

Malabar Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 372

Summary period: 01-06-2018 to 30-06-2018

Date obtained: 05-07-2018

Date published: 11-07-2018

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	35	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	-	-	804
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	454
nonylphenol ethoxylate	ug/L	monthly	1	-	-	139
oil and grease	mg/L	every 6 days	5	35	43	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	140	150	160

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

Malabar Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 372

Summary period: 01-05-2018 to 31-05-2018

Date obtained: 06-06-2018

Date published: 13-06-2018

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	49	yes
total suspended solids	mg/L	monthly	350	173	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	-	-	514
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	56
nonylphenol ethoxylate	ug/L	monthly	1	-	-	141
oil and grease	mg/L	every 6 days	6	33	43	48
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	6	120	177	230

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

Malabar Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 372

Summary period: 01-04-2018 to 30-04-2018

Date obtained: 03-05-2018

Date published: 11-05-2018

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	46	yes
total suspended solids	mg/L	monthly	350	203	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	-	-	603
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	52
nonylphenol ethoxylate	ug/L	monthly	1	-	-	111
oil and grease	mg/L	every 6 days	5	39	48	59
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.2
total suspended solids	mg/L	every 6 days	5	140	200	240

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

Malabar Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 372

Summary period: 01-03-2018 to 31-03-2018

Date obtained: 04-04-2018

Date published: 13-04-2018

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	42	yes
total suspended solids	mg/L	monthly	350	193	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	-	-	586
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	31
nonylphenol ethoxylate	ug/L	monthly	1	-	-	166
oil and grease	mg/L	every 6 days	5	32	37	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.4
total suspended solids	mg/L	every 6 days	5	160	178	190

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

Malabar Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 372

Summary period: 01-02-2018 to 28-02-2018

Date obtained: 06-03-2018

Date published: 15-03-2018

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	53	yes
total suspended solids	mg/L	monthly	350	247	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	-	-	823
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	293
oil and grease	mg/L	every 6 days	4	36	43	55
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	4	190	223	300

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

Malabar Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 372

Summary period: 01-01-2018 to 31-01-2018

Date obtained: 19-02-2018

Date published: 23-02-2018

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	30	yes
total suspended solids	mg/L	monthly	350	123	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	-	-	303
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	70
oil and grease	mg/L	every 6 days	6	29	37	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	6	120	138	180

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

Malabar Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 372

Summary period: 01-12-2017 to 31-12-2017

Date obtained: 23-01-2018

Date published: 29-01-2018

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	36	yes
total suspended solids	mg/L	monthly	350	120	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	-	-	409
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	37
nonylphenol ethoxylate	ug/L	monthly	1	-	-	367
oil and grease	mg/L	every 6 days	5	20	33	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.4
total suspended solids	mg/L	every 6 days	5	110	144	190

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

Malabar Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 372

Summary period: 01-11-2017 to 30-11-2017

Date obtained: 06-12-2017

Date published: 14-12-2017

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	34	yes
total suspended solids	mg/L	monthly	350	126	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	-	-	346
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	156
oil and grease	mg/L	every 6 days	5	31	34	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	5	110	116	130

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

Malabar Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 372

Summary period: 01-10-2017 to 31-10-2017

Date obtained: 13-11-2017

Date published: 22-11-2017

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	172	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	-	-	615
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
nonylphenol ethoxylate	ug/L	monthly	1	-	-	133
oil and grease	mg/L	every 6 days	5	26	42	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.36
total suspended solids	mg/L	every 6 days	5	130	150	200

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

Malabar Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 372

Summary period: 01-09-2017 to 30-09-2017

Date obtained: 06-10-2017

Date published: 17-10-2017

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	43	yes
total suspended solids	mg/L	monthly	350	126	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	-	-	629
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	128
oil and grease	mg/L	every 6 days	5	38	43	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	110	126	140

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

Malabar Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 372

Summary period: 01-08-2017 to 31-08-2017

Date obtained: 18-09-2017

Date published: 21-09-2017

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	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	-	-	486
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	109
oil and grease	mg/L	every 6 days	5	29	39	45
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.21
total suspended solids	mg/L	every 6 days	5	140	148	150

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

Malabar Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 372

Summary period: 01-07-2017 to 31-07-2017

Date obtained: 18-08-2017

Date published: 23-08-2017

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	138	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	-	-	562
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	526
oil and grease	mg/L	every 6 days	5	37	46	57
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.31
total suspended solids	mg/L	every 6 days	5	130	154	180

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