

# Picton Water Resource Recovery Facility

## June Pollution Monitoring Summary



### EPL 10555

Summary period: 01-06-2023 to 30-06-2023

Date obtained: 05-07-2023

Date published: 19-07-2023

**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	6
carbonaceous biochemical oxygen demand	mg/L	on bypass	19	<2	<2	6
faecal coliforms	CFU/100mL	on bypass	19	19	78	280
nitrogen (ammonia)	mg/L	on bypass	19	<0.1	<0.1	0.2
nitrogen (total)	mg/L	on bypass	19	4.23	4.38	4.65
phosphorus (total)	mg/L	on bypass	19	0.03	0.06	0.12
total suspended solids	mg/L	on bypass	19	<2	4	9

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 Water Resource Recovery Facility

## May Pollution Monitoring Summary



### EPL 10555

Summary period: 01-05-2023 to 31-05-2023

Date obtained: 08-06-2023

Date published: 22-06-2023

**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	15	<2	<2	5
carbonaceous biochemical oxygen demand	mg/L	on bypass	15	<2	<2	5
faecal coliforms	CFU/100mL	on bypass	15	28	85	220
nitrogen (ammonia)	mg/L	on bypass	15	<0.1	<0.1	0.1
nitrogen (total)	mg/L	on bypass	15	3.87	4.22	4.97
phosphorus (total)	mg/L	on bypass	15	0.05	0.06	0.1
total suspended solids	mg/L	on bypass	15	5	8	10

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 Water Resource Recovery Facility

## April Pollution Monitoring Summary



### EPL 10555

Summary period: 01-04-2023 to 30-04-2023

Date obtained: 02-05-2023

Date published: 16-05-2023

**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	2.08	15
carbonaceous biochemical oxygen demand	mg/L	on bypass	13	<2	<2	16
faecal coliforms	CFU/100mL	on bypass	13	40	106	330
nitrogen (ammonia)	mg/L	on bypass	13	<0.1	0.11	0.4
nitrogen (total)	mg/L	on bypass	13	2.97	3.67	4.23
phosphorus (total)	mg/L	on bypass	13	0.07	0.09	0.11
total suspended solids	mg/L	on bypass	13	<2	4	8

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 Water Resource Recovery Facility

## March Pollution Monitoring Summary



### EPL 10555

Summary period: 01-03-2023 to 31-03-2023

Date obtained: 29-03-2023

Date published: 06-04-2023

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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	5
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	760
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.15
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	2.7
pH	pH Units	every 6 days when irrigating	1	-	-	9.02
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.38
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	5

  

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	-	-	300
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.51
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.37
pH	pH Units	every 6 days when irrigating	1	-	-	7.51
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.09
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 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 systems at Points 11 and 13 were not operating on the 4th, 10th, 22nd and 28th March at the time of sampling during the 6-day cycle.

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). There was no discharge recorded from EPA Point 1 during the March period.

# Picton Water Resource Recovery Facility

## February Pollution Monitoring Summary



### EPL 10555

Summary period: 01-02-2023 to 28-02-2023

Date obtained: 27-02-2023

Date published: 13-03-2023

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	4	7
carbonaceous biochemical oxygen demand	mg/L	on bypass	4	2	3	5
faecal coliforms	CFU/100mL	on bypass	4	69	207	430
nitrogen (ammonia)	mg/L	on bypass	4	0.2	0.33	0.4
nitrogen (total)	mg/L	on bypass	4	3.05	3.22	3.47
phosphorus (total)	mg/L	on bypass	4	0.09	0.12	0.2
total suspended solids	mg/L	on bypass	4	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
biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	4
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	1	-	-	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	440
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.11
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.47
pH	pH Units	every 6 days when irrigating	1	-	-	8.91
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.14
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 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 was not operating on the 2nd, 8th, 14th, 20th and 26th February at the time of sampling during the 6-day cycle.

The irrigation system at Point 13 was not operating on the 2nd, 14th, 20th and 26th February at the time of sampling during the 6-day cycle.

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 Water Resource Recovery Facility

## January Pollution Monitoring Summary



### EPL 10555

Summary period: 01-01-2023 to 31-01-2023

Date obtained: 08-02-2023

Date published: 15-02-2023

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	4.11	6
carbonaceous biochemical oxygen demand	mg/L	on bypass	9	<2	4	5
faecal coliforms	CFU/100mL	on bypass	9	44	274	550
nitrogen (ammonia)	mg/L	on bypass	9	0.1	0.28	0.5
nitrogen (total)	mg/L	on bypass	9	1.95	2.93	3.62
phosphorus (total)	mg/L	on bypass	9	0.1	0.14	0.16
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	1	11	21
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.03	0.04	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.18	2.48	2.77
pH	pH Units	every 6 days when irrigating	2	10.08	10.11	10.13
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.25	0.26	0.27
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	3	3	4.33	5
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	3	4	5
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	42	104	220
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.05	0.14	0.23
nitrogen (total)	mg/L	every 6 days when irrigating	3	1.84	2.51	3.17

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
pH	pH Units	every 6 days when irrigating	3	8.1	8.78	9.46
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.09	0.14	0.19
total suspended solids	mg/L	every 6 days when irrigating	3	<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 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 was not operating on the 15th, 21st and 27th January at the time of sampling during the 6-day cycle. The irrigation system at Point 13 was not operating on the 15th and 21st January at the time of sampling during the 6-day cycle.

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 Water Resource Recovery Facility

## December Pollution Monitoring Summary



### EPL 10555

Summary period: 01-12-2022 to 31-12-2022

Date obtained: 04-01-2023

Date published: 10-01-2023

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
biochemical oxygen demand	mg/L	every 6 days when irrigating	3	2	2.33	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	4	29	67
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.01	0.02	0.03
nitrogen (total)	mg/L	every 6 days when irrigating	3	2.52	3.14	3.91
pH	pH Units	every 6 days when irrigating	3	9.24	9.81	10.23
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.34	0.6	0.76
total suspended solids	mg/L	every 6 days when irrigating	3	5	8	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
biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	3	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	16	22	26
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.11	0.15	0.22
nitrogen (total)	mg/L	every 6 days when irrigating	3	2.05	2.72	3.06
pH	pH Units	every 6 days when irrigating	3	9.02	9.24	9.5
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.07	0.12	0.16
total suspended solids	mg/L	every 6 days when irrigating	3	<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 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 on the 4th and 22nd of December at the time of sampling during the 6-day cycle.

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), no discharge from EPA Point 1 during the December period occurred



# Picton Water Resource Recovery Facility

## November Pollution Monitoring Summary



### EPL 10555

Summary period: 01-11-2022 to 30-11-2022

Date obtained: 29-11-2022

Date published: 05-12-2022

**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	15	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	on bypass	15	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	15	9	60	380
nitrogen (ammonia)	mg/L	on bypass	15	<0.1	0.1	0.2
nitrogen (total)	mg/L	on bypass	15	3.26	3.53	3.89
phosphorus (total)	mg/L	on bypass	15	0.05	0.08	0.11
total suspended solids	mg/L	on bypass	15	<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 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 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 Water Resource Recovery Facility

## October Pollution Monitoring Summary



### EPL 10555

Summary period: 01-10-2022 to 31-10-2022

Date obtained: 07-11-2022

Date published: 15-11-2022

**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	2
carbonaceous biochemical oxygen demand	mg/L	on bypass	13	<2	<2	<2
faecal coliforms	CFU/100mL	on bypass	13	9	25	48
nitrogen (ammonia)	mg/L	on bypass	13	0.2	0.45	0.6
nitrogen (total)	mg/L	on bypass	13	3.4	3.7	3.99
phosphorus (total)	mg/L	on bypass	13	0.05	0.12	0.15
total suspended solids	mg/L	on bypass	13	<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 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 October 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 Water Resource Recovery Facility

## September Pollution Monitoring Summary



### EPL 10555

Summary period: 01-09-2022 to 30-09-2022

Date obtained: 10-10-2022

Date published: 21-10-2022

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	16	<2	<2	6
carbonaceous biochemical oxygen demand	mg/L	on bypass	16	<2	<2	6
faecal coliforms	CFU/100mL	on bypass	16	1	15	61
nitrogen (ammonia)	mg/L	on bypass	16	0.2	0.42	0.8
nitrogen (total)	mg/L	on bypass	16	3.14	3.72	4.18
phosphorus (total)	mg/L	on bypass	16	0.04	0.07	0.14
total suspended solids	mg/L	on bypass	16	<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 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 September 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 Water Resource Recovery Facility

## August Pollution Monitoring Summary



### EPL 10555

Summary period: 01-08-2022 to 31-08-2022

Date obtained: 12-09-2022

Date published: 15-09-2022

**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	6	2	3.33	5
carbonaceous biochemical oxygen demand	mg/L	on bypass	6	2	3	4
faecal coliforms	CFU/100mL	on bypass	6	17	27	41
nitrogen (ammonia)	mg/L	on bypass	6	0.1	0.3	0.6
nitrogen (total)	mg/L	on bypass	6	3.72	4.01	4.52
phosphorus (total)	mg/L	on bypass	6	0.05	0.07	0.1
total suspended solids	mg/L	on bypass	6	2	4	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 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 August 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 Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 10555

Summary period: 01-07-2022 to 31-07-2022

Date obtained: 11-08-2022

Date published: 25-08-2022

**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	21	<2	2.52	9
carbonaceous biochemical oxygen demand	mg/L	on bypass	21	<2	<2	8
faecal coliforms	CFU/100mL	on bypass	21	24	3511	33,000
nitrogen (ammonia)	mg/L	on bypass	21	<0.1	0.9	1.3
nitrogen (total)	mg/L	on bypass	21	4.14	4.45	5
phosphorus (total)	mg/L	on bypass	21	0.06	0.21	0.24
total suspended solids	mg/L	on bypass	21	<2	7	25

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 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).