Malabar Water Resource Recovery Facility
March Pollution Monitoring Summary

EPL 372

Summary period: 01-03-2025 to 31-03-2025
Date obtained: 04-04-2025
Date published: 15-04-2025

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	243	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	-	-	251
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	227
nonylphenol ethoxylate	ug/L	monthly	1	-	-	82
oil and grease	mg/L	every 6 days	5	35	45	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.4
total suspended solids	mg/L	every 6 days	5	230	250	310

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the March monitoring period.

Malabar Water Resource Recovery Facility
February Pollution Monitoring Summary

EPL 372

Summary period: 01-02-2025 to 28-02-2025
Date obtained: 07-03-2025
Date published: 19-03-2025

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	207	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	-	-	406
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	97
oil and grease	mg/L	every 6 days	5	38	43	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	200	218	250

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the February monitoring period.

Malabar Water Resource Recovery Facility
January Pollution Monitoring Summary

EPL 372

Summary period: 01-01-2025 to 31-01-2025
Date obtained: 06-02-2025
Date published: 14-02-2025

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	209	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	-	-	685
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	87
nonylphenol ethoxylate	ug/L	monthly	1	-	-	101
oil and grease	mg/L	every 6 days	5	20	31	41
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.3
total suspended solids	mg/L	every 6 days	5	160	196	230

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the January monitoring period.

Malabar Water Resource Recovery Facility
December Pollution Monitoring Summary

EPL 372

Summary period: 01-12-2024 to 31-12-2024
Date obtained: 06-01-2025
Date published: 15-01-2025

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	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	-	-	661
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	75
oil and grease	mg/L	every 6 days	5	19	38	53
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.8
total suspended solids	mg/L	every 6 days	5	73	189	240

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the December monitoring period.

Malabar Water Resource Recovery Facility
November Pollution Monitoring Summary

EPL 372

Summary period: 01-11-2024 to 30-11-2024
Date obtained: 09-12-2024
Date published: 13-12-2024

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	216	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	-	-	528
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	31
nonylphenol ethoxylate	ug/L	monthly	1	-	-	121
oil and grease	mg/L	every 6 days	5	48	53	58
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	200	228	250

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the November monitoring period.

Malabar Water Resource Recovery Facility
October Pollution Monitoring Summary

EPL 372

Summary period: 01-10-2024 to 31-10-2024
Date obtained: 07-11-2024
Date published: 15-11-2024

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	51	yes
total suspended solids	mg/L	monthly	350	209	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	-	-	739
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	110
oil and grease	mg/L	every 6 days	5	52	56	60
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	5	200	234	260

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the October monitoring period.

Malabar Water Resource Recovery Facility
September Pollution Monitoring Summary

EPL 372

Summary period: 01-09-2024 to 30-09-2024
Date obtained: 09-10-2024
Date published: 23-10-2024

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	61	yes
total suspended solids	mg/L	monthly	350	217	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	-	-	801
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	80
nonylphenol ethoxylate	ug/L	monthly	1	-	-	253
oil and grease	mg/L	every 6 days	5	52	59	68
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.6
total suspended solids	mg/L	every 6 days	5	220	244	270

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the September monitoring period.

Malabar Water Resource Recovery Facility
August Pollution Monitoring Summary

EPL 372

Summary period: 01-08-2024 to 31-08-2024
Date obtained: 11-09-2024
Date published: 13-09-2024

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	215	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	-	-	558
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	45
nonylphenol ethoxylate	ug/L	monthly	1	-	-	172
oil and grease	mg/L	every 6 days	6	44	52	63
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.6
total suspended solids	mg/L	every 6 days	6	180	207	250

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the August monitoring period.

Malabar Water Resource Recovery Facility
July Pollution Monitoring Summary

EPL 372

Summary period: 01-07-2024 to 31-07-2024
Date obtained: 08-08-2024
Date published: 16-08-2024

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	132	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	-	-	505
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	211
oil and grease	mg/L	every 6 days	5	23	39	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.4
total suspended solids	mg/L	every 6 days	5	72	158	210

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

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the July monitoring period.