

# Wollongong Water Resource Recovery Facility

## March Pollution Monitoring Summary



### EPL 218

Summary period: 01-03-2025 to 31-03-2025  
Date obtained: 08-04-2025  
Date published: 22-04-2025

**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	-	-	<5
biochemical oxygen demand	mg/L	every 6 days	5	6	10.4	20
copper	ug/L	monthly	1	-	-	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	17	58

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: 01-02-2025 to 28-02-2025  
Date obtained: 07-03-2025  
Date published: 19-03-2025

**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	6	9.6	13
copper	ug/L	monthly	1	-	-	2.2
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	4	10

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: 01-01-2025 to 31-01-2025  
Date obtained: 07-02-2025  
Date published: 14-02-2025

**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	7	16	40
copper	ug/L	monthly	1	-	-	3
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	28	86

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: 01-12-2024 to 31-12-2024  
Date obtained: 07-01-2025  
Date published: 15-01-2025

**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	-	-	43
biochemical oxygen demand	mg/L	every 6 days	5	5	9.4	13
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	4	9	26

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: 01-11-2024 to 30-11-2024  
Date obtained: 09-12-2024  
Date published: 13-12-2024

**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	-	-	11
biochemical oxygen demand	mg/L	every 6 days	5	9	21.6	56
copper	ug/L	monthly	1	-	-	1.3
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	33	120

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: 01-10-2024 to 31-10-2024  
Date obtained: 09-11-2024  
Date published: 15-11-2024

**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	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	-	-	143
biochemical oxygen demand	mg/L	every 6 days	6	12	20	39
copper	ug/L	monthly	1	-	-	5.3
diazinon	ug/L	monthly	1	-	-	<0.1
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
total suspended solids	mg/L	every 6 days	6	4	12	25

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: 01-09-2024 to 30-09-2024  
Date obtained: 04-10-2024  
Date published: 15-10-2024

**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	10	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	7	22	41
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	3	23	60

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: 01-08-2024 to 31-08-2024  
Date obtained: 05-09-2024  
Date published: 13-09-2024

**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	-	-	10
biochemical oxygen demand	mg/L	every 6 days	5	6	8	11
copper	ug/L	monthly	1	-	-	1.5
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	<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 Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 218

Summary period: 01-07-2024 to 31-07-2024  
Date obtained: 06-08-2024  
Date published: 16-08-2024

**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	-	-	127
biochemical oxygen demand	mg/L	every 6 days	5	4	6	9
copper	ug/L	monthly	1	-	-	4.8
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	4	16

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).