

### Environmental Management Bureau

## Regional Environmental Laboratory Region VIII

Brgy. Baras, Palo, Leyte

## Certificate of Analysis

Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-AMBIENT SECTION

Name/Source:	Coastal Water Assessmen	t e	
Address/Location:	Sogod, Southern Leyte		
Sampled by:	LL Bacalla		
Date Arrived:	Mar 7, 2022 @ 9:00 AM	Date Acknowledged:	Mar 7, 2022 @ 9:07 AM
Date Reported:	Mar 8, 2022 @ 5:33 PM		

Chain of custody no.	Lab sample no.	Time of Collection	Sample type	Sample Information
	2208-244	Mar 7, 2022 @ 06:03 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 01"
	2208-245	Mar 7, 2022 @ 5:47 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 02"
2022-077	2208-246	Mar 7, 2022 @ 5:28 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 03"
	2208-247	Mar 7, 2022 @ 5:08 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 04"
	2208-248	Mar 7, 2022 @ 4:33 PM	Sea Water	water sample placed in 750-mL glass and 500-mL PET bottle labeled "SGD 05"

Environmental conditions during analysis:

Relative humidity: 61.8% Temperature: 21.2°C

CHARACTERISTICS

	Data Assistand		L	ab sample	e no.	
Parameters	Date Analyzed -	244	245	246	247	248
DO, mg/L	8-Mar-22	7.57	7.54	7.56	7.54	7.71
На	8-Mar-22	8.25	8.28	8.29	8.28	8.29
TSS, mg/L	8-Mar-22	7	7	8	4	6
True Color , TCU	8-Mar-22	5	5	5	5	5
NO <sub>3</sub> as N, mg/L	8-Mar-22	0.35	0.21	0.23	0.22	0.23
PO <sub>4</sub> 3 <sup>-</sup> as P, mg/L	8-Mar-22	0.000	0.000	0.000	0.000	0.002

Method used: DO - Electrometric method

pH - Electrometric method

TSS - Gravimetric Method, dried @ 103-105°C

Nitrate (NO3) - Ion chromatography with Chemical Suppression of Eluent Conductivity

Phosphate (PO43") Ascorbic acid method

Method detection limit (MDL):

TSS 2.3 mg/L NO 3" as N, mg/ 0.0156 mg/L

Reference:

Standard Methods for the Examination of Water and Wastewater, 23rd ed., 2017,

AHA, AWWA, WEF

Remarks

1. This certificate of analysis is based on the sample as received by this office.

2. This certificate of analysis shall not be reproduced in full, without written approval from

issuing laboratory.

3. ND: "not detected", < MDL

Analyzed by

SHEREY MAE (UBALAGAO, RCh

Laboratory analyst, Chemistry

Reg. No. 0013722

Certified b

APRILYNA: DAÑAS, RCh

Laboratory manager Reg. No. 0011659

ARIEL B. SEVILLENO, RChT

Laboratory analyst, Chemistry

Reg. No. 0003055

MANUEL J. SACEDA JR

OIC - Chief EMED

Noted by:

REYNAMOO'B. BARRA OIC - Regional Director

CC

Laboratory Sampler

Sampler Records Unit

Laboratory Unit Email embr8lab@yahoo.com



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Analyzed by:

SHEREY MAE U. BALAGAO, RCh

Laboratory analyst, Chemistry Reg. No. 0013722

ARIEL B. SEVILLENO, RChT Laboratory analyst, Chemistry

Reg. No. 0003055

pproved by:

MANUEL J. SACEDA JR. OIC - Chief EMED

Laboratory Unit

APRILYN R DANAS, RCh Laboratory manager

Reg. No. 0011659

Noted by:

REYNALDO B. BARRA OIC - Regional Director

Laboratory Sampler Records Unit

Email: embr8lab@yahoo com

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### Republic of the Philippines Department of Environment and Natural Resources ENVIRONMENTAL MANAGEMENT BUREAU

Regional Office No. VIII DENR 8 Compound, Brgy. 2, Jones Extension, Tacloban City



#### DISPOSITION FORM

Doc. Date: November 30, 2021

Company Name: ENVIRONMENTAL MANAGEMENT BUREAU -

REGION VIII (EASTERN VISAYAS)

: R8-2021-021454 IIS No.

Subject / Title: Letter Request from Lelie Lou Bacalla for EMB Regional Environmental Laboratory services

TO: All Officials/Personnel Concerned:

Please accomplish and route this properly with the corresponding attached communication/documents. The Official or employee in-charge to whom this document is routed shall act promptly and expeditiously without discrimination as prescribed in the SECSIME or within fifteen (15) working days from receipt thereof, failure to do is punishable by LAW under RA 6713 and negligence to Memorandum Circular No. 44 issued by the Office of the President of the Philippines "Directing all Government Agencies and Instrumentalities, including government-owned or controlled corporations to respond to all public requests and concerns within 15 days (15 from the receipt thereof)

For strict compliance.

			ROUTED	
BY (Official Code/ Sender Initial)	DATE (mm/dd/yy)	TO (Official Code/ Receiver Initial)	TIME (AM/PM)	ACTION   REMARKS   STATUS
Ladylle B. Oledan	11/30/2021	Maria Jessica E. Inopia	11:17 AM	For information/guidance/reference.
Maria Jessica E. Inopia	12/31/2021	Reynaldo B. Barra	11:06 AM	For information/guidance/reference.
				Mark Mark
			<u> </u>	
		THE R LANG.		

## Use code for comment/instruction and desired action:

A - For information / guidance / reference

B - For comments / recommendations

C - Pls. take up with me

D - Pls. draft answer memo

E - Pls. appropriatte action I - For initial/signature

F - Pls. immediate investigation

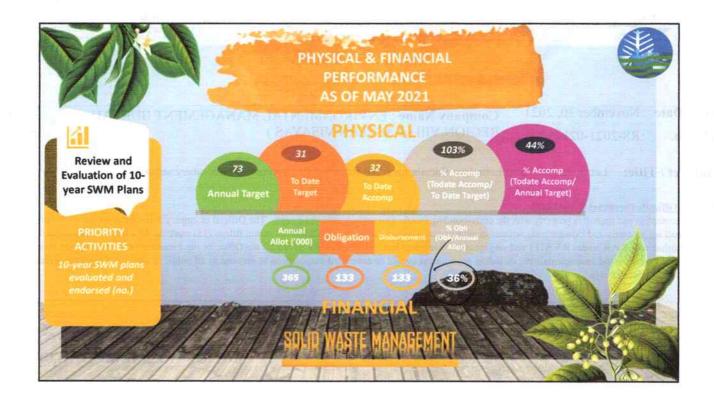
J - For study/evaluation

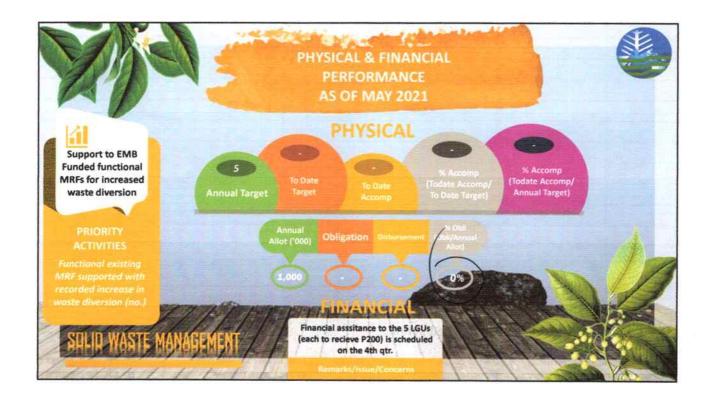
G - Pls. Attach supporting papers K - Pls. release/file

H - Pls. for approval L - Update stat of case

Important Reminder!

Do not tamper. Continue on separate sheet if necessary. Attach this always with the document to be routed as this shall form an integral part of the document process.





# Fw: Letter Request for EMB Regional Environmental Laboratory services

From: EMB R08 - Office of the Regional Director (embr8\_ord@emb.gov.ph)

To: embr8\_records@emb.gov.ph; emb8\_emb8@yahoo.com; emb8\_records@yahoo.com

Date: Monday, 29 November 2021, 05:21 pm GMT+7

## Forwarding

## Office of the Regional Director

Environmental Management Bureau VIII embr8\_ord@emb.gov.ph r8support@emb.gov.ph

From: Lelie Lou Bacalla < ll@bacallaph.com> Sent: Monday, November 29, 2021 1:38 PM

To: EMB R08 - Office of the Regional Director <embr8\_ord@emb.gov.ph>
Subject: Letter Request for EMB Regional Environmental Laboratory services

November 29, 2021

ENGR. REYNALDO B. BARRA

OIC, Regional Director

Environmental Management Bureau Region 8

Jones Ext., DENR Compound, Tacloban City

Dear Sir:

Good day!

I am respectfully sending this e-mail again sir hoping for your consideration and approval.

I am Engr. Lelie Lou Bacalla. I am an instructor at Southern Leyte State University, currently studying my master's degree, Master in Engineering major in Chemical Engineering. I am currently working on my capstone project and I am planning on doing a coastal water quality analysis on Sogod Bay. In connection, to this sir, I would like to humbly ask for your permission to seek the services and be able to send my water samples to the EMB 8 Regional Environment Laboratory for analysis.

My project design requires 10 to 15 samples for each of the following parameters:

1. pH



### Republic of the Philippines Department of Environment and Natural Resources **ENVIRONMENTAL MANAGEMENT BUREAU**

Regional Office VIII DENR-Compound, Brgy 2-Jones Ext., Tacloban City

#### VEHICLE TRIP TICKET

Instruction:

1. To be filled in triplicate by the person requesting use of vehicle. Original copy for the Driver and to the Administrative Service Division/General Services Section upon completion of Travel. Date: Triplicate to Administrative Division for Control. Designation: EACK, MA. CORAZON G. DACUYAN DRIVER ed up how her day the equest To be fill CLINDA LAGUAZAG PASTOKE NIGUTEJO Printed Name АТВЕКТО С. LATOY Signature : MARK ARIEL SELLAVE Plate No.: SGN 182 Driver's Name: Keceived by: Rednested px: burpose: То Репу ЕМВ 8 Регѕоппел WITHIN TACLOBAN CITY DESTINATION: , PALO, ALANG-ALANG, JARO, CA RIGARA, AND BARUGO, LEYTE CO CABALAY AN. DULAG LEYTE sn DIESEL Remarks Quantity (innen) Descubnon nun STOCK NO. Stock Available? Requisition KIZ NO EMB-ROX Office: Responsibility Center Code EMED-SWM Division Fund Cluster: EWB-KO8 Entity Vame: **Recommending Approval:** PERSIGNATION AND ISSUE SLIP £9 xibn∍qqA PASTOR I. MONTEJO ENG.MA.CORAZON G. DACUYAN Date: III TANDUODA, OASIBU OAGI bu Chief Finance & Admin Division Designation: DRIVER To be fil ed up by the driver before and after the trip ALBERTO C. LATOY PASTOR L MONTEJO ENGR. MA. CORAZON G. DACUYAN CLINDA LAGUNZAD Printed Name Signature : TRIP NO DEPARTURE ARRIVAL READING (INITIAL) Received by: ¡sansq pa. Reducated Sollos Districted by: USED To Ferry EMB 8 Personnel burpose: Balance in tank office from stock Add: Pur hase during the tri ltrs TOT/ Itrs Gasoline/Diesel Consumed/L (Driver's Signature over Printed Name) itrs Gasoline/Diesel after trip Itrs Oil used added linuen Remarks Quantity ON Description unit Stock No. Requisition 422919 Sock Available? Its Gear Oil ltrs. RIS No. EMB-RO8 : soffto Responsibility Center Code: pints ayage ltrs. : noisiviQ EWED-2MM Total Distance Ttraveled kms Meter Reading before Trip Meter Reading after Trip Entity Vame: EWB-BO8 kms. REQUISITION AND ISSUE SLIP I HEREBY CERTIFY that the vehicle was used on official business as stated above Date ישונה מאפר printer Designation: CHIEF, FAD SIAT DEIAED Supervising Admin Onser ENCB. MA. CORAZON G. DACUYAN CLINDA LAGUNZAD Printed Name Signature : ED ON YORAGE DY: saneq pa: rednessed px: bmbose: FM-FAD-71 00 To Fetry CEARB 8 Personnel 07 DIESEL Description Remarks Quantity ON Quantity JinU Stock No. anssi Stock Available? Requisition RIS No.

Fund Cluster:

Responsibility Center Code:

EMB-RO8

EMB-RO8

EMED-SWM

Entity Vame:

Office:

Division

2. TSS		
3. Phosphate		
4. Nitrate		
5. Color		
6. Fecal Coliform		
Moreover, I am planning t	to send the samples in 3 batches, hopefully within th	ne year.
I am respectfully asking for is closer to my hometown	or your permission sir since this is the only environment, which is Sogod, Southern Leyte.	nental laboratory that I can tap into t
	and I am hoping for a favorable reply to my request. I	More power and God bless!
		More power and God bless!
		More power and God bless!
		More power and God bless!
Thank you so much, sir a		More power and God bless!
Thank you so much, sir a		More power and God bless!
Thank you so much, sir a		More power and God bless!
Thank you so much, sir at Respectfully,		More power and God bless!
Thank you so much, sir and Respectfully, Lelie Lou Bacalla		More power and God bless!
Thank you so much, sir and Respectfully,  Lelie Lou Bacalla  Requester		More power and God bless!



