

Picton Wastewater Treatment Plant

2024-25 Pollution monitoring yearly limit summaries



EPL 10555

Summary period: 01-07-2024 to 30-06-2025

Date published: 01-08-2025

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	87	<2	12	2	<2	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	88	<0.1	1	0.5	0.4	yes
nitrogen (total)	mg/L	every weekday when discharging	88	2.48	6.06	4.5	4.43	yes
phosphorus (total)	mg/L	every weekday when discharging	88	0.02	0.24	0.15	0.07	yes
total suspended solids	mg/L	every weekday when discharging	88	<2	37	5	3	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	88	5	1,000	200	150	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	87	<2	12	5	4	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	88	<0.1	1	1	0.7	yes
nitrogen (total)	mg/L	every weekday when discharging	88	2.48	6.06	7	5.66	yes
phosphorus (total)	mg/L	every weekday when discharging	88	0.02	0.24	0.3	0.14	yes
total suspended solids	mg/L	every weekday when discharging	88	<2	37	10	6	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	18	<2	6	10	2	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	18	1	430	2,000	41	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	18	0.01	1.84	2	0.08	yes
nitrogen (total)	mg/L	every 6 days when irrigating	18	1.58	5.58	10	4.04	yes
pH	pH Units	every 6 days when irrigating	18	7.38	9.72	6.5 - 9.5	9.05	yes
phosphorus (total)	mg/L	every 6 days when irrigating	18	0.19	0.57	8	0.32	yes
total suspended solids	mg/L	every 6 days when irrigating	18	<2	12	120	3	yes

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90 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	90 percentile limit	90 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days when irrigating	18	<2	6	15	6	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	18	1	430	10,000	270	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	18	0.01	1.84	5	0.67	yes
nitrogen (total)	mg/L	every 6 days when irrigating	18	1.58	5.58	15	4.98	yes
phosphorus (total)	mg/L	every 6 days when irrigating	18	0.19	0.57	9	0.56	yes
total suspended solids	mg/L	every 6 days when irrigating	18	<2	12	480	8	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	16	<2	6	7	<2	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	16	<0.01	0.65	0.5	0.18	yes
nitrogen (total)	mg/L	every 6 days when irrigating	16	3.39	6.06	6	4.17	yes
pH	pH Units	every 6 days when irrigating	16	7.45	9.81	6.5 - 9.5	7.89	yes
phosphorus (total)	mg/L	every 6 days when irrigating	16	0.02	0.17	0.2	0.07	yes
total suspended solids	mg/L	every 6 days when irrigating	16	<2	17	7	<2	yes

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80 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	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days when irrigating	16	6	3,400	200	200	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	16	<2	6	10	5	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	16	<0.01	0.65	1	0.65	yes
nitrogen (total)	mg/L	every 6 days when irrigating	16	3.39	6.06	10	5.78	yes
phosphorus (total)	mg/L	every 6 days when irrigating	16	0.02	0.17	0.4	0.14	yes
total suspended solids	mg/L	every 6 days when irrigating	16	<2	17	15	8	yes