

Cronulla Water Resource Recovery Facility

March Pollution Monitoring Summary



EPL 1728

Summary period: 01-03-2025 to 31-03-2025
Date obtained: 07-04-2025
Date published: 15-04-2025

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	7	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	<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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	28
biochemical oxygen demand	mg/L	every 6 days	5	3	11.4	22
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	3.3
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	10.9
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	5	14
zinc	ug/L	monthly	1	-	-	22

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	49	92
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

February Pollution Monitoring Summary



EPL 1728

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 3 Site code CR0003	Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	7	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	<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 3 Site code CR0003	Point description: Inlet to the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	27
biochemical oxygen demand	mg/L	every 6 days	5	<2	7.6	12
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	4.1
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	17.1
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	3	10
zinc	ug/L	monthly	1	-	-	29

EPA Point 17 Site code CR0017	Point description: Outlet of the UV chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	133	640
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

January Pollution Monitoring Summary



EPL 1728

Summary period: 01-01-2025 to 31-01-2025
Date obtained: 09-02-2025
Date published: 21-02-2025

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	2	yes
oil and grease	mg/L	monthly	15	5	yes
total suspended solids	mg/L	monthly	30	<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 3 Site code CR0003		Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	29
biochemical oxygen demand	mg/L	every 6 days	5	3	8	15
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	3
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	12.6
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	4	14
zinc	ug/L	monthly	1	-	-	17

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	12	225	700
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

December Pollution Monitoring Summary



EPL 1728

Summary period: 01-12-2024 to 31-12-2024
Date obtained: 06-01-2025
Date published: 15-01-2025

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber				
pollutant		unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand		mg/L	monthly	40	4	yes
oil and grease		mg/L	monthly	15	<5	yes
total suspended solids		mg/L	monthly	30	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 3 Site code CR0003		Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	51
biochemical oxygen demand	mg/L	every 6 days	5	2	4.2	6
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	7.7
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	5
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	6	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	2
zinc	ug/L	monthly	1	-	-	28

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	9	135	420
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

November Pollution Monitoring Summary



EPL 1728

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 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	8	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	<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 3 Site code CR0003		Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	27
biochemical oxygen demand	mg/L	every 6 days	5	8	13.6	31
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	3
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	14.4
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	7
total suspended solids	mg/L	every 6 days	5	<2	6	27
zinc	ug/L	monthly	1	-	-	25

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	4	1,357	5,400
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

October Pollution Monitoring Summary



EPL 1728

Summary period: 01-10-2024 to 31-10-2024
Date obtained: 06-11-2024
Date published: 15-11-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	12	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	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 3 Site code CR0003		Point description: Inlet to the UV chamber				
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	6	10	14
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	5.2
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	17.9
nonylphenol ethoxylate	ug/L	monthly	1	-	-	7
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	2	8
zinc	ug/L	monthly	1	-	-	25

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	6	1	684	3,600
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

September Pollution Monitoring Summary



EPL 1728

Summary period: 01-09-2024 to 30-09-2024
Date obtained: 10-10-2024
Date published: 23-10-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	17	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	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 3 Site code CR0003		Point description: Inlet to the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	29
biochemical oxygen demand	mg/L	every 6 days	5	9	11	14
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	3.2
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	37.2
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	<2	4
zinc	ug/L	monthly	1	-	-	16

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	73	2,697	8,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

August Pollution Monitoring Summary



EPL 1728

Summary period: 01-08-2024 to 31-08-2024
Date obtained: 11-09-2024
Date published: 13-09-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	6	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	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 3 Site code CR0003		Point description: Inlet to the UV chamber				
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	6	<2	8	21
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	3.6
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	32.4
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	6	<5	<5	<5
total suspended solids	mg/L	every 6 days	6	<2	<2	3
zinc	ug/L	monthly	1	-	-	16

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	2	188	880
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).

Cronulla Water Resource Recovery Facility

July Pollution Monitoring Summary



EPL 1728

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

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber			
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits
biochemical oxygen demand	mg/L	monthly	40	5	yes
oil and grease	mg/L	monthly	15	<5	yes
total suspended solids	mg/L	monthly	30	<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 3 Site code CR0003		Point description: Inlet to the UV chamber				
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	3	10	33
chlorpyrifos	ug/L	monthly	1	-	-	<0.05
copper	ug/L	monthly	1	-	-	5.9
cyanide	ug/L	monthly	1	-	-	<5
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	13.2
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
oil and grease	mg/L	every 6 days	5	<5	<5	<5
total suspended solids	mg/L	every 6 days	5	<2	4	22
zinc	ug/L	monthly	1	-	-	24

EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	88	430
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

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

Effluent quality monitoring results obtained from EPA Points 3 and 17 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).