

Malabar Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 372

Summary period: 01-05-2020 to 31-05-2020

Date obtained: 05-06-2020

Date published: 11-06-2020

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	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	-	-	761
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
nonylphenol ethoxylate	ug/L	monthly	1	-	-	456
oil and grease	mg/L	every 6 days	5	23	40	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.5
total suspended solids	mg/L	every 6 days	5	98	146	200

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: 01-04-2020 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 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	163	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	-	-	82
oil and grease	mg/L	every 6 days	5	32	38	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.46
total suspended solids	mg/L	every 6 days	5	150	160	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: 01-03-2020 to 31-03-2020

Date obtained: 03-04-2020

Date published: 15-04-2020

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	168	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	-	-	664
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	229
oil and grease	mg/L	every 6 days	5	32	37	45
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	5	140	154	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: 01-02-2020 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 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	196	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	-	-	627
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	255
oil and grease	mg/L	every 6 days	5	14	34	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	74	145	210

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: 01-01-2020 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 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	47	yes
total suspended solids	mg/L	monthly	350	229	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	-	-	762
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	40
nonylphenol ethoxylate	ug/L	monthly	1	-	-	387
oil and grease	mg/L	every 6 days	5	39	46	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.3
total suspended solids	mg/L	every 6 days	5	150	202	250

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: 01-12-2019 to 31-12-2019

Date obtained: 02-01-2020

Date published: 10-01-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 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	133	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	-	-	50
nonylphenol ethoxylate	ug/L	monthly	1	-	-	300
oil and grease	mg/L	every 6 days	5	45	47	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	130	178	210

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: 01-11-2019 to 30-11-2019

Date obtained: 05-12-2019

Date published: 12-12-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 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	151	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	-	-	878
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	151
oil and grease	mg/L	every 6 days	5	40	42	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	130	158	200

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: 01-10-2019 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 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	146	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	-	-	612
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	40
nonylphenol ethoxylate	ug/L	monthly	1	-	-	208
oil and grease	mg/L	every 6 days	5	41	45	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.4
total suspended solids	mg/L	every 6 days	5	120	136	160

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: 01-09-2019 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 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	47	yes
total suspended solids	mg/L	monthly	350	146	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	-	-	649
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	267
oil and grease	mg/L	every 6 days	5	13	37	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	110	118	130

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: 01-08-2019 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 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	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	-	-	664
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	60
nonylphenol ethoxylate	ug/L	monthly	1	-	-	217
oil and grease	mg/L	every 6 days	5	35	42	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	120	146	160

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: 01-07-2019 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 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	139	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	-	-	70
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	6	38	42	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	6	130	147	160

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