

Bondi Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 1688

Summary period: 01-02-2020 to 29-02-2020

Date obtained: 18-03-2020

Date published: 27-03-2020

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	47	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	-	-	243
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	50
nonylphenol ethoxylate	ug/L	monthly	1	-	-	238
oil and grease	mg/L	every 6 days	5	28	38	43
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	4.7
total suspended solids	mg/L	every 6 days	5	70	84	92

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: 01-01-2020 to 31-01-2020

Date obtained: 05-02-2020

Date published: 14-02-2020

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	42	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	-	-	186
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	170
nonylphenol ethoxylate	ug/L	monthly	1	-	-	199
oil and grease	mg/L	every 6 days	5	43	45	47
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	3.6
total suspended solids	mg/L	every 6 days	5	78	89	110

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: 01-12-2019 to 31-12-2019

Date obtained: 02-01-2020

Date published: 10-01-2020

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	51	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	-	-	247
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	165
oil and grease	mg/L	every 6 days	5	43	49	54
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	6.3
total suspended solids	mg/L	every 6 days	5	82	104	130

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: 01-11-2019 to 30-11-2019

Date obtained: 05-12-2019

Date published: 12-12-2019

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	48	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	-	-	294
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	209
oil and grease	mg/L	every 6 days	5	43	46	48
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	0.8
total suspended solids	mg/L	every 6 days	5	99	106	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: 01-10-2019 to 31-10-2019

Date obtained: 12-11-2019

Date published: 22-11-2019

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	43	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	-	-	252
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	80
nonylphenol ethoxylate	ug/L	monthly	1	-	-	291
oil and grease	mg/L	every 6 days	5	46	50	54
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.3
total suspended solids	mg/L	every 6 days	5	86	97	110

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: 01-09-2019 to 30-09-2019

Date obtained: 09-10-2019

Date published: 15-10-2019

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	51	yes
total suspended solids	mg/L	monthly	290	118	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	-	-	220
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	231
oil and grease	mg/L	every 6 days	5	32	46	51
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.9
total suspended solids	mg/L	every 6 days	5	88	114	140

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: 01-08-2019 to 31-08-2019

Date obtained: 06-09-2019

Date published: 16-09-2019

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	49	yes
total suspended solids	mg/L	monthly	290	117	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	-	-	134
oil and grease	mg/L	every 6 days	5	39	50	54
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	2.5
total suspended solids	mg/L	every 6 days	5	100	116	140

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: 01-07-2019 to 31-07-2019

Date obtained: 07-08-2019

Date published: 17-08-2019

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	49	yes
total suspended solids	mg/L	monthly	290	110	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	-	-	250
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
nonylphenol ethoxylate	ug/L	monthly	1	-	-	8
oil and grease	mg/L	every 6 days	6	48	53	60
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	1.8
total suspended solids	mg/L	every 6 days	6	100	120	150

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