

Wallacia Wastewater Treatment Plant

2017-18 Pollution monitoring yearly limit summaries



EPL 12235

Summary period: 01-07-2017 to 30-06-2018

Date published: 14-09-2018

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	0.24	0.5	0.01	yes
nitrogen (total)	mg/L	every 6 days	61	1.89	4.93	7.5	2.86	yes
phosphorus (total)	mg/L	every 6 days	61	0.01	0.11	0.15	0.02	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	1,400	200	4	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	5	1,500	<5	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	10	<2	yes
copper	ug/L	monthly	12	0.9	4.1	100	3.6	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	216	3,300	38	yes
nitrogen (ammonia)	mg/L	every 6 days	61	<0.01	0.24	1	0.03	yes
nitrogen (total)	mg/L	every 6 days	61	1.89	4.93	10	3.82	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	11	580	10	yes
phosphorus (total)	mg/L	every 6 days	61	0.01	0.11	0.3	0.03	yes
total suspended solids	mg/L	every 6 days	61	<2	<2	10	<2	yes
zinc	ug/L	monthly	12	10	18	110	18	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	5	800	<5	yes
copper	ug/L	monthly	12	0.9	4.1	35	2	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	216	290	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	11	64	<5	yes
zinc	ug/L	monthly	12	10	18	87	13	yes