

# Bondi Water Resource Recovery Facility

## June Pollution Monitoring Summary



### EPL 1688

Summary period: 01-06-2023 to 30-06-2023

Date obtained: 02-07-2023

Date published: 13-07-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	113	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	187
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	114
oil and grease	mg/L	every 6 days	5	33	41	45
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	4.3
total suspended solids	mg/L	every 6 days	5	74	100	120

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the June monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## May Pollution Monitoring Summary



### EPL 1688

Summary period: 01-05-2023 to 31-05-2023

Date obtained: 07-06-2023

Date published: 21-06-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	99	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	156
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	130
nonylphenol ethoxylate	ug/L	monthly	1	-	-	40
oil and grease	mg/L	every 6 days	5	38	43	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.6
total suspended solids	mg/L	every 6 days	5	99	112	130

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the May monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## April Pollution Monitoring Summary



### EPL 1688

Summary period: 01-04-2023 to 30-04-2023

Date obtained: 15-05-2023

Date published: 19-05-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	61	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	231
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
nonylphenol ethoxylate	ug/L	monthly	1	-	-	152
oil and grease	mg/L	every 6 days	5	24	31	38
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.1
total suspended solids	mg/L	every 6 days	5	33	82	110

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the April monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## March Pollution Monitoring Summary



### EPL 1688

Summary period: 01-03-2023 to 31-03-2023

Date obtained: 04-04-2023

Date published: 14-04-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	93	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	186
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	180
nonylphenol ethoxylate	ug/L	monthly	1	-	-	236
oil and grease	mg/L	every 6 days	5	36	37	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	74	89	100

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the March monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## February Pollution Monitoring Summary



### EPL 1688

Summary period: 01-02-2023 to 28-02-2023

Date obtained: 06-03-2023

Date published: 17-03-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	85	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	449
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	77
nonylphenol ethoxylate	ug/L	monthly	1	-	-	141
oil and grease	mg/L	every 6 days	5	31	36	41
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.5
total suspended solids	mg/L	every 6 days	5	83	93	100

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the February monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## January Pollution Monitoring Summary



### EPL 1688

Summary period: 01-01-2023 to 31-01-2023

Date obtained: 01-02-2023

Date published: 14-02-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	109	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	373
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	134
oil and grease	mg/L	every 6 days	5	33	36	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.9
total suspended solids	mg/L	every 6 days	5	68	85	120

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the January monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## December Pollution Monitoring Summary



### EPL 1688

Summary period: 01-12-2022 to 31-12-2022

Date obtained: 04-01-2023

Date published: 10-01-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	84	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	194
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	133
oil and grease	mg/L	every 6 days	5	35	40	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.6
total suspended solids	mg/L	every 6 days	5	82	88	98

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the December monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## November Pollution Monitoring Summary



### EPL 1688

Summary period: 01-11-2022 to 30-11-2022

Date obtained: 06-12-2022

Date published: 09-12-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	75	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	184
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	174
oil and grease	mg/L	every 6 days	5	28	35	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.6
total suspended solids	mg/L	every 6 days	5	77	88	98

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the November monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).



# Bondi Water Resource Recovery Facility

## October Pollution Monitoring Summary



### EPL 1688

Summary period: 01-10-2022 to 31-10-2022

Date obtained: 07-11-2022

Date published: 16-11-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	19	yes
total suspended solids	mg/L	monthly	290	65	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	264
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	152
oil and grease	mg/L	every 6 days	5	17	23	30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.9
total suspended solids	mg/L	every 6 days	5	64	76	84

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the October monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## September Pollution Monitoring Summary



### EPL 1688

Summary period: 01-09-2022 to 30-09-2022

Date obtained: 08-10-2022

Date published: 17-10-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005	Point description: In the effluent channel downstream of the sedimentation tanks				
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	290	78	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 5 Site code BN0005	Point description: In the effluent channel downstream of the sedimentation tanks					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	183
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	224
oil and grease	mg/L	every 6 days	5	30	36	39
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.9
total suspended solids	mg/L	every 6 days	5	78	84	91

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the September monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## August Pollution Monitoring Summary



### EPL 1688

Summary period: 01-08-2022 to 31-08-2022

Date obtained: 08-09-2022

Date published: 14-09-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
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	290	62	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	204
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	197
oil and grease	mg/L	every 6 days	5	30	35	38
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	58	70	80

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the August monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).

# Bondi Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 1688

Summary period: 01-07-2022 to 31-07-2022

Date obtained: 09-08-2022

Date published: 19-08-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
oil and grease	mg/L	monthly	70	21	yes
total suspended solids	mg/L	monthly	290	45	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 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	245
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	112
oil and grease	mg/L	every 6 days	6	12	28	38
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.37
total suspended solids	mg/L	every 6 days	6	35	67	76

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

As per clause M2.4 under EPL 1688, collection of samples from EPA Point 8 is required when sewage or effluent is discharged from EPA Point 2. There was no discharge from EPA Point 2 during the July monitoring period.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (deep water ocean outfall).