Brooklyn Wastewater Treatment Plant June Pollution Monitoring Summary



EPL 12438

Summary period: 01-06-2022 to 30-06-2022 Date obtained: 07-07-2022 Date published: 15-07-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.12	0.47	
nitrogen (total)	mg/L	every 6 days	5	3.94	5.37	8.37	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	<0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	2	

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

Brooklyn Wastewater Treatment Plant May Pollution Monitoring Summary



EPL 12438

Summary period: 01-05-2022 to 31-05-2022 Date obtained: 09-06-2022 Date published: 17-06-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	3DGM limit 3DGM Actual w					
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	3	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1	
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
nitrogen (total)	mg/L	every 6 days	5	2.24	3.7	5.23	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.02	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant April Pollution Monitoring Summary



EPL 12438

Summary period: 01-04-2022 to 30-04-2022 Date obtained: 09-05-2022 Date published: 20-05-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point descript	ion: In the disc	harge pipelin	e after the U	V lamps	
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
faecal coliforms	CFU/100mL	every 6 days	5	<1	5	24
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.07	0.31
nitrogen (total)	mg/L	every 6 days	5	2.43	3.68	4.76
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	<0.01
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

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

Brooklyn Wastewater Treatment Plant March Pollution Monitoring Summary



EPL 12438

Summary period: 01-03-2022 to 31-03-2022 Date obtained: 05-04-2022 Date published: 15-04-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps							
pollutant	unit of measure	3DGM limit 3DGM Actual w						
biochemical oxygen demand	mg/L	monthly	20	<2	yes			
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes			
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point descript	ion: In the disc	harge pipeline	e after the U	V lamps	
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	0.09	0.38
nitrogen (total)	mg/L	every 6 days	5	1.53	3.13	4.25
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.02
total suspended solids	mg/L	every 6 days	5	<2	<2	4

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

Brooklyn Wastewater Treatment Plant February Pollution Monitoring Summary



EPL 12438

Summary period: 01-02-2022 to 28-02-2022 Date obtained: 15-03-2022 Date published: 24-03-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps							
pollutant	unit of measure	sampling frequency						
biochemical oxygen demand	mg/L	monthly	20	<2	yes			
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes			
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point descript	ion: In the discl	harge pipelin	e after the U	V lamps	
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
biochemical oxygen demand	mg/L	every 6 days	5	<2	3.8	19
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	4	18
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01
nitrogen (total)	mg/L	every 6 days	5	3.53	4.34	4.79
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	<0.01
total suspended solids	mg/L	every 6 days	5	<2	<2	<2

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

Brooklyn Wastewater Treatment Plant January Pollution Monitoring Summary



EPL 12438

Summary period: 01-01-2022 to 31-01-2022 Date obtained: 08-02-2022 Date published: 11-02-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.03	0.06	
nitrogen (total)	mg/L	every 6 days	5	4.61	5.16	5.46	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant December Pollution Monitoring Summary



EPL 12438

Summary period: 01-12-2021 to 31-12-2021 Date obtained: 10-01-2022 Date published: 20-01-2022 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	3.4	17	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	3	17	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.02	0.05	
nitrogen (total)	mg/L	every 6 days	5	3.86	4.36	6.16	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.02	
total suspended solids	mg/L	every 6 days	5	<2	<2	2	

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

Brooklyn Wastewater Treatment Plant November Pollution Monitoring Summary



EPL 12438

Summary period: 01-11-2021 to 30-11-2021 Date obtained: 07-12-2021 Date published: 17-12-2021 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	7	34	
nitrogen (ammonia)	mg/L	every 6 days	5	0.02	0.05	0.09	
nitrogen (total)	mg/L	every 6 days	5	3.95	5.11	6.81	
phosphorus (total)	mg/L	every 6 days	5	<0.01	0.02	0.05	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant October Pollution Monitoring Summary



EPL 12438

Summary period: 01-10-2021 to 31-10-2021 Date obtained: 08-11-2021 Date published: 12-11-2021 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.02	0.04	
nitrogen (total)	mg/L	every 6 days	5	3.64	4.38	5.35	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant September Pollution Monitoring Summary



EPL 12438

Summary period: 01-09-2021 to 30-09-2021 Date obtained: 05-10-2021 Date published: 13-10-2021 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.04	0.14	
nitrogen (total)	mg/L	every 6 days	5	3.66	4.24	5.06	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant August Pollution Monitoring Summary



EPL 12438

Summary period: 01-08-2021 to 31-08-2021 Date obtained: 14-09-2021 Date published: 22-09-2021 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps							
pollutant	unit of measure	3DGM limit 3DGM Actual w						
biochemical oxygen demand	mg/L	monthly	20	<2	yes			
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes			
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	5	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
nitrogen (total)	mg/L	every 6 days	5	3.63	4.26	4.85	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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

Brooklyn Wastewater Treatment Plant July Pollution Monitoring Summary



EPL 12438

Summary period: 01-07-2021 to 31-07-2021 Date obtained: 07-08-2021 Date published: 18-08-2021 Licensee: Sydney Water Corporation PO Box 399 PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits		
biochemical oxygen demand	mg/L	monthly	20	<2	yes		
carbonaceous biochemical oxygen demand	mg/L	monthly	20	<2	yes		
total suspended solids	mg/L	monthly	10	<2	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 BK0005	Point description: In the discharge pipeline after the UV lamps						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result	
biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2	
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100	
faecal coliforms	CFU/100mL	every 6 days	6	<1	<1	<1	
nitrogen (ammonia)	mg/L	every 6 days	5	0.01	0.03	0.08	
nitrogen (total)	mg/L	every 6 days	5	3.65	5.12	5.83	
phosphorus (total)	mg/L	every 6 days	5	<0.01	<0.01	0.01	
total suspended solids	mg/L	every 6 days	5	<2	<2	<2	

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