Richmond Water Resource Recovery Facility
March Pollution Monitoring Summary

EPL 1726

Summary period: 01-03-2025 to 31-03-2025
Date obtained: 08-04-2025
Date published: 22-04-2025

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
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
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	<1	3	6
nitrogen (ammonia)	mg/L	every 6 days during discharge	3	<0.1	0.33	1
nitrogen (total)	mg/L	every 6 days during discharge	3	4.18	4.65	5.18
phosphorus (total)	mg/L	every 6 days during discharge	3	0.02	0.03	0.03
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	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	0.74	2.41	3.7
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	6	<0.01	0.17	0.43
nitrogen (total)	mg/L	every 6 days	6	3.96	4.4	5.04
phosphorus (total)	mg/L	every 6 days	6	0.02	0.03	0.03
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).

Discharge from EPA point 16 (RM0016) was offline on the 8th and 20th of March during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
February Pollution Monitoring Summary

EPL 1726

Summary period: 01-02-2025 to 28-02-2025
Date obtained: 04-03-2025
Date published: 15-03-2025

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
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	0.12	0.44
faecal coliforms	CFU/100mL	every 6 days during discharge	4	<1	4	8
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	0.2	0.5
nitrogen (total)	mg/L	every 6 days during discharge	4	3.66	4.31	5.36
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
biochemical oxygen demand	mg/L	every 6 days	4	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	4	1.27	2.16	3.2
faecal coliforms	CFU/100mL	every 6 days	4	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	4	<0.01	0.22	0.85
nitrogen (total)	mg/L	every 6 days	4	2.64	3.71	4.5
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.

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
January Pollution Monitoring Summary

EPL 1726

Summary period: 01-01-2025 to 31-01-2025
Date obtained: 09-02-2025
Date published: 21-02-2025

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
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	0.17	0.69
faecal coliforms	CFU/100mL	every 6 days during discharge	4	<1	7	20
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	4.24	4.63	5.26
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
chlorine (total residual)	mg/L	every 6 days	6	1.81	2.9	4.7
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	3.76	4.58	4.98
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.

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 offline on the 7th and 31st of January during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
December Pollution Monitoring Summary

EPL 1726

Summary period: 01-12-2024 to 31-12-2024
Date obtained: 09-01-2025
Date published: 23-01-2025

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
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	<1	1
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	2.96	3.62	4.27
phosphorus (total)	mg/L	every 6 days during discharge	2	0.02	0.03	0.04
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	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.12	2.9	4.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	6	<0.01	<0.01	0.02
nitrogen (total)	mg/L	every 6 days	6	3.5	4.05	4.51
phosphorus (total)	mg/L	every 6 days	6	0.02	0.03	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).

Discharge from EPA point 16 (RM0016) was offline on the 2nd, 8th and 14th of December during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
November Pollution Monitoring Summary

EPL 1726

Summary period: 01-11-2024 to 30-11-2024
Date obtained: 03-12-2024
Date published: 13-12-2024

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
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.63	3.65	6.20
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.57	2.66
nitrogen (total)	mg/L	every 6 days	5	3.45	5.58	10.7
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.

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 offline for November during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
October Pollution Monitoring Summary

EPL 1726

Summary period: 01-10-2024 to 31-10-2024
Date obtained: 04-11-2024
Date published: 15-11-2024

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
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	<6.3
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	0.34	1.35
faecal coliforms	CFU/100mL	every 6 days during discharge	4	<1	3	6
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	0.58	2.3
nitrogen (total)	mg/L	every 6 days during discharge	4	4.06	6.31	8.39
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
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.30	3.02	6.00
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	3.89	5.36	6.98
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 1.

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 offline on the 9th October during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
September Pollution Monitoring Summary

EPL 1726

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 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
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	28	30	32
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	<0.1	0.15	0.3
nitrogen (total)	mg/L	every 6 days during discharge	2	6.94	7.93	8.91
phosphorus (total)	mg/L	every 6 days during discharge	2	0.03	0.03	0.04
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
chlorine (total residual)	mg/L	every 6 days	5	0.95	1.31	1.98
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.1	0.25
nitrogen (total)	mg/L	every 6 days	5	4.74	7.43	10
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 1.

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 offline on the 3rd, 9th and 27th of September during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
August Pollution Monitoring Summary

EPL 1726

Summary period: 01-08-2024 to 31-08-2024
Date obtained: 07-09-2024
Date published: 13-09-2024

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	6
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	<1	4	7
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	<0.1	0.3	1
nitrogen (total)	mg/L	every 6 days during discharge	4	7.85	8.22	8.42
phosphorus (total)	mg/L	every 6 days during discharge	4	0.03	0.05	0.08
total suspended solids	mg/L	every 6 days during discharge	4	<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
chlorine (total residual)	mg/L	every 6 days	5	1.2	2.3	4.3
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.18	0.72
nitrogen (total)	mg/L	every 6 days	5	6.07	7.12	7.68
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	3

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

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 offline on the 28th August during scheduled 6 day sampling events.

Richmond Water Resource Recovery Facility
July Pollution Monitoring Summary

EPL 1726

Summary period: 01-07-2024 to 31-07-2024
Date obtained: 08-08-2024
Date published: 16-08-2024

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	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	2	7
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	6.20	6.78	7.36
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
chlorine (total residual)	mg/L	every 6 days	5	1.33	1.8	2.5
faecal coliforms	CFU/100mL	every 6 days	5	<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	6.03	6.31	6.56
phosphorus (total)	mg/L	every 6 days	5	0.02	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 1.

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).