

Bondi Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 1688

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 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	25	60	40	45	no ¹
total suspended solids	mg/L	every 6 days	61	64	150	200	92	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	186	294	990	252	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	170	19,900	80	yes
nonylphenol ethoxylate	ug/L	monthly	12	8	291	830	238	yes
oil and grease	mg/L	every 6 days	61	25	60	50	54	no ¹
total suspended solids	mg/L	every 6 days	61	64	150	250	120	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	0.7	6.3	0.16	0.8	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	186	294	540	231	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	170	3,000	<30	yes
nonylphenol ethoxylate	ug/L	monthly	12	8	291	510	161	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.7	6.3	0.27	2.6	yes

EPA Point 8		Point description: Upstream of inlet penstocks at Bondi WWTP						
Site code BN0008		unit of measure	sampling frequency	number of samples	minimum	average	maximum	
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum		
oil and grease	mg/L	on bypass ²	1	-	-	36		
total suspended solids	mg/L	on bypass ²	1	-	-	120		

². Under Special Frequency 2 collection of samples when sewage or effluent is discharged to Point 2 during a bypass.