

MANILLA WASTEWATER TREATMENT PLANT - CURRENT YEAR

LICENCE PERIOD: 1st Feb 2022 - 31st Jan 2023

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
Frequency	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	Quarterly	6-monthly	Yearly	Quarterly	Quarterly	Quarterly	Quarterly
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
23/02/2022	16	33	30	0.72	≈13	16	0.04	<0.01	0.1	<5	2	9.3	1.24	26	112
12/05/2022	10	8	30	0.63	≈5	12	0.2	0.1	1.6	<5	NA	8.4	1.36	20	97
24/08/2022	7	24	26	0.73	1	18	0.2	1.3	3.1	<5	<5	8.0	2.43	19	78
15/11/2022	19	27	53	0.81	20	28	0.04	<0.01	8.25	<5	NA	7.8	8.94	17	76

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
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
	13.2	<50	66	7.8	4.0	1.3	0.1	24.7	16.4	6.2	<20	1270	7.3	559	887

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
23/02/2022	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16/05/2022	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24/08/2022	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22/11/2022	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
20/04/2022	5	2.9	<5	0.75	21
27/04/2022	5	3.3	<5	0.71	24
2/05/2022	6	4.0	<5	0.87	31
12/05/2022	7	3.2	<5	0.87	16
16/05/2022	2	3.8	<5	0.89	9
25/05/2022	2	4.5	<5	1.29	11
30/05/2022	4	3.5	<5	1.41	13
7/06/2022	2	4.9	8	1.43	8
15/06/2022	3	5.1	13	1.51	19
20/06/2022	2	5	<5	2	4
28/06/2022	3	6.6	7	1.8	17
5/07/2022	5	6.1	<5	1.73	7
12/07/2022	4	6.2	<5	1.87	9
18/07/2022	4	5.7	11	1.8	10
25/07/2022	4	6.6	<5	2.06	11
8/08/2022	<2	7	<5	2.09	6
15/08/2022	6	7.7	<5	2.48	15
24/08/2022	6	6.8	<5	2.37	8
30/08/2022	7	6.4	<5	1.92	8
5/09/2022	3	6.7	<5	2.11	6
12/09/2022	4	7.6	<5	2.42	3
19/09/2022	12	8.4	<5	2.52	4
27/09/2022	9	8.3	<5	2.77	3
5/10/2022	6	7	<5	2.67	3
11/10/2022	6	7.8	9	2.87	<2
17/10/2022	6	7.5	<5	3.18	2
25/10/2022	2	9.1	<5	4.76	5
2/11/2022	4	8.5	<5	3.54	5
8/11/2022	10	7.8	<5	2.28	<2
15/11/2022	5	7.8	<5	3.41	4

22/11/2022	9	6.7	<5	3.14	3
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SAR	TKN
Quarterly	Quarterly
N/A	N/A
4.6	2.6
4.3	2.5
2.9	11.2
2.1	8.6

SHC	SAR
N/A	N/A
431	1.11