



Republic of the Philippines
Department of Environment and Natural Resources
Provincial Environment and Natural Resources Office
MIMAROPA Region

Bgy. Sta. Monica, Puerto Princesa City, Palawan

E-mail: penropalawan@denr.gov.ph

Telfax No. (048) 433-5638 / (048) 433-5638

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 DENR by the Bay Building,
Roxas Boulevard, Bgy 668, Ermita, Manila

FROM : The Provincial Environment and
Natural Resources Officer

SUBJECT : **REPORT ON THE CONDUCTED WATER QUALITY
RESAMPLING AT EL NIDO SEWAGE AND SOLID
WASTE TREATMENT PLANT (ENSSWTP) LOCATED
AT SO. BATBAT, BARANGAY VILLA LIBERTAD,
EL NIDO, PALAWAN**

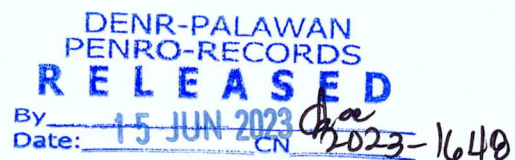
DATE : June 9, 2013

Forwarded is the memorandum dated May 31, 2023 from Mariano P. Lilang, Jr, Development Management Officer IV/OIC, CENRO Taytay regarding the activity as per WFP 2023, on Water Quality Monitoring within Legislated PA.

As per report submitted by the PASu of ENTMRPA Mildred A. Suza, monitoring activity were conducted by the PAMO staff together with EMS Chief Nicaith Trisha Erile of PEMU-Palawan and representative from ENSSWTP Engr. Aerol Carandang. Resampling activity was purposely done to determine if the water discharge from their project is within the water quality guidelines. Furthermore, the activity is not included in the 48 sampling sites being regularly monitored by EMB and PAMO ENTMRPA.

For information and record.


FELIZARDO B. CAYATOC





Republic of the Philippines
Department of Environment and Natural Resources
Region IV- MIMAROPA
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
by the National Highway, Poblacion, Taytay, Palawan 5312
Contact No.: 09265059335 (Globe) / 09121713889 (Smart)
Email address: cenrotaytay@denr.gov.ph

**DENR CENRO
PALAWAN RECORDS
RECEIVED**

May 31, 2023

MEMORANDUM

BY: [Signature]
DATE: 06-06-2023 ON 23-575

FOR : The Provincial Environment and Natural Resources Officer- Palawan

FROM : The Community Environment and Natural Resources Officer

SUBJECT : **ACCOMPLISHMENT REPORT ON ACTIVITY PER WFP
El Nido Managed Resource Protected Area (ENMRPA)**

Activity: Water Quality Monitoring within Legislated NIPAS PAs				
Performance Indicator: Number of PAs monitored on water quality parameters with monthly monitoring of forty-eight (48) stations and quarterly report				
Current submission: Memo report of Protected Area Superintendent/SvEMS Mildred A. Suza dated May 18, 2023 (CN 3422 in the eDATS) submitting the Water Quality re-sampling at El Nido Sewage and Solid Waste Treatment (ENSSWTP) located at Sitio Batbat, Barangay Villa Libertad, El Nido, Palawan.				
Attachment: 1. Memo report of Park Ranger Steven John B. Andao dated May 17, 2023. Accordingly the activity conducted is not included in the forty-eight (48) monitoring stations established by the PEMU-Palawan. 2. Photo documentation 3. Water Quality Monitoring field data form				
Gender & Development (GaD) data	Male = 2	Female = 1	LGBTQ+ = 0	Prefer not to say = 0
Age Grouping	60 and above	18-59	17 and below	TOTAL
	0	3	0	3
Environmental Management System (EMS Compliance)	✓ Compliant to 5S organization techniques (SORT – keep only necessary items, SET IN ORDER – arrange items to promote efficient workflow, SHINE – clean the work area so it is neat and tidy, STANDARDIZE – set standards for a consistently organized workplace and SUSTAIN – maintain and review standard)			

Explanation: The Water Quality Monitoring of forty-eight (48) stations as indicated in the Work and Financial Plan CY 2023 of ENTMRPA is accordingly to be conducted and funded by the EMB. The activity made by the PAMO is outside the forty-eight (48) stations. It is also hereby informed/iterated that ENTMRPA is not yet a legislated PA.

This shall form as part of the **Means of Verification (MoV)** on the activity. Please confirm your receipt hereof. Thank you.

**DENR CENRO
TAYTAY, PALAWAN
RELEASED**

BY: [Signature]
DATE: JUN 01 2023 ON 2068

For and in the absence of the CENRO:

[Signature]
MARIANO P. LILANG, JR.
Development Management Officer IV
Per DAO-2022-09, page 3
JUN 01 2023



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources Office
EL NIDO MANAGED RESOURCE PROTECTED AREA
Calle Real, Bgy. Masagana, El Nido, Palawan 5313
Landline: 048-716-0674

Email: denrpao_elnidopal@yahoo.com / entmrpa@gmail.com

MEMORANDUM

FOR : The Community Environment and Natural Resources Officer
Taytay, Palawan

FROM : The Protected Area Superintendent
El Nido Managed Resource Protected Area

SUBJECT : REPORT ON THE CONDUCTED WATER QUALITY RESAMPLING AT EL NIDO SEWAGE AND SOLID WASTE TREATMENT PLANT (ENSSWTP) LOCATED AT SO. BATBAT, BARANGAY VILLA LIBERTAD, EL NIDO, PALAWAN.

MAY 18 2023

DENR GENRO
TAYTAY, PALAWAN
RECEIVED
BY: *SH*
J-29-13 CN 3422

Respectfully forwarded is the memorandum report dated May 17, 2023 of Park Ranger, Mr. Steven John B. Andao regarding the above subject.

Please be informed the ENMRPA-PAMO staff together with EMS Chief, Taytay Ms. Nicaith Trisha Erile of PEMU-Palawan and representative from ENSSWTP Engr. Aerol Carandang conducted water quality resampling to determine if the water discharge from their project is within the water quality guidelines.

The team collected 1, 000ml of water samples and send to EMB-MIMAROPA Regional Office for Laboratory analysis. They already conducted on-site parameters test using Water Quality Multi Parameter Checker (HORIBA U50G) particularly the pH, Temperature, Dissolved Oxygen, Conductivity, Salinity, Total Dissolved Solids and Turbidity. This office requested the copy furnish of the result for record and future reference as well as the analysis of the water quality results.

This serve as additional **Means of Verification (MOV)** for water quality monitoring as this activity is not included in the forty-eight (48) sampling sites being monitored by EMB and PAMO-ENMRPA regularly.

For information and record.

hzw
MILDRED A. SUZA_y

DENR - PAO
ENTMRPA
El Nido, Palawan
RELEASED
By: *Josephine*
Date: *05-18-23*
C.N.: *0508*



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources
EL NIDO-TAYTAY MANAGED RESOURCE PROTECTED AREA
Calle Real, Barangay Masagana, El Nido, Palawan, 5313
Contact No. LANDLINE (0487160674)
Email: denrpao_elnidopal@yahoo.com / entmrpa@gmail.com

May 17, 2023

MEMORANDUM

FOR : The Protected Area Superintendent
El Nido Managed Resource Protected Area

FROM : Park Ranger
El Nido Managed Resource Protected Area

SUBJECT : REPORT ON THE CONDUCTED WATER QUALITY
RESAMPLING AT EL NIDO SEWAGE AND SOLID WASTE
TREATMENT PLANT (ENSSWTP) LOCATED AT SO. BATBAT,
BRGY. VILLA LIBERTAD, EL NIDO, PALAWAN



Please be informed that on May 16, 2023 the undersigned together with the EMS Chief, Taytay Ms. Nicaith Trisha Erile of PEMU-Palawan together with the representative from ENSSWTP Engr. Aerol Carandang conducted water quality resampling to determine if the water discharge from their project is within the water quality guidelines pursuant to DENR Administrative Order (DAO) 2016-08 for Water Quality Guidelines and General Effluent Standards of 2016.

Grabbing of collected 1,000 ml of water sample was conducted by Ms. Enrile and proper preservation of sample was also administered such as pouring of acid in the specimen and secured it in iced container. On-site parameters test was conducted by the undersigned using Water Quality Multi Parameter Checker (HORIBA U50G) particularly the pH, Temperature, Dissolved Oxygen, Conductivity, Salinity, Total Dissolved Solids and Turbidity.

The sample was sent to EMB-MIMAROPA Regional office for laboratory analysis. Ms. Enrile was advised that the result of the laboratory analysis be furnish to this office for record and future reference. Attached herewith are the geotagged photos and field data for reference.

For information and record.


STEVEN JOHN B. ANDAO

PHOTO DOCUMENTATION



CERTIFICATION

This is to certify that the above photos were true and correct and taken during the conducted water quality resampling in El Nido Sewage and Solid Waste Treatment Plant (ENSSWTP) on May 16, 2023 together with EMB-PEMU Palawan personnel and representative from ENSSWTP.


STEVEN JOHN B. ANDAO
Park Ranger

Control No.: _____

FIELD DATA FORM

Influent/Effluent/Abstracted Water Quality Monitoring

☐ Influent☒ Effluent☐ Abstracted

Sample ID: STN. 1 Station No.: _____
 Name of Establishment: El Nido Sewage & Solid Waste Treatment Plant
 Type of Industry: Treatment
 Location: Sa. Rafael, El Nido, Palawan
 Coordinates (GPS): Latitude: _____ Longitude: _____
 Date of Sampling: 5/16/2023 Time of Sampling: _____
 Name of Receiving Body of Water: El Nido Bay Classification: SB
 Weather Condition: Sunny
 Visual Color of Sample: Clear Odor of Sample: None
 Estimated Flow Rate: no operation
 Observation of Surroundings: _____

On-Site Tests:

Parameter	Unit	Test 1	Test 2	Test 3	Average	Test Method
pH		6.35	6.41	6.18		
Temperature		34.01	33.93	33.88		
Dissolved Oxygen		6.89	6.60	6.70		
Conductivity		1.02	0.975	0.966		
Salinity		0.5	0.48	0.47		
Total Dissolved Solids		0.653	0.624	0.618		
Turbidity		6.39	5.16	3.12		

Sample for Laboratory Analysis:

Type of Sample:

☒ Single Sample ☐ Duplicate ☐ Split ☐ Others: _____

Parameters for Analysis	Sample Volume (mL)	Container Type	Sampling Method	Preservation
Oil & Grease	1,000	glass	grab	iced & acidified

Sampled by: Nicarh Enik

Signature: _____

Analyzed on-site by: Steven John Andao

Signature: _____

Conforme: Aerol Carandang
Project Development Officer

Signature: _____