

# Bombo Wastewater Treatment Plant

## 2020-21 Pollution monitoring yearly limit summaries



### EPL 2269

Summary period: 01-07-2020 to 30-06-2021

Date published: 10-08-2021

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	17	841	150	32	yes
biochemical oxygen demand	mg/L	every 6 days	50	<2	32	15	<2	yes
copper	ug/L	monthly	12	1.5	95.6	63	2.8	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.5	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	0.8	16.6	47.1	7.7	yes
total suspended solids	mg/L	every 6 days	61	<2	200	20	4	yes
nonylphenol ethoxylate	mg/L	monthly	12	<5	<5	52	<5	yes

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	17	841	990	475	yes
copper	ug/L	monthly	12	1.5	95.6	100	55.1	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	6.2	<0.1	yes
nitrogen (ammonia)	mg/L	monthly	12	0.8	16.6	82.8	16.2	yes
nonylphenol ethoxylate	ug/L	monthly	12	<5	<5	90	<5	yes
total suspended solids	mg/L	every 6 days	61	<2	200	40	18	yes

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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	60	<1	360,000	150	1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	240	<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
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	1,000	<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	59.6	100	1.18	69.1	yes

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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	59.6	100	2.16	94.1	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).

Note: Sydney Water commenced monitoring of biochemical oxygen demand from 1st September 2020. Historically, carbonaceous biochemical oxygen demand was monitored.