

Wallacia Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 12235

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 4 Site code WL0004		Point description: From the dechlorination tank						
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	<2	5	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	100	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	3.82	0.5	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	2.47	9.58	7.5	5.07	yes
phosphorus (total)	mg/L	every 6 days	61	0.01	0.18	0.15	0.03	yes
total suspended solids	mg/L	every 6 days	61	<2	<2	5	<2	yes

80 percentile yearly summary								
EPA Point 4 Site code WL0004		Point description: From the dechlorination tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	6,300	200	5	yes

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90 percentile yearly summary								
EPA Point 4 Site code WL0004	Point description: From the dechlorination tank							
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	<5	6	1,500	<5	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	10	<2	yes
copper	ug/L	monthly	12	1.9	5	100	4.7	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	3,300	<30	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	3.82	1	0.16	yes
nitrogen (total)	mg/L	every 6 days	61	2.47	9.58	10	7.67	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	580	<5	yes
phosphorus (total)	mg/L	every 6 days	61	0.01	0.18	0.3	0.12	yes
total suspended solids	mg/L	every 6 days	61	<2	<2	10	<2	yes
zinc	ug/L	monthly	12	11	17	110	15	yes

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Average yearly summary								
EPA Point 4 Site code WL0004		Point description: From the dechlorination tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	<5	6	800	<5	yes
copper	ug/L	monthly	12	1.9	5	35	3	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	290	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	64	<5	yes
zinc	ug/L	monthly	12	11	17	87	14	yes