 days when irrigating	1	-	-	9.53
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.09
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	13

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	-	-	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	<200
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.06
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	5.5
pH	pH Units	every 6 days when irrigating	1	-	-	8.42
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.04

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	-	-	3

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

Picton Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 10555

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

Date obtained: 09-02-2017

Date published: 15-02-2017

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	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	6	6	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.01	0.02	0.02
nitrogen (total)	mg/L	every 6 days when irrigating	2	1.68	1.94	2.19
pH	pH Units	every 6 days when irrigating	2	9.4	9.5	9.6
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.09	0.09	0.1
total suspended solids	mg/L	every 6 days when irrigating	2	8	10	11

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	-	-	48
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.09
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.76
pH	pH Units	every 6 days when irrigating	1	-	-	8.67
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.05
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

December Pollution Monitoring Summary



EPL 10555

Summary period: 01-12-2016 to 31-12-2016

Date obtained: 05-01-2017

Date published: 13-01-2017

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	-	-	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	17
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.01
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	1.9
pH	pH Units	every 6 days when irrigating	1	-	-	9.72
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.13
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	13

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	-	-	6
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	96
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.99
pH	pH Units	every 6 days when irrigating	1	-	-	8.21
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.04
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

November Pollution Monitoring Summary



EPL 10555

Summary period: 01-11-2016 to 30-11-2016

Date obtained: 06-12-2016

Date published: 12-12-2017

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	4	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	4	12	34	70
nitrogen (ammonia)	mg/L	on bypass	4	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	4	4.34	4.53	4.64
phosphorus (total)	mg/L	on bypass	4	0.02	0.03	0.05
total suspended solids	mg/L	on bypass	4	<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	-	-	5
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.01
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.46
pH	pH Units	every 6 days when irrigating	1	-	-	9.63
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.09
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	6

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	4	7
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	48	60	71
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	<0.01	<0.01	<0.01
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.61	4.67	4.73
pH	pH Units	every 6 days when irrigating	2	8.1	8.62	9.14
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.06	0.07	0.07

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	4	8

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

Picton Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 10555

Summary period: 01-10-2016 to 31-10-2016

Date obtained: 08-11-2016

Date published: 18-11-2017

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	3	<2	<2	3
faecal coliforms	CFU/100mL	on bypass	3	29	96	220
nitrogen (ammonia)	mg/L	on bypass	3	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	3	4.26	4.52	5.02
phosphorus (total)	mg/L	on bypass	3	0.02	0.03	0.04
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	3	<2	2	5
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	<1	1	2
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.02	0.02	0.02
nitrogen (total)	mg/L	every 6 days when irrigating	3	2.02	2.11	2.19
pH	pH Units	every 6 days when irrigating	3	9.08	9.14	9.19
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.07	0.07	0.08
total suspended solids	mg/L	every 6 days when irrigating	3	<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	11	21
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	5	9	13
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.02	0.02	0.02
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.88	4.01	4.14
pH	pH Units	every 6 days when irrigating	2	8.71	8.81	8.9
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

September Pollution Monitoring Summary



EPL 10555

Summary period: 01-09-2016 to 30-09-2016

Date obtained: 06-10-2016

Date published: 12-10-2016

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	10	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	10	13	39	210
nitrogen (ammonia)	mg/L	on bypass	10	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	10	4.65	5.02	5.82
phosphorus (total)	mg/L	on bypass	10	0.01	0.02	0.02
total suspended solids	mg/L	on bypass	10	<2	<2	3

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

No samples collected at EPA Point 11 as the irrigation system was not operating during the September monitoring period.

Picton Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 10555

Summary period: 01-08-2016 to 31-08-2016

Date obtained: 09-09-2016

Date published: 14-09-2017

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	7	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	7	10	31	66
nitrogen (ammonia)	mg/L	on bypass	7	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	7	4.83	5.04	5.29
phosphorus (total)	mg/L	on bypass	7	0.02	0.02	0.03
total suspended solids	mg/L	on bypass	7	<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	-	-	2
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.03
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.88
pH	pH Units	every 6 days when irrigating	1	-	-	8.09
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.14
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	-	-	13
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	5.12
pH	pH Units	every 6 days when irrigating	1	-	-	7.86
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	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	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: 01-07-2016 to 31-07-2016

Date obtained: 01-08-2016

Date published: 12-08-2016

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	6	111	560
nitrogen (ammonia)	mg/L	on bypass	9	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	on bypass	9	4.79	4.9	4.99
phosphorus (total)	mg/L	on bypass	9	0.02	0.02	0.02
total suspended solids	mg/L	on bypass	9	<2	<2	6

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

No samples collected at EPA Point 11 as the irrigation system was not operating during the July monitoring period.