

Bombo Wastewater Treatment Plant

2021-22 Pollution monitoring yearly limit summaries



EPL 2269

Summary period: 01-07-2021 to 30-06-2022

Date published: 30-08-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 4 Site code BO0004	Point description: At the end of the chlorine contact tanks							
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
aluminium	ug/L	monthly	12	15	294	150	25	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	15	15	<2	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	14	15	<2	yes
copper	ug/L	monthly	12	1.5	8.4	25	2	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	<0.1	3.2	47.1	1.2	yes
total suspended solids	mg/L	every 6 days	61	<2	45	20	<2	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	11	8	<5	yes

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90 percentile yearly summary								
EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact 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	15	294	523	89	yes
copper	ug/L	monthly	12	1.5	8.4	65	8	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	<0.1	3.2	18	2.2	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	11	14	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	45	40	12	yes

50 percentile yearly summary								
EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	260,000	150	2	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	58	<30	yes

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90 percentile yearly summary								
EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	97	<30	yes

90 percentile yearly summary								
EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit						
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	100	100	1.18	100	yes

Average yearly summary								
EPA Point 13 Site code BO0013		Point description: In the channel after the dechlorination unit						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	100	100	2.16	100	yes

Effluent quality monitoring results obtained from EPA Point 4 and 13 are used to indicate the quality of water discharged at EPA Point 1 (discharge to waters).