

Bondi Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 1688

Summary period: 01-06-2018 to 30-06-2018

Date obtained: 05-07-2018

Date published: 11-07-2018

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	40	yes
total suspended solids	mg/L	monthly	290	95	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	-	-	464
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	44
nonylphenol ethoxylate	ug/L	monthly	1	-	-	69
oil and grease	mg/L	every 6 days	5	33	42	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	79	102	130

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

Bondi Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 1688

Summary period: 01-05-2018 to 31-05-2018

Date obtained: 06-06-2018

Date published: 13-06-2018

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	47	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	-	-	376
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	97
nonylphenol ethoxylate	ug/L	monthly	1	-	-	75
oil and grease	mg/L	every 6 days	6	43	47	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.8
total suspended solids	mg/L	every 6 days	6	78	98	130

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

Bondi Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 1688

Summary period: 01-04-2018 to 30-04-2018

Date obtained: 03-05-2018

Date published: 11-05-2018

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	45	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	-	-	177
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	136
nonylphenol ethoxylate	ug/L	monthly	1	-	-	135
oil and grease	mg/L	every 6 days	5	27	36	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	84	91	100

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

Bondi Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 1688

Summary period: 01-03-2018 to 31-03-2018

Date obtained: 06-04-2018

Date published: 13-04-2018

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	46	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	-	-	228
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	63
nonylphenol ethoxylate	ug/L	monthly	1	-	-	113
oil and grease	mg/L	every 6 days	5	34	44	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.7
total suspended solids	mg/L	every 6 days	5	92	99	110

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

Bondi Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 1688

Summary period: 01-02-2018 to 28-02-2018

Date obtained: 07-03-2018

Date published: 15-03-2018

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	46	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	-	-	201
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	92
oil and grease	mg/L	every 6 days	4	43	45	46
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.3
total suspended solids	mg/L	every 6 days	4	90	103	120

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

Bondi Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 1688

Summary period: 01-01-2018 to 31-01-2018

Date obtained: 19-02-2018

Date published: 23-02-2018

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	39	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	-	-	240
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	116
nonylphenol ethoxylate	ug/L	monthly	1	-	-	68
oil and grease	mg/L	every 6 days	6	39	42	45
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.1
total suspended solids	mg/L	every 6 days	6	82	95	120

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

Bondi Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 1688

Summary period: 01-12-2017 to 31-12-2017

Date obtained: 23-01-2018

Date published: 29-01-2018

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	45	yes
total suspended solids	mg/L	monthly	290	137	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	-	-	438
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	109
oil and grease	mg/L	every 6 days	5	25	34	44
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1
total suspended solids	mg/L	every 6 days	5	100	136	180

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

Bondi Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 1688

Summary period: 01-11-2017 to 30-11-2017

Date obtained: 13-12-2017

Date published: 21-12-2017

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	46	yes
total suspended solids	mg/L	monthly	290	105	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	-	-	212
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	96
oil and grease	mg/L	every 6 days	5	43	47	50
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.8
total suspended solids	mg/L	every 6 days	5	100	108	120

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

Bondi Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 1688

Summary period: 01-10-2017 to 31-10-2017

Date obtained: 13-11-2017

Date published: 22-11-2017

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	50	yes
total suspended solids	mg/L	monthly	290	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 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	-	-	259
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	80
nonylphenol ethoxylate	ug/L	monthly	1	-	-	126
oil and grease	mg/L	every 6 days	5	41	49	56
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.7
total suspended solids	mg/L	every 6 days	5	92	107	140

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

Bondi Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 1688

Summary period: 01-09-2017 to 30-09-2017

Date obtained: 06-10-2017

Date published: 17-10-2017

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	54	yes
total suspended solids	mg/L	monthly	290	120	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	-	-	397
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	100
nonylphenol ethoxylate	ug/L	monthly	1	-	-	111
oil and grease	mg/L	every 6 days	5	47	51	56
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.7
total suspended solids	mg/L	every 6 days	5	120	124	130

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

Bondi Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 1688

Summary period: 01-08-2017 to 31-08-2017

Date obtained: 18-09-2017

Date published: 21-09-2017

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	45	yes
total suspended solids	mg/L	monthly	290	104	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	-	-	383
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	84
oil and grease	mg/L	every 6 days	6	41	46	49
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	6	110	132	160

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

Bondi Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 1688

Summary period: 01-07-2017 to 31-07-2017

Date obtained: 17-08-2017

Date published: 23-08-2017

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	45	yes
total suspended solids	mg/L	monthly	290	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 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	-	-	275
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	128
oil and grease	mg/L	every 6 days	5	37	50	56
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.4
total suspended solids	mg/L	every 6 days	5	110	124	140

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