

Picton Wastewater Treatment Plant

2017-18 Pollution monitoring yearly limit summaries



EPL 10555

Summary period: 01-07-2017 to 30-06-2018

Date published: 14-09-2018

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
carbonaceous biochemical oxygen demand	mg/L	on bypass	20	<2	2	7	<2	yes
nitrogen (ammonia)	mg/L	on bypass	20	<0.1	0.2	0.5	0.1	yes
nitrogen (total)	mg/L	on bypass	20	1.48	5.87	6	5.34	yes
phosphorus (total)	mg/L	on bypass	20	0.02	0.17	0.2	0.02	yes
total suspended solids	mg/L	on bypass	20	<2	10	7	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	on bypass	20	14	1,100	200	95	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
carbonaceous biochemical oxygen demand	mg/L	on bypass	20	<2	2	10	<2	yes
nitrogen (ammonia)	mg/L	on bypass	20	<0.1	0.2	1	0.2	yes
nitrogen (total)	mg/L	on bypass	20	1.48	5.87	10	5.63	yes
phosphorus (total)	mg/L	on bypass	20	0.02	0.17	0.4	0.16	yes
total suspended solids	mg/L	on bypass	20	<2	10	15	<2	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	30	<2	6	10	<2	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	30	8	510	2,000	52	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	30	0.02	0.58	2	0.2	yes
nitrogen (total)	mg/L	every 6 days when irrigating	30	2.2	6.09	10	5.13	yes
pH	pH Units	every 6 days when irrigating	30	7.38	9.68	6.5 - 9.5	8	yes
phosphorus (total)	mg/L	every 6 days when irrigating	30	0.08	1.36	8	0.55	yes
total suspended solids	mg/L	every 6 days when irrigating	30	<2	7	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	30	<2	6	15	4	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	30	8	510	10,000	310	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	30	0.02	0.58	5	0.47	yes
nitrogen (total)	mg/L	every 6 days when irrigating	30	2.2	6.09	15	5.91	yes
phosphorus (total)	mg/L	every 6 days when irrigating	30	0.08	1.36	9	1.21	yes
total suspended solids	mg/L	every 6 days when irrigating	30	<2	7	480	4	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	27	<2	5	7	<2	yes
nitrogen (ammonia)	mg/L	every 6 days when irrigating	27	<0.01	0.44	0.5	0.07	yes
nitrogen (total)	mg/L	every 6 days when irrigating	27	0.94	5.63	6	2.59	yes
pH	pH Units	every 6 days when irrigating	27	7.48	9.76	6.5 - 9.5	8.38	yes
phosphorus (total)	mg/L	every 6 days when irrigating	27	0.02	0.17	0.2	0.07	yes
total suspended solids	mg/L	every 6 days when irrigating	27	<2	12	7	<2	yes

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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
carbonaceous biochemical oxygen demand	mg/L	every 6 days when irrigating	27	<2	5	10	3	yes
faecal coliforms	CFU/100mL	every 6 days when irrigating	27	<1	910	200	460	no ¹
nitrogen (ammonia)	mg/L	every 6 days when irrigating	27	<0.01	0.44	1	0.27	yes
nitrogen (total)	mg/L	every 6 days when irrigating	27	0.94	5.63	10	5.36	yes
phosphorus (total)	mg/L	every 6 days when irrigating	27	0.02	0.17	0.4	0.15	yes
total suspended solids	mg/L	every 6 days when irrigating	27	<2	12	15	10	yes

¹. Contamination of western dam (where disinfected effluent is stored) from birds contributed to faecal coliform exceedance.