Richmond Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 1726

Summary period: 01-06-2020 to 30-06-2020
Date obtained: 08-07-2020
Date published: 20-07-2020

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	26	41	66
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	5.29	5.84	6.45
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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.81	1.9	2.08
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	5.05	5.48	6.22
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

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Richmond Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 1726

Summary period: 01-05-2020 to 31-05-2020
Date obtained: 09-06-2020
Date published: 17-06-2020

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	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	24	59	120
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	6.66	7.73	8.6
phosphorus (total)	mg/L	every 6 days during discharge	6	0.02	0.03	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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	6	1.45	1.71	1.89
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	6.91	7.35
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

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Richmond Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 1726

Summary period: 01-04-2020 to 30-04-2020
Date obtained: 07-05-2020
Date published: 15-05-2020

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	64	148	260
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	6.51	7.35	8.09
phosphorus (total)	mg/L	every 6 days during discharge	5	0.02	0.03	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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.43	1.65	1.85
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	6.55	7.24	7.89
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

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Richmond Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 1726

Summary period: 01-03-2020 to 31-03-2020
Date obtained: 07-04-2020
Date published: 17-04-2020

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	76	158	240
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	6.1	6.18	6.25
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	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.41	1.65	1.83
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	5.38	5.97	6.93
phosphorus (total)	mg/L	every 6 days	6	0.02	0.03	0.04
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

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Richmond Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 1726

Summary period: 01-02-2020 to 29-02-2020
Date obtained: 02-03-2020
Date published: 13-03-2020

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	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	81	1630	4,400
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	5.42	5.71	5.96
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	3

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	5	0.42	1.18	1.59
faecal coliforms	CFU/100mL	every 6 days	5	<1	2	9
nitrogen (ammonia)	mg/L	every 6 days	4	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	4	4.08	5.4	5.98
phosphorus (total)	mg/L	every 6 days	4	0.03	0.03	0.04
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

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Richmond Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 1726

Summary period: 01-01-2020 to 31-01-2020
Date obtained: 07-02-2020
Date published: 14-02-2020

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	-	-	2,800
nitrogen (ammonia)	mg/L	every 6 days during discharge	1	-	-	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	1	-	-	8.28
phosphorus (total)	mg/L	every 6 days during discharge	1	-	-	0.05
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	6	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.08	1.19	1.31
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	4.38	7.31	9.12
phosphorus (total)	mg/L	every 6 days	6	0.03	0.04	0.07
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

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Richmond Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 1726

Summary period: 01-12-2019 to 31-12-2019
Date obtained: 02-01-2020
Date published: 10-01-2020

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
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly during discharge	1	-	-	100
chlorine (total residual)	mg/L	every 6 days during discharge	1	-	-	<0.04
faecal coliforms	CFU/100mL	every 6 days during discharge	1	-	-	1,400
nitrogen (ammonia)	mg/L	every 6 days during discharge	1	-	-	<0.1
nitrogen (total)	mg/L	every 6 days during discharge	1	-	-	5.26
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	0.81	1.06	1.44
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	4.12	5.6	6.61
phosphorus (total)	mg/L	every 6 days	5	0.04	0.04	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

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Richmond Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 1726

Summary period: 01-11-2019 to 30-11-2019
Date obtained: 04-12-2019
Date published: 12-12-2019

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
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	59	205	350
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	6.17	7.09	8
phosphorus (total)	mg/L	every 6 days during discharge	2	0.02	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	3
chlorine (total residual)	mg/L	every 6 days	5	0.82	1.13	1.41
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	5.33	6.6	8.09
phosphorus (total)	mg/L	every 6 days	5	0.03	0.04	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

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Richmond Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 1726

Summary period: 01-10-2019 to 31-10-2019
Date obtained: 12-11-2019
Date published: 22-11-2019

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	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	7	78	130
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	4.55	5.66	6.67
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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.24	1.37	1.61
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	4.34	5.67	6.48
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

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Richmond Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 1726

Summary period: 01-09-2019 to 30-09-2019
Date obtained: 04-10-2019
Date published: 15-10-2019

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	<2
chlorine (total residual)	mg/L	every 6 days	5	0.77	1.08	1.43
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.35	1.67
nitrogen (total)	mg/L	every 6 days	5	4.53	5.74	7.79
phosphorus (total)	mg/L	every 6 days	5	0.03	0.07	0.13
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

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Richmond Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 1726

Summary period: 01-08-2019 to 31-08-2019
Date obtained: 06-09-2019
Date published: 16-09-2019

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	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	4	5	7
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	5.34	6	6.67
phosphorus (total)	mg/L	every 6 days during discharge	3	0.03	0.03	0.04
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	1.05	1.46	1.77
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.05	0.19
nitrogen (total)	mg/L	every 6 days	5	4.92	5.68	6.32
phosphorus (total)	mg/L	every 6 days	5	0.03	0.04	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

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Richmond Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 1726

Summary period: 01-07-2019 to 31-07-2019
Date obtained: 05-08-2019
Date published: 17-08-2019

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	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	5	16	36
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	6.09	6.91	7.6
phosphorus (total)	mg/L	every 6 days during discharge	3	0.02	0.03	0.04
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**
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorine (total residual)	mg/L	every 6 days	5	0.89	1.29	1.51
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	2
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.03	0.12
nitrogen (total)	mg/L	every 6 days	5	5.92	6.83	8.46
phosphorus (total)	mg/L	every 6 days	5	0.03	0.04	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

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