

**MANILLA WASTEWATER TREATMENT PLANT - CURRENT YEAR**

LICENCE PERIOD: 1st Feb 2020 - 31st Jan 2021

**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
26/02/2020	296	49	40	850	800	30	1	0.5	2.3	<5	<PQL	9.2	5.45	24	95	2.8	10.7
05/05/2020	44	26	31	910	1200	25	0.5	0.6	15.4	12	<PQL	8.2	5.87	24	97	3.1	20.4
19/08/2020	8	5	28	1010	1	28	0.1	1.3	4.4	10	<PQL	8.1	1.24	24	110	3.5	7.2
04/11/2020	26	6	30	950	5	30	0.24	0.93	2.30	<5	<PQL	8.3	1.35	26	117	3.6	3.7

**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
05/05/2020	9.9	<100	55	5.2	2.8	1.6	0.3	25.9	16.5	4.2	<20	970	7.9	548	1160	322	5.42

**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
27/02/2020	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
05/05/2020	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19/08/2020	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
28/07/2020	8	9.0	<5	1.15	16
4/08/2020	4	7.9	<5	1.10	6
11/08/2020	4	8.3	<5	1.16	6
19/08/2020	12	9.2	6	1.32	23
25/08/2020	2	7.2	<5	1.05	4
1/09/2020	5	7.3	<5	0.87	3
6/01/2021	4	3	7	1	3.00