

WWTP Effluent Monitoring

Annual Summary

1/11/2017 to 31/10/2018



90 percentiles explained*

Within a licence for each pollutant listed by the EPA, it will have a limit value. This value may be a 100 percentile limit where samples must meet the limit value 100% of the time. Lower limits may also be assigned.

Where there are limit values lower than a 100% limit a sample or samples test results can exceed the limit value. For example, if a 90 percentile limit is assigned to a pollutant, this means 90% of collected samples should meet the limit value. If 10 samples are required in a year only one sample of the ten samples for the year is allowed to exceed the 90 percentile limit value. If more than one sample exceeds this value this would be a non-compliance of the licence conditions.

Treatment Plant: Murwillumbah

EPA Licence Number: 582

License Year: 01 November to 31 October

Monitoring Point: MWWTP/Effluent EPA Point: Point 1

Summary Period 1/11/2017 to 31/10/2018	Pollutant	Units	Count	Min	Max	Mean	90% Value	90% Limit*	Exceed ance
Published: 05 Nov	Ammonia	mg/L	26	0.09	1.45	0.5	0.895	2	No
	BOD5	mg/L	26	<1.0	4.0	2.31	3.5	10	No
	Oil & Grease	mg/L	26	<2.0	2.8	2.05	0.0	5	No
	pH	pH units	26	6.8	7.7	7.21	7.4		-
	Suspended Solids	mg/L	26	<1.0	16.0	5.59	10.3	15	No
	Suspended Solids Corrected	mg/L	1	2.8	2.8	2.8	2.8	15	No
	Thermotolerant Coliforms	cfu/100 ml	26	<1	440	94	244.8	200	Yes
	Total Nitrogen	mg/L	26	3.63	8.43	5.64	7.225	10	No
	Total Phosphorus	mg/L	26	0.06	0.24	0.14	0.195	0.5	No

Monitoring Point: MWWTP/Reuse EPA Point: Point 6

Summary Period 1/11/2017 to 31/10/2018	Pollutant	Units	Count	Min	Max	Mean	90% Value	90% Limit*	Exceed ance
Published: 05 Nov	Ammonia	mg/L	25	<0.02	0.63	0.09	0.322	2	No
	BOD5	mg/L	25	<1.0	4.2	1.6	2.56	10	No
	Oil & Grease	mg/L	25	<2	3	2	0.0	5	No
	pH	pH units	25	7.1	7.8	7.51	7.7		-
	Suspended Solids	mg/L	25	<1	<1	<1.0	0.0	15	No
	Suspended Solids Corrected	mg/L	1	<1	<1	<1	0.5	15	No
	Thermotolerant Coliforms	cfu/100 ml	25	<1	1	1	0.0	200	No
	Total Nitrogen	mg/L	25	2.22	7.8	4.85	6.612	10	No
	Total Phosphorus	mg/L	25	0.02	0.11	0.04	0.06	0.5	No

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