

Richmond Water Resource Recovery Facility

June Pollution Monitoring Summary



EPL 1726

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

Date obtained: 06-07-2023

Date published: 19-07-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	0.05
faecal coliforms	CFU/100mL	every 6 days during discharge	5	21	47	75
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	5	6.65	7.06	7.67
phosphorus (total)	mg/L	every 6 days during discharge	5	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days during discharge	5	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.71	1.95	2.3
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	3
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	5	5.6	6.2	7.01
phosphorus (total)	mg/L	every 6 days	5	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Richmond Water Resource Recovery Facility

May Pollution Monitoring Summary



EPL 1726

Summary period: 01-05-2023 to 31-05-2023

Date obtained: 06-06-2023

Date published: 13-06-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	4	14	26	44
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	4	5.14	6.85	7.81
phosphorus (total)	mg/L	every 6 days during discharge	4	0.02	0.02	0.02
total suspended solids	mg/L	every 6 days during discharge	4	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.73	1.96	2.2
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	<0.01
nitrogen (total)	mg/L	every 6 days	5	4.75	5.87	6.81
phosphorus (total)	mg/L	every 6 days	5	0.02	0.03	0.05
total suspended solids	mg/L	every 6 days	5	<2	<2	3

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 6th May 2023 during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility

April Pollution Monitoring Summary



EPL 1726

Summary period: 01-04-2023 to 30-04-2023

Date obtained: 10-05-2023

Date published: 19-05-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	4	14	104	320
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	4	5.07	5.98	6.95
phosphorus (total)	mg/L	every 6 days during discharge	4	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days during discharge	4	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.4	1.86	3.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	5	4.73	5.93	6.98
phosphorus (total)	mg/L	every 6 days	5	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 30th April 2023 during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility

March Pollution Monitoring Summary



EPL 1726

Summary period: 01-03-2023 to 31-03-2023

Date obtained: 11-04-2023

Date published: 14-04-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	6	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	6	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	6	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	6	<1	45	92
nitrogen (ammonia)	mg/L	every 6 days during discharge	6	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	6	5.04	5.93	7.06
phosphorus (total)	mg/L	every 6 days during discharge	6	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days during discharge	6	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	6	1.15	1.46	1.68
faecal coliforms	CFU/100mL	every 6 days	6	<1	<1	3
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	5	4.89	5.56	6.05
phosphorus (total)	mg/L	every 6 days	5	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Richmond Water Resource Recovery Facility

February Pollution Monitoring Summary



EPL 1726

Summary period: 01-02-2023 to 28-02-2023

Date obtained: 08-03-2023

Date published: 17-03-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	3	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	3	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days during discharge	3	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	3	2	5	8
nitrogen (ammonia)	mg/L	every 6 days during discharge	3	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	3	4.35	6.33	8.41
phosphorus (total)	mg/L	every 6 days during discharge	3	0.02	0.02	0.02
total suspended solids	mg/L	every 6 days during discharge	3	<2	<2	<2

EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	4	1.63	1.7	1.82
faecal coliforms	CFU/100mL	every 6 days	4	<1	<1	2
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.14	0.66
nitrogen (total)	mg/L	every 6 days	5	4.92	6.31	7.65
phosphorus (total)	mg/L	every 6 days	5	0.02	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 11th February 2023 during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility

January Pollution Monitoring Summary



EPL 1726

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

Date obtained: 08-02-2023

Date published: 15-02-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	2	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	2	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days during discharge	2	<0.04	0.28	0.55
faecal coliforms	CFU/100mL	every 6 days during discharge	2	2	7	12
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	<0.1	1.1	2.2
nitrogen (total)	mg/L	every 6 days during discharge	2	9.03	9.62	10.2
phosphorus (total)	mg/L	every 6 days during discharge	2	0.01	0.02	0.03
total suspended solids	mg/L	every 6 days during discharge	2	<2	<2	<2

EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.41	1.99	3.9
faecal coliforms	CFU/100mL	every 6 days	5	<1	1	5
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.02	0.11
nitrogen (total)	mg/L	every 6 days	5	6.4	7.41	8.83
phosphorus (total)	mg/L	every 6 days	5	0.01	0.02	0.02
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 12th, 18th, 24th January 2023 during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility

December Pollution Monitoring Summary



EPL 1726

Summary period: 01-12-2022 to 31-12-2022

Date obtained: 12-01-2023

Date published: 18-01-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	2	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	2	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	2	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	2	10	51	92
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	2	5.31	7.29	9.26
phosphorus (total)	mg/L	every 6 days during discharge	2	0.03	0.03	0.03
total suspended solids	mg/L	every 6 days during discharge	2	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	6	1.33	1.48	1.64
faecal coliforms	CFU/100mL	every 6 days	6	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.01	0.02
nitrogen (total)	mg/L	every 6 days	5	4.83	7.41	8.69
phosphorus (total)	mg/L	every 6 days	5	0.02	0.03	0.04
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 1st, 19th, 25th & 31st December 2022 during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility

November Pollution Monitoring Summary



EPL 1726

Summary period: 01-11-2022 to 30-11-2022

Date obtained: 09-12-2022

Date published: 16-12-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	4	15	37	49
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	<0.1	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	4	6.69	7.51	8.05
phosphorus (total)	mg/L	every 6 days during discharge	4	0.02	0.03	0.03
total suspended solids	mg/L	every 6 days during discharge	4	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.08	1.37	1.53
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	5	7.66	8.02	8.52
phosphorus (total)	mg/L	every 6 days	5	0.02	0.03	0.04
total suspended solids	mg/L	every 6 days	5	<2	<2	3

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Discharge from EPA point 16 (RM0016) was off-line on the 25/11/2022 during scheduled 6 day sampling event.

Richmond Water Resource Recovery Facility

October Pollution Monitoring Summary



EPL 1726

Summary period: 01-10-2022 to 31-10-2022

Date obtained: 08-11-2022

Date published: 16-11-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	4
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	4
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	5	10	15	33
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	0.14	0.4
nitrogen (total)	mg/L	every 6 days during discharge	5	6.09	7	7.83
phosphorus (total)	mg/L	every 6 days during discharge	5	0.03	0.03	0.04
total suspended solids	mg/L	every 6 days during discharge	5	<2	<2	<2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	0.39	1.22	1.73
faecal coliforms	CFU/100mL	every 6 days	5	<1	1	5
nitrogen (ammonia)	mg/L	every 6 days	6	0.01	0.09	0.26
nitrogen (total)	mg/L	every 6 days	6	5.75	6.49	7.28
phosphorus (total)	mg/L	every 6 days	6	0.03	0.04	0.05
total suspended solids	mg/L	every 6 days	6	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Richmond Water Resource Recovery Facility

September Pollution Monitoring Summary



EPL 1726

Summary period: 01-09-2022 to 30-09-2022

Date obtained: 06-10-2022

Date published: 14-10-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	6
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	6
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	5	20	35	53
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	0.48	2.4
nitrogen (total)	mg/L	every 6 days during discharge	5	6.04	6.74	7.62
phosphorus (total)	mg/L	every 6 days during discharge	5	0.03	0.04	0.04
total suspended solids	mg/L	every 6 days during discharge	5	<2	<2	<2

EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.16	1.7	3.4
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	1.47	7.28
nitrogen (total)	mg/L	every 6 days	5	5.56	7.39	11.1
phosphorus (total)	mg/L	every 6 days	5	0.03	0.05	0.07
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Richmond Water Resource Recovery Facility

August Pollution Monitoring Summary



EPL 1726

Summary period: 01-08-2022 to 31-08-2022

Date obtained: 02-09-2022

Date published: 09-09-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	9
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	<2	8
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	5	1	8	12
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	0.66	2.4
nitrogen (total)	mg/L	every 6 days during discharge	5	4.84	6.68	8.43
phosphorus (total)	mg/L	every 6 days during discharge	5	0.02	0.03	0.04
total suspended solids	mg/L	every 6 days during discharge	5	<2	<2	2
EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	0.64	3.03	7.9
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.41	1.15
nitrogen (total)	mg/L	every 6 days	5	5.22	6.06	7.53
phosphorus (total)	mg/L	every 6 days	5	0.02	0.03	0.04
total suspended solids	mg/L	every 6 days	5	<2	<2	2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).

Richmond Water Resource Recovery Facility

July Pollution Monitoring Summary



EPL 1726

Summary period: 01-07-2022 to 31-07-2022

Date obtained: 08-08-2022

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Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

EPA Point 16 Site code RM0016		Point description: Outlet of dechlorination tank				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	4.4	13
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	5	<2	4	14
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	5	<1	5	14
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	0.3	0.8
nitrogen (total)	mg/L	every 6 days during discharge	5	3.75	6.35	7.81
phosphorus (total)	mg/L	every 6 days during discharge	5	0.02	0.03	0.06
total suspended solids	mg/L	every 6 days during discharge	5	<2	<2	4

EPA Point 17 Site code RM0017		Point description: Inlet to recycled water pump station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.06	1.71	4
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.67	2.17
nitrogen (total)	mg/L	every 6 days	5	5.18	6.58	7.71
phosphorus (total)	mg/L	every 6 days	5	0.02	0.04	0.1
total suspended solids	mg/L	every 6 days	5	<2	<2	3

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 16 are used to indicate the quality of water discharged at EPA Point 12 (discharge to waters).