



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: ecchemenvironmental@gmail.com
Technical: 0917-507-8753 • 0917-164-2944

TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)**

Address: **Level 3, 2nd Phase, BPO Bldg., UP Town Corporate Center, 216 Katipunan Ave., Diliman, Quezon City**

Contact Person: **Ms. Florisza I. Faustino**

COC Number: **2023-D0058**

Test Report No.: **TR-23D-257**

Date and Time Received: **13 Apr 2023 @03:40PM**

Sampled By: **ECHEM**

Report Date: **26 Apr 2023**

Sample ID:	S23-D13-043W			Sampling Date:	13 Apr 2023	
Sample Description:	Effluent			Sampling Time:	11:55 AM	
Sample Matrix:	Wastewater			Sampling Location:	Anvaya Cove, Morong, Bataan	
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	200	Multiple Tube Fermentation Technique	13 Apr 2023 @05:40PM	AHP
Ammonia as NH ₃ -N	<0.005	mg/L	3.0	Phenate	19 Apr 2023	KTD
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	30	5-Day BOD Test	14 Apr-19 Apr 2023	MCD
Nitrate as NO ₃ -N	<0.10	mg/L	20	Colorimetric, Brucine	14 Apr 2023	RRM
Oil and Grease	1	mg/L	5	Liquid-Liquid, Partition Gravimetric	20 Apr 2023	RRM
pH (on-site)	7.94 @27.1°C	---	6.0-9.0	Electrometric	13 Apr 2023	MGF
Phosphate	0.15	mg/L	2.0	Stannous Chloride	14 Apr 2023	TGG
Surfactants (MBAS)	<0.05	mg/L	3.0	Anionic Surfactants as MBAS	14 Apr 2023	KTD
Mixed Liquor Suspended Solids (MLSS)	<2	mg/L	---	Gravimetric, Dried at 103-105°C	18 Apr 2023	TGG

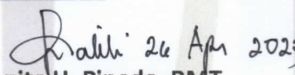
Notes & References:

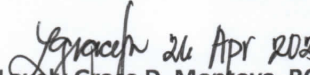
Standard Methods for the Examination of Water and Wastewater, 23rd Edition.

Water Quality Guidelines and General Effluent Standards of 2016, DENR Administrative Order No. 2016-08, Class SB Effluent.

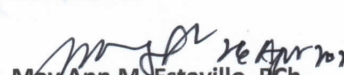
Water Quality Guidelines and General Effluent Standards of 2021, DENR Administrative Order No. 2021-19, Class SB Effluent.

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

Test results written in this report are based on the samples as received by the laboratory. No alteration or modification of this test report shall be binding against Echem unless in writing and signed by a duly authorized representative of the company. This report shall not be reproduced, except in full, without the written permission from the laboratory.

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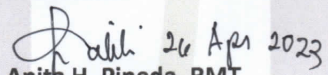
Sample ID: **S23-D13-044W** Sampling Date: **13 Apr 2023**
Sample Description: **Influent** Sampling Time: **12:01 PM**
Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	>1.6x10 ⁷	MPN/100 mL	Multiple Tube Fermentation Technique	13 Apr 2023 @05:45PM	AHP
Ammonia as NH ₃ -N	0.07	mg/L	Phenate	19 Apr 2023	KTD
Biochemical Oxygen Demand (BOD ₅)	133	mg/L	5-Day BOD Test	14 Apr-19 Apr 2023	MCD
Nitrate as NO ₃ -N	<0.10	mg/L	Colorimetric, Brucine	14 Apr 2023	RRM
Oil and Grease	11	mg/L	Liquid-Liquid, Partition Gravimetric	20 Apr 2023	RRM
pH (on-site)	7.48 @28.7°C	---	Electrometric	13 Apr 2023	MGF
Phosphate	3.5	mg/L	Stannous Chloride	14 Apr 2023	TGG
Surfactants (MBAS)	3.7	mg/L	Anionic Surfactants as MBAS	14 Apr 2023	KTD

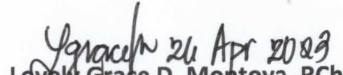
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