

Bondi Wastewater Treatment Plant

2020-21 Pollution monitoring yearly limit summaries



EPL 1688

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 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	13	49	40	37	yes
total suspended solids	mg/L	every 6 days	61	59	110	200	86	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	184	294	990	249	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	130	19,900	63	yes
nonylphenol ethoxylate	ug/L	monthly	12	26	256	830	247	yes
oil and grease	mg/L	every 6 days	61	13	49	50	42	yes
total suspended solids	mg/L	every 6 days	61	59	110	250	100	yes

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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	5.4	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	184	294	540	225	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	130	3,000	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	26	256	510	167	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.8	5.4	0.27	2.4	yes

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 1 (Deep water ocean outfall).