Wollongong Water Resource Recovery Facility
June Pollution Monitoring Summary

EPL 218

Summary period: 01-06-2024 to 30-06-2024
Date obtained: 08-07-2024
Date published: 22-07-2024

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	-	-	33
biochemical oxygen demand	mg/L	every 6 days	5	4	5.8	12
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	6	20

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 Water Resource Recovery Facility
May Pollution Monitoring Summary

EPL 218

Summary period: 01-05-2024 to 31-05-2024
Date obtained: 08-06-2024
Date published: 14-06-2024

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	38	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	-	-	212
biochemical oxygen demand	mg/L	every 6 days	5	9	12.6	17
copper	ug/L	monthly	1	-	-	7.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	5	29	66

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 Water Resource Recovery Facility
April Pollution Monitoring Summary

EPL 218

Summary period: 01-04-2024 to 30-04-2024
Date obtained: 06-05-2024
Date published: 20-05-2024

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	18	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	-	-	12
biochemical oxygen demand	mg/L	every 6 days	5	5	9.4	14
copper	ug/L	monthly	1	-	-	1.9
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	3	11

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 Water Resource Recovery Facility
March Pollution Monitoring Summary

EPL 218

Summary period: 01-03-2024 to 31-03-2024
Date obtained: 08-04-2024
Date published: 18-04-2024

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	-	-	17
biochemical oxygen demand	mg/L	every 6 days	5	8	10	13
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	3	8

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 Water Resource Recovery Facility
February Pollution Monitoring Summary

EPL 218

Summary period: 01-02-2024 to 29-02-2024
Date obtained: 11-03-2024
Date published: 22-03-2024

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	-	-	11
biochemical oxygen demand	mg/L	every 6 days	5	6	7.2	9
copper	ug/L	monthly	1	-	-	3.1
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	8

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 Water Resource Recovery Facility
January Pollution Monitoring Summary

EPL 218

Summary period: 01-01-2024 to 31-01-2024
Date obtained: 05-02-2024
Date published: 19-02-2024

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	-	-	47
biochemical oxygen demand	mg/L	every 6 days	5	7	10.2	15
copper	ug/L	monthly	1	-	-	2.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	4	7

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 Water Resource Recovery Facility
December Pollution Monitoring Summary

EPL 218

Summary period: 01-12-2023 to 31-12-2023
Date obtained: 12-01-2024
Date published: 22-01-2024

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	-	-	24
biochemical oxygen demand	mg/L	every 6 days	5	7	8.8	10
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	8	29

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 Water Resource Recovery Facility
November Pollution Monitoring Summary

EPL 218

Summary period: 01-11-2023 to 30-11-2023
Date obtained: 13-12-2023
Date published: 19-12-2023

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	5	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	-	-	126
biochemical oxygen demand	mg/L	every 6 days	5	8	11.4	19
copper	ug/L	monthly	1	-	-	7.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<2	8	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).

Wollongong Water Resource Recovery Facility
October Pollution Monitoring Summary

EPL 218

Summary period: 01-10-2023 to 31-10-2023
Date obtained: 07-11-2023
Date published: 17-11-2023

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	-	-	11
biochemical oxygen demand	mg/L	every 6 days	6	<2	3	5
copper	ug/L	monthly	1	-	-	2.1
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	6	<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).

Wollongong Water Resource Recovery Facility
September Pollution Monitoring Summary

EPL 218

Summary period: 01-09-2023 to 30-09-2023
Date obtained: 02-10-2023
Date published: 13-10-2023

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	-	-	20
biochemical oxygen demand	mg/L	every 6 days	5	3	7	13
copper	ug/L	monthly	1	-	-	2.7
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	5	<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 Water Resource Recovery Facility
August Pollution Monitoring Summary

EPL 218

Summary period: 01-08-2023 to 31-08-2023
Date obtained: 04-09-2023
Date published: 14-09-2023

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	-	-	52
biochemical oxygen demand	mg/L	every 6 days	5	6	12.4	34
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	35

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 Water Resource Recovery Facility
July Pollution Monitoring Summary

EPL 218

Summary period: 01-07-2023 to 31-07-2023
Date obtained: 05-08-2023
Date published: 15-08-2023

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	-	-	30
biochemical oxygen demand	mg/L	every 6 days	5	4	4.8	6
copper	ug/L	monthly	1	-	-	2.1
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	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).