Richmond Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 1726

Summary period: 01-06-2019 to 30-06-2019
Date obtained: 11-07-2019
Date published: 17-07-2019

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**
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	5	16	27
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	6.6	7.32	7.87
phosphorus (total)	mg/L	every 6 days during discharge	4	0.02	0.03	0.05
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.02	1.42	1.71
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	5.95	6.76	7.46
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

.

Richmond Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 1726

Summary period: 01-05-2019 to 31-05-2019
Date obtained: 07-06-2019
Date published: 12-06-2019

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**
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	13	26	38
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	5.94	6.2	6.46
phosphorus (total)	mg/L	every 6 days during discharge	2	0.02	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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	6	1.15	1.29	1.43
faecal coliforms	CFU/100mL	every 6 days	6	<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	6.24	6.64	6.91
phosphorus (total)	mg/L	every 6 days	5	0.03	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

.

Richmond Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 1726

Summary period: 01-04-2019 to 30-04-2019
Date obtained: 08-05-2019
Date published: 13-05-2019

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
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	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	5	9	90	390
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	<0.1	<0.1	0.3
nitrogen (total)	mg/L	every 6 days during discharge	5	6.56	7.14	8.29
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	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.12	1.28	1.39
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	6.02	6.94	8.23
phosphorus (total)	mg/L	every 6 days	5	0.02	0.03	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

.

Richmond Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 1726

Summary period: 01-03-2019 to 31-03-2019
Date obtained: 09-04-2019
Date published: 12-04-2019

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**
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	5	8	12
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	6.1	7.44	8.88
phosphorus (total)	mg/L	every 6 days during discharge	4	0.03	0.03	0.04
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.01	1.2	1.62
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	6	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	6	5.55	6.34	7.04
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

.

Richmond Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 1726

Summary period: 01-02-2019 to 28-02-2019
Date obtained: 05-03-2019
Date published: 08-03-2019

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**
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	6	13	20
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	5.76	6.08	6.39
phosphorus (total)	mg/L	every 6 days during discharge	2	0.02	0.02	0.02
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	4	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	4	0.98	1.11	1.24
faecal coliforms	CFU/100mL	every 6 days	4	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	4	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	4	5.71	6.09	6.5
phosphorus (total)	mg/L	every 6 days	4	0.03	0.03	0.05
total suspended solids	mg/L	every 6 days	4	<2	<2	<2

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

.

Richmond Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 1726

Summary period: 01-01-2019 to 31-01-2019
Date obtained: 07-02-2019
Date published: 15-02-2019

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
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
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	16	46	92
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	5.54	6.19	6.84
phosphorus (total)	mg/L	every 6 days during discharge	4	0.03	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	6	1.19	1.48	1.9
faecal coliforms	CFU/100mL	every 6 days	6	<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	5.05	6.16	7.02
phosphorus (total)	mg/L	every 6 days	5	0.03	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

.

Richmond Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 1726

Summary period: 01-12-2018 to 31-12-2018
Date obtained: 11-01-2019
Date published: 18-01-2019

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
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	4	<2	<2	<2
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	3	33	81
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	0.95	3.8
nitrogen (total)	mg/L	every 6 days during discharge	4	6.28	7.69	9.9
phosphorus (total)	mg/L	every 6 days during discharge	4	0.03	0.05	0.1
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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.11	2.53	5.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
nitrogen (ammonia)	mg/L	every 6 days	6	<0.01	0.02	0.08
nitrogen (total)	mg/L	every 6 days	6	6.08	7.14	8.22
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	3

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

.

Richmond Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 1726

Summary period: 01-11-2018 to 30-11-2018
Date obtained: 04-12-2018
Date published: 18-12-2018

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**
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	5	9	13
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	6.81	6.9	6.98
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.28	1.52	1.81
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	5.6	6.08	6.48
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

.

Richmond Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 1726

Summary period: 01-10-2018 to 31-10-2018
Date obtained: 01-11-2018
Date published: 05-11-2018

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**
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	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	2	1	4	6
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	6.58	6.7	6.81
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	5
chlorine (total residual)	mg/L	every 6 days	5	1.56	1.74	1.91
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	5.86	6.26	6.76
phosphorus (total)	mg/L	every 6 days	5	0.03	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

.

Richmond Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 1726

Summary period: 01-09-2018 to 30-09-2018
Date obtained: 04-10-2018
Date published: 17-10-2018

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**
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	<0.04	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	2	<1	4	7
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	5.41	5.58	5.75
phosphorus (total)	mg/L	every 6 days during discharge	2	0.04	0.05	0.06
total suspended solids	mg/L	every 6 days during discharge	2	4	5	6

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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	5
chlorine (total residual)	mg/L	every 6 days	5	1.31	1.52	1.83
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	4.49	4.96	5.67
phosphorus (total)	mg/L	every 6 days	5	0.02	0.04	0.06
total suspended solids	mg/L	every 6 days	5	<2	<2	4

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

.

Richmond Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 1726

Summary period: 01-08-2018 to 31-08-2018
Date obtained: 03-09-2018
Date published: 14-09-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	5
chlorine (total residual)	mg/L	every 6 days	5	1.2	1.41	1.73
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	4.96	5.27	5.61
phosphorus (total)	mg/L	every 6 days	5	0.04	0.05	0.06
total suspended solids	mg/L	every 6 days	5	<2	2	6

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

.

Richmond Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 1726

Summary period: 01-07-2018 to 31-07-2018
Date obtained: 03-08-2018
Date published: 14-08-2018

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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days during discharge	1	-	-	<2
chlorine (total residual)	mg/L	every 6 days during discharge	1	-	-	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	1	-	-	<1
nitrogen (ammonia)	mg/L	every 6 days during discharge	1	-	-	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	1	-	-	6.52
phosphorus (total)	mg/L	every 6 days during discharge	1	-	-	0.03
total suspended solids	mg/L	every 6 days during discharge	1	-	-	<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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.63	2.49	3.8
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	5.6	5.8	6
phosphorus (total)	mg/L	every 6 days	5	0.03	0.03	0.05
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

.