

Picton Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 10555

Summary period: 01-06-2022 to 30-06-2022

Date obtained: 07-07-2022

Date published: 15-07-2022

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
biochemical oxygen demand	mg/L	on bypass	8	3	3.88	5
carbonaceous biochemical oxygen demand	mg/L	on bypass	8	3	4	5
faecal coliforms	CFU/100mL	on bypass	8	4	8	15
nitrogen (ammonia)	mg/L	on bypass	8	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	8	4.18	4.79	5.33
phosphorus (total)	mg/L	on bypass	8	0.05	0.11	0.19
total suspended solids	mg/L	on bypass	8	5	10	14

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are operating at the time of sampling. The irrigation system at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the June monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 10555

Summary period: 01-05-2022 to 31-05-2022

Date obtained: 09-06-2022

Date published: 20-06-2022

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
biochemical oxygen demand	mg/L	on bypass	9	<2	<2	4
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	<2	<2	4
faecal coliforms	CFU/100mL	on bypass	9	39	67	130
nitrogen (ammonia)	mg/L	on bypass	9	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	9	4.08	5.67	9.89
phosphorus (total)	mg/L	on bypass	9	0.07	0.21	0.48
total suspended solids	mg/L	on bypass	9	<2	14	50

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are operating at the time of sampling. The irrigation system at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the May monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 10555

Summary period: 01-05-2022 to 31-05-2022

Date obtained: 09-06-2022

Date published: 17-06-2022

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
biochemical oxygen demand	mg/L	on bypass	9	<2	<2	4
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	<2	<2	4
faecal coliforms	CFU/100mL	on bypass	9	39	67	130
nitrogen (ammonia)	mg/L	on bypass	9	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	9	4.08	5.67	9.89
phosphorus (total)	mg/L	on bypass	9	0.07	0.21	0.48
total suspended solids	mg/L	on bypass	9	<2	14	50

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are operating at the time of sampling. The irrigation system at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the May monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 10555

Summary period: 01-04-2022 to 30-04-2022

Date obtained: 09-05-2022

Date published: 20-05-2022

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
biochemical oxygen demand	mg/L	on bypass	11	<2	2.55	7
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	<2	<2	5
faecal coliforms	CFU/100mL	on bypass	11	94	2339	11,000
nitrogen (ammonia)	mg/L	on bypass	11	<0.1	0.22	0.5
nitrogen (total)	mg/L	on bypass	11	3.32	4.01	5.3
phosphorus (total)	mg/L	on bypass	11	0.17	0.23	0.37
total suspended solids	mg/L	on bypass	11	5	14	32

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are operating at the time of sampling. The irrigation system at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the April monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 10555

Summary period: 01-03-2022 to 31-03-2022

Date obtained: 03-04-2022

Date published: 15-04-2022

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
biochemical oxygen demand	mg/L	on bypass	19	<2	2.32	6
carbonaceous biochemical oxygen demand	mg/L	on bypass	19	<2	<2	5
faecal coliforms	CFU/100mL	on bypass	19	95	4426	23,000
nitrogen (ammonia)	mg/L	on bypass	19	<0.1	0.46	1.1
nitrogen (total)	mg/L	on bypass	19	3.45	4.05	4.5
phosphorus (total)	mg/L	on bypass	19	0.12	0.16	0.2
total suspended solids	mg/L	on bypass	19	3	8	22

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are operating at the time of sampling. The irrigation system at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the March monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 10555

Summary period: 01-02-2022 to 28-02-2022

Date obtained: 16-03-2022

Date published: 24-03-2022

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
biochemical oxygen demand	mg/L	on bypass	4	2	3	4
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	<2	<2	3
faecal coliforms	CFU/100mL	on bypass	4	60	84	100
nitrogen (ammonia)	mg/L	on bypass	4	0.3	0.88	1.3
nitrogen (total)	mg/L	on bypass	4	3.12	3.48	3.72
phosphorus (total)	mg/L	on bypass	4	0.1	0.16	0.21
total suspended solids	mg/L	on bypass	4	3	4	5

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
biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	3.33	10
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	3	10
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	43	224	380
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.02	0.08	0.16
nitrogen (total)	mg/L	every 6 days when irrigating	3	1.77	1.95	2.11
pH	pH Units	every 6 days when irrigating	3	8.83	8.95	9.03
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.07	0.08	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
biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	2	3
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	<2	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	140	213	310
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.03	0.07	0.12
nitrogen (total)	mg/L	every 6 days when irrigating	3	3.73	3.77	3.83

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
pH	pH Units	every 6 days when irrigating	3	7.88	8.27	8.69
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.06	0.06	0.06
total suspended solids	mg/L	every 6 days when irrigating	3	<2	<2	3

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 10555

Summary period: 01-01-2022 to 31-01-2022

Date obtained: 08-02-2022

Date published: 11-02-2022

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
biochemical oxygen demand	mg/L	on bypass	9	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	9	36	135	340
nitrogen (ammonia)	mg/L	on bypass	9	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	9	2.72	3.29	3.74
phosphorus (total)	mg/L	on bypass	9	0.04	0.05	0.07
total suspended solids	mg/L	on bypass	9	<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
biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	2
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	8	11	13
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.07	0.1	0.12
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.35	2.41	2.46
pH	pH Units	every 6 days when irrigating	2	8.69	8.93	9.16
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.08	0.08	0.08
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
biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	3
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	88	92	96
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.01	0.02	0.03
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.98	3.37	3.75

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
pH	pH Units	every 6 days when irrigating	2	8.45	8.76	9.07
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.04	0.05	0.06
total suspended solids	mg/L	every 6 days when irrigating	2	<2	3	5

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 10555

Summary period: 01-12-2021 to 31-12-2021

Date obtained: 07-01-2022

Date published: 20-01-2022

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
biochemical oxygen demand	mg/L	on bypass	13	<2	<2	16
carbonaceous biochemical oxygen demand	mg/L	on bypass	13	<2	<2	16
faecal coliforms	CFU/100mL	on bypass	13	13	104	360
nitrogen (ammonia)	mg/L	on bypass	13	0.1	0.17	0.3
nitrogen (total)	mg/L	on bypass	13	2.53	2.84	3.14
phosphorus (total)	mg/L	on bypass	13	0.05	0.07	0.1
total suspended solids	mg/L	on bypass	13	<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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	22
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.12
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.53
pH	pH Units	every 6 days when irrigating	1	-	-	8.71
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.08
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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	51
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.09
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.1

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
pH	pH Units	every 6 days when irrigating	1	-	-	7.61
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.

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 10555

Summary period: 01-11-2021 to 30-11-2021

Date obtained: 10-12-2021

Date published: 17-12-2021

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
biochemical oxygen demand	mg/L	on bypass	20	<2	<2	13
carbonaceous biochemical oxygen demand	mg/L	on bypass	20	<2	<2	13
faecal coliforms	CFU/100mL	on bypass	20	5	89	360
nitrogen (ammonia)	mg/L	on bypass	20	<0.1	0.14	0.4
nitrogen (total)	mg/L	on bypass	20	2.68	3.44	4.27
phosphorus (total)	mg/L	on bypass	20	0.02	0.05	0.08
total suspended solids	mg/L	on bypass	20	<2	<2	8

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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	50
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.58
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.81
pH	pH Units	every 6 days when irrigating	1	-	-	7.94
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.16
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling. The irrigation system was not operating at the time of sampling the 6-day cycle during the November monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 10555

Summary period: 01-10-2021 to 31-10-2021

Date obtained: 08-11-2021

Date published: 12-11-2021

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
biochemical oxygen demand	mg/L	on bypass	11	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	on bypass	11	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	11	16	38	70
nitrogen (ammonia)	mg/L	on bypass	11	<0.1	0.21	0.5
nitrogen (total)	mg/L	on bypass	11	3.32	3.51	3.75
phosphorus (total)	mg/L	on bypass	11	0.02	0.04	0.08
total suspended solids	mg/L	on bypass	11	<2	<2	3

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
biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	2	4
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	2	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	16	24	32
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.09	0.11	0.13
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.15	3.45	3.74
pH	pH Units	every 6 days when irrigating	2	7.57	7.86	8.14
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.11	0.12	0.12
total suspended solids	mg/L	every 6 days when irrigating	2	<2	2	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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	39
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.07
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.41

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
pH	pH Units	every 6 days when irrigating	1	-	-	8.53
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.03
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 10555

Summary period: 01-09-2021 to 30-09-2021

Date obtained: 01-10-2021

Date published: 13-10-2021

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
biochemical oxygen demand	mg/L	on bypass	7	<2	<2	7
carbonaceous biochemical oxygen demand	mg/L	on bypass	7	<2	<2	7
faecal coliforms	CFU/100mL	on bypass	7	3	13	31
nitrogen (ammonia)	mg/L	on bypass	7	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	7	4.1	4.21	4.46
phosphorus (total)	mg/L	on bypass	7	0.02	0.03	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
biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	<2
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	12	23
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	2.51	2.57	2.63
pH	pH Units	every 6 days when irrigating	2	8.38	8.41	8.44
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.15	0.16	0.16
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
biochemical oxygen demand	mg/L	every 6 days when irrigating	2	<2	<2	<2
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	7	10	13
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.08	0.09	0.09
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.22	4.3	4.38

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
pH	pH Units	every 6 days when irrigating	2	7.49	7.72	7.94
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.02	0.03	0.03
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.

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 10555

Summary period: 01-08-2021 to 31-08-2021

Date obtained: 07-09-2021

Date published: 20-09-2021

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
biochemical oxygen demand	mg/L	on bypass	17	<2	<2	7
carbonaceous biochemical oxygen demand	mg/L	on bypass	17	<2	<2	7
faecal coliforms	CFU/100mL	on bypass	17	<1	13	30
nitrogen (ammonia)	mg/L	on bypass	17	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	17	4.2	4.61	4.91
phosphorus (total)	mg/L	on bypass	17	0.02	0.02	0.04
total suspended solids	mg/L	on bypass	17	<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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	5
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.73
pH	pH Units	every 6 days when irrigating	1	-	-	8.29
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.25
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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	12
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.09
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.66

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
pH	pH Units	every 6 days when irrigating	1	-	-	7.61
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.03
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).

Picton Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 10555

Summary period: 01-07-2021 to 31-07-2021

Date obtained: 07-08-2021

Date published: 18-08-2021

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
biochemical oxygen demand	mg/L	on bypass	12	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	on bypass	12	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	12	5	15	29
nitrogen (ammonia)	mg/L	on bypass	12	0.1	0.14	0.2
nitrogen (total)	mg/L	on bypass	12	4.64	4.91	4.99
phosphorus (total)	mg/L	on bypass	12	0.02	0.02	0.03
total suspended solids	mg/L	on bypass	12	<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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	12
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.18
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.04
pH	pH Units	every 6 days when irrigating	1	-	-	7.76
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.29
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<2

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

As per clause M2.4 under EPL 10555, collection of samples every 6 days from PI0013 is required when the irrigation system at EPA Point 13 is operating at the time of sampling. The irrigation system was not operating at the time of sampling the 6-day cycle during the July monitoring period.

Effluent quality monitoring results obtained from EPA Point 1 are used to indicate the quality of water discharged at EPA Point 14 (precautionary discharge point to Stonequarry Creek).