

Cronulla Wastewater Treatment Plant

2020-21 Pollution monitoring yearly limit summaries



EPL 1728

Summary period: 01-07-2020 to 30-06-2021

Date published: 13-08-2021

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	50	<2	22	15	4	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	22	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	19	34	1,600	33	yes
biochemical oxygen demand	mg/L	every 6 days	50	<2	22	20	14	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	8.5	<0.05	yes
copper	ug/L	monthly	12	4.3	9.7	2,800	9	yes
cyanide	ug/L	monthly	12	<5	6	460	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	9.3	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	5.8	29.1	85.7	19.8	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	1,500	<5	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	22	15	2	yes
zinc	ug/L	monthly	12	20	40	1,400	37	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	19	34	330	27	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	0.5	<0.05	yes
copper	ug/L	monthly	12	4.3	9.7	250	7	yes
cyanide	ug/L	monthly	12	<5	6	250	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.7	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	5.8	29.1	45.7	12.87	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	450	<5	yes
zinc	ug/L	monthly	12	20	40	800	30	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	38,000	200	54	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	7,800	<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	44	100	0.19	65.9	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	1,300	<30	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	44	100	1.53	83.3	yes

Note: Sydney Water commenced monitoring of biochemical oxygen demand from 1st September 2020. Historically, carbonaceous biochemical oxygen demand was monitored.

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).