

Wallacia Wastewater Treatment Plant

2023-24 Pollution monitoring yearly limit summaries



EPL 12235

Summary period: 01-07-2023 to 30-06-2024

Date published: 01-09-2024

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	61	<2	4	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	2.97	0.5	0.17	yes
nitrogen (total)	mg/L	every 6 days	61	3.3	9.63	7.5	5.17	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.38	0.15	0.05	yes
total suspended solids	mg/L	every 6 days	61	<2	14	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	3,800	200	32	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	88	85	<5	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	4	10	<2	yes
copper	ug/L	monthly	12	1.8	5.3	31	4.0	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
nitrogen (ammonia)	mg/L	every 6 days	61	<0.01	2.97	1	0.75	yes
nitrogen (total)	mg/L	every 6 days	61	3.3	9.63	10	7.77	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	580	<5	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.38	0.3	0.09	yes
total suspended solids	mg/L	every 6 days	61	<2	14	10	<2	yes
zinc	ug/L	monthly	12	10	20	26	19	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	88	81	10	yes
copper	ug/L	monthly	12	1.8	5.3	18	3.2	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	10	20	20	14	yes