

Malabar Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 372

Summary period: 01-06-2017 to 30-06-2017

Date obtained: 20-07-2017

Date published: 25-07-2017

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	31	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	-	-	344
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	330
nonylphenol ethoxylate	ug/L	monthly	1	-	-	317
oil and grease	mg/L	every 6 days	5	21	30	38
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	10
total suspended solids	mg/L	every 6 days	5	83	131	170

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: 01-05-2017 to 31-05-2017

Date obtained: 20-06-2017

Date published: 23-06-2017

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	-	-	508
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	170
nonylphenol ethoxylate	ug/L	monthly	1	-	-	102
oil and grease	mg/L	every 6 days	5	31	39	48
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.3
total suspended solids	mg/L	every 6 days	5	120	138	170

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: 01-04-2017 to 30-04-2017

Date obtained: 16-05-2017

Date published: 24-05-2017

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	33	yes
total suspended solids	mg/L	monthly	350	112	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	-	-	502
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	80
nonylphenol ethoxylate	ug/L	monthly	1	-	-	255
oil and grease	mg/L	every 6 days	5	29	37	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	110	144	180

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: 01-03-2017 to 31-03-2017

Date obtained: 11-04-2017

Date published: 19-04-2017

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	33	yes
total suspended solids	mg/L	monthly	350	152	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	-	-	618
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	270
nonylphenol ethoxylate	ug/L	monthly	1	-	-	160
oil and grease	mg/L	every 6 days	6	15	25	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	10
total suspended solids	mg/L	every 6 days	6	90	120	170

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: 01-02-2017 to 28-02-2017

Date obtained: 02-03-2017

Date published: 14-03-2017

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	45	yes
total suspended solids	mg/L	monthly	350	236	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	-	-	661
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	210
nonylphenol ethoxylate	ug/L	monthly	1	-	-	213
oil and grease	mg/L	every 6 days	4	33	38	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.5
total suspended solids	mg/L	every 6 days	4	210	218	230

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: 01-01-2017 to 31-01-2017

Date obtained: 09-02-2017

Date published: 15-02-2017

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	42	yes
total suspended solids	mg/L	monthly	350	199	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	-	-	1,280
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	190
nonylphenol ethoxylate	ug/L	monthly	1	-	-	296
oil and grease	mg/L	every 6 days	5	27	46	61
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.3
total suspended solids	mg/L	every 6 days	5	200	220	260

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: 01-12-2016 to 31-12-2016

Date obtained: 10-01-2017

Date published: 13-01-2017

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	31	yes
total suspended solids	mg/L	monthly	350	161	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	-	-	519
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	100
nonylphenol ethoxylate	ug/L	monthly	1	-	-	195
oil and grease	mg/L	every 6 days	6	14	31	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.1
total suspended solids	mg/L	every 6 days	6	100	142	180

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: 01-11-2016 to 30-11-2016

Date obtained: 05-12-2016

Date published: 12-12-2016

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	191	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	-	-	706
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	140
nonylphenol ethoxylate	ug/L	monthly	1	-	-	158
oil and grease	mg/L	every 6 days	5	33	45	77
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.8
total suspended solids	mg/L	every 6 days	5	110	154	240

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: 01-10-2016 to 31-10-2016

Date obtained: 02-11-2016

Date published: 04-11-2016

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	31	yes
total suspended solids	mg/L	monthly	350	129	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	-	-	481
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	150
nonylphenol ethoxylate	ug/L	monthly	1	-	-	256
oil and grease	mg/L	every 6 days	5	34	38	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	120	136	150

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: 01-09-2016 to 30-09-2016

Date obtained: 30-09-2016

Date published: 09-10-2016

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	155	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	-	-	948
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	100
nonylphenol ethoxylate	ug/L	monthly	1	-	-	195
oil and grease	mg/L	every 6 days	5	31	35	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	5.4
total suspended solids	mg/L	every 6 days	5	88	142	180

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: 01-08-2016 to 31-08-2016

Date obtained: 06-09-2016

Date published: 12-09-2016

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	-	-	640
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	60
nonylphenol ethoxylate	ug/L	monthly	1	-	-	245
oil and grease	mg/L	every 6 days	5	23	27	31
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.9
total suspended solids	mg/L	every 6 days	5	100	118	130

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: 01-07-2016 to 31-07-2016

Date obtained: 05-08-2016

Date published: 19-08-2016

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	29	yes
total suspended solids	mg/L	monthly	350	117	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	-	-	606
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	284
oil and grease	mg/L	every 6 days	5	30	32	35
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.9
total suspended solids	mg/L	every 6 days	5	110	138	200

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