

Wallacia Wastewater Treatment Plant

2021-22 Pollution monitoring yearly limit summaries



EPL 12235

Summary period: 01-07-2021 to 30-06-2022

Date published: 30-08-2022

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	3	5	<2	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	3	5	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	14.4	100	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	4.05	0.5	0.05	yes
nitrogen (total)	mg/L	every 6 days	61	2.12	6.67	7.5	4.18	yes
phosphorus (total)	mg/L	every 6 days	61	0.03	0.35	0.15	0.06	yes
total suspended solids	mg/L	every 6 days	61	<2	8	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	30	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	7	85	<5	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	3	10	<2	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	3	10	<2	yes
copper	ug/L	monthly	12	1.2	20.9	31	13.7	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	4.05	1	0.68	yes
nitrogen (total)	mg/L	every 6 days	61	2.12	6.67	10	5.59	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	580	<5	yes
phosphorus (total)	mg/L	every 6 days	61	0.03	0.35	0.3	0.13	yes
total suspended solids	mg/L	every 6 days	61	<2	8	10	<2	yes
zinc	ug/L	monthly	12	<1	24	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	7	81	<5	yes
copper	ug/L	monthly	12	1.2	20.9	18	7	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	<1	24	20	14	yes

Effluent quality monitoring results obtained from EPA Point 4 are used to indicate the quality of water discharged at EPA Point 2 (discharge to waters).