

Bondi Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 1688

Summary period: 01-01-2021 to 31-01-2021

Date obtained: 12-02-2021

Date published: 23-02-2021

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	60	34	yes
total suspended solids	mg/L	monthly	290	69	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	-	-	119
oil and grease	mg/L	every 6 days	5	32	36	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.2
total suspended solids	mg/L	every 6 days	5	70	84	95

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 Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 1688

Summary period: 01-12-2020 to 31-12-2020

Date obtained: 08-01-2021

Date published: 18-01-2021

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	60	38	yes
total suspended solids	mg/L	monthly	290	103	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	-	-	210
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	130
nonylphenol ethoxylate	ug/L	monthly	1	-	-	223
oil and grease	mg/L	every 6 days	5	33	37	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	5	74	94	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 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 Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 1688

Summary period: 01-11-2020 to 30-11-2020

Date obtained: 10-12-2020

Date published: 15-12-2020

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	60	32	yes
total suspended solids	mg/L	monthly	290	91	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	-	-	145
oil and grease	mg/L	every 6 days	5	38	40	45
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.7
total suspended solids	mg/L	every 6 days	5	87	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 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 Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 1688

Summary period: 01-10-2020 to 31-10-2020

Date obtained: 05-11-2020

Date published: 13-11-2020

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	60	38	yes
total suspended solids	mg/L	monthly	290	97	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	-	-	205
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	177
oil and grease	mg/L	every 6 days	5	30	37	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	80	92	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 Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 1688

Summary period: 01-09-2020 to 30-09-2020

Date obtained: 07-10-2020

Date published: 19-10-2020

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	60	37	yes
total suspended solids	mg/L	monthly	290	90	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	-	-	193
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	256
oil and grease	mg/L	every 6 days	5	33	38	42
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.2
total suspended solids	mg/L	every 6 days	5	82	87	93

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 Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 1688

Summary period: 01-08-2020 to 31-08-2020

Date obtained: 06-09-2020

Date published: 16-09-2020

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	60	29	yes
total suspended solids	mg/L	monthly	290	76	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	-	-	82
oil and grease	mg/L	every 6 days	5	25	33	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.6
total suspended solids	mg/L	every 6 days	5	78	86	92

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 Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 1688

Summary period: 01-07-2020 to 31-07-2020

Date obtained: 10-08-2020

Date published: 14-08-2020

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	60	35	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	-	-	221
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	247
oil and grease	mg/L	every 6 days	6	31	35	40
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	4.5
total suspended solids	mg/L	every 6 days	6	64	83	94

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).