

Wallacia Wastewater Treatment Plant

2016-17 Pollution monitoring yearly limit summaries



EPL 12235

Summary period: 01-07-2016 to 30-06-2017

Date published: 11-08-2017

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	0.61	0.5	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	2.22	6.46	7.5	3.97	yes
phosphorus (total)	mg/L	every 6 days	61	<0.01	0.1	0.15	0.02	yes
total suspended solids	mg/L	every 6 days	61	<2	4	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	280	200	6	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	14	1,500	13	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	10	<2	yes
copper	ug/L	monthly	12	2.3	13.2	100	11.7	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	3,300	<30	yes
nitrogen (ammonia)	mg/L	every 6 days	61	<0.01	0.61	1	0.32	yes
nitrogen (total)	mg/L	every 6 days	61	2.22	6.46	10	5.13	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	580	<5	yes
phosphorus (total)	mg/L	every 6 days	61	<0.01	0.1	0.3	0.03	yes
total suspended solids	mg/L	every 6 days	61	<2	4	10	<2	yes
zinc	ug/L	monthly	12	9	23	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	14	800	<5	yes
copper	ug/L	monthly	12	2.3	13.2	35	7.2	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	9	23	87	14	yes