



MINUTES OF THIRD QUARTER GOVERNING BOARD MEETING OF  
SABANG BAY WATER QUALITY MANAGEMENT AREA (WQMA)  
CY 2022

**Venue:** Casa Marco Suite Hotel and Restaurant and Video Conference via Microsoft Teams

**Time:** 10:00am – 12:51pm

**Date:** 07 September 2022

Attendees:

- |                                       |   |   |
|---------------------------------------|---|---|
| 1. Edeliza G. Manzo                   | - | PG – ENRO                               |
| 2. Joan Margarette A. Yap, PhD, EnP   | - | MENRO, LGU – Puerto Galera              |
| 3. Nimfa R. Emam                      | - | MENRO, LGU – Puerto Galera              |
| 4. Marian Apolinario                  | - | MENRO, LGU – Puerto Galera              |
| 5. Engr. Mark Jerome Binay            | - | MEO, LGU – Puerto Galera                |
| 6. Marcial M. Abao                    | - | MEO, LGU – Puerto Galera                |
| 7. Lope C. Beltran                    | - | STP Consultant, LGU – Puerto Galera     |
| 8. Cresinciano I. Caspe               | - | Brgy. Sabang                            |
| 9. Engr. Eric Aves                    | - | DA Regional Field Office                |
| 10. Michael Angelo R. Adaua           | - | DepEd Oriental Mindoro                  |
| 11. Jezreel Jeck Matre                | - | PENRO OrMin, DENR MIMAROPA              |
| 12. Engr. Nillete Fidel               | - | DOH MIMAROPA CHD                        |
| 13. Engr. Timoijen A. Sacar           | - | DPWH MIMAROPA                           |
| 14. Princess Lalaine A. Walath        | - | DPWH MIMAROPA                           |
| 15. Fely Joy Dinglasan                | - | DTI                                     |
| 16. Siena May M. Uy                   | - | DOT MIMAROPA                            |
| 17. Laurino Darao                     | - | BFAR MIMAROPA                           |
| 18. Ivy Joan Cananea                  | - | DHSUD MIMAROPA                          |
| 19. Ruther John B. Col-Long           | - | NEDA MIMAROPA                           |
| 20. Engr. Elynah Roscyell M. Mistiola | - | NIA                                     |
| 21. PMSg Ivey Kareen G. Ragasa        | - | PNP-MG                                  |
| 22. Mark Anthony G. Espinola          | - | PNP-MG                                  |
| 23. Engr. Joshua Bon A. Roa           | - | Efren Ramirez Construction (Contractor) |
| 24. Engr. Jojitte Delen               | - | Efren Ramirez Construction (Contractor) |
| 25. Engr. Pablito M. Estroque, Jr.    | - | EMB MIMAROPA                            |
| 26. Ederlita U. Labre                 | - | EMB MIMAROPA                            |
| 27. Carlotta Levinia R. Jugno         | - | EMB MIMAROPA                            |
| 28. Maevelyn Kathryn D. Tupasi        | - | EMB MIMAROPA                            |
| 29. Jane T. Dumenden                  | - | EMB MIMAROPA                            |
| 30. Adz Hazen M. Dimapilis            | - | EMB MIMAROPA                            |
| 31. Engr. Ma. Kimberly B. Evora       | - | EMB MIMAROPA                            |

Representatives from the following agency members were unable to attend the meeting:

1. Department of the Interior and Local Government (DILG)
2. Puerto Galera Waterworks
3. Department of Science and Technology (DOST)
4. Commission on Higher Education (CHED)
5. National Commission on Indigenous People (NCIP)
6. Philippine Information Agency (NIA)
7. National Water Resources Board (NWRB)
8. Academe:
  - Puerto Galera Central School (PGCS)
9. Business Sector:
  - Utopia Resort



## SABANG BAY WATER QUALITY MANAGEMENT AREA GOVERNING BOARD



SBWQMA Members : 25 members  
Number of Members Present : 16 members  
Number of Members Absent : 9 members

### Call to Order

Mr. Adz Hazen M. Dimapilis started the meeting with a short prayer at around 10:00am followed by the acknowledgement of governing board members and other attendees. Ms. Ederlita U. Labre, Chief, Provincial Environmental Management Unit – Oriental Mindoro, EMB MIMAROPA, chaired the meeting and recognized the presence of the members. The quorum was declared wherein 16 members out of 25 members present in the meeting, and the meeting officially started.

### A. Presentation and Approval of the Agenda

Agenda for the meeting were presented by Ms. Jane T. Dumenden as follows:

1. Presentation and Approval of the Minutes from the Previous Meeting
2. Updates on the Issues and Concerns Arising during the Previous Meeting
3. Presentation of CY 2024 Work and Financial Plan for SBWQMA
4. Presentation of Board Resolution for the Approval of CY 2024 Work and Financial Plan for SBWQMA
5. Updates on the status of Sabang and San Isidro Sewerage Treatment Plant (STP)
6. Updates on the Water Quality of Sabang Bay and other waterbodies within SBWQMA
7. Revisit of Sabang Bay WQMA Ten-Year Action Plan
8. Other matters

The chairperson asked if there are other matters that the board wants to include in the presented provisional agenda. Engr. Estorque ask the secretariat to include the presentation of Total Pollution Load (TPL) in Sabang Bay and other waterbodies within WQMA. Ms. Tupasi stated that the study was on-going and recommended to present on the next board meeting. Since there were no other comments from the board, the agenda was moved and approved by the board.

### B. Presentation and Approval of the Minutes from the Previous Meeting

Mr. Dimapilis presented the review of the minutes of 2<sup>nd</sup> Quarter Governing Board meeting for CY 2021. Minor corrections were addressed at presented minutes where on line 77 from “Minola” to “Minolo”, and line 56 to include year “CY 2020”.

Since there were no further corrections, Ms. Labre request for the approval of the previous minutes wherein Mr. Laurino A. Darao from BFAR moved the approval of the minutes and seconded by Ms. Siena May M. Uy from DOT.

### C. Updates on the Issues and Concerns Arising during the Previous Meeting

Ms. Labre ask the board on the matters arising from the presented minutes. Ms. Joan Margarete A. Yap of MENRO, LGU – Puerto Galera states that on line 72 to provide proper delineation of Muelle Bay and Puerto Galera Bay such as submitted via email last 02 August 2020 to Ms. Dumenden while the Sangunian Resolution was sent via email to Ms. Tupasi August 2020. Ms. Dumenden asked on the update on the permits of Three D’s Malabanan-Ilagan Siphoning service from the Municipal Licensing Office. Ms. Yap stated that the project has a Mayors Permit last CY 2021 and the siphoned wastewater were treated at the Sabang STP. Ms. Yap updates the body that the project had already submitted for renewal of Mayors Permit this CY 2023 as per Licensing Office and they were waiting for the Memorandum of Agreement with the LGU to treat the siphoned wastewater at Sabang STP. Ms. Tupasi asked if the project has a DOH clearance. Ms. Yap stated that they requested for a copy the said clearance but a manifestation that a letter to the



DOH requesting for the issuance of the clearance. Tupasi asked Engr. Nillete Fidel from DOH if they had already issued a clearance to the project. Engr Fidel stated that there was no endorsed application for DOH clearance from the Municipal Health Office (MHO). She added that they can assist on the application of the DOH clearance. Engr. Estorque ask if the DOH clearance was a requirement for the issuance of Mayors Permit. Ms. Yap answered that it was a requirement but a certification requesting for the processing of Mayors Permit was considered in the renewal application. Ms. Tupasi asked Engr. Fidel to present the board the process on the application for siphoning. Engr. Fidel stated that they were currently processing the applications using the revised Implementing Rules and Regulation (IRR) for Sewage Collection and Disposal. She added that they will provide copy of the revised IRR to the LGU.

#### **D. Presentation of CY 2024 Work and Financial Plan for SBWQMA**

Ms. Tupasi presented the CY 2024 Work and Financial Plan for SBWQMA based on the National Workshop on the Utilization of Area Water Quality Management Fund. She added that the fund came from the collected wastewater discharge fees from the establishments. The total collected fund was Php 160,333.02 from CY 2019 to February CY 2022. The said funds will be used for the purchased of dye tracers, waterproof action camera, and PPEs such as life vest, wet suit, and hat. Ms. Yap suggested to include the rental of boat. Ms. Tupasi include remove the purchase of vest and replaced with rental of boats. Ms. Tupasi informed the board that they will present on the next meeting on the utilization of National Water Quality Management Fund comes from penalties. Ms. Labre to include the purchase of boat. Ms. Tupasi stated that the central office was looking for other source of fund instead of using the fund for the operation of WQMA. She added that it might possible once it was supported by a resolution. Ms. Labre informed the board it might be possible to request for a donation of boat from other NGOs.

#### **E. Presentation of Board Resolution for the Approval of CY 2024 Work and Financial Plan for SBWQMA**

Ms. Tupasi presented the drafted Board Resolution no. 2022-01 or the “Mobilization of the Fund Committee on the Sabang Bay Water Quality Management Area (SB WQMA)”. She added that an account was already opened at the Landbank of the Philippines – Intramuros wherein the funds will be withdrawn. However, there was no created subaccount for each WQMA in MIMAROPA. She stressed that the Fund Committee of SB WQMA chaired by DILG its member agencies Office of the Accounting, Treasurer, and Budget of LGU – Puerto Galera, NEDA, NWRB, PG – ENRO, DTI, and EMB based on the Governing Rules of Sabang Bay WQMA, will take charge on the utilization of Area Water Quality Management Fund and National Water Quality Management Fund. Moreover, she stated the composition of the Administrative and Finance Group (AFG) with the following members: Finance Committee, Accounting, Treasury, and MPDC of LGU – Puerto Galera, Local Chief Executive of LGU – Puerto Galera, and SBWQMA Governing Board Treasurer. Ms. Labre asked the concerned agencies assigned as Fund Committee and AFG. Agencies present at the meeting agreed on the assignment. Ms. Tupasi informed the board that the designation of assignments was consulted during the creation and approval of the governing rules. Since there was no correction, the Board Resolution No. 2022-01 was moved and approved by the board.

Ms. Tupasi also presented the drafted Board Resolution no. 2022-02 or the “Resolution Approving the Work and Financial Plan of Sabang Bay Water Quality Management area (SB WQMA) for CY 2024”. She stressed on the utilization of fund for CY 2024 as part of the requirements in withdrawing the said fund. Since there was no correction, the Board Resolution No. 2022-02 was moved and approved by the board.



## **F. Updates on the status of Sabang and San Isidro Sewerage Treatment Plant (STP)**

Engr. Mark Jerome Binay from MEO and designated focal in the operation of Sabang STP presented the following updates on the Sabang STP:

- On-going construction of the boardwalk served as phase II of the Sabang STP.
- Under Alreco Management, there were 12 establishments connected at the STP while under the Municipal management, there were 5 establishments connected at the STP for a total of 17 establishments (*see Fig 1. for list of establishments*).
- Programmable Logic Controller (PLC) that provide instructions on the automatic operation of the STP has malfunction dated 29 August 2022. Hence, the STP was in manual operation. Past Damage Report will be provided by Engr. Binay (*see annex A*).
- Future plans for the STP:
  - Additional main sewer pipes
  - Budget for repair and maintenance
  - Trainings for technical staff/operators
  - Institutionalized the sewerage management
  - Often monitoring of water quality

Ms. Yap informed the board that the IRR for the installation and treatment fees, and operation of the STP. Ms. Labre asked the exact date the STP endorsed to the LGU. Ms Yap stated that the STP was endorsed 2 months ago (July 2022). Ms. Dumenden asked of the discharge from household were connected. Ms. Yap stated that 2 drainage canals where domestic wastewater are connected located at Eddie's Place and Red Coral were connected. She added that they had an on-going procurement of purchasing siphoning truck for the siphoning of wastewater from the households and establishments who were not able to connect to STP. Ms. Labre asked if there were representative from business sector. Ms. Dumenden stated that Coco Beach Resort attended the previous meetings before it ceased its operation. Ms. Labre suggest including next meeting a new representative from business sector for them to informed and assist on the application of DOT accreditation and other permits. Ms. Yap suggest also to invite concerned barangays (San Isidro and Poblacion) on the next meetings and attention on the invitation the concerned office of the LGU. Engr. Estorque asked if the damage on the STP before it was turned over affects the quality of treated wastewater and if there were water sampling conducted. Ms. Yap that there was no water sampling conducted since the project was still on commissioning stage. Engr. Estorque suggest conducting water sampling monitoring to check the quality of treated wastewater since it was not forever commissioning stage. Engr. Estorque also suggested to provide timeline on the commissioning stage to operational stage. Ms. Labre supports the suggestion of Engr. Estorque to submit action plan on the problems in STP including the timeline.

Engr Jojitte Delen, contractor of Efren Ramirez Construction, presented the updates on the San Isidro STP. Engr Delen updated the following:

- Sequencing Batch Reactor (SBR) System was the processing design of the STP
- It has an averaged flow of 1,761 cu. m./day and its maximum design flow capacity was 3,000 cu. m./day
- The completion on the construction of the STP was 89% (*see Fig. 2 for project status report*).
- With regards to the connection of the establishments, LGU has already conducted the survey on the establishment who will connect on the conveyance.

Ms. Dumenden asked if the Timbugan Creek will be connected. Ms. Yap stated that the Timbugan Creek was not a creek since it was stagnant and flows once rain occurs. Ms. Tupasi conclude that the Timbugan Creek will be removed as adopted waterbody within WQMA and replaced with another waterbody. Ms. Labre stated that an assessment report will be needed in support in removing the Timbugan Creek. Ms. Tupasi stated that the Timbugan Creek will be monitored but changed into Timbugan outfall/waterway. Ms. Labre also informed the members



that the discharge point of the San Isidro STP. Ms. Yap suggested to adopt rivers at Brgy. Balatero near pier.

#### G. Revisit of Sabang Bay WQMA Ten-Year Action Plan

The revisit of the Action Plan will be an assignment on each board members and be discussed on the next board meeting.

#### H. Updates on the Water Quality of Sabang Bay and other waterbodies within SBWQMA

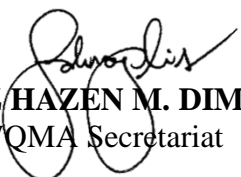
Ms. Dumenden presented the water quality status of Sabang Bay and other waterbodies within SBWQMA. Ms. Dumenden also presented the new sampling stations will be new Sabang Bay WQMA sampling stations wherein 5 meters away from the shore. Ms. Tupasi further explains that since the coastal stations were not existing due to construction of the boardwalk, 6 coastal stations were moved 5 meters away adding the 4 stations and be designated as WQMA stations (*see Fig. 3 for list of new sampling stations in Sabang*). She added that physicochemical (TSS, nitrate, phosphate, color) will be included in the analysis on the new stations. Based on the consultation to the Brgy. Sabang and LGU, the creek in Sabang and Timbugan Creek was not a creek but a natural storm drainage. Aside from Sabang new stations, new monitoring stations in Muelle bay was presented (*see Fig 4. for list of new sampling stations in Muelle Bay*). Ms. Labre recommends including notations on the presentation of results of water quality for observation during the sampling.

#### I. Adjournment


The meeting was adjourned at 12:51pm with the following agreements:

| Concerned SB WQMA Members       | Agreements  |
|---------------------------------|---|
| SB WQMA Governing Board members | Revisit of Sabang Bay WQMA Ten-Year Action Plan   |
| SB WQMA Secretariat             | -Send copy of Sabang Bay WQMA Ten-Year Action Plan<br>-Provide DOH IRR for Sewage Collection and Disposal |
| SB WQMA Secretariat             | Presentation of Total Pollution Load (TPL)  |

Prepared by:

  
**ADZ HAZEN M. DIMAPILIS**  
SBWQMA Secretariat

Reviewed by:

  
**JANET T. DUMENDEN**  
SBWQMA Secretariat  
Head, Ambient Water

Noted by:

  
**MAEVELYN KATHRYN D. TUPASI**  
SBWQMA Secretariat  
OIC, AMTSS

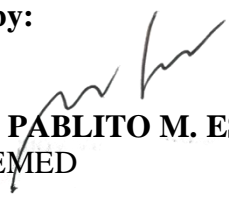




**SABANG BAY WATER QUALITY MANAGEMENT AREA  
GOVERNING BOARD**



**Noted by:**

  
**ENGR. PABLITO M. ESTORQUE JR.**  
Chief, EMED

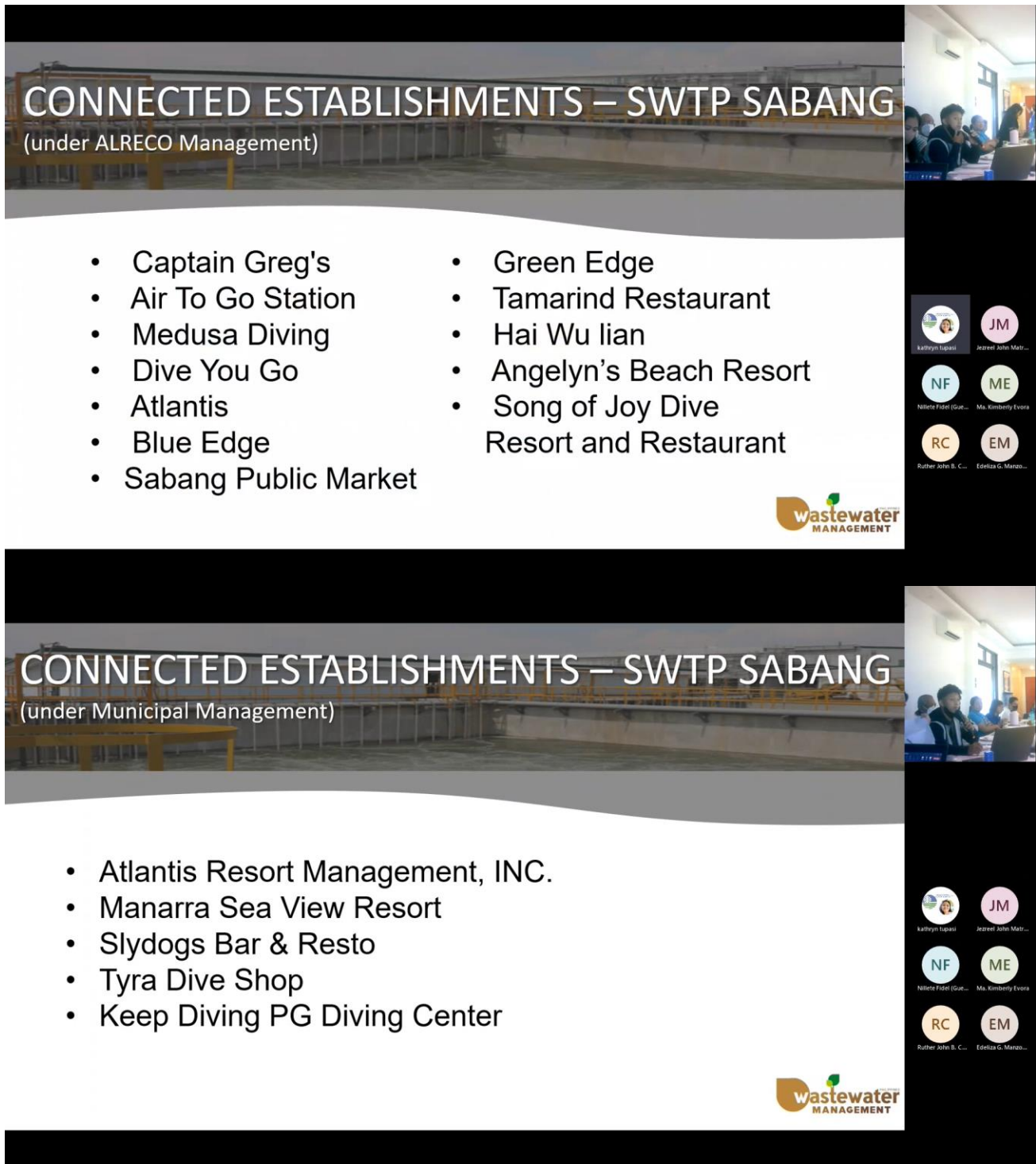


Figure 1. List establishments connect to Sabang Sewerage Treatment Plant

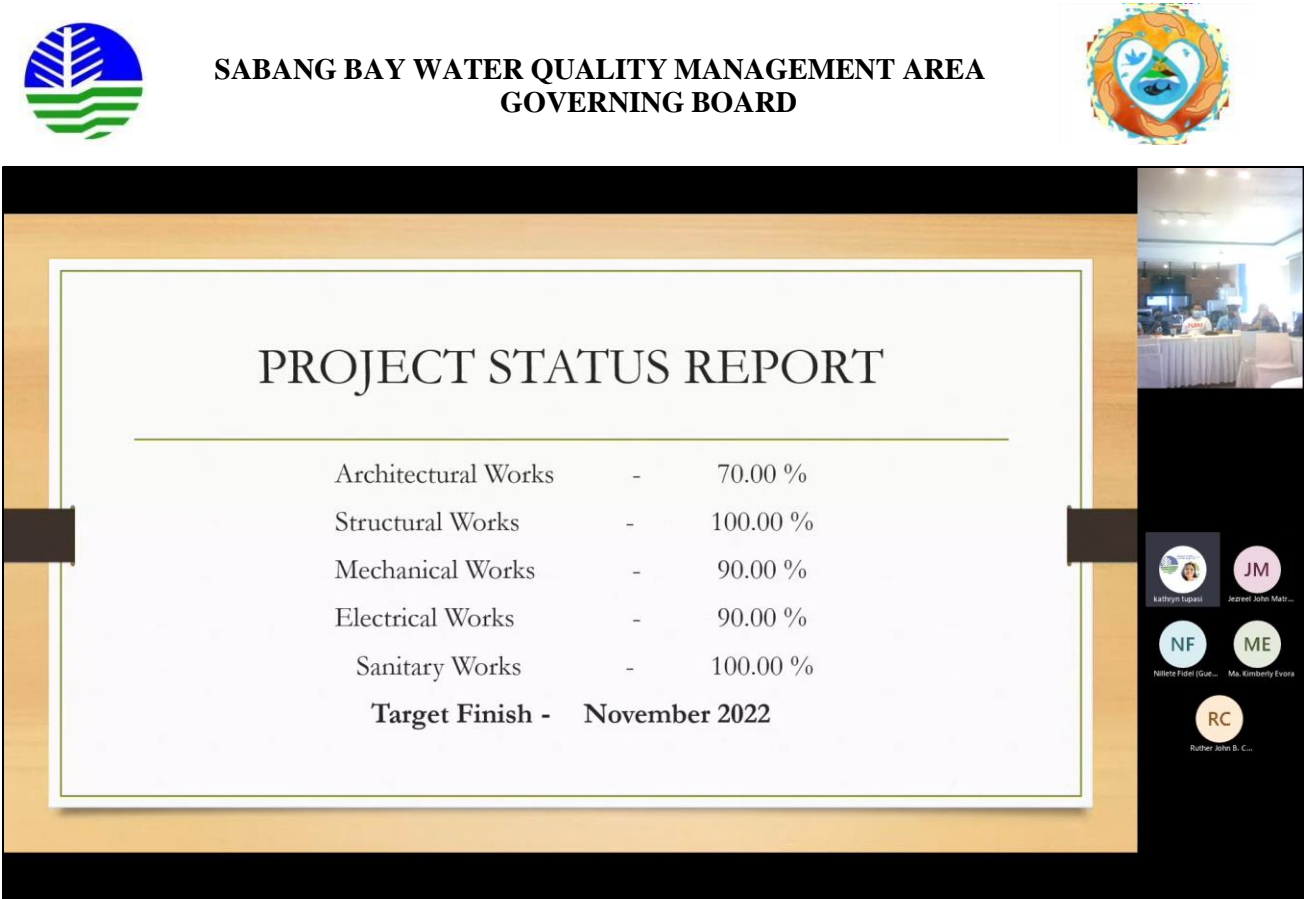


Figure 2. Project status report in San Isidro Sewerage Treatment Plant

SABANG BAY 5 METERS AWAY FROM THE SHORE FECAL COLIFORM

| Station Identification         | Feb 15 | Mar 23 | Apr 26 | May 18 | Jun 7 | Geomean | WQG |
|--------------------------------|--------|--------|--------|--------|-------|---------|-----|
| East of Sabang                 | <1.8   | <1.8   | 920    | 220    | <1.8  | 15.83   | 100 |
| Pier                           | 33     | <1.8   | 2,400  | 1,600  | 540   | 163.36  | 100 |
| Central Sabang                 | <1.8   | 79     | 540    | 33     | <1.8  | 20.98   | 100 |
| West Sabang                    | <1.8   | 13     | 350    | 130    | <1.8  | 17.64   | 100 |
| Small La Laguna                | 2      | 2      | 540    | 350    | <1.8  | 16.66   | 100 |
| Big La Laguna                  | 4.5    | 4.5    | 79     | 49     | <1.8  | 10.59   | 100 |
| East Coco Beach                | 7.8    | 140    | 130    | 240    | <1.8  | 35.69   | 100 |
| Coco Point                     | <1.8   | 2      | 49     | 350    | <1.8  | 9.98    | 100 |
| Batangas Channel               | 7.8    | 4      | 240    | 240    | <1.8  | 19.82   | 100 |
| Paniquian                      | 2      | 920    | 33     | 150    | <1.8  | 27.41   | 100 |
| First Semester Overall Geomean |        |        |        |        |       | 22.46   | 100 |

Figure 3. New WQMA sampling stations in Sabang Bay





# MUELLE BAY PH VALUES

| Station Identification         | Jan 26 | Feb 15 | Mar 23 | Apr 26 | May 18  | Jun 7   | Average | WQG   |
|--------------------------------|--------|--------|--------|--------|---------|---------|---------|-------|
| East Muelle                    | 7.0    | 8.27   | 8.25   | 8.37   | no data | no data | 8.0     | 7-8.5 |
| Central Boquete                | 7.0    | 8.28   | 8.25   | 8.33   | no data | no data | 8.0     | 7-8.5 |
| West Asinan                    | 7.0    | 8.29   | 8.14   | 8.3    | no data | no data | 7.9     | 7-8.5 |
| First Semester Overall Average |        |        |        |        |         |         | 8.0     | 7-8.5 |

Figure 4. New sampling stations in Muelle Bay



Figure 5. Engr. Estorque asking question to the LGU – Puerto Galera



Figure 6. SBWQMA Board Members listening to the presentation of CY 2024 WFP





Figure 7. Ms. Tupasi presenting at the SB WQMA Board Meeting



Figure 8. 3<sup>rd</sup> Quarter 2022 Sabang Bay WQMA Governing Board Meeting



**SABANG BAY WATER QUALITY MANAGEMENT AREA  
GOVERNING BOARD**



**PART 2 OF THE SABANG BAY WQMA MEETING  
FIELD WORK: STP VISIT**

**STP SAN ISIDRO (WHITE BEACH)**







STP SABANG







**DRONE SHOTS OF IDENTIFIED TRIBUTARY STREAMS IN SABANG BAY WQMA**



**CREEK 1 AT BALATERO**



**CREEK 2 AT BALATERO**





**MINOLO COVE**

