

MANILLA WASTEWATER TREATMENT PLANT - CURRENT YEAR

LICENCE PERIOD: 1st Feb 2021 - 31st Jan 2022

POINT 1 NOTE: Monitoring Frequency - Quarterly

Sample Date	TSS	BOD	Calcium	Conductivity	Faecal Coliforms	Magnesium	Nitrite	Nitrate	Ammonia	Oil and Grease	OC/OP	pH	Total Phosphorus	Potassium	Sodium	SAR	TKN
EPA Limit	30	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23/02/2021	11	5	19	720	13	16	<0.01	0.04	0.07	<5		9.3	1.24	26	112	4.6	1.8
19/05/2021	7	3	19	630	5	12	0.09	0.18	1.60	<5		8.4	1.36	20	97	4.3	3.6
18/08/2021	18	28	26	730	4	18	<0.1	0.60	10.10	7	<PQL	8.0	2.01	19	78	2.9	11.2

POINT 2 NOTE: Monitoring Frequency - Yearly

Sample Date	CEC	Chloride	Conductivity	Ex. Calcium	Ex. Magnesium	Ex. Potassium	Ex. Sodium	Extractable P	Moisture	Nitrate	Ammonia	Total N	pH	Total Phos.	PSC	SHC	SAR
EPA Limit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19/05/2021	10.5	<50	39	5.5	2.8	2.0	0.3	17.1	17.0	3.9	<20	1260	7.7	659	542	321	2.28

POINT 3,4,5,6 NOTE: Monitoring Frequency - Quarterly

Sample Date	Conductivity	Nitrate	Ammonia	Total N	Ortho.	pH	Total Pho.	SWL
EPA Limit	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23/02/2021	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19/05/2021	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18/08/2021	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22/11/2021	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY

POINT 7 NOTE: Monitoring Frequency - Each Overflow Event

Sample Date	BOD	Total N	Oil and Grease	Total Phos.	TSS
EPA Limit	N/A	N/A	N/A	N/A	N/A
4/05/2021	<2	3.2	<5	1.34	6
12/05/2021	4	3.8	<5	1.34	5
19/05/2021	3	3.9	<5	1.23	5
25/05/2021	4	3.6	9	1.17	4
31/05/2021	3	4.8	<5	1.31	14
7/06/2021	3	4.5	<5	1.33	5
16/06/2021	3	5.1	<5	1.53	7
21/06/2021	<2	6.1	<5	1.54	5
29/06/2021	4	6.5	7	1.81	9
6/07/2021	4	7.1	<5	1.67	12
13/07/2021	3	8.7	<5	1.78	10
20/07/2021	4	10.0	<5	2.11	4
27/07/2021	5	10.6	<5	2.18	18
3/08/2021	6	11.2	<5	1.99	11
10/08/2021	8	11.1	5	1.79	6
18/08/2021	6	11.7	<5	1.91	10
24/08/2021	8	12.4	6	2.01	10
31/08/2021	29	12.7	<5	2.04	7
7/09/2021	11	12.0	<5	2.20	9
14/09/2021	13	11.4	<5	2.27	6
21/09/2021	14	11.4	15	2.26	10
28/09/2021	7	10.4	<5	2.35	9
6/10/2021	7	9.2	<5	2.39	6
12/10/2021	7	8.9	<5	2.49	6
19/10/2021	20	9.5	<5	2.41	4
26/10/2021	15	8.8	<5	2.51	7
2/11/2021	15	6.6	<5	2.49	6
9/11/2021	5	6.6	<5	2.30	5
16/11/2021	2	5.4	<5	2.25	12