

Picton Water Resource Recovery Facility

March Pollution Monitoring Summary



EPL 10555

Summary period: 01-03-2024 to 31-03-2024

Date obtained: 08-04-2024

Date published: 18-04-2024

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	4	2	2.25	3
faecal coliforms	CFU/100mL	every weekday discharge	4	54	70	96
nitrogen (ammonia)	mg/L	every weekday discharge	4	0.4	0.45	0.5
nitrogen (total)	mg/L	every weekday discharge	4	3.88	4.26	4.71
phosphorus (total)	mg/L	every weekday discharge	4	0.04	0.05	0.06
total suspended solids	mg/L	every weekday discharge	4	3	6	9

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	4	8
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	50	59	68
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.33	0.36	0.38
nitrogen (total)	mg/L	every 6 days when irrigating	2	1.37	1.73	2.08
pH	pH Units	every 6 days when irrigating	2	9.03	9.21	9.39
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.18	0.19	0.2
total suspended solids	mg/L	every 6 days when irrigating	2	2	3	4

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	1	-	-	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	270
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.24
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.12
pH	pH Units	every 6 days when irrigating	1	-	-	7.68
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.04
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	4

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 were not operating on the 10th, 16th, and 22nd March at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 were not operating on the 10th, 16th, 22nd, and 28th March 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

February Pollution Monitoring Summary



EPL 10555

Summary period: 01-02-2024 to 29-02-2024

Date obtained: 12-03-2024

Date published: 25-03-2024

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	10	<2	<2	3
faecal coliforms	CFU/100mL	every weekday discharge	10	29	53	91
nitrogen (ammonia)	mg/L	every weekday discharge	10	<0.1	0.2	0.6
nitrogen (total)	mg/L	every weekday discharge	10	2.8	3.76	4.41
phosphorus (total)	mg/L	every weekday discharge	10	0.03	0.05	0.07
total suspended solids	mg/L	every weekday discharge	10	4	7	10

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	25	32	38
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.18	0.18	0.18
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.12	2.13	2.14
pH	pH Units	every 6 days when irrigating	2	9.68	9.69	9.69
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.12	0.12	0.12
total suspended solids	mg/L	every 6 days when irrigating	2	2	3	4

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	1	-	-	2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	51
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.48
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.52
pH	pH Units	every 6 days when irrigating	1	-	-	7.43
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.04
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	5

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 were not operating on the 3rd, 15th, and 21st February at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 were not operating on the 3rd, 9th, 15th, and 21st February 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

January Pollution Monitoring Summary



EPL 10555

Summary period: 01-01-2024 to 31-01-2024

Date obtained: 02-02-2024

Date published: 15-02-2024

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	3.33	5
faecal coliforms	CFU/100mL	every weekday discharge	6	27	125	390
nitrogen (ammonia)	mg/L	every weekday discharge	6	<0.1	<0.1	0.1
nitrogen (total)	mg/L	every weekday discharge	6	3.19	3.78	4.32
phosphorus (total)	mg/L	every weekday discharge	6	0.06	0.09	0.11
total suspended solids	mg/L	every weekday discharge	6	7	15	30

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	4	4	4
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	54	127	200
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.64	0.76	0.87
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.54	3.68	3.81
pH	pH Units	every 6 days when irrigating	2	7.05	7.84	8.62
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.28	0.29	0.29
total suspended solids	mg/L	every 6 days when irrigating	2	2	4	6

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	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	12	39	66
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.01	0.02	0.03
nitrogen (total)	mg/L	every 6 days when irrigating	2	2.94	3.25	3.55
pH	pH Units	every 6 days when irrigating	2	9.54	9.91	10.27
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.05	0.06	0.07
total suspended solids	mg/L	every 6 days when irrigating	2	3	9	15

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 were not operating on the 4th, 16th, and 28th January at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 were not operating on the 4th, 16th, and 28th January 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

December Pollution Monitoring Summary



EPL 10555

Summary period: 01-12-2023 to 31-12-2023

Date obtained: 10-01-2024

Date published: 22-01-2024

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	13	<2	<2	13
faecal coliforms	CFU/100mL	every weekday discharge	13	75	563	2,500
nitrogen (ammonia)	mg/L	every weekday discharge	13	0.1	0.48	1.1
nitrogen (total)	mg/L	every weekday discharge	13	3.05	4.16	4.9
phosphorus (total)	mg/L	every weekday discharge	13	0.06	0.09	0.21
total suspended solids	mg/L	every weekday discharge	13	<2	3	9

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	7	11	14
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.1	0.14	0.17
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.39	4.73	5.06
pH	pH Units	every 6 days when irrigating	2	7.55	7.71	7.86
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.14	0.15	0.17
total suspended solids	mg/L	every 6 days when irrigating	2	5	6	6

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	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	130	290	450
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.02	0.08	0.14
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.42	4.56	4.69
pH	pH Units	every 6 days when irrigating	2	7.93	8.39	8.85
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.05	0.06	0.06
total suspended solids	mg/L	every 6 days when irrigating	2	<2	3	5

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 were not operating on the 5th, 17th, and 29th December at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 were not operating on the 5th, 17th, and 29th December 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

November Pollution Monitoring Summary



EPL 10555

Summary period: 01-11-2023 to 30-11-2023

Date obtained: 13-12-2023

Date published: 19-12-2023

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	6
faecal coliforms	CFU/100mL	every weekday discharge	5	54	272	890
nitrogen (ammonia)	mg/L	every weekday discharge	5	<0.1	0.62	1.9
nitrogen (total)	mg/L	every weekday discharge	5	3.14	3.7	4.19
phosphorus (total)	mg/L	every weekday discharge	5	0.02	0.1	0.3
total suspended solids	mg/L	every weekday discharge	5	<2	4	15

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 were not operating on the 5th, 11th, 17th, 23rd and 29th November at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 were not operating on the 5th, 11th, 17th, 23rd and 29th November 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

October Pollution Monitoring Summary



EPL 10555

Summary period: 01-10-2023 to 31-10-2023

Date obtained: 06-11-2023

Date published: 17-11-2023

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	7	<2	<2	<2
faecal coliforms	CFU/100mL	every weekday discharge	7	18	43	66
nitrogen (ammonia)	mg/L	every weekday discharge	7	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every weekday discharge	7	3.7	3.81	4.04
phosphorus (total)	mg/L	every weekday discharge	7	0.02	0.02	0.02
total suspended solids	mg/L	every weekday discharge	7	<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	2	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	21	23	25
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.03	0.06	0.09
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.56	4.67	4.78
pH	pH Units	every 6 days when irrigating	2	8.35	8.54	8.72
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.06	0.08	0.1
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	3	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	23	58	91
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.01	0.02	0.03
nitrogen (total)	mg/L	every 6 days when irrigating	3	3.67	4.07	4.69
pH	pH Units	every 6 days when irrigating	3	8.83	9.3	9.57
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.02	0.02	0.02
total suspended solids	mg/L	every 6 days when irrigating	3	<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 was not operating on the 6th, 18th and 24th October at the time of sampling during the 6-day cycle.

The irrigation systems at Point 13 was not operating on the 6th and 18th October 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

September Pollution Monitoring Summary



EPL 10555

Summary period: 01-09-2023 to 30-09-2023

Date obtained: 03-10-2023

Date published: 13-10-2023

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	11	<2	<2	7
faecal coliforms	CFU/100mL	every weekday discharge	11	4	19	62
nitrogen (ammonia)	mg/L	every weekday discharge	11	0.2	0.21	0.3
nitrogen (total)	mg/L	every weekday discharge	11	3.88	4.07	4.25
phosphorus (total)	mg/L	every weekday discharge	11	0.02	0.02	0.03
total suspended solids	mg/L	every weekday discharge	11	<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	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	2	32	72
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.3	0.32	0.34
nitrogen (total)	mg/L	every 6 days when irrigating	3	3.88	3.93	4.01
pH	pH Units	every 6 days when irrigating	3	7.64	7.82	8.04
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.28	0.3	0.32
total suspended solids	mg/L	every 6 days when irrigating	3	<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	3	<2	<2	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	3	5	36	71
nitrogen (ammonia)	mg/L	every 6 days when irrigating	3	0.12	0.16	0.21
nitrogen (total)	mg/L	every 6 days when irrigating	3	3.83	4	4.1
pH	pH Units	every 6 days when irrigating	3	7.56	7.65	7.7
phosphorus (total)	mg/L	every 6 days when irrigating	3	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days when irrigating	3	<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 was not operating on the 24th and 30th 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 1 4 (precautionary discharge point to stonequarry creek).

Picton Water Resource Recovery Facility

August Pollution Monitoring Summary



EPL 10555

Summary period: 01-08-2023 to 31-08-2023

Date obtained: 01-09-2023

Date published: 14-09-2023

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	on discharge	16	<2	<2	6
faecal coliforms	CFU/100mL	on discharge	16	1	13	29
nitrogen (ammonia)	mg/L	on discharge	16	0.3	0.39	0.4
nitrogen (total)	mg/L	on discharge	16	3.78	4.04	4.2
phosphorus (total)	mg/L	on discharge	16	0.02	0.03	0.04
total suspended solids	mg/L	on discharge	16	<2	<2	5

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	450	525	600
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.3	0.32	0.33
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.73	3.81	3.88
pH	pH Units	every 6 days when irrigating	2	7.72	7.74	7.76
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.4	0.41	0.43
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	4	5	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.42	0.43	0.44
nitrogen (total)	mg/L	every 6 days when irrigating	2	4.15	4.16	4.16
pH	pH Units	every 6 days when irrigating	2	7.3	7.34	7.38
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.02	0.02	0.03

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
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 was not operating on the 13th, 19th, 25th and 31st 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: 01-07-2023 to 31-07-2023

Date obtained: 07-08-2023

Date published: 15-08-2023

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	on discharge	14	<2	2.64	29
faecal coliforms	CFU/100mL	on discharge	14	5	27	81
nitrogen (ammonia)	mg/L	on discharge	14	0.2	0.32	0.5
nitrogen (total)	mg/L	on discharge	14	3.93	4.32	4.62
phosphorus (total)	mg/L	on discharge	14	0.02	0.03	0.08
total suspended solids	mg/L	on discharge	14	<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	2	<2	<2	3
faecal coliforms	CFU/100mL	every 6 days when irrigating	2	56	273	490
nitrogen (ammonia)	mg/L	every 6 days when irrigating	2	0.12	0.14	0.15
nitrogen (total)	mg/L	every 6 days when irrigating	2	3.62	3.71	3.8
pH	pH Units	every 6 days when irrigating	2	7.81	7.84	7.86
phosphorus (total)	mg/L	every 6 days when irrigating	2	0.48	0.48	0.48
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	1	-	-	<2
faecal coliforms	CFU/100mL	every 6 days when irrigating	1	-	-	6
nitrogen (ammonia)	mg/L	every 6 days when irrigating	1	-	-	0.27
nitrogen (total)	mg/L	every 6 days when irrigating	1	-	-	4.23
pH	pH Units	every 6 days when irrigating	1	-	-	7.54
phosphorus (total)	mg/L	every 6 days when irrigating	1	-	-	0.03

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
total suspended solids	mg/L	every 6 days when irrigating	1	-	-	<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 2nd, 8th and 20th July at the time of sampling during the 6-day cycle. The irrigation system at Point 13 was not operating on the 2nd, 8th, 20th and 26th July 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).