

WWTP Effluent Monitoring

Annual Summary

31/03/2012 to 31/03/2025



*Notes regarding Licence Limits

A single number denotes a maximum value that should not be exceeded.

Two numbers separated by a slash " / " denote a 90% limit and a maximum limit.

Two numbers separated by a dash " - " denote minimum and maximum limits.

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: Mooball

EPA Licence Number: 20172

License Year: 30 October to 29 October

Monitoring Point: MoWWTP/Effluent

EPA Point: Point 1

Summary Period 30/10/2012 to 29/10/2013	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 11 Nov	Ammonia	mg/L	4	0.1	1.34	0.57	1.106	2 / 4	No
	BOD5	mg/L	4	<1.0	3.3	1.88	2.91	10 / 20	No
	Oil & Grease	mg/L	4	<2	<2	<2.0	0.0	5 / 10	No
	pH	pH units	4	7.1	7.3	7.18	7.27	6.5-8.5	No
	Suspended Solids	mg/L	4	1.4	4.4	2.5	3.86	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	4	<1	1	1	0.7	200 / 600	No
	Total Nitrogen	mg/L	4	1.9	6.73	3.85	6.01	10 / 20	No
	Total Phosphorus	mg/L	4	0.07	0.2	0.12	0.176	0.5 / 1	No
Summary Period 30/10/2013 to 29/10/2014	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 10 Nov	Ammonia	mg/L	27	0.03	8.29	1.69	6.82	2 / 4	Yes
	BOD5	mg/L	27	<1.0	16.0	1.87	2.58	10 / 20	No
	Oil & Grease	mg/L	27	<2	2	2	0.0	5 / 10	No
	pH	pH units	27	6.9	7.6	7.22	7.54	6.5-8.5	No
	Suspended Solids	mg/L	27	<1.0	17.0	2.82	6.44	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	27	<1	18	2	3.8	200 / 600	No
	Total Nitrogen	mg/L	27	1.96	23.1	7.0	13.496	10 / 20	Yes
	Total Phosphorus	mg/L	27	0.07	1.13	0.29	0.61	0.5 / 1	Yes

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Summary Period 30/10/2014 to 29/10/2015	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 21 Jan	Ammonia	mg/L	26	<0.02	14.7	0.81	0.43	2 / 4	Yes
	BOD5	mg/L	26	<1.0	3.6	1.45	2.4	10 / 20	No
	Oil & Grease	mg/L	26	<2	8	3	5.0	5 / 10	No
	pH	pH units	26	6.9	7.3	7.08	7.3	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	7.3	1.93	3.25	15 / 30	No
	Thermotoleran t Coliforms	cfu/100 ml	27	<1	4500	169	3.4	200 / 600	Yes
	Total Nitrogen	mg/L	26	0.9	19.8	7.34	15.1	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.07	0.34	0.17	0.265	0.5 / 1	No
Summary Period 30/10/2015 to 29/10/2016	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 03 Nov	Ammonia	mg/L	26	<0.02	1.83	0.15	0.3	2 / 4	No
	BOD5	mg/L	26	<1.0	4.6	1.24	1.3	10 / 20	No
	Oil & Grease	mg/L	26	<2.0	5.0	2.15	0.0	5 / 10	No
	pH	pH units	26	6.9	7.4	7.16	7.3	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	9.3	2.48	5.4	15 / 30	No
	Thermotoleran t Coliforms	cfu/100 ml	26	<1	1	1	0.5	200 / 600	No
	Total Nitrogen	mg/L	26	1.69	11.49	6.16	10.41	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.07	0.44	0.18	0.235	0.5 / 1	No
Summary Period 30/10/2016 to 29/10/2017	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 06 Nov	Ammonia	mg/L	26	<0.02	4.44	0.25	0.29	2 / 4	Yes
	BOD5	mg/L	26	<1.0	2.6	1.35	2.1	10 / 20	No
	Oil & Grease	mg/L	26	<2	3	2	2.0	5 / 10	No
	pH	pH units	26	7.1	7.6	7.32	7.45	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	22.5	4.87	14.0	15 / 30	No
	Thermotoleran t Coliforms	cfu/100 ml	26	<1	10	1	0.0	200 / 600	No
	Total Nitrogen	mg/L	26	1.12	11.85	3.97	6.685	10 / 20	No
	Total Phosphorus	mg/L	26	0.07	0.46	0.23	0.365	0.5 / 1	No
Summary Period 30/10/2017 to 29/10/2018	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 12 Nov	Ammonia	mg/L	26	<0.02	0.46	0.06	0.09	2 / 4	No
	BOD5	mg/L	26	<1.0	3.8	1.35	2.0	10 / 20	No
	Oil & Grease	mg/L	26	<2.0	3.7	2.25	3.05	5 / 10	No

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Summary Period 30/10/2017 to 29/10/2018 Published: 12 Nov	pH	pH units	26	7.1	7.6	7.32	7.4	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	8.4	2.86	5.1	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	26	<1	4	1	1.5	200 / 600	No
	Total Nitrogen	mg/L	26	0.95	8.53	2.88	5.955	10 / 20	No
	Total Phosphorus	mg/L	26	0.14	0.69	0.24	0.35	0.5 / 1	No
Summary Period 30/10/2018 to 29/10/2019 Published: 04 Nov	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceedance
	Ammonia	mg/L	26	0.03	5.12	0.52	1.73	2 / 4	Yes
	BOD5	mg/L	26	<1.0	1.8	1.18	1.8	10 / 20	No
	Oil & Grease	mg/L	26	<2.0	2.2	2.01	0.0	5 / 10	No
	pH	pH units	26	6.7	7.6	7.21	7.4	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	6.0	2.45	4.3	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	26	<1	2	1	0.0	200 / 600	No
	Total Nitrogen	mg/L	26	1.08	22.6	4.74	7.8	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.1	0.34	0.19	0.255	0.5 / 1	No
Summary Period 30/10/2019 to 29/10/2020 Published: 02 Nov	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceedance
	Ammonia	mg/L	26	0.02	0.5	0.09	0.185	2 / 4	No
	BOD5	mg/L	26	<1.0	2.6	1.42	2.4	10 / 20	No
	Oil & Grease	mg/L	26	<2	3	2	2.0	5 / 10	No
	pH	pH units	26	7.2	7.6	7.44	7.5	6.5-8.5	No
	Suspended Solids	mg/L	26	1.2	10.0	4.4	8.4	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	26	<1	103	8	3.5	200 / 600	No
	Total Nitrogen	mg/L	26	0.94	9.03	2.94	5.31	10 / 20	No
	Total Phosphorus	mg/L	26	0.12	1.11	0.24	0.29	0.5 / 1	Yes

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Summary Period 30/10/2020 to 29/10/2021	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 04 Nov	Ammonia	mg/L	26	<0.02	1.3	0.24	0.89	2 / 4	No
	BOD5	mg/L	26	<1.0	4.5	1.65	3.15	10 / 20	No
	Oil & Grease	mg/L	26	<2	3	2	2.0	5 / 10	No
	pH	pH units	26	7.2	7.6	7.34	7.4	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	24.0	5.99	9.35	15 / 30	No
	Thermotoleran t Coliforms	cfu/100 ml	26	<1	58	4	1.0	200 / 600	No
	Total Nitrogen	mg/L	26	0.74	8.44	2.53	5.01	10 / 20	No
	Total Phosphorus	mg/L	26	0.06	0.79	0.25	0.475	0.5 / 1	No
Summary Period 30/10/2021 to 29/10/2022	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 01 Nov	Ammonia	mg/L	26	0.06	20.7	1.81	4.325	2 / 4	Yes
	BOD5	mg/L	26	<1.0	5.1	1.87	3.0	10 / 20	No
	Oil & Grease	mg/L	26	<2	4	2	3.0	5 / 10	No
	pH	pH units	26	6.6	7.3	6.95	7.1	6.5-8.5	No
	Suspended Solids	mg/L	26	1.7	36.0	10.19	17.0	15 / 30	Yes
	Thermotoleran t Coliforms	cfu/100 ml	25	<1	230	16	30.6	200 / 600	No
	Total Nitrogen	mg/L	26	1.86	23.3	6.01	9.18	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.09	0.77	0.26	0.525	0.5 / 1	Yes
Summary Period 30/10/2022 to 29/10/2023	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 01 Nov	Ammonia	mg/L	26	<0.02	21.2	0.94	0.325	2 / 4	Yes
	BOD5	mg/L	26	<1.0	15.0	1.9	2.4	10 / 20	No
	Oil & Grease	mg/L	26	<2	4	2	1.0	5 / 10	No
	pH	pH units	26	6.6	7.5	7.08	7.25	6.5-8.5	No
	Suspended Solids	mg/L	26	1.8	21.0	6.65	14.5	15 / 30	No
	Thermotoleran t Coliforms	cfu/100 ml	26	<1	8600	484	11.0	200 / 600	Yes
	Total Nitrogen	mg/L	26	1.45	22.0	4.4	7.985	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.1	0.62	0.24	0.41	0.5 / 1	No
Summary Period 30/10/2023 to 29/10/2024	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceed ance
Published: 06 Nov	Ammonia	mg/L	26	0.05	13.2	2.04	5.205	2 / 4	Yes
	BOD5	mg/L	26	<1.0	6.3	1.9	3.6	10 / 20	No
	Oil & Grease	mg/L	26	<2	2	2	0.0	5 / 10	No

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Summary Period 30/10/2023 to 29/10/2024 Published: 06 Nov	pH	pH units	26	7.0	7.5	7.2	7.3	6.5-8.5	No
	Suspended Solids	mg/L	26	<1.0	35.0	7.02	9.65	15 / 30	Yes
	Thermotolerant Coliforms	cfu/100 ml	26	<1	49	9	27.5	200 / 600	No
	Total Nitrogen	mg/L	26	1.94	18.2	6.63	12.0	10 / 20	Yes
	Total Phosphorus	mg/L	26	0.15	1.08	0.36	0.57	0.5 / 1	Yes
Summary Period 30/10/2024 to 29/10/2025 Published: 04 Mar	Pollutant	Units	Count	Min	Max	Mean	90% Value	Limits*	Exceedance
	Ammonia	mg/L	11	<0.02	0.2	0.07	0.14	2 / 4	No
	BOD5	mg/L	11	<1.0	2.7	1.55	2.4	10 / 20	No
	Oil & Grease	mg/L	11	<2	<2	<2	0.0	5 / 10	No
	pH	pH units	11	7.1	7.8	7.35	7.5	6.5-8.5	No
	Suspended Solids	mg/L	11	<1.0	9.0	3.13	4.6	15 / 30	No
	Thermotolerant Coliforms	cfu/100 ml	11	<1	7800	802	1000.0	200 / 600	Yes
	Total Nitrogen	mg/L	11	1.26	14.4	5.26	9.96	10 / 20	No
	Total Phosphorus	mg/L	11	0.09	0.45	0.2	0.39	0.5 / 1	No