

Cronulla Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 1728

Summary period: 01-07-2019 to 30-06-2020

Date published: 10-08-2020

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
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	32	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	72	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	20	69	1,600	35	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	32	20	3	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	8.5	<0.05	yes
copper	ug/L	monthly	12	4.7	9.5	2,800	9.2	yes
cyanide	ug/L	monthly	12	<5	<5	460	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	9.3	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	1.1	35.6	85.7	11.6	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	13	1,500	10	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	72	15	3	yes
zinc	ug/L	monthly	12	25	40	1,400	35	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	20	69	330	31	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	0.5	<0.05	yes
copper	ug/L	monthly	12	4.7	9.5	250	7	yes
cyanide	ug/L	monthly	12	<5	<5	250	<5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.7	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	1.1	35.6	45.7	8.82	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	13	450	<5	yes
zinc	ug/L	monthly	12	25	40	800	32	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	65,000	200	46	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	36.5	100	0.19	59.4	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	36.5	100	1.53	84.5	yes