

Picton Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 10555

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

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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).