Winmalee Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 1963

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: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	4.7
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
iron	ug/L	monthly	1	-	-	389
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.22	0.95
nitrogen (total)	mg/L	every 6 days	5	8.26	9.55	11.7
phosphorus (total)	mg/L	every 6 days	5	0.09	0.1	0.15
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	11

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

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Winmalee Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 1963

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: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	7
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	6	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	4
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	6	2	7	16
iron	ug/L	monthly	1	-	-	354
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.15	0.68
nitrogen (total)	mg/L	every 6 days	5	7.9	9.33	11.3
phosphorus (total)	mg/L	every 6 days	5	0.08	0.1	0.13
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	11

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

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Winmalee Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 1963

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: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	4.8
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	4	7	10
iron	ug/L	monthly	1	-	-	448
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.06	0.2
nitrogen (total)	mg/L	every 6 days	5	7.94	8.89	10
phosphorus (total)	mg/L	every 6 days	5	0.1	0.12	0.14
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	12

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

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Winmalee Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 1963

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: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	7
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	4.4
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	6	26	67
iron	ug/L	monthly	1	-	-	265
nitrogen (ammonia)	mg/L	every 6 days	6	0.01	0.02	0.02
nitrogen (total)	mg/L	every 6 days	6	6.33	8.34	11.4
phosphorus (total)	mg/L	every 6 days	6	0.11	0.13	0.17
total suspended solids	mg/L	every 6 days	6	<2	<2	<2
zinc	ug/L	monthly	1	-	-	11

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

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Winmalee Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 1963

Summary period: 01-02-2019 to 28-02-2019
Date obtained: 11-03-2019
Date published: 15-03-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	4	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	4	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	4.4
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	4	20	59	140
iron	ug/L	monthly	1	-	-	402
nitrogen (ammonia)	mg/L	every 6 days	4	0.02	0.12	0.42
nitrogen (total)	mg/L	every 6 days	4	8.14	8.69	9.12
phosphorus (total)	mg/L	every 6 days	4	0.14	0.17	0.2
total suspended solids	mg/L	every 6 days	4	<2	<2	<2
zinc	ug/L	monthly	1	-	-	12

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

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Winmalee Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 1963

Summary period: 01-01-2019 to 31-01-2019
Date obtained: 13-02-2019
Date published: 22-02-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	15
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	6	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.5
copper	ug/L	monthly	1	-	-	4.3
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	6	<1	6	17
iron	ug/L	monthly	1	-	-	652
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.57	1.91
nitrogen (total)	mg/L	every 6 days	5	7.65	8.17	8.9
phosphorus (total)	mg/L	every 6 days	5	0.13	0.17	0.23
total suspended solids	mg/L	every 6 days	5	<2	<2	2
zinc	ug/L	monthly	1	-	-	13

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

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Winmalee Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 1963

Summary period: 01-12-2018 to 31-12-2018
Date obtained: 14-01-2019
Date published: 18-01-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	6
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	3.6
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	24	79
iron	ug/L	monthly	1	-	-	316
nitrogen (ammonia)	mg/L	every 6 days	6	0.04	0.36	1.05
nitrogen (total)	mg/L	every 6 days	6	4.96	8.2	11
phosphorus (total)	mg/L	every 6 days	6	0.09	0.11	0.13
total suspended solids	mg/L	every 6 days	6	<2	<2	2
zinc	ug/L	monthly	1	-	-	11

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

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Winmalee Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 1963

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: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	6
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	5.7
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	7	28	70
iron	ug/L	monthly	1	-	-	264
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.39	1.01
nitrogen (total)	mg/L	every 6 days	5	7.18	8.36	9.67
phosphorus (total)	mg/L	every 6 days	5	0.1	0.14	0.18
total suspended solids	mg/L	every 6 days	5	<2	<2	3
zinc	ug/L	monthly	1	-	-	13

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

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Winmalee Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 1963

Summary period: 01-10-2018 to 31-10-2018
Date obtained: 12-11-2018
Date published: 23-11-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	4.2
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	13	38
iron	ug/L	monthly	1	-	-	599
nitrogen (ammonia)	mg/L	every 6 days	5	0.06	1	3.36
nitrogen (total)	mg/L	every 6 days	5	5.98	7.78	9.62
phosphorus (total)	mg/L	every 6 days	5	0.12	0.16	0.28
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	18

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

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Winmalee Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 1963

Summary period: 01-09-2018 to 30-09-2018
Date obtained: 15-10-2018
Date published: 19-10-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	3	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	4.3
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	6	138	620
iron	ug/L	monthly	1	-	-	540
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.29	1.35
nitrogen (total)	mg/L	every 6 days	5	5.15	7.73	10.3
phosphorus (total)	mg/L	every 6 days	5	0.1	0.11	0.13
total suspended solids	mg/L	every 6 days	5	<2	<2	3
zinc	ug/L	monthly	1	-	-	16

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

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Winmalee Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 1963

Summary period: 01-08-2018 to 31-08-2018
Date obtained: 11-09-2018
Date published: 14-09-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	<0.04
cobalt	ug/L	monthly	1	-	-	0.4
copper	ug/L	monthly	1	-	-	4.5
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	6	21	46
iron	ug/L	monthly	1	-	-	299
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.16	0.72
nitrogen (total)	mg/L	every 6 days	5	6.74	7.7	8.83
phosphorus (total)	mg/L	every 6 days	5	0.07	0.08	0.09
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	11

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

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Winmalee Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 1963

Summary period: 01-07-2018 to 31-07-2018
Date obtained: 09-08-2018
Date published: 14-08-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	30	<2	yes
total suspended solids	mg/L	monthly	30	<2	yes

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	<5
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
chlorine (total residual)	mg/L	every 6 days	5	<0.04	<0.04	0.08
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	5.9
diazinon	ug/L	monthly	1	-	-	<0.1
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	2
iron	ug/L	monthly	1	-	-	328
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.23	0.48
nitrogen (total)	mg/L	every 6 days	5	6.98	8.4	10.6
phosphorus (total)	mg/L	every 6 days	5	0.07	0.07	0.08
total suspended solids	mg/L	every 6 days	5	<2	<2	2
zinc	ug/L	monthly	1	-	-	11

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

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