

Bondi Wastewater Treatment Plant

2018-19 Pollution monitoring yearly limit summaries



EPL 1688

Summary period: 01-07-2018 to 30-06-2019

Date published: 09-09-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks						
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	60	37	62	40	49	no ¹
total suspended solids	mg/L	every 6 days	60	74	260	200	110	yes

90 percentile yearly summary								
EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks						
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	205	935	990	385	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	690	19,900	289	yes
nonylphenol ethoxylate	ug/L	monthly	12	105	312	830	206	yes
oil and grease	mg/L	every 6 days	60	37	62	50	54	no ¹
total suspended solids	mg/L	every 6 days	60	74	260	250	140	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 exceedances.

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90 percentile yearly summary

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks						
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	0.8	5.7	0.16	0.9	yes

Average yearly summary

EPA Point 5 Site code BN0005		Point description: In the effluent channel downstream of the sedimentation tanks						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	205	935	540	332	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	690	3,000	99	yes
nonylphenol ethoxylate	ug/L	monthly	12	105	312	510	162	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.8	5.7	0.27	2.4	yes