

Wollongong Wastewater Treatment Plant

June Pollution Monitoring Summary



EPL 218

Summary period: 01-06-2021 to 30-06-2021

Date obtained: 06-07-2021

Date published: 20-07-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	52
biochemical oxygen demand	mg/L	every 6 days	5	6	7.8	10
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	2.9
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
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.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

May Pollution Monitoring Summary



EPL 218

Summary period: 01-05-2021 to 31-05-2021

Date obtained: 04-06-2021

Date published: 15-06-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	7	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	11
biochemical oxygen demand	mg/L	every 6 days	5	4	7.2	12
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	2
copper	ug/L	monthly	1	-	-	5.1
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	2	6

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

April Pollution Monitoring Summary



EPL 218

Summary period: 01-04-2021 to 30-04-2021

Date obtained: 10-05-2021

Date published: 17-05-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	49
biochemical oxygen demand	mg/L	every 6 days	5	4	5.4	7
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	4.6
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	<2	3

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

March Pollution Monitoring Summary



EPL 218

Summary period: 01-03-2021 to 31-03-2021

Date obtained: 06-04-2021

Date published: 16-04-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	25
biochemical oxygen demand	mg/L	every 6 days	5	6	8	11
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	3	9
copper	ug/L	monthly	1	-	-	4.5
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	2	10	31

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

February Pollution Monitoring Summary



EPL 218

Summary period: 01-02-2021 to 28-02-2021

Date obtained: 07-03-2021

Date published: 17-03-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	4	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	158
biochemical oxygen demand	mg/L	every 6 days	5	5	6.8	10
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	7
copper	ug/L	monthly	1	-	-	8.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	3	6	12

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

January Pollution Monitoring Summary



EPL 218

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

Date obtained: 09-02-2021

Date published: 12-02-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 5 Site code WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	8	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	238
biochemical oxygen demand	mg/L	every 6 days	5	4	7.6	19
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	2	12
copper	ug/L	monthly	1	-	-	11.6
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	5	24

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

December Pollution Monitoring Summary



EPL 218

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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	13
biochemical oxygen demand	mg/L	every 6 days	5	3	8.8	18
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	3	8
copper	ug/L	monthly	1	-	-	4.2
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	7	17

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

November Pollution Monitoring Summary



EPL 218

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

Date obtained: 08-12-2020

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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	6	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	205
biochemical oxygen demand	mg/L	every 6 days	5	4	8.6	18
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	3	15
copper	ug/L	monthly	1	-	-	10.4
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	9	32

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

October Pollution Monitoring Summary



EPL 218

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

Date obtained: 10-11-2020

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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	16
biochemical oxygen demand	mg/L	every 6 days	5	3	4.4	6
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	3
copper	ug/L	monthly	1	-	-	4.1
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	<2	5

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

September Pollution Monitoring Summary



EPL 218

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

Date obtained: 12-10-2020

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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	22
biochemical oxygen demand	mg/L	every 6 days	5	3	3.6	4
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	<2	<2
copper	ug/L	monthly	1	-	-	4.2
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
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.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Note: biochemical oxygen demand monitoring commenced from September 2020.

Wollongong Wastewater Treatment Plant

August Pollution Monitoring Summary



EPL 218

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

Date obtained: 07-09-2020

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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	24	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 WO0005		Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	181
carbonaceous biochemical oxygen demand	mg/L	every 6 days	6	<2	3	11
copper	ug/L	monthly	1	-	-	6.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	6	3	7	17

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Wollongong Wastewater Treatment Plant

July Pollution Monitoring Summary



EPL 218

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

Date obtained: 04-08-2020

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 WO0005	Point description: At the inlet to the effluent pumping station				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
total suspended solids	mg/L	monthly	50	<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 WO0005	Point description: At the inlet to the effluent pumping station					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	16
carbonaceous biochemical oxygen demand	mg/L	every 6 days	5	<2	5	19
copper	ug/L	monthly	1	-	-	2.8
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	5	23

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

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).