

Bondi Wastewater Treatment Plant

2015-16 Pollution monitoring yearly limit summaries



EPL 1688

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

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	61	21	59	40	41	no ¹
total suspended solids	mg/L	every 6 days	61	60	140	200	100	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	271	549	990	514	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	62	19,900	60	yes
nonylphenol ethoxylate	ug/L	monthly	12	45	175	830	146	yes
oil and grease	mg/L	every 6 days	61	21	59	50	54	no ¹
total suspended solids	mg/L	every 6 days	61	60	140	250	130	yes

1. The oil and grease percentile concentration limits were exceeded for the 2015-16 period. The wastewater treatment plant was performing as expected during this period and Sydney Water is investigating the elevated oil and grease concentrations.

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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	1.1	15.5	0.16	3	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	271	549	540	389	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	62	3,000	18	yes
nonylphenol ethoxylate	ug/L	monthly	12	45	175	510	119	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	1.1	15.5	0.27	9.4	yes