MANILLA WASTEWATER TREATMENT PLANT - CURRENT YEAR

LICENCE PERIOD: 1st Feb 2023 - 31st Jan 2024

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
28.02.2023	20	3	26	0.78	~16	18	<0.10	<0.10	1.4	<5	NS	8.8	2.09	21	108
17.05.2023	4	3	30	0.79	~4	22	0.2	0.5	1.6	5	NS	8.1	2.43	19	95
23.08.2023	5	7	32	0.94	<10	24	<0.10	0.6	8.5	22	<0.5	8.0	3.35	18	93

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
Frequency	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly	3-Yearly	Yearly	Yearly	3-Yearly	Yearly	3-Yearly	3-Yearly
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
17.05.2023	0.4	10	45	<0.25	<0.2	0.4	<0.2	2.0	9.3	2.3	<20	840	7.4	406	<250

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
28.02.2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
17.05.2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23.08.2023	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
30.03.2023	3	5.1	<5	2.05	18
03.04.2023	9	11.8	<5	2.32	39
12.04.2023	9	4.9	<5	2.12	12
17.04.2023	5	7.2	<5	1.77	28
26.04.2023	3	5.3	<5	1.77	9
03.05.2023	5	4.7	<5	2.32	12
09.05.2023	5	4.5	5	2.20	8
22.05.2023	2	4.7	<5	2.46	6
30.05.2023	11	4.9	10	2.40	6
06.06.2023	5	5	<5	2	10
14.06.2023	5	6.1	<5	2.52	8
20.06.2023	4	5.8	<5	2.43	7
27.06.2023	3	6.7	<5	2.68	6
04.07.2023	7	7.5	<5	2.2	5
11.07.2023	5	9	<5	2.8	11
17.07.2023	3	9	<5	2.75	8
25.07.2023	3	12	8	3.21	7
01.08.2023	12	10.6	<5	3.26	5

SAR	TKN
Quarterly	Quarterly
N/A	N/A
4.0	3.8
3.2	4.4
3.0	13.1

SHC	SAR
3-Yearly	Yearly
N/A	N/A
270	0.14