

Cronulla Wastewater Treatment Plant

2015-16 Pollution monitoring yearly limit summaries



EPL 1728

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

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	20	15	<2	yes
oil and grease	mg/L	every 6 days	61	<5	<10	5	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	42	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	12	514	1,600	348	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	20	20	2	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	8.5	<0.05	yes
copper	ug/L	monthly	12	4	18	2,800	16	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	7.3	47	85.7	38.5	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	8	1,500	8	yes
oil and grease	mg/L	every 6 days	61	<5	<10	8	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	42	15	<2	yes
zinc	ug/L	monthly	12	24	38	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	12	514	330	91	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	0.5	<0.05	yes
copper	ug/L	monthly	12	4	18	250	8	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	7.3	47	45.7	22.49	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	8	450	5	yes
zinc	ug/L	monthly	12	24	38	800	29	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	41,000	200	13	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	<5	12	7,800	8	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	91.2	100	0.19	100	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	<5	12	1,300	<5	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	91.2	100	1.53	99.3	yes