Malabar Wastewater Treatment Plant
June Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	49	yes
total suspended solids	mg/L	monthly	350	150	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	683
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
oil and grease	mg/L	every 6 days	5	22	40	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	120	146	190

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

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Malabar Wastewater Treatment Plant
May Pollution Monitoring Summary

EPL 372

Summary period: 01-05-2019 to 31-05-2019
Date obtained: 03-06-2019
Date published: 12-06-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	41	yes
total suspended solids	mg/L	monthly	350	166	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	581
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
oil and grease	mg/L	every 6 days	5	39	45	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.1
total suspended solids	mg/L	every 6 days	5	120	154	200

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

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Malabar Wastewater Treatment Plant
April Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	37	yes
total suspended solids	mg/L	monthly	350	169	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	384
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	224
oil and grease	mg/L	every 6 days	5	34	38	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.7
total suspended solids	mg/L	every 6 days	5	140	158	180

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

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Malabar Wastewater Treatment Plant
March Pollution Monitoring Summary

EPL 372

Summary period: 01-03-2019 to 31-03-2019
Date obtained: 05-04-2019
Date published: 12-04-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	38	yes
total suspended solids	mg/L	monthly	350	220	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	742
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	42
nonylphenol ethoxylate	ug/L	monthly	1	-	-	122
oil and grease	mg/L	every 6 days	5	32	38	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.3
total suspended solids	mg/L	every 6 days	5	150	186	230

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

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Malabar Wastewater Treatment Plant
February Pollution Monitoring Summary

EPL 372

Summary period: 01-02-2019 to 28-02-2019
Date obtained: 07-03-2019
Date published: 15-03-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	37	yes
total suspended solids	mg/L	monthly	350	176	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	500
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	135
oil and grease	mg/L	every 6 days	5	35	38	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	170	190	200

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

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Malabar Wastewater Treatment Plant
January Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	46	yes
total suspended solids	mg/L	monthly	350	232	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	1,040
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	89
oil and grease	mg/L	every 6 days	5	34	41	53
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	130	178	260

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

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Malabar Wastewater Treatment Plant
December Pollution Monitoring Summary

EPL 372

Summary period: 01-12-2018 to 31-12-2018
Date obtained: 04-01-2019
Date published: 11-01-2019

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	46	yes
total suspended solids	mg/L	monthly	350	219	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	598
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	140
oil and grease	mg/L	every 6 days	5	19	32	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.7
total suspended solids	mg/L	every 6 days	5	100	156	200

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

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Malabar Wastewater Treatment Plant
November Pollution Monitoring Summary

EPL 372

Summary period: 01-11-2018 to 30-11-2018
Date obtained: 13-12-2018
Date published: 21-12-2018

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	39	yes
total suspended solids	mg/L	monthly	350	153	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	548
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	204
oil and grease	mg/L	every 6 days	5	37	40	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	6.4
total suspended solids	mg/L	every 6 days	5	140	154	160

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

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Malabar Wastewater Treatment Plant
October Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	39	yes
total suspended solids	mg/L	monthly	350	194	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	1,380
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	323
oil and grease	mg/L	every 6 days	5	31	39	48
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.46
total suspended solids	mg/L	every 6 days	5	130	176	240

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

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Malabar Wastewater Treatment Plant
September Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	44	yes
total suspended solids	mg/L	monthly	350	166	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	735
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	211
oil and grease	mg/L	every 6 days	5	39	45	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.56
total suspended solids	mg/L	every 6 days	5	150	170	180

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

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Malabar Wastewater Treatment Plant
August Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	50	yes
total suspended solids	mg/L	monthly	350	174	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	620
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	105
nonylphenol ethoxylate	ug/L	monthly	1	-	-	240
oil and grease	mg/L	every 6 days	5	41	47	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.1
total suspended solids	mg/L	every 6 days	5	150	164	170

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

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Malabar Wastewater Treatment Plant
July Pollution Monitoring Summary

EPL 372

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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	48	yes
total suspended solids	mg/L	monthly	350	154	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 6 Site code MA0006	Point description: Upstream of the bulkhead in the effluent channel					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	387
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	150
nonylphenol ethoxylate	ug/L	monthly	1	-	-	249
oil and grease	mg/L	every 6 days	5	45	47	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.8
total suspended solids	mg/L	every 6 days	5	140	164	200

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

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