

WWTP Effluent Monitoring
Annual Summary
24/03/2017 to 23/03/2018



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: Tumbulgum

EPA Licence Number: 5622

License Year: 24 March to 23 March

Monitoring Point: TuWWTP/Effluent EPA Point: Point 1

Summary Period	Pollutant	Units	Count	Min	Max	Mean	90% Value	90% Limit*	Exceedance
24/03/2017 to 23/03/2018 Published: 09 Apr	Ammonia	mg/L	26	0.62	8.03	1.88	2.68	5	No
	BOD5	mg/L	26	<1.0	3.6	1.91	2.7	15	No
	Oil & Grease	mg/L	26	<2.0	3.3	2.14	2.68		-
	pH	pH units	26	6.7	7.2	6.9	7.1		-
	Suspended Solids Corrected	mg/L	26	<1.0	6.8	3.83	6.45	20	No
	Thermotolerant Coliforms	cfu/100 ml	26	<1	96	20	59.0	200	No
	Total Nitrogen	mg/L	26	2.44	15.92	5.46	8.385	15	No
	Total Phosphorus	mg/L	26	0.13	0.43	0.24	0.305	1	No