Picton Water Resource Recovery Facility
September Pollution Monitoring Summary

EPL 10555

Summary period: 01-09-2024 to 30-09-2024
Date obtained: 09-10-2024
Date published: 23-10-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

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	2	<2	<2	<2
faecal coliforms	CFU/100mL	every weekday discharge	2	32	42	51
nitrogen (ammonia)	mg/L	every weekday discharge	2	0.3	0.3	0.3
nitrogen (total)	mg/L	every weekday discharge	2	5.51	5.75	5.99
phosphorus (total)	mg/L	every weekday discharge	2	0.03	0.03	0.04
total suspended solids	mg/L	every weekday discharge	2	<2	<2	<2

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	3	<2	3	6
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	6	235	430
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.09	0.16	0.3
nitrogen (total)	mg/L	every 6 days when irrigating	3	4.36	4.74	4.97
pH	pH Units	every 6 days when irrigating	3	7.81	8.78	9.27
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.19	0.22	0.23
total suspended solids	mg/L	every 6 days when irrigating	3	<2	4	8

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	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	9	13	17
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.28	0.32	0.36
nitrogen (total)	mg/L	every 6 days when irrigating	2	5.75	5.91	6.06
pH	pH Units	every 6 days when irrigating	2	7.52	7.71	7.89
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.03	0.03	0.03
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.

The irrigation system at Point 11 was not operating on the 12th and 30th of September at the time of sampling during the 6-day cycle.

The irrigation system at Point 13 was not operating on the 6th, 12th and 30th of September at the time of sampling during the 6-day cycle.

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).

Picton Water Resource Recovery Facility
August Pollution Monitoring Summary

EPL 10555

Summary period: 01-08-2024 to 31-08-2024
Date obtained: 04-09-2024
Date published: 13-09-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

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	6	<2	<2	<2
faecal coliforms	CFU/100mL	every weekday discharge	6	10	21	39
nitrogen (ammonia)	mg/L	every weekday discharge	6	0.5	0.6	0.7
nitrogen (total)	mg/L	every weekday discharge	6	4.79	5.59	5.98
phosphorus (total)	mg/L	every weekday discharge	6	0.02	0.03	0.05
total suspended solids	mg/L	every weekday discharge	6	<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	23	57	90
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.57	0.62	0.67
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.62	4.72	4.82
pH	pH Units	every 6 days when irrigating	2	7.38	7.48	7.58
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.27	0.28	0.28
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	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	6	9	12
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.65	0.65	0.65
nitrogen (total)	mg/L	every 6 days when irrigating	2	5.77	5.78	5.78
pH	pH Units	every 6 days when irrigating	2	7.45	7.55	7.65
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.02	0.02	0.02
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.

The irrigation systems at Point 11 and Point 13 were not operating on the 13th, 19th, 25th and 31st of August at the time of sampling during the 6-day cycle.

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).

Picton Water Resource Recovery Facility
July Pollution Monitoring Summary

EPL 10555

Summary period: 01-07-2024 to 31-07-2024
Date obtained: 29-07-2024
Date published: 08-08-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

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	5	<2	<2	2
faecal coliforms	CFU/100mL	every weekday discharge	5	28	50	76
nitrogen (ammonia)	mg/L	every weekday discharge	5	0.3	0.3	0.3
nitrogen (total)	mg/L	every weekday discharge	5	5.32	5.80	6.06
phosphorus (total)	mg/L	every weekday discharge	5	0.04	0.04	0.05
total suspended solids	mg/L	every weekday discharge	5	3	5	8

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. The irrigation systems at Point 11 and Point 13 were not operating at the time of sampling in the 6-day cycle during the July monitoring period.

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).