

# Picton Water Resource Recovery Facility

## August Pollution Monitoring Summary



### EPL 10555

Summary period: 01-08-2025 to 31-08-2025  
Date obtained: 29-08-2025  
Date published: 12-09-2025

**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	every weekday discharge	15	<2	<2	2
chlorophyll-a	mg/m3	every weekday discharge	15	0.5	2.16	4.58
faecal coliforms	CFU/100mL	every weekday discharge	15	<1	24	150
nitrogen (ammonia)	mg/L	every weekday discharge	15	0.3	0.41	0.5
nitrogen (total)	mg/L	every weekday discharge	15	3.82	4.23	4.74
oxidised nitrogen	mg/L	every weekday discharge	15	2.06	2.61	3.23
pH	pH Units	every weekday discharge	15	7.3	7.41	7.5
phosphorus (total)	mg/L	every weekday discharge	15	0.06	0.09	0.11
soluble reactive phosphorus	mg/L	every weekday discharge	15	0.03	0.06	0.08
total suspended solids	mg/L	every weekday discharge	15	<2	<2	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 systems 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: 01-07-2025 to 31-07-2025

Date obtained: 08-08-2025

Date published: 15-08-2025

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	every weekday discharge	8	<2	<2	2
chlorophyll-a	mg/m3	every weekday discharge	8	2.22	3.17	5.33
faecal coliforms	CFU/100mL	every weekday discharge	8	8	43	150
nitrogen (ammonia)	mg/L	every weekday discharge	8	0.3	0.3	0.3
nitrogen (total)	mg/L	every weekday discharge	8	3.67	4.15	4.48
oxidised nitrogen	mg/L	every weekday discharge	8	2.42	2.80	3.12
pH	pH Units	every weekday discharge	8	7.0	7.13	7.3
phosphorus (total)	mg/L	every weekday discharge	8	0.02	0.03	0.04
soluble reactive phosphorus	mg/L	every weekday discharge	8	<0.002	0.003	0.008
total suspended solids	mg/L	every weekday discharge	8	<2	4	19

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
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	12
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	1.79
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	3.9
pH	pH Units	every 6 days when irrigating	1	-	-	7.65
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.47
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
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.04
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.01
pH	pH Units	every 6 days when irrigating	1	-	-	7.8
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 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 Point 11 and Point 13 were not operating on the 3<sup>rd</sup>, 9<sup>th</sup>, 15<sup>th</sup> and 27<sup>th</sup> of July 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).