Cronulla Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 1728

Summary period: 01-06-2020 to 30-06-2020
Date obtained: 08-07-2020
Date published: 14-07-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	28
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	5
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	9.2
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	5.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	6
zinc	ug/L	monthly	1	-	-	33

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	5	184	790
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	77.6

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

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Cronulla Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	23
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	3
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.6
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	8.2
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	4
zinc	ug/L	monthly	1	-	-	32

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	59	100
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	87.3

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

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Cronulla Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	25
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.7
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	3.2
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	26

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	5	29	60
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 1728

Summary period: 01-03-2020 to 31-03-2020
Date obtained: 04-04-2020
Date published: 12-04-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	3	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	33
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	9.5
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	1.1
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	3
zinc	ug/L	monthly	1	-	-	40

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	19	46
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 1728

Summary period: 01-02-2020 to 29-02-2020
Date obtained: 18-03-2020
Date published: 27-03-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	30
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	4	18
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	8.2
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	4.3
nonylphenol ethoxylate	ug/L	monthly	1	-	-	13
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	6	31
zinc	ug/L	monthly	1	-	-	34

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	4	14831	65,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	64.7

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

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Cronulla Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 1728

Summary period: 01-01-2020 to 31-01-2020
Date obtained: 05-02-2020
Date published: 14-02-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	35
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.9
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	3.9
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	2
zinc	ug/L	monthly	1	-	-	35

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	1066	5,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 1728

Summary period: 01-12-2019 to 31-12-2019
Date obtained: 06-01-2020
Date published: 10-01-2020

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	69
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	4.7
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	7.3
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	<2
zinc	ug/L	monthly	1	-	-	27

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	1276	4,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	36.5

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

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Cronulla Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 1728

Summary period: 01-11-2019 to 30-11-2019
Date obtained: 06-12-2019
Date published: 12-12-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	28
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	3
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.1
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	11.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	3
zinc	ug/L	monthly	1	-	-	34

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	3	609	2,500
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 1728

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: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	26
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	3
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	4.7
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	2.1
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	7
zinc	ug/L	monthly	1	-	-	30

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	46	150
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	59.4

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

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Cronulla Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	25
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	6	32
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	6.4
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	11.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	14	70
zinc	ug/L	monthly	1	-	-	33

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	1281	5,200
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	28
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	5	23
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.9
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	35.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	10
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	15	72
zinc	ug/L	monthly	1	-	-	32

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	6	1	1100	3,800
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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Cronulla Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
carbonaceous biochemical oxygen demand	mg/L	monthly	40	<2	yes
oil and grease	mg/L	monthly	15	<5	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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	20
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	<2	<2
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	4.7
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	11.3
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	6	<5	<5	<5
total suspended solids	mg/L	every 6 days	6	<2	<2	<2
zinc	ug/L	monthly	1	-	-	25

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	1	156	590
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

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