

Bombo Water Resource Recovery Facility

July Pollution Monitoring Summary



EPL 2269

Summary period: 01-07-2026 to 31-07-2026
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Table 1: 3 Day Geometric Mean data

EPA Point 4 Site code BO0004		Point description: At the end of the chlorine contact tanks				
pollutant	unit of measure	sampling frequency	3DGM limit	3DGM Actual	within limits	
total suspended solids	mg/L	monthly	50	20	yes	

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

Table 2: Routine monitoring data

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	mean result	maximum result
aluminium	ug/L	monthly	1	-	-	148
biochemical oxygen demand	mg/L	every 6 days	5	<2	2	7
copper	ug/L	monthly	1	-	-	11.0
diazinon	ug/L	monthly	1	-	-	<0.1
nitrogen (ammonia)	mg/L	monthly	1	-	-	1.9
nonylphenol ethoxylate	ug/L	monthly	1	-	-	<5
total suspended solids	mg/L	every 6 days	5	3	10	33

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	mean result	maximum result
faecal coliforms	CFU/100mL	every 6 days	5	<1	9,612	48,000
hydrogen sulphide (unionised)	ug/L	monthly	1	-	-	<30
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	1	-	-	100

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

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).