Bondi Water Resource Recovery Facility
June Pollution Monitoring Summary

EPL 1688

Summary period: 01-06-2024 to 30-06-2024
Date obtained: 04-07-2024
Date published: 15-07-2024

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	20	yes
total suspended solids	mg/L	monthly	290	83	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	-	-	370
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	110
oil and grease	mg/L	every 6 days	5	10	26	37
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	17	67	96

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: 01-05-2024 to 31-05-2024
Date obtained: 11-06-2024
Date published: 21-06-2024

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	31	yes
total suspended solids	mg/L	monthly	290	82	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	-	-	241
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	106
oil and grease	mg/L	every 6 days	5	28	33	43
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	44	83	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 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: 01-04-2024 to 30-04-2024
Date obtained: 06-05-2024
Date published: 20-05-2024

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	38	yes
total suspended solids	mg/L	monthly	290	81	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	-	-	224
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	166
oil and grease	mg/L	every 6 days	5	23	37	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	5.8
total suspended solids	mg/L	every 6 days	5	88	96	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 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: 01-03-2024 to 31-03-2024
Date obtained: 08-04-2024
Date published: 18-04-2024

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	98	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	-	-	147
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	62
oil and grease	mg/L	every 6 days	5	40	42	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3
total suspended solids	mg/L	every 6 days	5	78	96	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 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: 01-02-2024 to 29-02-2024
Date obtained: 11-03-2024
Date published: 22-03-2024

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	87	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	-	-	145
nonylphenol ethoxylate	ug/L	monthly	1	-	-	168
oil and grease	mg/L	every 6 days	5	31	41	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.9
total suspended solids	mg/L	every 6 days	5	82	99	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 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: 01-01-2024 to 31-01-2024
Date obtained: 06-02-2024
Date published: 19-02-2024

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	38	yes
total suspended solids	mg/L	monthly	290	81	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	-	-	166
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	107
oil and grease	mg/L	every 6 days	5	34	37	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	70	90	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 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: 01-12-2023 to 31-12-2023
Date obtained: 09-01-2024
Date published: 16-01-2024

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	83	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	-	-	223
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	127
nonylphenol ethoxylate	ug/L	monthly	1	-	-	184
oil and grease	mg/L	every 6 days	5	41	43	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.9
total suspended solids	mg/L	every 6 days	5	84	88	90

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: 01-11-2023 to 30-11-2023
Date obtained: 11-12-2023
Date published: 14-12-2023

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	35	yes
total suspended solids	mg/L	monthly	290	86	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	-	-	290
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	100
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	29	35	41
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.6
total suspended solids	mg/L	every 6 days	5	79	91	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 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: 01-10-2023 to 31-10-2023
Date obtained: 03-11-2023
Date published: 17-11-2023

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	45	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	-	-	130
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	81
nonylphenol ethoxylate	ug/L	monthly	1	-	-	126
oil and grease	mg/L	every 6 days	5	27	39	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	68	93	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 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: 01-09-2023 to 30-09-2023
Date obtained: 05-10-2023
Date published: 13-10-2023

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	40	yes
total suspended solids	mg/L	monthly	290	96	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	-	-	142
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	111
nonylphenol ethoxylate	ug/L	monthly	1	-	-	124
oil and grease	mg/L	every 6 days	5	37	41	43
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.4
total suspended solids	mg/L	every 6 days	5	90	99	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 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: 01-08-2023 to 31-08-2023
Date obtained: 08-09-2023
Date published: 14-09-2023

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	38	yes
total suspended solids	mg/L	monthly	290	87	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	-	-	192
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	159
oil and grease	mg/L	every 6 days	6	36	41	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	6	78	94	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 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: 01-07-2023 to 31-07-2023
Date obtained: 05-08-2023
Date published: 15-08-2023

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	47	yes
total suspended solids	mg/L	monthly	290	92	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	-	-	196
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	70
nonylphenol ethoxylate	ug/L	monthly	1	-	-	97
oil and grease	mg/L	every 6 days	5	42	45	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.8
total suspended solids	mg/L	every 6 days	5	90	97	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 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).