

Picton Wastewater Treatment Plant

2025-26 Pollution monitoring yearly limit summaries



EPL 10555

Summary period: 01-07-2025 to 30-06-2026

Date published: 20-07-2026

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary

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	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every weekday when discharging	102	<2	11	2	<2	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	102	<0.1	0.5	0.5	0.2	yes
nitrogen (total)	mg/L	every weekday when discharging	102	1.95	5.55	4.5	4.03	yes
phosphorus (total)	mg/L	every weekday when discharging	102	0.022	0.112	0.1	0.050	yes
total suspended solids	mg/L	every weekday when discharging	102	<2	19	5	2	yes

80 percentile yearly summary

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	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every weekday when discharging	102	<1	7,100	200	110	yes

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90 percentile yearly summary

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	maximum result	90 percentile limit	90 percentile value	within limits
biochemical oxygen demand	mg/L	every weekday when discharging	102	<2	11	5	3	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	102	<0.1	0.5	1	0.4	yes
nitrogen (total)	mg/L	every weekday when discharging	102	1.95	5.55	7	5.01	yes
phosphorus (total)	mg/L	every weekday when discharging	102	0.022	0.112	0.3	0.086	yes
total suspended solids	mg/L	every weekday when discharging	102	<2	19	10	5	yes

50 percentile yearly summary

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	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days when irrigating	19	<2	9	10	<2	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	19	5	760	2,000	32	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	19	0.01	1.79	2	0.66	yes
nitrogen (total)	mg/L	every 6 days when irrigating	19	3.21	6.73	10	4.11	yes
pH	pH Units	every 6 days when irrigating	19	7.36	9.76	6.5 - 9.5	7.93	yes
phosphorus (total)	mg/L	every 6 days when irrigating	19	0.201	0.592	8	0.356	yes
total suspended solids	mg/L	every 6 days when irrigating	19	<2	9	120	<2	yes

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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	maximum result	90 percentile limit	90 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days when irrigating	19	<2	9	15	8	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	19	5	760	10,000	640	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	19	0.01	1.79	5	1.51	yes
nitrogen (total)	mg/L	every 6 days when irrigating	19	3.21	6.73	15	6.15	yes
phosphorus (total)	mg/L	every 6 days when irrigating	19	0.201	0.592	9	0.545	yes
total suspended solids	mg/L	every 6 days when irrigating	19	<2	9	480	5	yes

50 percentile yearly summary								
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	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days when irrigating	20	<2	6	7	<2	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	20	<0.01	0.77	0.5	0.23	yes
nitrogen (total)	mg/L	every 6 days when irrigating	20	2.06	5.79	6	3.16	yes
pH	pH Units	every 6 days when irrigating	20	7.16	9.99	6.5 - 9.5	7.66	yes
phosphorus (total)	mg/L	every 6 days when irrigating	20	0.025	0.146	0.2	0.056	yes
total suspended solids	mg/L	every 6 days when irrigating	20	<2	6	7	<2	yes

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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	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days when irrigating	20	5	290	200	140	yes

90 percentile yearly summary								
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	maximum result	90 percentile limit	90 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days when irrigating	20	<2	6	10	4	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	20	<0.01	0.77	1	0.74	yes
nitrogen (total)	mg/L	every 6 days when irrigating	20	2.06	5.79	10	4.28	yes
phosphorus (total)	mg/L	every 6 days when irrigating	20	0.025	0.146	0.4	0.121	yes
total suspended solids	mg/L	every 6 days when irrigating	20	<2	6	15	4	yes