

Cronulla Wastewater Treatment Plant

2021-22 Pollution monitoring yearly limit summaries



EPL 1728

Summary period: 01-07-2021 to 30-06-2022

Date published: 19-08-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days	61	<2	28	15	4	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	21	15	<2	yes
oil and grease	mg/L	every 6 days	61	<5	<5	5	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	54	10	<2	yes

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90 percentile yearly summary								
EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
aluminium	ug/L	monthly	12	13	220	383	28	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	28	20	8	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	21	20	3	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	1	<0.05	yes
copper	ug/L	monthly	12	3.5	20.7	500	7.1	yes
cyanide	ug/L	monthly	12	<5	<5	10	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	2	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	4	23.2	52	21.7	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	9	11	6	yes
oil and grease	mg/L	every 6 days	61	<5	<5	8	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	54	15	5	yes
zinc	ug/L	monthly	12	19	40	100	29	yes

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Average yearly summary								
EPA Point 3 Site code CR0003		Point description: Inlet to the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	13	220	100	39	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	0.09	<0.05	yes
copper	ug/L	monthly	12	3.5	20.7	50	7	yes
cyanide	ug/L	monthly	12	<5	<5	5	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	4	23.2	31	15.46	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	9	8	<5	yes
zinc	ug/L	monthly	12	19	40	55	25	yes

50 percentile yearly summary								
EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	79,000	200	16	yes

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90 percentile yearly summary								
EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	70	<30	yes

90 percentile yearly summary								
EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	49.2	100	0.19	49.7	yes

Average yearly summary								
EPA Point 17 Site code CR0017		Point description: Outlet of the UV chamber						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	38	<30	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	49.2	100	1.53	72	yes

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).