

# Winmalee Wastewater Treatment Plant

## 2021-22 Pollution monitoring yearly limit summaries



### EPL 1963

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 WM0004		Point description: Downstream of the chamber prior to discharge						
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	10	10	<2	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	9	10	<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	5.32	2	0.08	yes
nitrogen (total)	mg/L	every 6 days	61	3.76	15.2	15	9.33	yes
phosphorus (total)	mg/L	every 6 days	61	0.1	0.35	2	0.19	yes
total suspended solids	mg/L	every 6 days	61	<2	2	10	<2	yes

80 percentile yearly summary								
EPA Point 4 Site code WM0004		Point description: Downstream of the chamber prior to discharge						
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	60	<1	490	200	3	yes

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90 percentile yearly summary								
EPA Point 4 Site code WM0004	Point description: Downstream of the chamber prior to discharge							
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	65	270	8	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	10	15	<2	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	9	15	<2	yes
chlorine (total residual)	mg/L	every 6 days	59	<0.04	<0.04	0.1	<0.04	yes
copper	ug/L	monthly	12	2.9	9.5	9	6.5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes
iron	ug/L	monthly	12	37	208	880	114	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	5.32	5	1.67	yes
nitrogen (total)	mg/L	every 6 days	61	3.76	15.2	20	12.6	yes
phosphorus (total)	mg/L	every 6 days	61	0.1	0.35	3	0.26	yes
total suspended solids	mg/L	every 6 days	61	<2	2	15	<2	yes
zinc	ug/L	monthly	12	14	34	33	25	yes

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Average yearly summary								
EPA Point 4 Site code WM0004		Point description: Downstream of the chamber prior to discharge						
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	65	190	9	yes
copper	ug/L	monthly	12	2.9	9.5	7	6	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
iron	ug/L	monthly	12	37	208	650	89	yes
zinc	ug/L	monthly	12	14	34	25	19	yes
cobalt	ug/L	bi-annually	2	0.3	0.7	-	0.5	n/a

Effluent quality monitoring results obtained from EPA Point 4 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).