



Echem ENVIRONMENTAL TESTING LABORATORY CORPORATION

Laboratory: 10 Quezon Road, San Isidro, San Simon, Pampanga
 Satellite Office: G/F ASCORP Bldg., Mc Arthur Highway, Dolores, City of San Fernando, Pampanga
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 Technical: 0917-164-2927 • 0917-164-2944

DOH Accreditation No.03-002-21-LW-2 Valid until December 31, 2023
 DENR C.R.No. 074/2021 Valid until September 28, 2024

TEST REPORT

Client: **Manila Water Philippine Ventures (MWPV)** Test Report No.: **TR-22J-145**
 Address: **Level 3 2nd Phase, BPO Bldg., UP Town Corporate Center, 0216 Katipunan Ave., Diliman, Quezon City** Date and Time Received: **03 Oct 2022 @06:06PM**
 Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
 COC Number: **2022-J0021** Report Date: **13 Oct 2022**

Sample ID: **S22-J04-043W** Sampling Date: **03 Oct 2022**
 Sample Description: **Effluent** Sampling Time: **11:44 AM**
 Sample Matrix: **Wastewater** Sampling Location: **Anvaya Cove, Morong, Bataan**

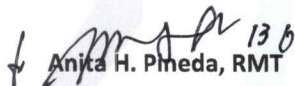
Parameter	Result	Unit	Limit	Method	Date Analyzed	Analyst
Fecal Coliform	<1.8	MPN/100 mL	200	Multiple Tube Fermentation Technique	03 Oct 2022 @06:18PM	AHP
Ammonia as NH ₃ -N	0.04	mg/L	3.0	Phenate	07 Oct 2022	RRM
Biochemical Oxygen Demand (BOD ₅)	<2	mg/L	30	5-Day BOD Test	05 Oct-10 Oct 2022	TGG
Nitrate as NO ₃ -N	2.4	mg/L	20	Colorimetric, Brucine	05 Oct 2022	CSF
Oil and Grease	1	mg/L	5	Liquid-Liquid, Partition Gravimetric	07 Oct 2022	CSF
pH (on-site)	7.64 @27.0°C	---	6.0-9.5	Electrometric	03 Oct 2022	MGF
Phosphate	1.3	mg/L	2.0	Stannous Chloride	04 Oct 2022	KTD
Surfactants (MBAS)	0.07	mg/L	3.0	Anionic Surfactants as MBAS	05 Oct 2022	RRM

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:

Approved by:


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


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


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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Contact Person: **Ms. Florisza I. Faustino** Sampled By: **ECHEM**
COC Number: **2022-J0021** Report Date: **13 Oct 2022**

Sample ID:	S22-J04-044W	Sampling Date:	03 Oct 2022
Sample Description:	Influent	Sampling Time:	11:48 AM
Sample Matrix:	Wastewater	Sampling Location:	Anvaya Cove, Morong, Bataan

Parameter	Result	Unit	Method	Date Analyzed	Analyst
Fecal Coliform	>1.6x10⁷	MPN/100 mL	Multiple Tube Fermentation Technique	03 Oct 2022 @06:23PM	AHP
Ammonia as NH ₃ -N	9.5	mg/L	Phenate	07 Oct 2022	RRM
Biochemical Oxygen Demand (BOD ₅)	35	mg/L	5-Day BOD Test	05 Oct-10 Oct 2022	TGG
Nitrate as NO ₃ -N	<0.10	mg/L	Colorimetric, Brucine	05 Oct 2022	CSF
Oil and Grease	21	mg/L	Liquid-Liquid, Partition Gravimetric	07 Oct 2022	CSF
pH (on-site)	6.87 @ 27.6°C	---	Electrometric	03 Oct 2022	MGF
Phosphate	0.47	mg/L	Stannous Chloride	04 Oct 2022	KTD
Surfactants (MBAS)	0.86	mg/L	Anionic Surfactants as MBAS	05 Oct 2022	RRM

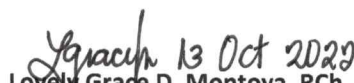
Notes & References:

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

Certified by:


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

Approved by:


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


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