

Malabar Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 372

Summary period: 01-07-2019 to 30-06-2020

Date published: 10-08-2020

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	13	51	40	41	no ¹
total suspended solids	mg/L	every 6 days	61	74	250	250	150	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	381	878	2,400	762	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	70	17,300	60	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	456	13,200	387	yes
oil and grease	mg/L	every 6 days	61	13	51	60	49	yes
total suspended solids	mg/L	every 6 days	61	74	250	300	200	yes

¹. Increase in Oil and Grease influent concentration and load as well as an increase in emulsified oil and grease due to changing practices within the catchment contributed to Oil and Grease exceedance.

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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	0.4	2.5	0.1	0.46	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	381	878	890	645	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	70	3,700	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	456	2,100	232	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.4	2.5	0.19	1	yes

Note: As per clause M2.4 under EPL 372, collection of samples is required when sewage or effluent is discharged from Point 3 or 4. There was no discharge from Point 3 or 4 during the 2019-20 reporting period.