

WWTP Effluent Monitoring
31/03/2012 to 18/11/2024



Treatment Plant: Tumbulgum

EPA Licence Number: 5622

License Year: 24 March to 23 March

Monitoring Point: TuWWTP/Effluent		EPA Point: Point 1						
Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	Received/ Published
Limits*	5 / 10 (mg/L)	15 / 35 (mg/L)	6.5-8.5 (pH units)	20 / 40 (mg/L)	200 / 600 (cfu/100ml)	15 / 25 (mg/L)	1 / 3 (mg/L)	
4/04/2012	0.88	2.2	7.2	3.4	4	8.17	0.46	20/04/2012 29/06/2012
18/04/2012	6.80	5.7	7.2	12	12	8.81	0.90	4/05/2012 29/06/2012
2/05/2012	0.87	1.1	7.0	5.6	<1	3.64	0.23	16/05/2012 29/06/2012
16/05/2012	0.95	<1.0	7.1	4.0	<1	6.01	0.22	26/05/2012 29/06/2012
30/05/2012	0.88	<1.0	7.2	4.0	<1	9.28	0.33	7/06/2012 29/06/2012
13/06/2012	0.83	2.0	6.9	6.2	2300	7.62	0.42	26/06/2012 29/06/2012
27/06/2012	1.10	1.2	6.9	4.2	60	13.9	0.38	11/07/2012 18/07/2012
11/07/2012	1.11	1.9	7.0	3.8	<4	10.52	0.24	27/07/2012 9/08/2012
25/07/2012	0.93	<1.0	7.0	5.1	<4	4.60	0.11	8/08/2012 9/08/2012
8/08/2012	1.68	1.6	7.0	5.2	1	4.25	0.29	29/08/2012 29/08/2012
22/08/2012	2.65	<1.0	6.3	5.6	<1	5.15	0.08	5/09/2012 12/09/2012
5/09/2012	6.24	2.0	7.2	4.8	<1	6.76	0.22	18/09/2012 19/09/2012
19/09/2012	2.04	2.2	7.0	7.4	1	3.49	0.22	4/10/2012 7/10/2012
3/10/2012	4.70	2.8	7.2	3.0	<1	5.18	0.19	10/10/2012 14/10/2012
17/10/2012	1.30	1.0	7.1	3.7	<1	4.96	0.23	25/10/2012 28/10/2012
31/10/2012	0.93	1.0	7.1	2.8	<1	11.4	0.26	9/11/2012 12/11/2012
14/11/2012	1.20	<1.0	7.2	5.3	2	9.63	0.41	23/11/2012 26/11/2012
28/11/2012	1.59	1.3	7.3	1.8	3	4.06	0.34	11/12/2012 12/12/2012
12/12/2012	1.45	1.8	7.1	6.6	2	3.45	0.30	24/12/2012 25/12/2012
27/12/2012	1.77	2.1	7.1	4.2	<1	3.04	0.20	11/01/2013 14/01/2013
9/01/2013	1.09	2.1	7.1	9.0	1	2.28	0.39	23/01/2013 24/01/2013
23/01/2013	1.19	3.4	7.0	7.0	4	4.31	0.33	31/01/2013 4/02/2013
6/02/2013	0.81	1.9	6.9	12	1	3.32	0.31	19/02/2013 20/02/2013
20/02/2013	0.58	2.0	6.9	19	<10	3.31	1.05	1/03/2013 4/03/2013

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/ Published
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	
6/03/2013	0.95	1.8	6.9	6.0	15	4.05	0.21	19/03/2013 20/03/2013
20/03/2013	1.00	1.1	7.0	5.4	<4	10.9	0.49	4/04/2013 9/04/2013
3/04/2013	1.47	1.0	7.0	5.6	<4	10.6	0.32	16/04/2013 17/04/2013
17/04/2013	0.77	1.2	7.1	4.4	<10	3.64	0.26	26/04/2013 29/04/2013
1/05/2013	0.92	1.5	7.0	8.0	3	5.00	0.55	8/05/2013 9/05/2013
15/05/2013	1.32	2.2	7.0	6.0	9	9.54	0.32	27/05/2013 28/05/2013
29/05/2013	0.32	1.2	6.9	13	4	12.94	0.57	12/06/2013 13/06/2013
12/06/2013	3.27	1.9	7.1	6.0	1	4.91	0.20	25/06/2013 26/06/2013
26/06/2013	0.98	4.0	7.0	13	1	3.72	0.43	9/07/2013 10/07/2013
10/07/2013	1.14	1.2	6.9	4.8	<1	2.82	0.13	24/07/2013 25/07/2013
24/07/2013	1.16	1.4	7.0	5.4	2	2.92	0.30	2/08/2013 5/08/2013
7/08/2013	1.57	1.8	7.0	5.0	<1	2.94	0.24	19/08/2013 20/08/2013
21/08/2013	2.41	3.6	7.1	12	2	3.37	0.38	5/09/2013 9/09/2013
4/09/2013	2.68	2.6	6.9	8.0	7	3.34	0.44	12/09/2013 16/09/2013
18/09/2013	3.45	2.6	6.9	6.6	3	4.41	0.19	1/10/2013 2/10/2013
2/10/2013	1.94	4.2	7.0	18	30	3.44	0.72	14/10/2013 15/10/2013
16/10/2013	0.97	1.6	7.1	8.4	8	6.24	0.56	30/10/2013 31/10/2013
30/10/2013	1.26	1.4	7.1	5.3	<1	3.22	0.45	12/11/2013 13/11/2013
13/11/2013	1.74	2.3	7.1	9.8	5	3.33	0.31	27/11/2013 28/11/2013
27/11/2013	1.30	1.5	7.0	7.4	<1	2.96	0.24	10/12/2013 11/12/2013
11/12/2013	2.21	2.5	7.1	17	5	4.17	0.71	24/12/2013 25/12/2013
24/12/2013	1.71	2.2	6.9	7.3	21	2.90	0.25	2/01/2014 6/01/2014
8/01/2014	4.86	1.6	7.0	4.8	<1	6.13	0.02	20/01/2014 21/01/2014
22/01/2014	0.99	2.1	7.1	5.0	4	3.16	0.57	31/01/2014 3/02/2014
5/02/2014	0.43	1.9	7.0	16	3	4.61	1.10	19/02/2014 20/02/2014
19/02/2014	0.82	1.0	6.7	7.0	1	4.97	0.34	3/03/2014 4/03/2014
5/03/2014	1.21	2.1	6.6	11	1	6.08	0.33	17/03/2014 18/03/2014

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Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
19/03/2014	0.89	<1.0	6.7	6.8	<1	3.85	0.26	1/04/2014 2/04/2014
2/04/2014	1.37	2.7	6.8	8.6	1	2.78	0.22	11/04/2014 14/04/2014
16/04/2014	0.96	1.2	6.7	6.2	<1	5.14	0.16	28/04/2014 29/04/2014
30/04/2014	2.00	1.7	6.9	6.0	5	3.55	0.19	8/05/2014 12/05/2014
14/05/2014	1.55	1.1	6.9	4.8	3	4.25	0.15	22/05/2014 26/05/2014
28/05/2014	1.76	1.1	7.1	4.8	2	4.13	0.14	11/06/2014 12/06/2014
11/06/2014	1.92	3.3	6.9	3.8	2	4.81	0.15	24/06/2014 25/06/2014
25/06/2014	1.48	1.3	6.9	1.4	1	7.33	0.15	4/07/2014 7/07/2014
9/07/2014	2.18	<1.0	6.9	2.0	<2	12.24	0.16	17/07/2014 21/07/2014
23/07/2014	1.49	<1.0	6.5	6.2	<1	11.89	0.09	1/08/2014 4/08/2014
6/08/2014	1.24	<1.0	6.6	7.2	<1	4.42	0.09	18/08/2014 19/08/2014
20/08/2014	1.01	<1.0	6.4	6.8	<1	3.94	0.10	2/09/2014 3/09/2014
3/09/2014	1.54	2.3	7.1	3.4	4	3.78	0.38	18/09/2014 22/09/2014
17/09/2014	1.25	1.1	6.5	13	<1	3.65	0.17	30/09/2014 1/10/2014
1/10/2014	1.07	<1.0	6.4	8.2	2	2.51	0.06	15/10/2014 20/10/2014
15/10/2014	1.03	<1.0	6.4	7.0	1	2.64	0.06	28/10/2014 29/10/2014
29/10/2014	1.27	1.2	6.3	11	<1	1.98	0.09	7/11/2014 10/11/2014
12/11/2014	1.34	1.2	6.7	7.6	<1	2.54	0.12	26/11/2014 27/11/2014
26/11/2014	4.34	2.3	7.1	10	<1	5.38	0.26	10/12/2014 11/12/2014
10/12/2014	1.20	3.7	7.1	9.2	8	2.77	0.42	19/12/2014 22/12/2014
23/12/2014	2.69	3.6	7.1	4.6	6	3.64	0.35	6/01/2015 7/01/2015
7/01/2015	4.92	2.6	7.1	6.8	15	6.06	0.46	21/01/2015 22/01/2015
21/01/2015	0.90	1.4	7.0	3.1	5	3.28	0.27	4/02/2015 5/02/2015
4/02/2015	3.00	4.2	7.2	11	11	4.91	1.16	18/02/2015 19/02/2015
18/02/2015	1.28	1.6	7.1	3.0	2	3.40	0.36	3/03/2015 4/03/2015
4/03/2015	1.09	1.6	7.0	8.0	1	4.21	0.43	17/03/2015 18/03/2015
18/03/2015	11.4	3.6	7.1	12	1	14.4	0.78	27/03/2015 30/03/2015

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Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
1/04/2015	0.92	<1.0	6.9	3.2	2	9.95	0.47	14/04/2015 16/04/2015
15/04/2015	1.03	2.0	6.9	5.6	2	7.05	0.29	29/04/2015 30/04/2015
29/04/2015	1.06	1.6	6.7	4.2	2	9.88	0.21	12/05/2015 14/05/2015
13/05/2015	1.03	1.0	7.0	3.7	<1	5.01	0.20	26/05/2015 28/05/2015
27/05/2015	1.17	1.9	6.9	3.0	41	7.33	0.22	2/06/2015 4/06/2015
10/06/2015	1.50	1.9	7.1	2.4	3	12.8	0.21	24/06/2015 25/06/2015
24/06/2015	1.12	<1.0	6.9	1.2	7	10.73	0.21	7/07/2015 8/07/2015
8/07/2015	1.39	2.6	6.9	2.6	<1	9.22	0.22	21/07/2015 23/07/2015
22/07/2015	1.43	3.1	6.7	3.4	11	24.2	0.22	5/08/2015 6/08/2015
5/08/2015	1.44	3.2	7.1	3.4	1	8.47	0.35	18/08/2015 19/08/2015
19/08/2015	3.00	1.6	7.2	6.6	41	8.78	0.27	31/08/2015 1/09/2015
2/09/2015	1.40	2.2	6.9	4.2	9	10.8	0.31	9/09/2015 10/09/2015
16/09/2015	2.12	2.6	6.9	4.5	9	5.77	0.40	30/09/2015 1/10/2015
30/09/2015	2.13	4.0	7.0	8.2	12	4.63	0.45	8/10/2015 12/10/2015
14/10/2015	2.26	2.8	6.8	4.0	9	4.09	0.35	27/10/2015 28/10/2015
28/10/2015	2.1	3.0	7.0	4.6	3700	4.81	0.33	11/11/2015 12/11/2015
11/11/2015	1.84	1.8	6.8	3.4	19	6.24	0.19	25/11/2015 26/11/2015
25/11/2015	1.59	1.5	7.6	3.7	28	5.16	0.22	11/12/2015 14/12/2015
9/12/2015	1.37	2.0	6.9	4.4	3	3.27	0.24	23/12/2015 28/12/2015
23/12/2015	2.12	4.4	6.8	5.1	<1	3.5	0.29	7/01/2016 21/01/2016
6/01/2016	3.4	3.8	6.8	7.2	31	4.77	0.31	15/01/2016 21/01/2016
20/01/2016	2.83	4.8	6.9	8.0	82	4.53	0.46	2/02/2016 25/02/2016
3/02/2016	1.84	2.0	6.9	5.8	<1	3.36	0.27	17/02/2016 25/02/2016
17/02/2016	2.22	3.8	6.8	7.8	19	3.67	0.35	1/03/2016 3/03/2016
2/03/2016	2.72	2.8	6.8	<1.0	52	6.84	0.4	9/03/2016 10/03/2016
16/03/2016	1.54	1.6	6.9	3.4	21	3.86	0.26	24/03/2016 28/03/2016
30/03/2016	3.02	3.4	7.1	12	23	4.29	0.48	12/04/2016 13/04/2016

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Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
13/04/2016	28.89	21	6.5	78	<1	35.23	1.77	26/04/2016 27/04/2016
27/04/2016	2.9	1.2	6.8	3.0	12	11.06	0.14	10/05/2016 11/05/2016
11/05/2016	1.52	1.0	6.7	2.4	6	15.58	0.16	18/05/2016 19/05/2016
25/05/2016	2.19	2.0	6.9	2.2	3	4.31	0.24	7/06/2016 8/06/2016
8/06/2016	2.21	2.4	6.8	1.7	27	8.94	0.27	21/06/2016 23/06/2016
22/06/2016	2.49	1.8	7.0	2.6	<1	6.81	0.28	30/06/2016 11/08/2016
6/07/2016	2.05	5.4	7.1	15	2	7.78	0.53	20/07/2016 11/08/2016
20/07/2016	1.39	2.2	7.1	3.2	<1	4.23	0.35	27/07/2016 11/08/2016
3/08/2016	1.5	1.2	6.9	4.2	1	4.82	0.31	11/08/2016 15/08/2016
17/08/2016	1.6	1.0	7.1	4.5	10	4.58	0.3	30/08/2016 31/08/2016
31/08/2016	1.3	1.2	7.0	5.0	46	3.58	0.37	6/09/2016 7/09/2016
14/09/2016	1.41	1.8	7.0	4.0	1	3.38	0.31	21/09/2016 22/09/2016
28/09/2016	1.67	2.2	7.0	3.6	<1	3.53	0.35	11/10/2016 12/10/2016
12/10/2016	0.77	<1.0	6.9	1.2	<1	2.45	0.17	19/10/2016 20/10/2016
26/10/2016	1.61	<1.0	7.1	1.0	<1	2.64	0.23	2/11/2016 3/11/2016
9/11/2016	0.9	1.6	7.1	8.0	1	3.27	0.44	16/11/2016 17/11/2016
23/11/2016	2.63	<1.0	7.2	1.4	<1	4.86	0.33	5/12/2016 6/12/2016
7/12/2016	0.89	2.0	6.8	12	<1	9.44	0.3	14/12/2016 15/12/2016
21/12/2016	0.91	3.0	6.8	11.40	6	6.05	0.63	10/01/2017 11/01/2017
4/01/2017	2.37	<1.0	7.0	2.0	3	3.76	0.37	18/01/2017 19/01/2017
18/01/2017	0.83	<1.0	6.9	1.2	<1	10.31	0.41	25/01/2017 26/01/2017
1/02/2017	0.99	1.0	7.0	3.0	5	7.75	0.95	8/02/2017 9/02/2017
15/02/2017	0.67	<1.0	6.8	1.4	3	7.32	0.42	22/02/2017 23/02/2017
1/03/2017	1.12	2.2	6.8	6.2	35	7.91	0.33	8/03/2017 9/03/2017
15/03/2017	1.38	2.0	6.9	6.2	4	5.2	0.34	23/03/2017 27/03/2017
29/03/2017	0.68	1.2	7.0	2.4	2	3.75	0.21	6/04/2017 4/05/2017
12/04/2017	0.62	1.0	6.9	2.0	5	5.25	0.15	26/04/2017 4/05/2017

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
26/04/2017	2.7	2.0	6.9	3.0	38	4.69	0.22	3/05/2017 4/05/2017
10/05/2017	1.19	1.6	6.9	2.6	86	6.13	0.21	23/05/2017 25/05/2017
24/05/2017	0.8	2.8	6.9	5.4	96	4.53	0.26	30/05/2017 31/05/2017
7/06/2017	1.47	2.1	6.8	2.8	16	8.24	0.26	15/06/2017 19/06/2017
21/06/2017	0.76	<1.0	6.8	1.0	2	4.06	0.16	29/06/2017 3/07/2017
5/07/2017	1.16	2.4	6.9	4.6	8	5.99	0.22	18/07/2017 19/07/2017
19/07/2017	1.11	2.8	6.7	6.8	2	7.41	0.26	1/08/2017 2/08/2017
2/08/2017	1.32	2.4	6.7	5.7	4	7.51	0.27	10/08/2017 14/08/2017
16/08/2017	1.8	2.0	6.8	2.6	54	3.39	0.23	29/08/2017 30/08/2017
30/08/2017	2.43	3.6	6.8	4.0	56	3.51	0.32	7/09/2017 11/09/2017
13/09/2017	2.33	1.0	6.7	2.8	36	3.76	0.27	21/09/2017 12/10/2017
27/09/2017	2.43	2.4	6.9	6.4	<1	3.66	0.33	5/10/2017 12/10/2017
11/10/2017	1.37	<1.0	6.8	<1.0	1	2.44	0.14	25/10/2017 26/10/2017
25/10/2017	1	1.2	6.8	6.8	<1	2.78	0.24	2/11/2017 6/11/2017
8/11/2017	1.55	2.1	6.8	5.2	3	2.89	0.25	16/11/2017 13/12/2017
22/11/2017	1.58	2.2	7.1	6.8	1	3.89	0.25	30/11/2017 13/12/2017
6/12/2017	1.63	1.6	7.0	3.6	1	3.54	0.21	14/12/2017 18/12/2017
20/12/2017	1.11	2.4	7.2	3.2	62	3.35	0.22	28/12/2017 1/01/2018
3/01/2018	2.66	2.2	7.2	4.2	8	4.42	0.25	16/01/2018 17/01/2018
17/01/2018	1.5	1.6	6.9	4.4	3	15.92	0.2	25/01/2018 29/01/2018
31/01/2018	4.6	1.8	7.1	5.2	5	8.53	0.29	8/02/2018 12/02/2018
14/02/2018	1.27	1.3	6.9	4.8	15	7.64	0.22	22/02/2018 26/02/2018
28/02/2018	8.03	2.6	7.0	12	1	9.79	0.43	6/03/2018 7/03/2018
14/03/2018	1.89	1.4	6.9	3.6	2	4.76	0.13	22/03/2018 26/03/2018
28/03/2018	0.62	1.4	7.1	1.0	2	3.32	0.13	5/04/2018 9/04/2018
11/04/2018	0.99	1.4	7.0	1.8	7	2.78	0.18	18/04/2018 19/04/2018
26/04/2018	1.44	1.6	7.1	2.6	<1	2.55	0.19	8/05/2018 9/05/2018

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
9/05/2018	1.69	1.0	7.2	2.2	14	3.14	0.23	16/05/2018 17/05/2018
23/05/2018	1.56	1.4	6.9	3.2	7	7	0.2	29/05/2018 30/05/2018
6/06/2018	1.12	2.8	7.0	7.8	<1	4.57	0.3	14/06/2018 18/06/2018
20/06/2018	1.63	1.4	7.0	1.8	2	2.99	0.16	28/06/2018 5/07/2018
4/07/2018	1.25	2.0	6.9	2.8	<1	5.44	0.18	12/07/2018 16/07/2018
18/07/2018	1.35	1.4	7.1	1.4	5	2.99	0.22	26/07/2018 30/07/2018
1/08/2018	1.55	1.8	7.0	1.6	6	2.54	0.19	14/08/2018 15/08/2018
15/08/2018	1.35	2.1	7.0	2	2	2.36	0.18	28/08/2018 29/08/2018
29/08/2018	2.06	2.0	7.0	2	2	2.97	0.23	11/09/2018 12/09/2018
12/09/2018	1.91	1.2	6.9	1.6	2	2.9	0.17	25/09/2018 26/09/2018
26/09/2018	2.61	2.0	7.0	<1.0	7	3.51	0.20	4/10/2018 8/10/2018
10/10/2018	1.54	2.4	7.2	1.2	16	4.25	0.65	18/10/2018 22/10/2018
24/10/2018	0.84	2.6	7.1	7.8	3	2.21	1.17	8/11/2018 12/11/2018
7/11/2018	0.97	3.2	6.7	4.4	624	5.08	0.39	15/11/2018 19/11/2018
21/11/2018	1.09	1.2	6.6	1.4	1	3.79	0.17	9/01/2019 10/01/2019
5/12/2018	1.46	1.0	6.9	2.0	<1	2.59	0.19	19/12/2018 20/12/2018
19/12/2018	1.74	3.4	6.8	3.4	9	2.81	0.24	31/12/2018 1/01/2019
2/01/2019	2.84	2.2	7.2	1.8	<1	3.97	0.35	15/01/2019 16/01/2019
16/01/2019	2.15	2.0	7.2	2.4	13	3.17	0.43	24/01/2019 28/01/2019
30/01/2019	2.58	3.8	7.06	3	12	3.77	0.47	5/02/2019 6/02/2019
13/02/2019	1.99	2.6	7.1	3.6	84	3.01	0.4	21/02/2019 25/02/2019
27/02/2019	2.36	1.0	7.0	3	1	9.12	0.33	7/03/2019 11/03/2019
13/03/2019	0.93	1.8	6.9	3.4	22	3.45	0.45	19/03/2019 20/03/2019
27/03/2019	1.53	2.0	7.0	1.6	9	2.47	0.33	2/04/2019 3/04/2019
10/04/2019	2.18	2.8	6.9	2.6	12	3.98	0.36	23/04/2019 24/04/2019
24/04/2019	2.02	2.0	7.1	5.4	2	3.4	0.46	2/05/2019 6/05/2019
8/05/2019	2.48	2.2	7.0	4.2	2	3.68	0.35	15/05/2019 16/05/2019

WWTP Effluent Monitoring

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
22/05/2019	1.96	2.2	6.9	2.6	1	3.94	0.26	30/05/2019 3/06/2019
5/06/2019	1.30	1.6	6.8	3.0	<1	11.4	0.22	12/06/2019 13/06/2019
19/06/2019	2.30	2.4	7.1	5.1	8	4.57	0.26	25/06/2019 26/06/2019
3/07/2019	1.49	3.2	7.2	6.0	8	2.86	0.23	11/07/2019 15/07/2019
17/07/2019	2.29	4.6	7.0	5.0	2	3.40	0.31	25/07/2019 29/07/2019
31/07/2019	2.84	4.6	7.0	5.2	43	4.06	0.35	6/08/2019 7/08/2019
14/08/2019	3.60	6.0	7.1	5.8	60	4.72	0.45	20/08/2019 21/08/2019
28/08/2019	2.66	2.6	6.9	2.2	13	3.73	0.28	3/09/2019 4/09/2019
11/09/2019	3.43	2.0	7.1	2.8	78	4.57	0.33	18/09/2019 19/09/2019
25/09/2019	2.46	1.2	7.0	<1.0	41	4.73	0.22	1/10/2019 2/10/2019
9/10/2019	1.49	1.0	6.7	1.8	380	2.51	0.15	15/10/2019 16/10/2019
23/10/2019	2.24	1.2	6.9	3.0	<1	4.26	0.18	29/10/2019 30/10/2019
6/11/2019	1.42	1.8	6.8	2.8	3	5.58	0.17	12/11/2019 13/11/2019
20/11/2019	1.66	2.6	6.9	3.0	9	6.46	0.16	26/11/2019 27/11/2019
4/12/2019	1.94	<1.0	6.8	3.0	4	3.33	0.15	10/12/2019 11/12/2019
18/12/2019	4.57	3.8	7.0	3.6	2	5.65	0.22	23/12/2019 24/12/2019
2/01/2020	4.34	2.2	6.8	2.4	5	5.43	0.15	13/01/2020 11/02/2020
15/01/2020	5.68	3.0	6.9	4.2	1	6.78	0.36	28/01/2020 11/02/2020
29/01/2020	1.52	1.0	7.1	3.6	25	5.94	0.21	4/02/2020 11/02/2020
12/02/2020	1.80	4.0	6.8	6.6	11	9.06	0.28	25/02/2020 26/02/2020
26/02/2020	2.66	4.2	6.7	8.2	1	13.3	0.32	5/03/2020 9/03/2020
11/03/2020	1.47	2.8	6.9	6.3	4	3.41	0.33	25/03/2020 26/03/2020
25/03/2020	2.15	4.6	6.8	9.8	5	3.78	0.42	7/04/2020 8/04/2020
8/04/2020	2.50	1.8	6.8	3.8	6	6.33	0.21	21/04/2020 22/04/2020
22/04/2020	14.0	5.4	7.2	6.0	23	20.4	0.52	2/05/2020 4/05/2020
6/05/2020	3.02	1.0	7.0	3.5	4	11.7	0.25	13/05/2020 14/05/2020
20/05/2020	2.36	<1.0	7.3	2.2	4	5.49	0.20	28/05/2020 1/06/2020

WWTP Effluent Monitoring

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
3/06/2020	1.95	<1.0	7.1	2.4	1	3.53	0.19	10/06/2020 11/06/2020
17/06/2020	3.07	3.2	7.0	3.0	4	4.04	0.26	30/06/2020 1/07/2020
1/07/2020	2.35	2.8	7.0	4.0	4	4.70	0.25	9/07/2020 13/07/2020
15/07/2020	2.79	3.0	6.9	3.4	8	3.76	0.20	23/07/2020 27/07/2020
29/07/2020	1.70	3.0	6.9	5.2	64	2.53	0.20	11/08/2020 12/08/2020
12/08/2020	2.64	4.0	7.0	3.6	72	4.90	0.35	17/08/2020 18/08/2020
26/08/2020	2.07	3.2	6.9	6.0	31	4.18	0.26	1/09/2020 2/09/2020
9/09/2020	2.55	2.8	6.9	4.0	5	3.80	0.23	15/09/2020 16/09/2020
23/09/2020	1.95	2.6	7.2	4.4	28	3.22	0.25	30/09/2020 1/10/2020
7/10/2020	1.67	1.8	7.1	3.4	16	2.82	0.20	20/10/2020 21/10/2020
21/10/2020	2.45	2.8	7.0	4.0	23	3.79	0.27	27/10/2020 28/10/2020
4/11/2020	3.58	3.2	7.1	3.4	5	4.54	0.23	17/11/2020 18/11/2020
18/11/2020	2.48	2.2	6.9	1.6	2	3.39	0.27	26/11/2020 30/11/2020
2/12/2020	2.26	1.4	6.8	3.2	4	3.26	0.21	10/12/2020 14/12/2020
16/12/2020	5.40	6.9	7.1	4.6	8	8.52	0.24	22/12/2020 23/12/2020
30/12/2020	3.26	2.2	7.2	3.6	56	4.37	0.27	5/01/2021 6/01/2021
13/01/2021	2.63	3.8	7.1	3.8	1	3.86	0.27	21/01/2021 25/01/2021
27/01/2021	1.94	2.0	7.0	3.4	4	2.76	0.25	9/02/2021 10/02/2021
10/02/2021	2.82	1.2	7.0	4.6	7	3.92	0.31	15/02/2021 16/02/2021
24/02/2021	2.16	4.0	7.1	5.6	89	3.06	0.35	2/03/2021 3/03/2021
10/03/2021	2.01	1.2	7.0	6.2	27	3.08	0.38	17/03/2021 18/03/2021
24/03/2021	0.85	3.4	7.0	5.6	<1	2.70	0.26	6/04/2021 7/04/2021
7/04/2021	1.48	8.0	7.0	7.6	1	2.74	0.36	21/04/2021 22/04/2021
21/04/2021	3.46	6.4	7.4	6.0	112	4.28	0.38	27/04/2021 28/04/2021
5/05/2021	2.87	4.0	7.0	3.6	92	4.12	0.37	14/05/2021 17/05/2021
19/05/2021	3.21	4.8	7.0	5.2	58	4.92	0.33	26/05/2021 27/05/2021
2/06/2021	2.42	2.2	6.8	4.2	28	13.0	0.22	10/06/2021 14/06/2021

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31/03/2012 to 18/11/2024

Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	Received/ Published
Limits* Date	5 / 10 (mg/L)	15 / 35 (mg/L)	6.5-8.5 (pH units)	20 / 40 (mg/L)	200 / 600 (cfu/100ml)	15 / 25 (mg/L)	1 / 3 (mg/L)	Received/ Published
16/06/2021	2.78	1.2	6.8	1.8	55	5.76	0.22	22/06/2021 23/06/2021
30/06/2021	2.60	1.0	7.0	3.0	<1	3.55	0.18	8/07/2021 12/07/2021
14/07/2021	3.79	3.0	7.0	3.0	57	4.69	0.31	27/07/2021 28/07/2021
28/07/2021	3.06	2.6	7.0	2.6	33	4.24	0.27	6/08/2021 9/08/2021
11/08/2021	2.59	<1.0	6.8	3.2	96	3.86	0.22	18/08/2021 19/08/2021
25/08/2021	2.92	2.7	6.8	2.2	6	4.49	0.21	31/08/2021 1/09/2021
8/09/2021	2.82	2.1	6.8	2.8	4	16.5	0.12	16/09/2021 20/09/2021
22/09/2021	3.67	2.7	6.6	1.8	<1	4.53	0.17	5/10/2021 6/10/2021
6/10/2021	9.13	3.0	7.1	5.0	380	9.94	0.29	14/10/2021 18/10/2021
20/10/2021	2.49	2.1	7.1	3.0	2	4.33	0.18	3/11/2021 4/11/2021
3/11/2021	4.97	7.5	7.1	4.8	110	5.82	0.43	16/11/2021 17/11/2021
17/11/2021	4.29	2.7	7.0	2.8	12	5.43	0.22	23/11/2021 24/11/2021
1/12/2021	4.22	3.9	7.1	9.2	198	6.26	0.34	14/12/2021 15/12/2021
15/12/2021	2.28	1.8	7.1	2.2	31	3.37	0.26	23/12/2021 27/12/2021
29/12/2021	6.05	3.0	7.0	4.4	98	7.37	0.28	4/01/2022 5/01/2022
12/01/2022	3.02	2.4	7.2	3.8	18	3.89	0.29	19/01/2022 20/01/2022
25/01/2022	2.60	2.7	7.0	3.8	108	3.52	0.28	1/02/2022 2/02/2022
9/02/2022	2.75	1.5	7.1	4.2	87	3.70	0.34	16/02/2022 17/02/2022
23/02/2022	1.65	1.8	7.0	1.6	14	2.25	0.27	9/03/2022 10/03/2022
9/03/2022	13.9	14	7.1	14	90000	15.8	0.83	16/03/2022 17/03/2022
23/03/2022	1.38	1.2	7.4	2.6	2	8.80	0.19	29/03/2022 30/03/2022
6/04/2022	1.36	2.4	7.0	27	23	3.11	0.35	12/04/2022 13/04/2022
20/04/2022	1.25	<1.0	7.2	2.4	84	7.83	0.13	3/05/2022 4/05/2022
4/05/2022	1.45	<1.0	6.9	<1	9	16.7	0.13	13/05/2022 16/05/2022
18/05/2022	1.16	1.8	6.9	3.4	410	2.01	0.17	25/05/2022 1/09/2022
1/06/2022	1.86	1.2	7.2	3.7	74	4.03	0.24	9/06/2022 1/09/2022
15/06/2022	1.37	<1.0	7.0	2.2	82	11.4	0.23	28/06/2022 1/09/2022

WWTP Effluent Monitoring

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
29/06/2022	1.52	<1.0	6.8	4.8	31	11.9	0.21	19/07/2022 1/09/2022
13/07/2022	2.04	5.4	7.4	5.8	125000	3.23	0.31	20/07/2022 1/09/2022
27/07/2022	1.70	3.0	7.2	4.0	28	3.29	0.32	2/08/2022 1/09/2022
10/08/2022	1.81	2.7	7.2	4.7	44	3.12	0.69	24/08/2022 1/09/2022
24/08/2022	2.10	6.6	7.1	4.8	80	3.26	0.57	1/09/2022 5/09/2022
7/09/2022	3.02	7.5	7.2	11	950	4.54	0.67	19/09/2022 20/09/2022
21/09/2022	3.22	7.8	7.2	6.0		4.66	0.63	29/09/2022 3/10/2022
5/10/2022	1.47	<1.0	7.0	6.0	<1	2.92	0.42	18/10/2022 19/10/2022
20/10/2022	0.46	1.2	7.0	2.4	<1	3.55	0.30	25/10/2022 26/10/2022
2/11/2022	1.08	<1.0	7.1	3.8	280	2.28	0.33	15/11/2022 16/11/2022
16/11/2022	1.52	<1.0	7.0	<1	28	3.09	0.29	23/11/2022 24/11/2022
30/11/2022	1.57	1.2	7.2	1.2	50	2.83	0.30	8/12/2022 12/12/2022
14/12/2022	1.29	1.5	7.2	2.0	61	4.14	0.48	28/12/2022 29/12/2022
28/12/2022	2.05	<1.0	7.1	3.0	840	3.48	0.54	13/01/2023 16/01/2023
11/01/2023	1.52	<1.0	7.1	2.0	51	2.60	0.48	23/01/2023 24/01/2023
25/01/2023	1.70	<1.0	7.2	<1	40	2.78	0.43	7/02/2023 8/02/2023
8/02/2023	1.14	<1.0	7.0	1	2	2.09	0.34	21/02/2023 22/02/2023
22/02/2023	26.6	7.5	7.4	10	120	27.8	0.41	1/03/2023 2/03/2023
1/03/2023	5.12	1.5	7.2	5.3	16	7.75	0.40	14/03/2023 15/03/2023
8/03/2023	1.92	<1.0	7.2	1.8	28	3.41	0.60	14/03/2023 15/03/2023
22/03/2023	1.25	1.2	6.9	1	9	2.23	0.31	4/04/2023 5/04/2023
5/04/2023	1.64	<1.0	6.9	1.6	12	2.78	0.30	12/04/2023 13/04/2023
19/04/2023	2.43	1.5	6.9	<1	21	3.43	0.40	26/04/2023 1/05/2023
3/05/2023	2.60	4.5	7.0	2.4	18	3.58	0.35	10/05/2023 11/05/2023
17/05/2023	1.85	1.5	6.9	3.2	390	4.04	0.36	24/05/2023 25/05/2023
18/05/2023					188			19/05/2023 22/05/2023
31/05/2023	1.99	2.1	7.0	1.6	<1	8.73	0.37	8/06/2023 12/06/2023

WWTP Effluent Monitoring

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Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	Published
14/06/2023	2.70	<1.0	7.0	<1	4	6.09	0.30	22/06/2023 26/06/2023
28/06/2023	2.44	1.2	7.0	<1	3	5.15	0.30	4/07/2023 5/07/2023
12/07/2023	2.62	<1.0	7.0	<1	16	3.39	0.34	21/07/2023 24/07/2023
26/07/2023	2.40	1.5	6.9	2.8	14	3.48	0.26	1/08/2023 2/08/2023
9/08/2023	2.44	<1.0	7.0	1.2	40	3.60	0.28	16/08/2023 17/08/2023
23/08/2023	1.80	<1.0	7.0	<1	<10	2.69	0.36	5/09/2023 6/09/2023
6/09/2023	1.99	1.8	7.0	<1	8	3.04	0.53	19/09/2023 20/09/2023
20/09/2023	2.59	<1.0	7.1	<1	8	3.55	0.57	27/09/2023 28/09/2023
4/10/2023	3.10	1.8	7.1	2.2	<10	4.24	1.36	10/10/2023 11/10/2023
18/10/2023	3.02	<1.0	7.1	3.0	20	4.05	0.91	26/10/2023 30/10/2023
2/11/2023	2.47	<1.0	6.9	2.0	<1	3.61	0.59	13/11/2023 14/11/2023
15/11/2023	3.43	<1.0	6.9	2	30	4.26	0.37	21/11/2023 22/11/2023
29/11/2023	3.15	<1.0	6.8	4	<10	4.14	0.31	6/12/2023 7/12/2023
13/12/2023	2.63	1.5	6.8	2	<10	3.52	0.37	20/12/2023 21/12/2023
27/12/2023	4.31	3.6	6.8	6	80	5.41	0.43	9/01/2024 10/01/2024
10/01/2024	3.15	2.7	6.8	4	26	3.98	0.35	17/01/2024 18/01/2024
24/01/2024	1.86	<1.0	6.9	3	64	2.53	0.39	30/01/2024 31/01/2024
7/02/2024	2.13	2.7	6.7	1	2	2.72	0.37	16/02/2024 19/02/2024
21/02/2024	1.79	1.5	6.9	1	32	2.48	0.32	29/02/2024 4/03/2024
6/03/2024	1.85	1.5	6.8	2	81	3.82	0.38	13/03/2024 14/03/2024
21/03/2024	2.68	1.8	6.7	12	9	17.5	0.59	2/04/2024 3/04/2024
3/04/2024	1.98	<1.0	6.8	3	17	3.61	0.27	16/04/2024 17/04/2024
17/04/2024	1.82	1.2	6.8	2	25	3.69	0.27	24/04/2024 25/04/2024
1/05/2024	2.54	9.0	7.0	2	24	3.33	0.28	7/05/2024 8/05/2024
15/05/2024	1.99	1.8	7.0	3	4	3.88	0.37	21/05/2024 22/05/2024
29/05/2024	2.62	3.9	7.0	5	6	7.44	0.32	4/06/2024 5/06/2024
12/06/2024	2.88	2.1	6.9	2	9	6.37	0.32	19/06/2024 20/06/2024

WWTP Effluent Monitoring

31/03/2012 to 18/11/2024

Pollutant	Ammonia	BOD5	pH	Suspended Solids	Thermotolerant Coliforms	Total Nitrogen	Total Phosphorus	
Limits*	5 / 10	15 / 35	6.5-8.5	20 / 40	200 / 600	15 / 25	1 / 3	Received/ Published
Date	(mg/L)	(mg/L)	(pH units)	(mg/L)	(cfu/100ml)	(mg/L)	(mg/L)	
26/06/2024	2.58	1.2	6.9	1.6	11	6.48	0.24	2/07/2024 3/07/2024
10/07/2024	2.09	<1.0	6.9	1.4	2720	4.20	0.24	22/07/2024 23/07/2024
24/07/2024	3.15	2.1	7.0	3.0	2	6.69	0.29	30/07/2024 31/07/2024
7/08/2024	2.62	3.3	7.1	3.8	37	3.70	0.35	20/08/2024 21/08/2024
21/08/2024	1.56	2.4	7.0	2.4	5	2.56	0.24	28/08/2024 29/08/2024
4/09/2024	2.79	3.0	7.0	1.8	23	3.82	0.33	17/09/2024 9/10/2024
18/09/2024	3.23	6.3	6.9	4.4	10	4.50	0.31	25/09/2024 9/10/2024
2/10/2024	1.64	2.1	7.0	4.2	19	3.16	0.27	10/10/2024 14/10/2024
16/10/2024	1.73	1.2	7.0	1.6	21	3.20	0.21	28/10/2024 29/10/2024
30/10/2024	1.81	1.2	7.1	<1	5	2.95	0.19	5/11/2024 6/11/2024
13/11/2024					8			15/11/2024 18/11/2024

*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.

The 90% limit means at least 90% of readings in the twelve month licence period should be below this value, i.e up to 10% of readings can exceed this value and the licence may still be complied with (provided the maximum limit has not also been exceeded). When looking at less than twelve months of data it is possible that more than 10% of readings may exceed the 90% limit while not indicating a failure to comply with licence limits.