Picton Water Resource Recovery Facility
July Pollution Monitoring Summary

EPL 10555

Summary period: 01-07-2026 to 31-07-2026
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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	23	<2	<2	37
chlorophyll-a	mg/m3	every weekday discharge	23	1.60	3.74	6.71
faecal coliforms	CFU/100mL	every weekday discharge	23	4	26	210
nitrogen (ammonia)	mg/L	every weekday discharge	23	0.2	0.3	0.4
nitrogen (total)	mg/L	every weekday discharge	23	4.94	5.28	5.87
oxidised nitrogen	mg/L	every weekday discharge	23	4.04	4.42	4.69
pH	pH Units	every weekday discharge	23	6.5	7.3	7.5
phosphorus (total)	mg/L	every weekday discharge	23	0.027	0.037	0.080
soluble reactive phosphorus	mg/L	every weekday discharge	23	<0.002	0.002	0.009
total suspended solids	mg/L	every weekday discharge	23	<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	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	14	132	250
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.26	0.27	0.28
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.24	3.29	3.33
pH	pH Units	every 6 days when irrigating	2	7.51	7.55	7.59
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.337	0.340	0.343
soluble reactive phosphorus	mg/L	every 6 days when irrigating	2	0.291	0.300	0.308
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
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	6	8	9
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.22	0.25	0.27
nitrogen (total)	mg/L	every 6 days when irrigating	2	5.20	5.24	5.28
pH	pH Units	every 6 days when irrigating	2	7.19	7.28	7.37
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.031	0.033	0.035
soluble reactive phosphorus	mg/L	every 6 days when irrigating	2	<0.002	0.005	0.009
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 PI0011 and PI0013 is required when the irrigation system at EPA Point 11 and 13, respectively, are 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).