Rouse Hill Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	90
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	-	-	2
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	2
iron	ug/L	monthly	1	-	-	17
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.07	0.2
nitrogen (total)	mg/L	every 6 days	5	5.89	6.84	7.5
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
zinc	ug/L	monthly	1	-	-	20

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

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Rouse Hill Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 4965

Summary period: 01-05-2019 to 31-05-2019
Date obtained: 04-06-2019
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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	57
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	-	-	1.7
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	2
iron	ug/L	monthly	1	-	-	18
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.03	0.08
nitrogen (total)	mg/L	every 6 days	5	5.86	6.61	7.14
phosphorus (total)	mg/L	every 6 days	5	0.01	0.01	0.02
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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Rouse Hill Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 4965

Summary period: 01-04-2019 to 30-04-2019
Date obtained: 06-05-2019
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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	46
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	-	-	2.7
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	1	3
iron	ug/L	monthly	1	-	-	13
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.02	0.02
nitrogen (total)	mg/L	every 6 days	5	5.08	5.38	5.77
phosphorus (total)	mg/L	every 6 days	5	0.01	0.01	0.02
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	19

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

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Rouse Hill Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	58
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	-	-	2.2
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	2	6
iron	ug/L	monthly	1	-	-	13
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.19	0.76
nitrogen (total)	mg/L	every 6 days	5	4.24	5.33	6.01
phosphorus (total)	mg/L	every 6 days	5	0.01	0.01	0.01
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	20

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

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Rouse Hill Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	52
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	-	-	0.2
copper	ug/L	monthly	1	-	-	2.4
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	520	2,600
iron	ug/L	monthly	1	-	-	20
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.02	0.02
nitrogen (total)	mg/L	every 6 days	5	4.67	5.37	6.84
phosphorus (total)	mg/L	every 6 days	5	0.01	0.01	0.02
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
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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Rouse Hill Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	66
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	-	-	3.4
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
iron	ug/L	monthly	1	-	-	20
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.02	0.02
nitrogen (total)	mg/L	every 6 days	5	5.47	6.16	8.34
phosphorus (total)	mg/L	every 6 days	5	0.01	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	3
zinc	ug/L	monthly	1	-	-	17

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

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Rouse Hill Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 4965

Summary period: 01-12-2018 to 31-12-2018
Date obtained: 07-01-2019
Date published: 11-01-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	98
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	-	-	0.5
copper	ug/L	monthly	1	-	-	2.9
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
iron	ug/L	monthly	1	-	-	38
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.06	0.12
nitrogen (total)	mg/L	every 6 days	5	4.23	5.59	6.49
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
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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Rouse Hill Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 4965

Summary period: 01-11-2018 to 30-11-2018
Date obtained: 07-12-2018
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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	60
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	0.18	0.92
cobalt	ug/L	monthly	1	-	-	0.3
copper	ug/L	monthly	1	-	-	2.5
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	68	340
iron	ug/L	monthly	1	-	-	21
nitrogen (ammonia)	mg/L	every 6 days	5	0.03	0.38	1.74
nitrogen (total)	mg/L	every 6 days	5	6.28	7.64	8.62
phosphorus (total)	mg/L	every 6 days	5	0.01	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	21

EPA Point 5 Site code RH0005	Point description: Downstream of the dechlorinated effluent					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	1	-	-	8
chlorine (total residual)	mg/L	on bypass	1	-	-	0.09
faecal coliforms	CFU/100mL	on bypass	1	-	-	550,000
nitrogen (ammonia)	mg/L	on bypass	1	-	-	5.9
nitrogen (total)	mg/L	on bypass	1	-	-	12
phosphorus (total)	mg/L	on bypass	1	-	-	0.85
total suspended solids	mg/L	on bypass	1	-	-	20

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

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Rouse Hill Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 4965

Summary period: 01-10-2018 to 31-10-2018
Date obtained: 22-11-2018
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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	66
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	-	-	2.4
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	1	4
iron	ug/L	monthly	1	-	-	24
nitrogen (ammonia)	mg/L	every 6 days	5	0.03	0.37	1.09
nitrogen (total)	mg/L	every 6 days	5	4.69	5.35	5.86
phosphorus (total)	mg/L	every 6 days	5	0.01	0.02	0.03
total suspended solids	mg/L	every 6 days	5	<2	<2	4
zinc	ug/L	monthly	1	-	-	16

EPA Point 5 Site code RH0005	Point description: Downstream of the dechlorinated effluent					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
carbonaceous biochemical oxygen demand	mg/L	on bypass	2	<2	5	10
chlorine (total residual)	mg/L	on bypass	2	<0.04	0.66	1.32
faecal coliforms	CFU/100mL	on bypass	2	7	225004	450,000
nitrogen (ammonia)	mg/L	on bypass	2	1.5	3.8	6.1
nitrogen (total)	mg/L	on bypass	2	5.28	8.64	12
phosphorus (total)	mg/L	on bypass	2	0.03	0.54	1.05
total suspended solids	mg/L	on bypass	2	<2	21	41

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

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Rouse Hill Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	97
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	-	-	2.4
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
iron	ug/L	monthly	1	-	-	18
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.24	0.39
nitrogen (total)	mg/L	every 6 days	5	5.16	5.87	6.98
phosphorus (total)	mg/L	every 6 days	5	0.01	0.01	0.02
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	22

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

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Rouse Hill Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	132
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	-	-	3.5
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	6	<1	<1	1
iron	ug/L	monthly	1	-	-	19
nitrogen (ammonia)	mg/L	every 6 days	5	0.74	0.92	1.21
nitrogen (total)	mg/L	every 6 days	5	7.35	7.75	8.12
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
zinc	ug/L	monthly	1	-	-	23

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

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Rouse Hill Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 4965

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 RH0004	Point description: Outlet of the dechlorination tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes
total suspended solids	mg/L	monthly	20	<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 RH0004	Point description: Outlet of the dechlorination tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	149
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	-	-	0.3
copper	ug/L	monthly	1	-	-	4
cyanide	ug/L	monthly	1	-	-	<5
faecal coliforms	CFU/100mL	every 6 days	5	<1	1	3
iron	ug/L	monthly	1	-	-	32
nitrogen (ammonia)	mg/L	every 6 days	6	0.04	0.35	1.02
nitrogen (total)	mg/L	every 6 days	6	5.75	6.68	7.68
phosphorus (total)	mg/L	every 6 days	6	0.01	0.02	0.02
total suspended solids	mg/L	every 6 days	6	<2	<2	3
zinc	ug/L	monthly	1	-	-	23

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

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