

Wallacia Wastewater Treatment Plant

2022-23 Pollution monitoring yearly limit summaries



EPL 12235

Summary period: 01-07-2022 to 30-06-2023

Date published: 1-09-2023

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
biochemical oxygen demand	mg/L	every 6 days	60	<2	4	5	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	12.5	100	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	60	0.02	3.36	0.5	0.12	yes
nitrogen (total)	mg/L	every 6 days	60	1.57	14	7.5	4.1	yes
phosphorus (total)	mg/L	every 6 days	60	0.04	0.39	0.15	0.08	yes
total suspended solids	mg/L	every 6 days	60	<2	3	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	140	200	7	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	8	85	7	yes
biochemical oxygen demand	mg/L	every 6 days	60	<2	4	10	<2	yes
copper	ug/L	monthly	12	2.2	4.8	31	4.4	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
nitrogen (ammonia)	mg/L	every 6 days	60	0.02	3.36	1	0.76	yes
nitrogen (total)	mg/L	every 6 days	60	1.57	14	10	9.02	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	580	<5	yes
phosphorus (total)	mg/L	every 6 days	60	0.04	0.39	0.3	0.12	yes
total suspended solids	mg/L	every 6 days	60	<2	3	10	<2	yes
zinc	ug/L	monthly	12	9	19	26	16	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	8	81	<5	yes
copper	ug/L	monthly	12	2.2	4.8	18	4	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	64	<5	yes
zinc	ug/L	monthly	12	9	19	20	14	yes