

# Picton Wastewater Treatment Plant

## 2023-24 Pollution monitoring yearly limit summaries



### EPL 10555

Summary period: 01-07-2023 to 30-06-2024

Date published: 01-09-2024

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	122	<2	29	2	<2	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	122	<0.1	1.9	0.5	0.4	yes
nitrogen (total)	mg/L	every weekday when discharging	122	2.80	5.84	4.5	4.16	yes
phosphorus (total)	mg/L	every weekday when discharging	122	0.02	0.30	0.15	0.04	yes
total suspended solids	mg/L	every weekday when discharging	122	<2	30	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	122	1	2,500	200	190	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	122	<2	29	5	3	yes
nitrogen (ammonia)	mg/L	every weekday when discharging	122	<0.1	1.9	1	0.6	yes
nitrogen (total)	mg/L	every weekday when discharging	122	2.80	5.84	7	5.18	yes
phosphorus (total)	mg/L	every weekday when discharging	122	0.02	0.30	0.3	0.08	yes
total suspended solids	mg/L	every weekday when discharging	122	<2	30	10	8	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	17	<2	8	10	<2	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	17	2	600	2,000	50	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	17	0.03	0.87	2	0.3	yes
nitrogen (total)	mg/L	every 6 days when irrigating	17	1.37	5.06	10	3.81	yes
pH	pH Units	every 6 days when irrigating	17	7.05	9.69	6.5 - 9.5	7.86	yes
phosphorus (total)	mg/L	every 6 days when irrigating	17	0.06	0.48	8	0.28	yes
total suspended solids	mg/L	every 6 days when irrigating	17	<2	6	120	<2	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	17	<2	8	15	4	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	17	2	600	10,000	490	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	17	0.03	0.87	5	0.64	yes
nitrogen (total)	mg/L	every 6 days when irrigating	17	1.37	5.06	15	4.78	yes
phosphorus (total)	mg/L	every 6 days when irrigating	17	0.06	0.48	9	0.48	yes
total suspended solids	mg/L	every 6 days when irrigating	17	<2	6	480	6	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	15	<2	4	7	<2	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	15	0.01	0.48	0.5	0.14	yes
nitrogen (total)	mg/L	every 6 days when irrigating	15	2.94	4.69	6	4.12	yes
pH	pH Units	every 6 days when irrigating	15	7.30	10.27	6.5 - 9.5	7.7	yes
phosphorus (total)	mg/L	every 6 days when irrigating	15	0.02	0.07	0.2	0.02	yes
total suspended solids	mg/L	every 6 days when irrigating	15	<2	15	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	15	4	450	200	91	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	15	<2	4	10	3	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	15	0.01	0.48	1	0.44	yes
nitrogen (total)	mg/L	every 6 days when irrigating	15	2.94	4.69	10	4.69	yes
phosphorus (total)	mg/L	every 6 days when irrigating	15	0.02	0.07	0.4	0.06	yes
total suspended solids	mg/L	every 6 days when irrigating	15	<2	15	15	5	yes