

Cronulla Wastewater Treatment Plant

2022-23 Pollution monitoring yearly limit summaries



EPL 1728

Summary period: 01-07-2022 to 30-06-2023

Date published: 1-09-2023

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	21	15	3	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	23	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	15	182	383	144	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	21	20	8	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	1	<0.05	yes
copper	ug/L	monthly	12	2.6	13.5	500	11.2	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	7.1	37.6	52	30.1	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	8	11	<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	23	15	2	yes
zinc	ug/L	monthly	12	14	31	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	15	182	100	44	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	0.09	<0.05	yes
copper	ug/L	monthly	12	2.6	13.5	50	5	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	7.1	37.6	31	19.63	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	8	8	<5	yes
zinc	ug/L	monthly	12	14	31	55	20	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	70,000	200	18	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	49.6	100	0.19	53.2	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	49.6	100	1.53	88.6	yes