

Malabar Wastewater Treatment Plant

2020-21 Pollution monitoring yearly limit summaries



EPL 372

Summary period: 01-07-2020 to 30-06-2021

Date published: 13-08-2021

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 6 Site code MA0006		Point description: Upstream of the bulkhead in the effluent channel						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
oil and grease	mg/L	every 6 days	61	8	68	40	40	yes
total suspended solids	mg/L	every 6 days	61	59	230	250	170	yes

90 percentile yearly summary								
EPA Point 6 Site code MA0006		Point description: Upstream of the bulkhead in the effluent channel						
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	438	1,100	2,400	823	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	48	17,300	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	36	338	13,200	328	yes
oil and grease	mg/L	every 6 days	61	8	68	60	55	yes
total suspended solids	mg/L	every 6 days	61	59	230	300	210	yes

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90 percentile yearly summary

EPA Point 6 Site code MA0006		Point description: Upstream of the bulkhead in the effluent channel						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.22	4.8	0.1	0.34	yes

Average yearly summary

EPA Point 6 Site code MA0006		Point description: Upstream of the bulkhead in the effluent channel						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	438	1,100	890	635	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	48	3,700	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	36	338	2,100	173	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.22	4.8	0.19	1.3	yes

Effluent quality monitoring results obtained from EPA Point 6 are used to indicate the quality of water discharged at EPA Point 2 (deep water ocean outfall).

As per clause M2.4 under EPL 372, collection of samples from EPA Point 7 or EPA Point 8 is required when sewage or effluent is discharged from EPA Point 3 or 4. There was no discharge from EPA Point 3 or 4 during the 2020-21 monitoring period.