



Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

Laboratory: Blk 22 Lot 6A, Golden Sun 999 Ind'l Park, Quezon Rd., San Pablo Libutad, San Simon, Pampanga
 Satellite Office: G/F ASCORP Bldg., Mc Arthur Highway, Dolores, City of San Fernando, Pampanga
 Sales: 0942-316-2538 • 0945-798-6962 | (045) 435-2795 Email: echemenvironmental@gmail.com
 Technical: 0917-507-8753 • 0917-164-2944

TEST REPORT

Client: **Manila Water Phillipine Ventures (MWPV)** Test Report No.: **TR-23G-238**
 Address: **3rd Floor, One Joroma Place, Congressional Avenue, Quezon City** Date and Time Received: **04 Jul 2023 @06:15PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **Echem**
 COC Number: **2023-G0040** Report Date: **14 Jul 2023**

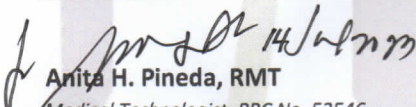
Sample ID: **S23-G04-060W** Sampling Date: **04 Jul 2023**
 Sample Description: **Effluent** Sampling Time: **01:40 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	400	Multiple Tube Fermentation Technique	04 Jul 2023 @6:40 PM	AHP
Ammonia as NH ₃ -N	<0.005	mg/L	4.0	Phenate	12 Jul 2023	JLG
Biochemical Oxygen Demand (BOD ₅)	3	mg/L	50	5-Day BOD Test	05 Jul-10 Jul 2023	KTD
Nitrate as NO ₃ -N	0.88	mg/L	14	Colorimetric, Brucine	05 Jul 2023	KTD
Oil and Grease	1	mg/L	5	Liquid-Liquid, Partition Gravimetric	07 Jul 2023	MCD
pH (on-site)	7.53 @29.5°C	---	6.0-9.5	Electrometric	04 Jul 2023	MGF
Phosphate	1.9	mg/L	4.0	Stannous Chloride	04 Jul 2023	MCD
Surfactants (MBAS)	<0.05	mg/L	15	Anionic Surfactants as MBAS	05 Jul 2023	MCD

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.
 Water Quality Guidelines and General Effluent Standards of 2016, DENR Administrative Order No. 2016-08, Class C Effluent.
 Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class C Effluent.

Certified by:


Anita H. Pineda, RMT
 Medical Technologist, PRC No. 52546


Lovely Grace D. Montoya, RCh
 Chemist, PRC No. 13651

Approved by:


May Ann M. Estavillo, RCh
 QA/QC Manager, PRC No. 8652

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 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2023-G0040** Report Date: **14 Jul 2023**

Sample ID: **S23-G04-061W** Sampling Date: **04 Jul 2023**
 Sample Description: **Influent** Sampling Time: **01:45 PM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	1.6x10 ⁹	MPN/100 mL	---	Multiple Tube Fermentation Technique	04 Jul 2023 @6:45 PM	AHP
Ammonia as NH ₃ -N	11	mg/L	---	Phenate	12 Jul 2023	JLG
Biochemical Oxygen Demand (BOD ₅)	70	mg/L	---	5-Day BOD Test	05 Jul-10 Jul 2023	KTD
Nitrate as NO ₃ -N	<0.10	mg/L	---	Colorimetric, Brucine	05 Jul 2023	KTD
Oil and Grease	10	mg/L	---	Liquid-Liquid, Partition Gravimetric	07 Jul 2023	MCD
pH (on-site)	7.37 @29.4°C	---	---	Electrometric	04 Jul 2023	MGF
Phosphate	4.2	mg/L	---	Stannous Chloride	04 Jul 2023	MCD
Surfactants (MBAS)	1.5	mg/L	---	Anionic Surfactants as MBAS	05 Jul 2023	MCD

Notes & References:

Standard Methods for the Examination of Water and Wastewater, 24th Edition.

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