



ANNUAL REPORT 2021

Serafica St., Mangaldan, Pangasinan

Tel. Nos.: (075) 513-4229; (075) 523-5884

Telefax: (075) 653-0574

Email: mangaldanwaterdistrict0979@yahoo.com



Republic of the Philippines
MANGALDAN WATER DISTRICT

Serafica St., Mangaldan, 2432 Pangasinan
Tel. Nos. (075) 523-5884; (075)653-0574

January 27, 2022

MS. GIGI S. SERAFICA

Management Advisor
UDEVI 4th Floor
Local Water Utilities Administration
Katipunan Road, Balara, Diliman
1105 Quezon City

Dear Madam:


We are forwarding your good office the Annual Report of Mangaldan Water District for CY 2021.

We hope you find this report satisfactory.

For your information and guidance.

Thank you and best regards.

Very truly yours,


ENGR. MARCELO M. PETONIO
General Manager

“Water is life..... Use it Wisely”

LBC EXPRESS, INC.
JAYO COMMERCIAL BLDG., RIZAL ST., MANGAL
DAN, PANGASINAN
Tel. No : (63) - 075 5124393
VAT TIN : 000-782-140-804

Customer's Copy



1816 0789 5861

THIS SERVES AS AN OFFICIAL RECEIPT
MIN : 15000613384116060
Serial No : PC1MLTDR
Official Receipt No : MGL0110000491413

SHIPPER:

ENGR PETONIO, ENGR MARCELO M
Address: MANGALDAN WATER DISTRICT SERAFICA
ST POBLACION, POBLA, MANGALDAN, PANGASINAN
Contact No.(s): 5235884 / 9000000000
Card Number: TIN:
Email:

CONSIGNEE:
And or/ care of:

SERAFICA, GIGI
Address: MGMT ADVISOR, UDEVL 4TH FLR LOCAL WATER UT
ILITIES ADMIN., KATIPUNAN RD BALARA DILIMAN
QUEZON CITY, METRO MANILA
Contact No.(s): 9205581 / 9293989306

Cargo N-Pack Large

Origin : NLA-MGL01-MANGALDAN
Trans. Date : 01/27/2022 10:46:44 am
Delivery Date : 01/29/2022 - 01/30/2022
Trans. Type : Delivery
Cut-Off : 03:30 PM
Actual Wt (Kg.) : 0.40
Volume Wt (cm x cm x cm) : 0.00X0.00X0.00=0.00
Declared Value : 500.00
Said to Contain : DOCUMENTS

VATable(Freight) : 254.46
VATable(Valuation) : 13.39
VAT-Exempt : 0.00
VAT Zero-Rated : 0.00
Packing Fee : 0.00
ISAM Pickup Fee : 0.00
Total Sales : 267.85
12% VAT : 32.15
Amount Due : 300.00
Discount : 0.00
Mode : CASH

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LIMITED UP TO ACTUAL DECLARED VALUE ONLY
I hereby agree to be bound with the terms and conditions written at the
back set forth by LBC EXPRESS

BEVERLY ANNE ODOMEN
Signature of Associate

ENGR PETONIO, ENGR MARCELO M
Signature of Shipper

OR Series No : MGL0110000000001 to MGL0169999999999 SIR Final PTUH:FP082015-122-0047487-00804
SIR Accreditation No: 1020087821402015060318 Date Issued: 06/26/2015 valid until: 07/31/2025
THIS INVOICE/RECEIPT SHALL BE VALID FOR FIVE(5) YEARS FROM THE DATE OF THE PERMIT TO USE.

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OR Series No : MGL0110000000001 to MGL0169999999999 SIR Final PTUH:FP082015-122-0047487-00804
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MANGALDAN WATER DISTRICT

Mangaldan, Pangasinan

ANNUAL REPORT

For the Period January 1, 2021 to December 31, 2021

I. GENERAL

A. ADMINISTRATIVE

1. Attached approved organizational charts in effect as year's end.
 - a. Functional Chart
 - b. Position/Organizational Chart (Key employees only) - showing Permanent positions and incumbents

Annex A (attached)

Annex B (attached)

2. Attach list of employed personnel with pertinent information.
(List of Plantilla of Personnel for the Fiscal Year 2021)

Annex C (attached)

The following summarizes the District's staffing

- a. Total number of employees
- b. Number of permanent employees
- c. Number of casual/temporary employees/laborers
- d. Number of employees meeting minimum qualifications per Job Description adopted by the District
- e. Number of employees not classified as casual/temporary who do not meet the minimum qualifications established by the District
- f. Number of Coterminous employee
- g. Number of Job Order personnel
3. Has the District adopted a policy prohibiting hiring of personnel related up to the *fourth degree* by affinity or consanguinity? (Yes or No)

46

34

3

36

none

2

7

Yes, CSC Rules

If not, how many of the employees are related to other employees of officials with the fourth degree by *affinity of consanguinity*?

none

4. Has the District adopted rules and regulation

Yes

- a. Personnel Matters
- b. Utility Customer Relations
- c. General Utility Operations

Yes, CSC-Approved Personnel Mechanism

Yes

Yes

During the year, in how many instances (or how many times) have exemption to theses rules and regulations has been in special cases?

none

5. Attach list of policy - setting resolutions adopted, repealed or amended by the District Board including those adopting LWUA guidelines
(Summary of Policy - Setting Resolutions)

Annex D (attached)

6. Has the District written and properly updated, reliable records of the following?
(A field check may be undertaken, if necessary? Yes or no)

- a. Customer Complaints
- b. Billing and Collection
- c. Delinquencies in Payment of Water Bills
- d. Meter Histories
- e. Service Connections
- f. Equipment Histories
- g. Equipment Downtime
- h. Bacteriological Tests
- i. System Pressure
- j. Leak Reports
- k. Unaccounted for Water
- l. Pump Effecienicies
- m. Water Production
- n. Water Production
- o. Valve and pipeline location
- p. General Accounting
- q. Stock Inventory
- r. Stores Usage
- s. Employees Record
- t. Minutes and Board Meetings

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

Yes

7. For this year, Auditing has been done by the Commission on Audit

Yes

8. Attach list of reports prepared regularly by the District on a monthly basis as required in the commercial Practice Manual (Omit this item if the District has not yet installed the commercial practices system in which case, indicate that the said system has not yet been installed yet.
(List of Reports Prepared Regularly)

Annex E (attached)

B. FINANCIAL/COMMERCIAL

1. Attach the District's financial statements for the report year including a comparison of the immediate past year.

Annex F (attached)

2. For the year under report, the District's total *budgetary outlay* was broken down into: (Source: Approved Budget)

103,633,493.00

- a. Operating Outlay
- b. Capital Outlay
- c. Special budgets, if any (*additional budget*)-Contingency
- d. Debt Service
- e. Reserve

69,426,341.00

33,000,000.00

-

-

1,207,152.00

3. For this same *one-year* period, the District's Gross Revenue was broken down into: (Source: Financial Report)

65,446,091.17

- a. Collection from water sales
- b. Other water revenues
- c. Other non-operating income
- d. Proceeds from *LWUA loan* to finance new service connections

64,582,889.76

747,464.26

115,737.15

-

4. For this same *one-year* period, the District's expenditures was broken down into: (Source: Financial Report)

36,009,200.61

- a. Operational (operation & maintenance expenses, including depreciation)
- b. Capital Outlay
- c. Annual Debt Servicing (Annex G - Summary of Loan Payments to LWUA)

27,260,497.73

8,748,702.88

-

5. For this same *one-year* period, the total salaries, wages & other emoluments paid for the District's employees where broken down into:

22,108,758.00

- a. For permanent employees
- b. For casual/temporary

21,718,889.01

389,868.99

6. Expenses for power/fuel for pumping during the year (Acct. #726, if Commercial Practices Accts. are in effect):

14,987,921.58

7. Total amount *billed* during the year is broken down into:

65,055,747.05

- a. Total Billings (Current and Old Accounts)
- b. Old Accounts

62,254,714.33

2,801,032.72

8. Total amount *collected* (*water sales only* during the year is broken down into:

61,927,152.41

- a. Current Billings
- b. Arrears

37,536,693.26

24,390,459.15

9. Total amount uncollected (delinquent) at year's end excluding Bad Debts

3,201,309.05

10. Total reserves at year's end

11,587,338.81

11. Complaints filed, processed and settled during the year

a. Total number filed, processed and settled during the year	2,133
b. Number dismissed for lack of merit/withdrawn	-
c. Number investigated	2,133
d. Number settled to the satisfaction of complaints	2,133
e. Number elevated to the District Board of Directors	-
f. Number settled by the Board	-
g. Number elevated to the higher authorities	-

12. At year's end, the following water charges were in force:
(Annex H-Approved Water Rates Schedule)

Annex H (attached)

Had these rates been submitted to LWUA for review? (Yes or No)

Yes

C. TECHNICAL

1. Has the District adopted by Board Resolutions, a set of design and construction standard? (Yes or No)
If so, who prepared it?
Is it being adhered to strictly?

Yes

GM

Yes

2. Does the District undertake bacteriological test of its water? (Yes or No)
How often are these test made per year?
Is LWUA being furnished copies of these test reports? (Yes or No)
For the report year, how many such reports were submitted to LWUA?

Yes

monthly

Yes

237

3. State the method of water treatment employed by the District, if any

chlorination system

4. Does the District undertake regular pump efficiency test? (Yes or No)
How many of these pumps does the District have in its system?
How many of these pumps are operational?

Yes

14

14

D. OPERATIONAL

1. Total water production during the year in cubic metes
(Annex I-Summary of Water Production and Consumption)
Total water billed in cubic meters
Average per capita consumption in lpd

4,885,146

Annex I (attached)

3,901,785

143.5

2. Attach list of Water Sources (Annex J-WD Water Sources)

Annex J (attached)

3. Is the District provided with measuring devices to measure their water production? (Yes or No)
If yes, what type?
If not, how do you measure productions

Yes

flow meter

-

4. As of year's end, the District has the following existing service connection and related information. (Annex K-Service Connection Growth)

Annex K (attached)

- a. Total number of existing connections (Active & Inactive Connection)
b. Number of Active Connections
c. Number of Metered Connections
 1. With functioning meters
 2. With non-functioning meters
d. Number of flat rate connections
e. Number of connections regularly billed
f. Number of delinquent concessionaires
g. Average number of customers per connections (HH)

15,919

14,652

14,675

14,675

-

-

14,500 +

5,671

5

5. Estimated population of district service areas	<u>114,377</u>
a. Estimated population served by utility whether fully or partially	<u>73,260</u>
6. Because of inadequate facilities, the District had to provide partial service in accordance with the following average length of time each 24-hours day:	
a. Less than 6 hours service	<u>-</u>
b. 7-12 hours service	<u>-</u>
c. 13-18 hours service	<u>24 hrs/day entire</u>
d. 19-24 hours service	<u>the coverage area</u>
(Not: You may vary the number of hours as may be necessary to suit actual conditions)	
7. Attach list of major equipment and machinery (with an initial cost of at least P 10,000.00 including pertinent information). (Annex L-List of Major Equipments)	<u>Annex L (attached)</u>
8. Does the District keep written record of request for service? (Yes or No)	
a. Does the record show the date when such requests were made and the nature of the service requested (Yes or No)	<u>Yes</u>
b. On the average, how long (in days) does it take the District to respond and attend such requests?	<u>1-2 days</u>
c. How many such reports were received during the year?	<u>2,133</u>
d. How many of these reports attended to during the year?	<u>2,133</u>

Submitted by:


ENGR. MARCELO M. PETONIO
 General Manager

MANGALDAN WATER DISTRICT

Mangaldan, Pangasinan

ANNUAL REPORT

For the Period January 1, 2021 to December 31, 2021

II. PROFILE**1. THE WATER DISTRICT & ITS PHYSICAL SYSTEM'S FACILITIES****A. ORGANIZATION**

1. Date Formed	<u>September 1, 1979</u>	Age (months) as of 12/31/20	<u>504</u>
2. Date CCC was issued	<u>October 6, 1980</u>	CCC No.	<u>139</u>
3. Personnel	<u>46</u>		

Comments: (adequacy, qualification, performance & others) Very Satisfactory

B. EXISTING SYSTEM'S FACILITIES**1. Service**

1.1 Service Area	<u>102.400 kms.</u>
1.2 Population of Service Area (Latest)	<u>114,377</u>
1.3 No. of Households	<u>22,875</u>
1.4 No. of Persons/Household	<u>5 persons</u>
1.5 Service Time (hrs./day)	<u>24 hours/day</u>

2. Structure and Equipment**2.1 Administration Building**

Office Area	<u>148.95 sq. m.</u>
Office Equipment (see List of Major Equipments)	<u>Annex L (attached)</u>

2.2 If rented, how much per month? n/a

2.3 Type of Water Source Deep Well

Rated Capacity per day (cu.m. / day) 15,897

2.4 Reservoir (description, built, dimension and capacity)

1 unit	400	cu.m	Steel Tank Reservoir at <u>Public Plaza of Mangaldan</u>
1 unit	150	cu.m	Steel Tank Reservoir at <u>Brgy. Amansabina</u>

2.5 Water Sources (Annex J-WD Water Sources)**2.6 Service Connections**

Type	Flat	Metered	Total
Residential Government	-	13,943	13,943
Commercial	-	709	709
Bulk	-	-	-
Total	-	14,652	14,652

2.7 Production

Average Monthly Production	
a. Booster/Pumping (cu.m)	<u>407,096</u>
b. Bulk Water (cu.m)	<u>-</u>

Production Efficiency % (average/month)
(Total Water Utilized/Total Production) 79.87%

NRW % (20.13 %) YTD 20.13%

2. CURRENT OPERATION / FINANCIAL HIGHLIGHTS

A. Existing Water Rates (Annex H-Water Rates Schedule) Annex H (attached)

B. Operating Income/Expenses	
Average Water Sales (average/mo)	5,188,238.00
Average Collection (average/mo)	5,160,596.00
Average Expenses-O & M for the year (average/mo)	4,114,105.00

C. Financial Highlights (rate & status)

Current Ratio	=	$\frac{\text{Current Assets}}{\text{Current Liabilities}}$	7:42:1
Long Term Debt/Equity Ratio			-
Monthly Billing (average/mo)			5,188,238.00
Collection Efficiency-% of On-Time Payment (YTD)			91.3

3. COMMUNITY ECONOMIC PROFILE

A. Total Population (covered by the Water District)	114,377
B. Average Monthly Family Income in the Area	50,000.00
C. Major Source of Income	employed
D. Average Monthly Family Expenditure in the Area	30,000.00
E. City/Municipal Revenue	333,938,287.07
F. Average Rate of Mortality per 100,000 population due to waterborne diseases (e.g. diarrhea)	none
G. Average Rate of Morbidity per 100,000 population due to waterborne diseases (e.g. diarrhea)	none
H. Major Agricultural, Industrial and Commercial activities	palay/corn/other root crop production/carabao
Palay/Corn/Squash Production, Carabao/Cattle/Swine/Goat/Chicken Production; Concrete Aggregates	

4. OTHER INFORMATION

1. The District has been paying the n/a Water District an average of - cubic meter of Bulk Water per month
2. The District has implemented the Meter Clustering System to help alleviate water pilferage
3. The District has regularly monitors the Residual Chlorine in various strategic points of its water supply system (17 Summary of Bacteriological Analysis 2021)
4. The District has maintained its established safety programs and standard operating procedure
5. The District has continued implementing the 5% discount for water bill of Senior Citizens
6. The District has approved the Gender and Development Budget for CY 2021 in compliance with RA 9710
7. The District has adopted and implemented the approved Strategic Performance Management System (SPMS)
8. The District has fully paid its long term debt under Loan Account No. 3-554 RL to LWUA on December 2017
9. The District has maintained its ISO 9001:2015 Certification
10. The District has adopted and implemented the Freedom of Information (FOI) in compliance with Executive Order No. 02, Series of 2016 by the President of the Philippines
11. The District has been awarded PRIME-HRM Bronze Award by the Civil Service Commission on July 24, 2019
12. The Mangaldan Water District's Water Safety Plan is compliant with the requirements for acceptability pursuant to Department of Health Administrative Order No. 2017-0006 on September 26, 2019
13. The District's completed project for CY 2020 includes Drilling of one (1) Exploratory/Production Well and Construction of Pumping Station at Brgy. Osiem, Expansion of Distribution Lines for Water Supply at Brgy. Osiem and Drilling of one (1) Exploratory/Production Well located at Brgy. Tebag
14. The District's completed project for CY 2021 includes Expansion of Distribution Lines for Water Supply at Brgy. Tebag, Construction of Pumping Station and Perimeter Fence with Backfilling and Steel Gate at Brgy. Tebag and Installation of its Appurtenances, Construction of MAWAD Extension Office and on-going Drilling of one (1) Exploratory/Production Well at Brgy. Guesang
15. The Mangaldan Water District has been awarded the 1st Runner Up in the 2021 FOI Awards under the FOI Champion for Local Water District's Category given on November 23, 2021 at the Radison Blu Cebu during the 2021 FOI Summit

Prepared by:


MS. VIOLETA B. GAYAGA
Division Manager B - Finance

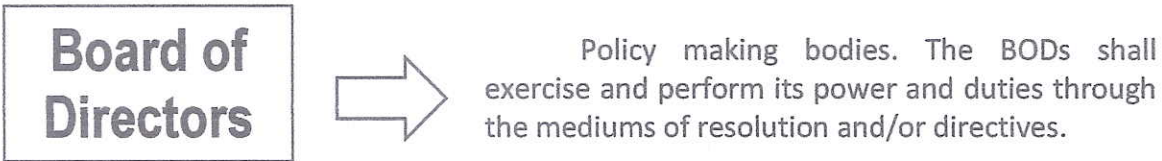
Approved by:


ENGR. MARCELO M. PETONIO
General Manager

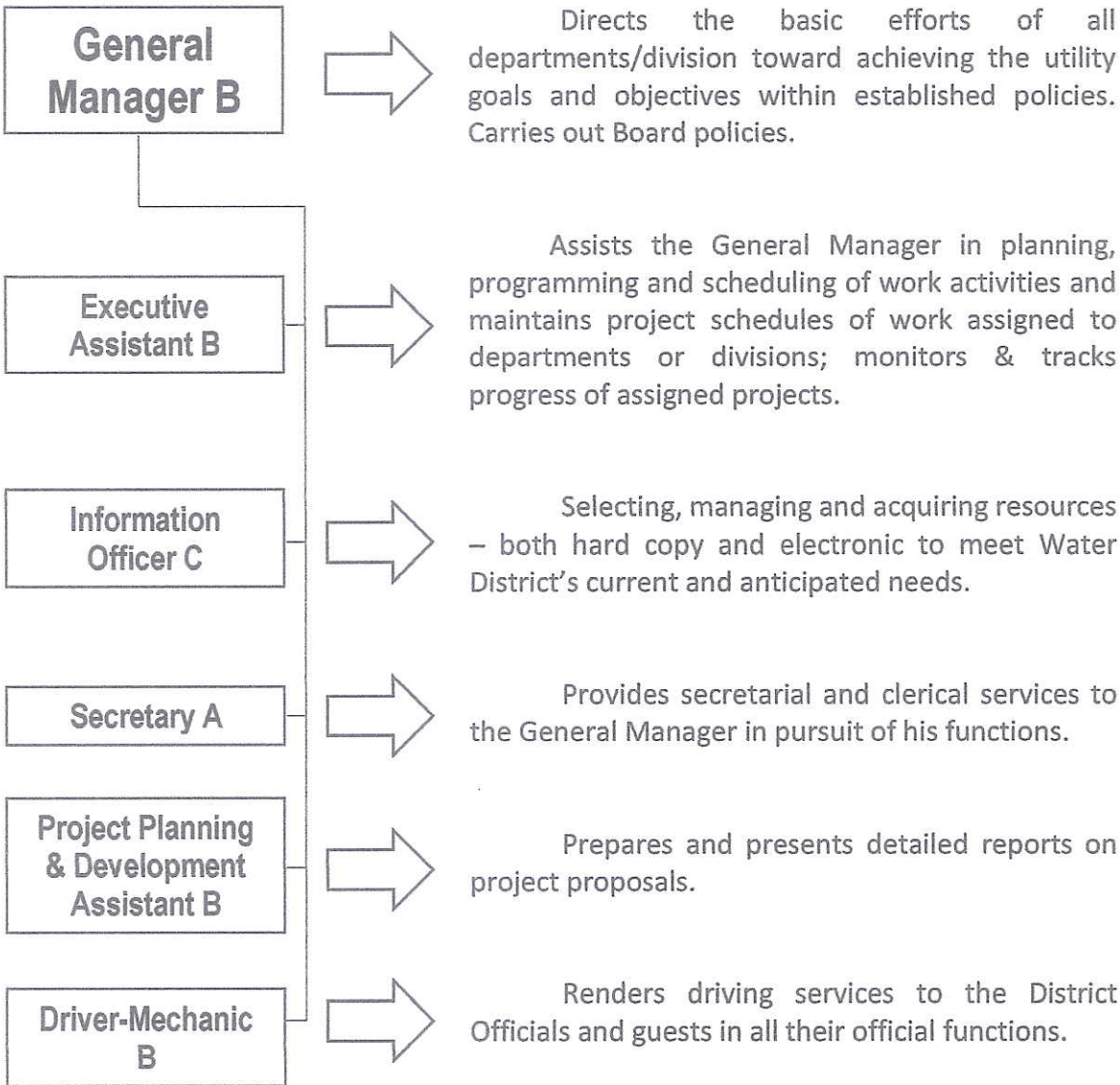


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Mangaldan, Pangasinan

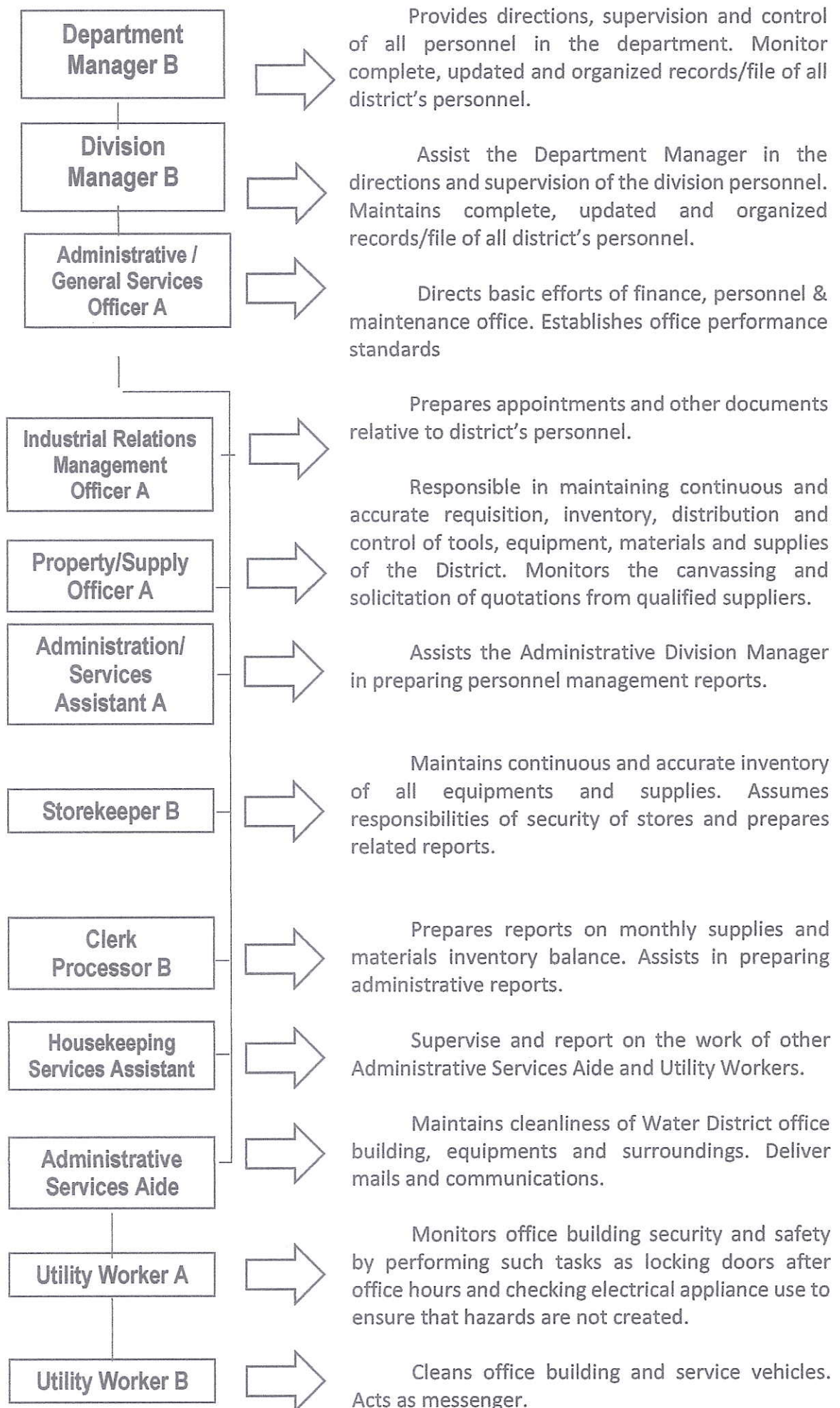
FUNCTIONAL CHART
As of December 31, 2021



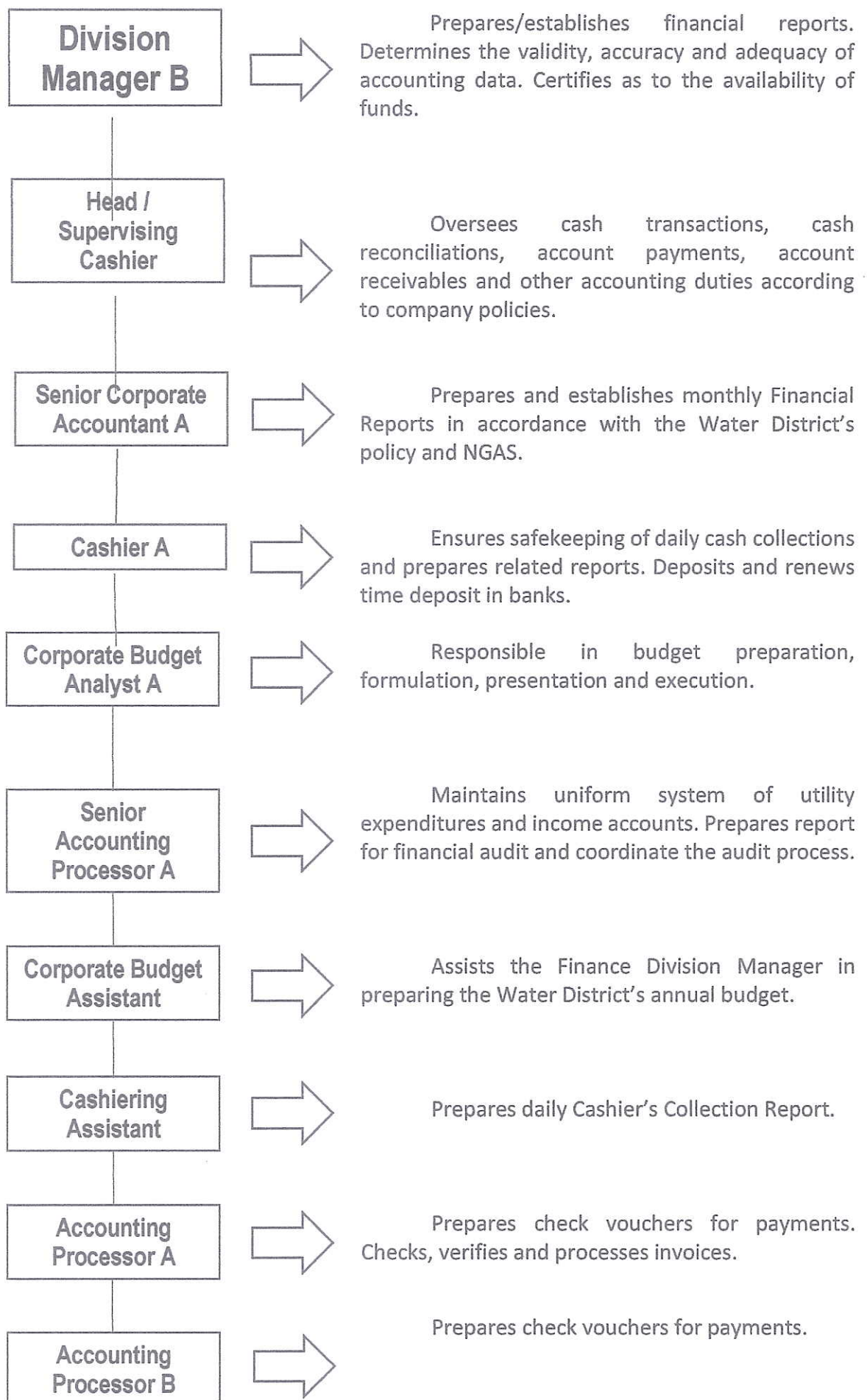
Office of the General Manager:



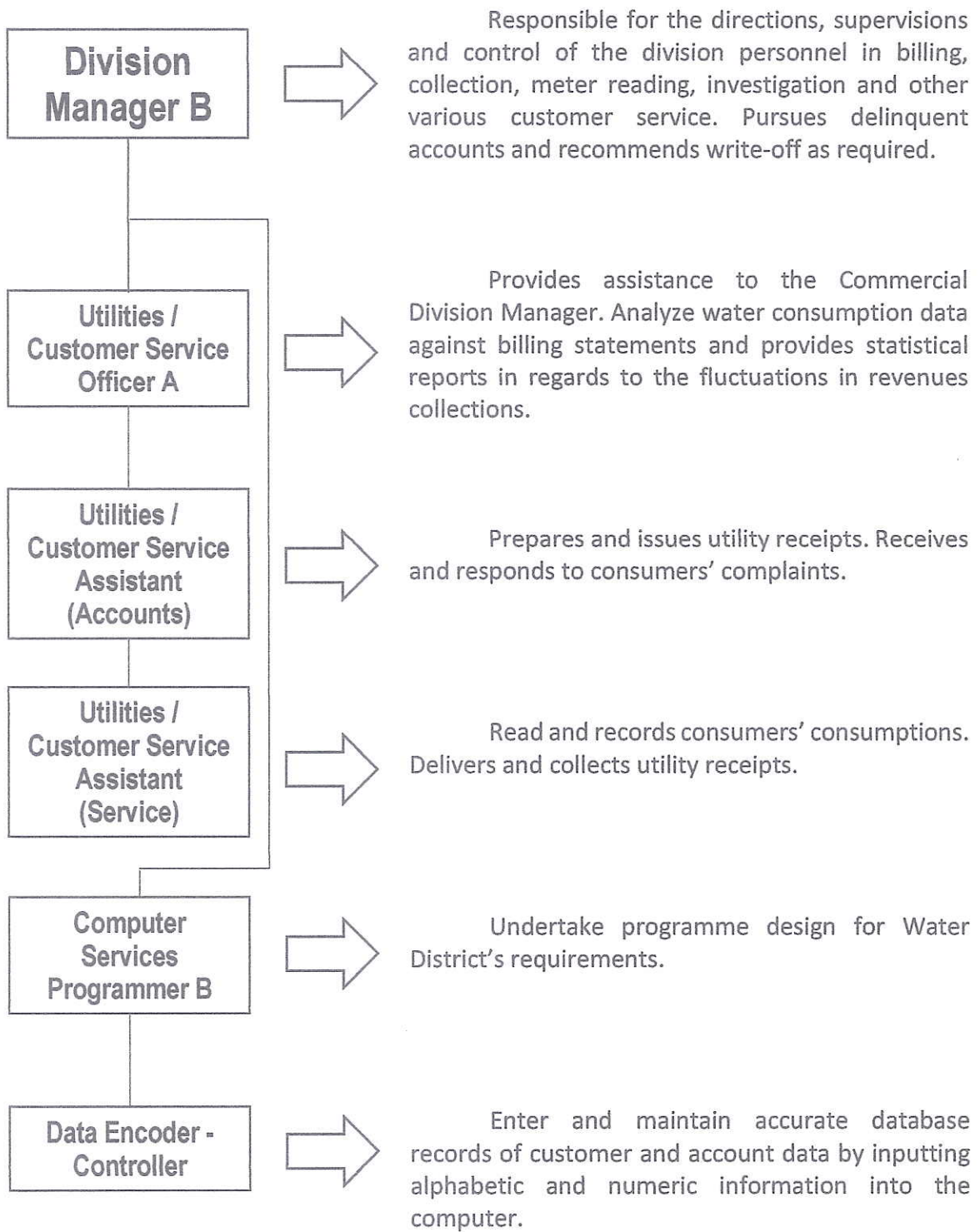
Administrative Division:



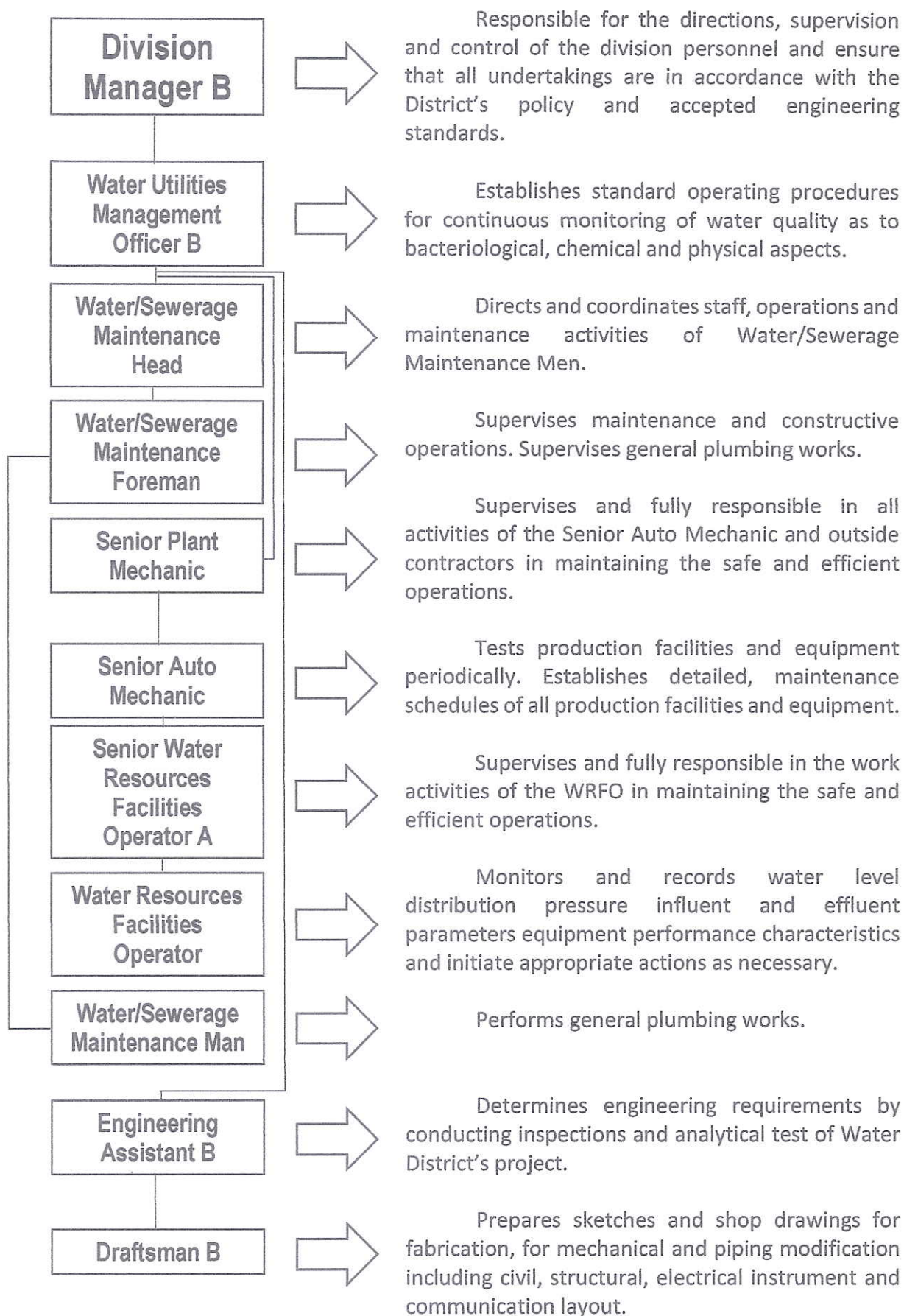
Finance Division:



Commercial Division:



Engineering/Operations Division:



Prepared by:

[Signature]
MARLYN C. DE GUZMAN

Division Manager B - Administrative

Approved by:

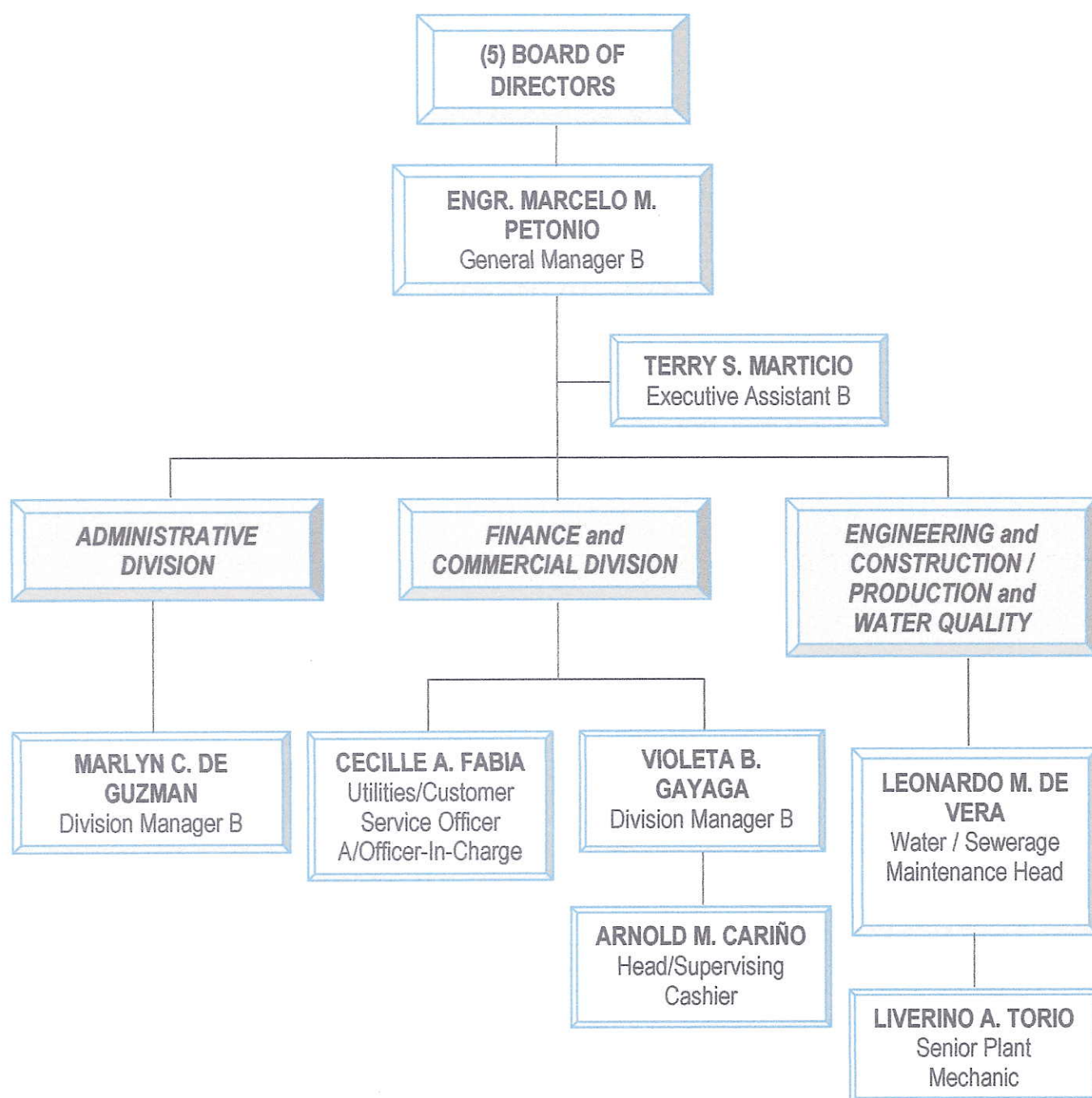
[Signature]
ENGR. MARCELO M. PETONIO

General Manager B




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MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan


POSITION/ORGANIZATIONAL CHART
(Key Employees Only)
As of December 31, 2021



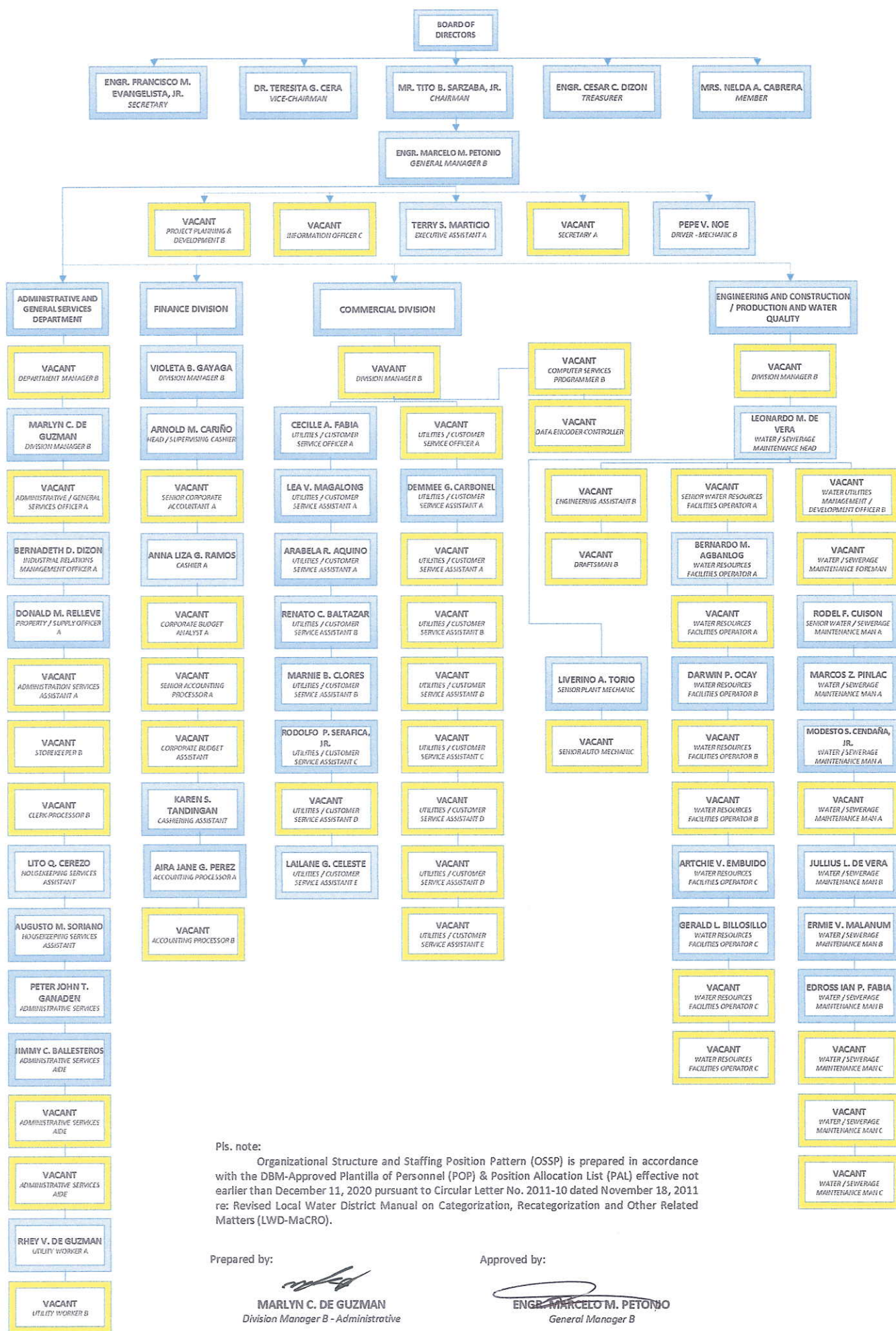
Prepared in accordance with the
Approved Organizational Structure:


MARLYN C. DE GUZMAN
Division Manager B - Administrative

Approved by:


ENGR. MARCELO M. PETONIO
General Manager B

ORGANIZATIONAL STRUCTURE & STAFFING
CATEGORY "B"



Pls. note:

Organizational Structure and Staffing Position Pattern (OSSP) is prepared in accordance with the DBM-Approved Plantilla of Personnel (POP) & Position Allocation List (PAL) effective not earlier than December 11, 2020 pursuant to Circular Letter No. 2011-10 dated November 18, 2011 re: Revised Local Water District Manual on Categorization, Recategorization and Other Related Matters (LWD-Macro).

Prepared by:

MARLYN C. DE GUZMAN
Division Manager B - Administrative

Approved by:

ENGR. MARCELO M. PETONIO
General Manager B

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
OFFICE OF THE GENERAL MANAGER														
1	General Manager B	27	3	128,329.00	130,423.00	2,094.00	Petonio, Marcelo Magno	Male	12/08/65	197-325-246	01/17/94	05/04/21	Permanent	RA 1080 (Mechanical Engineer)
2	Executive Assistant A	20	1	52,703.00	54,251.00	1,548.00	Marticio, Terry Sigua	Female	11/18/77	924-827-951	02/01/02	01/04/21	Cotermi- nous w/ the Appointing Authority	Subpro- fessional
6	Driver-Mechanic B	7	1	16,458.00	17,179.00	721.00	Noe, Pepe Visperas	Male	09/25/73	260-292-663	02/16/16	01/04/21	Cotermi- nous w/ the Appointing Authority	MC No. 10., s. 13 Category IV (Professional Driver's License)
TOTAL PER OFFICE				197,490.00	201,853.00	4,363.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ADMINISTRATIVE AND GENERAL SERVICES DIVISION														
7	Division Manager B	23	3	78,111.00	79,336.00	1,225.00	De Guzman, Marlyn Cruz	Female	07/18/68	100-493-933	08/01/94	05/04/21	Permanent	PD 907 (Honor Graduate)
9	Industrial Relations Management Officer A	15	1	32,053.00	33,575.00	1,522.00	Dizon, Bernadeth De Luna	Female	06/07/70	922-294-610	01/02/07	12/16/20	Permanent	Professional
10	Property/Supply Officer A	14	2	29,621.00	31,143.00	1,522.00	Relleve, Donald Mejia	Male	11/18/79	278-038-807	03/16/10	12/18/20**	Permanent	Professional
14	Housekeeping Services Assistant	6	1	15,524.00	16,200.00	676.00	Cerezo, Lito Quidilig	Male	09/13/65	938-226-349	01/16/14	12/16/20	Permanent	CSC Res. #93-3666 (Barangay Official)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ADMINISTRATIVE AND GENERAL SERVICES DIVISION														
15	Housekeeping Services Assistant	6	3	16,325.00	16,450.00	125.00	Soriano, Augusto Muyano	Male	08/22/70	927-818-690	10/17/05	10/01/21**	Permanent	MC No. 11, s. 96 Category III
16	Administrative Services Aide	4	2	13,914.00	14,511.00	597.00	Ganaden, Peter John Tanguilig	Male	07/06/90	310-908-800	12/18/17	12/18/20**	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III
17	Administrative Services Aide	4	1	13,807.00	14,400.00	593.00	Ballesteros, Jimmy Caramat	Male	01/01/88	458-092-469	12/18/17	12/16/20	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III
20	Utility Worker A	3	1	13,019.00	13,572.00	553.00	De Guzman Rhey De Vera	Male	01/07/77	724-554-016	12/16/20	-	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III
TOTAL PER OFFICE				212,374.00	219,187.00	6,813.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint-ment (14)	Career Service Eligibility (15)
FINANCE DIVISION														
22	Division Manager B	23	3	78,111.00	79,336.00	1,225.00	Gayaga, Violeta Bautista	Female	07/26/57	124-764-651	11/16/81	05/04/21	Permanent	Professional
23	Head/Supervising Cashier	19	2	47,530.00	49,052.00	1,522.00	Cariño, Arnold Movido	Male	03/04/63	124-764-708	07/16/85	12/18/20**	Permanent	Professional
25	Cashier A	16	1	35,106.00	36,628.00	1,522.00	Ramos, Anna Liza Garcia	Female	09/03/79	929-863-625	03/01/05	12/16/20	Permanent	Professional
29	Cashiering Assistant	8	2	17,663.00	18,417.00	754.00	Tandingan, Karen Soriano	Female	10/26/86	942-186-574	01/16/14	12/18/20**	Permanent	Professional
50	Accounting Processor A	8	1	17,505.00	18,251.00	746.00	Perez, Aira Jane Gonzales	Female	11/19/98	360-153-484	07/01/21	-	Permanent	RA 1090 CPA
TOTAL PER OFFICE				195,915.00	201,684.00	5,769.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
COMMERCIAL DIVISION														
32	Utilities/Customer Service Officer A	16	2	35,522.00	37,044.00	1,522.00	Fabia, Cecille Aquino	Female	05/15/77	919-681-654	04/15/02	12/18/20**	Permanent	Professional
35	Utilities/Customer Service Assistant A	12	8	26,560.00	28,117.00	1,557.00	Magalong, Lea Visperas	Female	02/09/63	124-764-677	02/16/89	04/15/20**	Permanent	Subpro- fessional
36	Utilities/Customer Service Assistant A	12	1	24,495.00	26,052.00	1,557.00	Carbonel, Demmee Gutierrez	Female	04/01/91	445-102-399	08/01/16	07/01/21	Permanent	Professional
38	Utilities/Customer Service Assistant A	12	2	24,779.00	26,336.00	1,557.00	Aquino, Arabela Reyes	Female	05/11/72	168-036-524	05/17/99	12/18/20**	Permanent	Subpro- fessional
39	Utilities/Customer Service Assistant B	10	6	21,079.00	22,106.00	1,027.00	Baltazar, Renato Dela Cruz	Male	03/25/68	915-454-508	03/16/99	10/01/20**	Permanent	Subpro- fessional

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
COMMERCIAL DIVISION														
40	Utilities/Customer Service Assistant B	10	1	20,219.00	21,205.00	986.00	Clores, Marnie Biagtan	Male	01/05/76	278-091-488	03/16/10	07/01/21	Permanent	CSC Res. # 93-3666 (Barangay Official)
45	Utilities/Customer Service Assistant C	8	1	17,505.00	18,251.00	746.00	Serafica, Jr., Rodolfo Paragas	Male	11/23/67	915-454-524	04/15/02	07/01/21	Permanent	Subpro- fessional
52	Utilities/Customer Service Assistant E	4	1	13,807.00	14,400.00	593.00	Celeste, Lailane Glanida	Female	10/22/96	737-702-960	12/16/20	-	Permanent	Professional
TOTAL PER OFFICE				183,966.00	193,511.00	9,545.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
54	Water/Sewerage Maintenance Head	16	1	35,106.00	36,628.00	1,522.00	De Vera, Leonardo Mosarbas	Male	11/02/65	926-118-179	02/20/06	12/18/20	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category II (Mechanical/ Electrical Operator)
57	Senior Plant Mechanic	14	2	29,621.00	31,143.00	1,522.00	Torio, Liverino Acierto	Male	09/29/69	929-868-700	05/02/08	12/18/20**	Permanent	MC No. 11, s. 96 as amended by MC No. 3, 2008 Category I (SCEP) Mechanic (Automotive Servicing)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
58	Senior Water/ Sewerage Maintenance Man A	12	2	24,779.00	26,336.00	1,557.00	Cuison, Rodel Ferrer	Male	12/09/78	929-868-696	10/17/05	12/18/20**	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III
61	Water Resources Facilities Operator A	8	1	17,505.00	18,251.00	746.00	Agbanlog, Bernardo Mangiralas	Male	11/02/75	278-038-033	03/16/11	12/16/20	Permanent	MC No. 11, s. 96 as amended by CSC Mc No. 10, s. 2013 Category II (Water Resources Facilities Operator)
63	Water/Sewerage Maintenance Man A	8	1	17,505.00	18,251.00	746.00	Cendaña, Jr., Modesto Sabino	Male	06/23/74	919-681-670	09/03/01	01/03/19	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
64	Water/Sewerage Maintenance Man A	8	2	17,663.00	18,417.00	754.00	Pinlac, Marcos Zarate	Male	08/17/69	915-454-516	03/16/99	12/18/20**	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III
67	Water/Sewerage Maintenance Man B	6	8	16,378.00	17,092.00	714.00	De Vera, Jullius Lopez	Male	07/05/71	197-325-221	05/29/97	04/15/20**	Permanent	MC No. 11, s. 96 Category III
68	Water/Sewerage Maintenance Man B	6	1	15,524.00	16,200.00	676.00	Malanum, Ermie Villaruz	Male	03/10/76	278-038-339	01/16/14	01/03/19	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
80	Water/Sewerage Maintenance Man B	6	1	15,524.00	16,200.00	676.00	Fabia, Edross Ian Pante	Male	07/05/77	927-818-704	10/17/05	07/01/21	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 Category III s. 2013 Category II (Water Resources Facilities Operator)
69	Water Resources Facilities Operator B	6	1	15,524.00	16,200.00	676.00	Ocay, Darwin Prestoza	Male	03/28/71	932-395-671	03/16/11	01/03/19	Permanent	MC No. 11, s. 96 as amended by CSC Mc No. 10, s. 2013 Category II (Water Resources Facilities Operator)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
74	Water Resources Facilities Operator C	4	2	13,914.00	14,511.00	597.00	Embuido, Artchie Visperas	Male	3/17/79	922-069-756	06/18/13	02/16/19**	Permanent	MC No. 11, s. 96 as amended by CSC Mc No. 10, s. 2013 Category II (Water Resources Facilities Operator)
76	Water Resources Facilities Operator C	4	1	13,807.00	14,400.00	593.00	Billosillo, Gerald Landingin	Male	7/30/80	719-652-855	01/02/20	-	Permanent	MC No. 11, s. 96 as amended by CSC Mc No. 10, s. 2013 Category II (Water Resources Facilities Operator)
TOTAL PER OFFICE				232,850.00	243,629.00	10,779.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT


Unique Item No. CY 2020 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2020 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2021 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2021 (in Pesos) (7)	Name of Incumbent (8)	Sex (9)	Date of Birth (10)	Tax Identification Number (11)	Date of Original Appointment (12)	Date of Last Promotion (13)	Satus of Appoint- ment (14)	Career Service Eligibility (15)
GRAND TOTAL				1,022,595.00	1,059,864.00	37,269.00								

Note:

* The salary rates are in accordance with the Second Tranche of the Modified Salary Schedule for Civilian Personnel in the National Government pursuant to Republic Act No. 11466 dated January 8, 2020 as implemented by National Budget Circular No. 584, s. 2021 dated January 6, 2021

** Date of Last Step Increment.


Prepared by:


MARLYN C. DE GUZMAN
Division Manager B - Administrative

**Verified & Certified as to the Existence
of Appropriation by:**


VIOLETA B. GAYAGA
Division Manager B - Finance

APPROVED BY:


ENGR. MARCELO M. PETONIO
General Manager B

PLANTILLA-APPOINTMENT OF PERSONNEL FOR NON-ITEMIZED POSITION
As Required Under Item No. 5.0 of National Budget Circular No. 584 dated January 6, 2021

AGENCY: **MANGALDAN WATER DISTRICT** **CATEGORY "B" WATER DISTRICT**
Serafica St., Mangaldan, Pangasinan

Source of Fund Authority (1)	Program/Project Activity Assignment (2)	Agency Position (3)	Salary Grade (4)	Number and/or Name of Personnel Holding the Position (5)	Period of Employment (6)	Actual Pay Rate Daily as of Dec. 31, 2020 (in Pesos) (7)	Adjusted* Pay Rate Daily Effective Jan. 1, 2021 (in Pesos) (8)	Daily Pay Rate Adjustment Effective Jan. 1, 2021 (in Pesos) (9)
MAWAD Corporate Fund	Aministrative Div.	Administrative Aide I	1	Bautista, Christopher Ocampo	03-16-2021 to 12-31-2021	525.05	547.00	21.95
MAWAD Corporate Fund	Finance Division	Administrative Aide I	1	Pascua, Mae Giselle Imuan	01-04-2021 to 12-31-2021	525.05	547.00	21.95
MAWAD Corporate Fund	Commercial Division	Administrative Aide I	1	Sulit, Jr., Jerry Paragas	03-16-2021 to 12-31-2021	525.05	547.00	21.95
TOTAL						1,575.15	1,641.00	65.85

Note:

The salary rates are in accordance with the First Tranche of the Modified Salary Schedule for Civilian Personnel in the National Government pursuant to Republic Act No. 11466 dated January 8, 2020 as implemented by National Budget Circular No. 584 dated January 6, 2021.

Prepared by:

Certified as to the Existence of Appropriation:

APPROVED BY:


MARLYN C. DE GUZMAN
 Division Manager B - Administrative


VIOLETA B. GAYAGA
 Division Manager B - Finance


ENGR. MARCELO M. PETONIO
 General Manager B

MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

"Annex D"

Yearly Log of Board Actions
2021

Board Resolution No.	Date	
001-21	1-15-2021	Approving the implementation of the second tranche compensation based on Republic Act No. 11466 as approved by the President of the Philippines dated January 8, 2020 as implemented by NBC No. 584 dated January 6, 2021
002-21	1-15-2021	Approving the projects for implementation and giving the GM the blanket authority to make an estimat for the approved budget cost and to inform the BAC for them to determine the mode of procurement
003-21	1-29-2021	Authorizing the General Manager to enter into Memorandum of Agreement with the GSIS for the availment of GSIS Financial Assistance Loan II for and in behalf of the MAWAD subject to existing rules and regulations
004-21	2-18-2021	Approving BAC recommendation declaring Kenwood Construction Ent. Corp. as the lowest calculated and responsive bid for the contract re: construction of pump house with backfilling and perimeter fence and Steel gate in Brgy. Tebag and authorizing the GM to enter into contract of agreement
005-21	3-12-2021	Approving the contract of agreement in connection with the lease of lot in Brgy. Guesang and authorizing the GM to enter into contract of agreement with the owner
006-21	3-12-2021	Approving BAC recommendation declaring JB Sachi as the lowest calculated and responsive quotation for the supply and delivery of 900 pcs water meters
007-21	3-12-2021	Approving BAC recommendation declaring RKS Motor Control Producst for the supply, delivery of Variable frequency drive motor control system
008-21	3-26-2021	Approving BAC recommendation declaring Ayson P.D Construction as the lowest calculated bid for the contract re: supply of labor and materials for the expansion of distribution lines for water supply at Brgy. Tebag.
009-21	4-16-2021	Amendment of Resolution No. 7, s' 2015 re: resolution designating the Water Safety Plan Team in the development of MAWAD Water Safety Plan
010-21	4-30-2021	Approving BAC recommendation for negotiated procurement as an alternative method of procurement for the supply and delivery of materials for the construction of MAWAD extension bldg and Pakyaw contracting for the cost of labor
011-21	4-30-2021	Approving BAC recommendation declaring CENPELCO as the Single Calculated and responsive quotation for the supply, delivery and installation of one unit 25KVA-dx transformer, single phase,primary line under direct contracting
012-21	5-14-2021	Addendum on Policy No. 2, s; 2020 re: Policy on Water Refilling Station
013-21	5-28-2021	Approving BAC recommendation for negotiated procurement as an alternative method of procurement for the supply, delivery and installation of one unit brand new generator set for pumping station no 14 located at brgy. Tebag
014-21	5-28-2021	Approving BAC recommendation for negotiated procurement as an alternative mode of procurement for the supply and delivery of 100 drums granular chlorine


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Board Resolution No.	Date	TITLE
015-21	5-28-2021	Acceptance of the Deed of Donation of 200 sq. mtr lot located in Brgy. Banaoang
016-21	6-17-2021	Approving BAC recommendation declaring the Alpha Enterprises as the lowest calculated and responsive quotation for the supply and delivery of 100 drums chlorine and authorizing the GM to enter into contract of agreement with the supplier
017-21	6-17-2021	Approving BAC recommendation declaring Trade Venture International Corp. as the single calculated and responsive quotation for the supply, delivery and installation of one unit brand new generator set and authorizing the GM to enter into contract with the supplier
018-21	6-25-2021	Approving the creation of Anti Red Tape committee
019-21	6-25-2021	Approving the creation of review and compliance committee
020-21	8-13-2021	Approving the CAPEX for the year 2022
021-21	8-13-2021	Approving the composition of technical working group
022-21	9-17-2021	Approving BAC recommendation declaring Nationwide Printers as single calculated and responsive quotation for the supply and delivery of MAWAD 2022 calendars
023-21	9-17-2021	Approving BAC recommendation declaring Casipit Construction and supply as the single calculated and responsive quotation for the drilling of one (1) exploratory well at Brgy. Guesang
024-21	9-17-2021	Approving BAC recommendation declaring Walben Trading as the lowest Calculated and Responsive quotation for the supply and delivery of brass adaptor 3/4" CTS and brass ball valve with lockwing 3/4"
025-21	9-30-2021	Authorizing the GM to enter into Memorandum of Agreement with the PAG-Ibig for the enrolment of the MAWAD in their PAG-Ibig virtual form and to designate employee/s to certify and confirm loans
026-21	9-30-2021	Approving BAC recommendation declaring AMECOS as the Single Calculated and responsive quotation for the supply and delivery of magnetic shield box 1/2"
027-21	10-29-2021	Approving the adoption of the PBI in the MAWAD Board of Directors, allocating funds thereof and authorizing its release in accordance with LWUA Memo No. 006-16
028-21	10-29-2021	Approving the giving of one lechon as birthday gift to the Municipal Mayor
029-21	10-29-2021	Approving the request of the Brgy. Council of Tebag to take charge of the security of the MAWAD pumping station at Tebag with a compensation fee of P2,000.00/month
030-21	11-12-2021	Approving the Renewal of six casual employees
031-21	11-12-2021	Approving the creation of MAWAD disposal committee
032-21	11-12-2021	Approving the Budget for Operating Revenue and expenses for CY 2022

cont...

Board Resolution No.	Date	TITLE
033-21	11-12-2021	Authorizing the GM to designate the MAWAD PBB Focal Persons
034-21	12-17-2021	Approving the grant of special cash award to MAWAD employees for receiving the 1st runner up in the 2021 FOI Awards under the FOI Champion for Local Water Districts category given on Nov. 25, 2021 at Radisson Blu Hotel in Cebu
035-21	12-17-2021	Approving the designation of Ms. Bernadeth Dizon as the new BAC Chair and Ms. Demmee Carbonel as BAC secretary
036-21	12-17-2021	Approving the grant of Christmas gift to MAWAD caretakers in Brgys. Pogo. Bari, Macayug, Osiem, Anolid, Salay old and new pumping stations
037-21	12-28-2021	Approving the grant of Service Recognition Incentive to government employees for fiscal year 2021

Prepared by:


TERRY S. MARTICIO
Executive Assistant A

APPROVED BY:


ENGR. MARCELO M. PETONIO
General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

List of Reports Prepared Regularly by the District

A. Financial Statements

Trial Balance
Balance Sheet
Income Statement
Cash Flow
Financial & Operating Highlights

B. Monthly Data Sheet

C. Bacteriological Test and Physical-Chemical Test

Prepared by:


VIOLETA B. GAYAGA
Division Manager B - Finance

Approved by:


ENGR. MARCELO M. PETONIO
General Manager

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: 5/27/2021 Analyzed: 5/27/2021		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)																	
		<input checked="" type="checkbox"/> Consumer's Tap					<input type="checkbox"/> Water Treatment Plant Outlet					<input checked="" type="checkbox"/> Source of Supply							
		a. Coordinates (DDD°MM' SS.SS")					a. Coordinates (DDD°MM' SS.SS")					a. Coordinates (DDD°MM' SS.SS")							
		Longitude (E)			Latitude (N)		Longitude (E)			Latitude (N)		Longitude (E)			Latitude (N)				
		Deg		Min		Sec		Deg		Min		Sec		Deg		Min		Sec	
		120		24		16.25		16		4		13.76							
		b. Location/Name of Street					b. Name of WTP/location					b. Name of Source							
		Teresita Nato III / Poblacion										P.S. # 1 Poblacion							
		c. Capacity:					c. Capacity:					6 lps							
I. Mandatory Parameters		PNSDW Max. Allowable Level		Constituents Level (mg/L) or Characteristics (Test Results)															
				Consumer's Tap					WTP Outlet					Water Source					
1 . Arsenic (mg/L)		0.01							Mandatory					Mandatory 0.004 Passed					
2 . Cadmium (mg/L)		0.003		Mandatory 0.0005 Passed															
3 . Lead (mg/L)		0.010		Mandatory 0.002 Passed															
4 . Nitrate (mg/L)		50							Mandatory					Mandatory 1.5 Passed					
5 . Color Apparent (CU)		10		Mandatory 5 Passed					Mandatory					Mandatory 10 Passed					
6 . Turbidity (NTU)		5		Mandatory 0.84 Passed															
7 . pH		6.5 - 8.5		Mandatory 8.2 Passed					Mandatory					Mandatory 8.5 Passed					
8 . Total Dissolved Solids (mg/L)		600							Mandatory					Mandatory 187 Passed					
9 . Disinfection Residual (Either of the 2 methods)																			
Residual Chlorine (mg/L)		0.3 - 1.5		Mandatory 0.71 Passed					Mandatory					Mandatory 1.5 Passed					
Chlorine Dioxide (mg/L)		0.2 - 0.4		Mandatory					Mandatory					Mandatory					
II. Additional Parameters (Determined by LDWQMC)																			
III. Action Taken (Please type "Yes" or "No" in appropriate box)																			
a) Are all mandatory parameters tested?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters					<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters					
(If No, indicate parameters not analyzed)																			
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters					<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters					
(If No, indicate non-complying parameters)																			
Over-all evaluation:																			
PASSED PNSDW (Yes/No)				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															
Remarks:				All parameters measured are within the permissible level set by the PNSDW.															
(Please furnish LWUA copies of laboratory Test Results)																			

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

INSTRUCTION: Fill up the light yellow-colored cells.

WATER DISTRICT

FOR THE MONTH	MAY	YEAR	2021
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* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

Form II. Standard Format for Physical and Chemical Test Results

INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT

SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS

FOR THE MONTH MAY YEAR 2020

Date/Time (MM/DD/YYYY)		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)													
Collected:	5/27/2021	<input checked="" type="checkbox"/> Consumer's Tap				<input type="checkbox"/> Water Treatment Plant Outlet				<input checked="" type="checkbox"/> Source of Supply					
Analyzed:	5/27/2021	a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")					
		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)			
		Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec		
											120	24	0.90		
		b. Location/Name of Street				b. Name of WTP/location				b. Name of Source					
		Cecilia Pacamara / Salay PNR Site								P.S. # 3 Salay (Old)					
		c. Capacity:				c. Capacity:				5 lps					
I. Mandatory Parameters		PNSDW Max. Allowable Level		Constituents Level (mg/L) or Characteristics (Test Results)											
				Consumer's Tap				WTP Outlet				Water Source			
1. Arsenic (mg/L)		0.01		Mandatory 0.0005 Passed				Mandatory				Mandatory 0.004 Passed			
2. Cadmium (mg/L)		0.003		Mandatory 0.0005 Passed											
3. Lead (mg/L)		0.010		Mandatory 0.002 Passed											
4. Nitrate (mg/L)		50						Mandatory				Mandatory 1.8 Passed			
5. Color Apparent (CU)		10		Mandatory 10 Passed				Mandatory				Mandatory 10 Passed			
6. Turbidity (NTU)		5		Mandatory 1.05 Passed											
7. pH		6.5 - 8.5		Mandatory 7.68 Passed				Mandatory				Mandatory 8.32 Passed			
8. Total Dissolved Solids (mg/L)		600						Mandatory				Mandatory 246 Passed			
9. Disinfection Residual (Either of the 2 methods)															
Residual Chlorine (mg/L)		0.3 - 1.5		Mandatory 0.89 Passed				Mandatory				Mandatory 1.41 Passed			
Chlorine Dioxide (mg/L)		0.2 - 0.4		Mandatory				Mandatory				Mandatory			
II. Additional Parameters (Determined by LDWQMC)															
III. Action Taken (Please type "Yes" or "No" in appropriate box)															
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
(If No, indicate parameters not analyzed)		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters			
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
(If No, indicate non-complying parameters)		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters			
Over-all evaluation:															
PASSED PNSDW (Yes/No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															
Remarks: All parameters measured are within the permissible level set by the PNSDW.															
(Please furnish LWUA copies of laboratory Test Results)															

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:

General Manager

NOV 17 2021

Date

Form II. Standard Format for Physical and Chemical Test Results
INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
 FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: <u>5/27/2021</u> Analyzed: <u>5/27/2021</u>		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)																		
		* Consumer's Tap						Water Treatment Plant Outlet						* Source of Supply						
		a. Coordinates (DDD°MM' SS.SS")						a. Coordinates (DDD°MM' SS.SS")						a. Coordinates (DDD°MM' SS.SS")						
		Longitude (E)			Latitude (N)			Longitude (E)			Latitude (N)			Longitude (E)			Latitude (N)			
		Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	
														120	23	46.90	16	3	47.00	
		b. Location/Name of Street						b. Name of WTP/location						b. Name of Source						
		<u>Manalo G. Martinez / Guillig</u>												<u>P.S. # 4 Guillig</u>						
		c. Capacity:						c. Capacity:						c. Capacity :						
														<u>20 lps</u>						
I. Mandatory Parameters		PNSDW Max. Allowable Level	Constituents Level (mg/L) or Characteristics (Test Results)																	
			Consumer's Tap						WTP Outlet						Water Source					
1 . Arsenic (mg/L)		0.01							Mandatory						Mandatory 0.004 Passed					
2 . Cadmium (mg/L)		0.003	Mandatory 0.0005 Passed																	
3 . Lead (mg/L)		0.010	Mandatory 0.002 Passed																	
4 . Nitrate (mg/L)		50							Mandatory						Mandatory 2.2 Passed					
5 . Color Apparent (CU)		10	Mandatory 10 Passed						Mandatory						Mandatory 10 Passed					
6 . Turbidity (NTU)		5	Mandatory 0.87 Passed																	
7 . pH		6.5 - 8.5	Mandatory 8.09 Passed						Mandatory						Mandatory 8.09 Passed					
8 . Total Dissolved Solids (mg/L)		600							Mandatory						Mandatory 268 Passed					
9 . Disinfection Residual (Either of the 2 methods)																				
Residual Chlorine (mg/L)		0.3 - 1.5	Mandatory 0.9 Passed						Mandatory						Mandatory 1.38 Passed					
Chlorine Dioxide (mg/L)		0.2 - 0.4	Mandatory						Mandatory						Mandatory					
II. Additional Parameters (Determined by LDWQMC)																				
III. Action Taken (Please type "Yes" or "No" in appropriate box)																				
a) Are all mandatory parameters tested?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____						<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____					
(If No, indicate parameters not analyzed)																				
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____						<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____						<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters _____ _____ _____					
(If No, indicate non-complying parameters)																				
Over-all evaluation:																				
PASSED PNSDW (Yes/No)			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																	
Remarks:			All parameters measured are within the permissible level set by the PNSDW. _____ _____ _____ (Please furnish LWUA copies of laboratory Test Results)																	

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


 General Manager

NOV 17 2021
 Date

Form II. Standard Format for Physical and Chemical Test Results
INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
 FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: <u>5/27/2021</u> Analyzed: <u>5/27/2021</u>		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)											
		* Consumer's Tap				Water Treatment Plant Outlet				* Source of Supply			
		a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")			
		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)	
		Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec
											120	23	40.90
		b. Location/Name of Street				b. Name of WTP/location				b. Name of Source			
		<u>Rivina Mae C. Lacamada / Pogo</u>								<u>P.S. # 5 Pogo</u>			
		c. Capacity:				c. Capacity:				c. Capacity:			
										<u>5 lps</u>			
I. Mandatory Parameters		PNSDW Max. Allowable Level											
		Constituents Level (mg/L) or Characteristics (Test Results)											
		Consumer's Tap				WTP Outlet				Water Source			
1 . Arsenic (mg/L)	0.01					Mandatory				Mandatory	0.004	Passed	
2 . Cadmium (mg/L)	0.003	Mandatory			0.0005	Passed							
3 . Lead (mg/L)	0.010	Mandatory			0.002	Passed							
4 . Nitrate (mg/L)	50					Mandatory				Mandatory	2.7	Passed	
5 . Color Apparent (CU)	10	Mandatory			10	Passed			Mandatory		10	Passed	
6 . Turbidity (NTU)	5	Mandatory			0.73	Passed							
7 . pH	6.5 - 8.5	Mandatory			7.7	Passed			Mandatory		7.55	Passed	
8 . Total Dissolved Solids (mg/L)	600					Mandatory				Mandatory	323	Passed	
9 . Disinfection Residual (Either of the 2 methods)													
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory			0.81	Passed			Mandatory		1.5	Passed	
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory							Mandatory				
II. Additional Parameters (Determined by LDWQMC)													
III. Action Taken (Please type "Yes" or "No" in appropriate box)													
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			
(If No, indicate parameters not analyzed)													
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			
(If No, indicate non-complying parameters)													
Over-all evaluation:													
PASSED PNSDW (Yes/No)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
Remarks:		All parameters measured are within the permissible level set by the PNSDW.											
		(Please furnish LWUA copies of laboratory Test Results)											

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


 General Manager

NOV 17 2021
 Date

Form II. Standard Format for Physical and Chemical Test Results

INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: 5/27/2021 Analyzed: 5/27/2021		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)					
		<input checked="" type="checkbox"/> Consumer's Tap a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec b. Location/Name of Street Rosalinda Mejia / Lanas		<input type="checkbox"/> Water Treatment Plant Outlet a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec b. Name of WTP/location c. Capacity:		<input checked="" type="checkbox"/> Source of Supply a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec b. Name of Source P.S. # 6 Lanas c. Capacity: 2 lps	
I. Mandatory Parameters		PNSDW Max. Allowable Level					
		Constituents Level (mg/L) or Characteristics (Test Results)					
		Consumer's Tap		WTP Outlet		Water Source	
1 . Arsenic (mg/L)	0.01	Mandatory	0.0005	Passed	Mandatory	0.004	Passed
2 . Cadmium (mg/L)	0.003	Mandatory	0.0002	Passed			
3 . Lead (mg/L)	0.010	Mandatory	0.002	Passed			
4 . Nitrate (mg/L)	50				Mandatory	2.4	Passed
5 . Color Apparent (CU)	10	Mandatory	10	Passed	Mandatory	10	Passed
6 . Turbidity (NTU)	5	Mandatory	0.69	Passed			
7 . pH	6.5 - 8.5	Mandatory	7.68	Passed	Mandatory	8.25	Passed
8 . Total Dissolved Solids (mg/L)	600				Mandatory	237	Passed
9 . Disinfection Residual (Either of the 2 methods)							
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory	0.76	Passed	Mandatory	1.5	Passed
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory			Mandatory		
II. Additional Parameters (Determined by LDWQMC)							
III. Action Taken (Please type "Yes" or "No" in appropriate box)							
a) Are all mandatory parameters tested? (If No, indicate parameters not analyzed)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters	
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards? (If No, indicate non-complying parameters)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters Re-test with the Color Apparent (CU) parameter was done on Nov. 4, 2021.	
Over-all evaluation:							
PASSED PNSDW (Yes/No)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Remarks:		All parameters measured are within the permissible level set by the PNSDW.					
(Please furnish LWUA copies of laboratory Test Results)							

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN

WATER DISTRICT

SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS


FOR THE MONTH MAY

YEAR 2021

Date/Time (MM/DD/YYYY)		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)												
Collected:	5/27/2021	*	Consumer's Tap				<input type="checkbox"/> Water Treatment Plant Outlet a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div>				<input type="checkbox"/> Source of Supply a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">120</div> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">24</div> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">55.70</div> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">16</div> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">2</div> <div style="border: 1px solid black; width: 30px; height: 20px; text-align: center;">33.65</div> </div>			
Analyzed:	5/27/2021	b. Location/Name of Street Erlina Real / Brgy. Amansabina				b. Name of WTP/location				b. Name of Source P.S. # 7 Amansabina				
		c. Capacity:				c. Capacity:				30 lps				
I. Mandatory Parameters		Constituents Level (mg/L) or Characteristics (Test Results)												
PNSDW Max. Allowable Level		Consumer's Tap				WTP Outlet				Water Source				
1 . Arsenic (mg/L)	0.01					Mandatory				Mandatory	0.004	Passed		
2 . Cadmium (mg/L)	0.003	Mandatory		0.0005	Passed									
3 . Lead (mg/L)	0.010	Mandatory		0.002	Passed									
4 . Nitrate (mg/L)	50					Mandatory				Mandatory	2.7	Passed		
5 . Color Apparent (CU)	10	Mandatory		10	Passed	Mandatory				Mandatory	10	Passed		
6 . Turbidity (NTU)	5	Mandatory		0.83	Passed									
7 . pH	6.5 - 8.5	Mandatory		7.77	Passed	Mandatory				Mandatory	7.77	Passed		
8 . Total Dissolved Solids (mg/L)	600					Mandatory				Mandatory	352	Passed		
9 . Disinfection Residual (Either of the 2 methods)														
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory		0.8	Passed	Mandatory				Mandatory	1.34	Passed		
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory				Mandatory				Mandatory				
II. Additional Parameters (Determined by LDWQMC)														
III. Action Taken (Please type "Yes" or "No" in appropriate box)														
a) Are all mandatory parameters tested? (If No, indicate parameters not analyzed)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards? (If No, indicate non-complying parameters)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				
Over-all evaluation: PASSED PNSDW (Yes/No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														
Remarks: All parameters measured are within the permissible level set by the PNSDW.														
(Please furnish LWUA copies of laboratory Test Results)														

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

Form II. Standard Format for Physical and Chemical Test Results
INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
 FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: <u>5/27/2021</u> Analyzed: <u>5/27/2021</u>		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)								
		<input checked="" type="checkbox"/> Consumer's Tap a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> b. Location/Name of Street <u>Joel C. Baldemor / Guiguilonen</u>			<input type="checkbox"/> Water Treatment Plant Outlet a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> b. Name of WTP/location <div style="border: 1px solid black; width: 100%; height: 20px; margin: 2px;"></div> c. Capacity: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>			<input checked="" type="checkbox"/> Source of Supply a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px; text-align: center;">120 24 38.50</div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px; text-align: center;">16 4 21.10</div> b. Name of Source <u>P.S. # 8 Guiguilonen</u> c. Capacity: <u>20 lps</u>		
I. Mandatory Parameters	PNSDW Max. Allowable Level	Constituents Level (mg/L) or Characteristics (Test Results)								
		Consumer's Tap		WTP Outlet		Water Source				
1. Arsenic (mg/L)	0.01			Mandatory		Mandatory	0.004 Passed			
2. Cadmium (mg/L)	0.003	Mandatory	0.0005 Passed							
3. Lead (mg/L)	0.010	Mandatory	0.002 Passed							
4. Nitrate (mg/L)	50			Mandatory		Mandatory	2 Passed			
5. Color Apparent (CU)	10	Mandatory	10 Passed	Mandatory		Mandatory	10 Passed			
6. Turbidity (NTU)	5	Mandatory	0.88 Passed							
7. pH	6.5 - 8.5	Mandatory	7.99 Passed	Mandatory		Mandatory	8.22 Passed			
8. Total Dissolved Solids (mg/L)	600			Mandatory		Mandatory	266 Passed			
9. Disinfection Residual (Either of the 2 methods)										
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory	0.76 Passed	Mandatory		Mandatory	1.48 Passed			
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory		Mandatory		Mandatory				
II. Additional Parameters (Determined by LDWQMC)										
III. Action Taken (Please type "Yes" or "No" in appropriate box)										
a) Are all mandatory parameters tested? (If No, indicate parameters not analyzed)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards? (If No, indicate non-complying parameters)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				
Over-all evaluation:										
PASSED PNSDW (Yes/No)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No								
Remarks: <u>All parameters measured are within the permissible level set by the PNSDW.</u>										
(Please furnish LWUA copies of laboratory Test Results)										

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


 General Manager

NOV 17 2021
 Date

Form II. Standard Format for Physical and Chemical Test Results

INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN

WATER DISTRICT

SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS

FOR THE MONTH

MAY

YEAR

2021

Date/Time (MM/DD/YYYY)		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)											
Collected:	5/27/2021	<input checked="" type="checkbox"/> Consumer's Tap a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			<input type="checkbox"/> Water Treatment Plant Outlet a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			<input checked="" type="checkbox"/> Source of Supply a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>					
Analyzed:	5/27/2021	b. Location/Name of Street Maria Charisse P. Limbos / Bari			b. Name of WTP/location 			b. Name of Source P.S. # 9 Bari					
		c. Capacity:			c. Capacity:			10					
I. Mandatory Parameters		PNSDW Max. Allowable Level		Constituents Level (mg/L) or Characteristics (Test Results)									
				Consumer's Tap			WTP Outlet			Water Source			
1 . Arsenic (mg/L)	0.01	Mandatory	0.0005	Passed	Mandatory		Mandatory	0.004	Passed				
2 . Cadmium (mg/L)	0.003	Mandatory	0.002	Passed									
3 . Lead (mg/L)	0.010	Mandatory											
4 . Nitrate (mg/L)	50				Mandatory		Mandatory	2.9	Passed				
5 . Color Apparent (CU)	10	Mandatory	10	Passed	Mandatory		Mandatory	10	Passed				
6 . Turbidity (NTU)	5	Mandatory	1.02	Passed									
7 . pH	6.5 - 8.5	Mandatory	7.93	Passed	Mandatory		Mandatory	8.13	Passed				
8 . Total Dissolved Solids (mg/L)	600				Mandatory		Mandatory	371	Passed				
9 . Disinfection Residual (Either of the 2 methods)													
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory	0.61	Passed	Mandatory		Mandatory	1.33	Passed				
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory			Mandatory		Mandatory						
II. Additional Parameters (Determined by LDWQMC)													
III. Action Taken (Please type "Yes" or "No" in appropriate box)													
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters					
(If No, indicate parameters not analyzed)													
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters Re-test with the Color Apparent (CU) parameter was done on Nov. 4, 2021.					
(If No, indicate non-complying parameters)													
Over-all evaluation:													
PASSED PNSDW (Yes/No)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											
Remarks:		All parameters measured are within the permissible level set by the PNSDW.											
(Please furnish LWUA copies of laboratory Test Results)													

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

Form II. Standard Format for Physical and Chemical Test Results
INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
 FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: <u>5/27/2021</u> Analyzed: <u>5/27/2021</u>		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)											
		<input checked="" type="checkbox"/> Consumer's Tap a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> b. Location/Name of Street <u>Ediliza A. Diamante / Salay (New)</u>				<input type="checkbox"/> Water Treatment Plant Outlet a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> b. Name of WTP/location <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> c. Capacity: <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>				<input checked="" type="checkbox"/> Source of Supply a. Coordinates (DDD°MM' SS.SS") Longitude (E) Latitude (N) Deg Min Sec Deg Min Sec <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px; text-align: center;">120 23 50.90</div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px; text-align: center;">16 4 58.20</div> b. Name of Source <u>P.S. # 10 Salay (New)</u> c. Capacity: <u>30 lps</u>			
I. Mandatory Parameters		Constituents Level (mg/L) or Characteristics (Test Results)											
PNSDW Max. Allowable Level		Consumer's Tap				WTP Outlet				Water Source			
1. Arsenic (mg/L)	0.01	Mandatory	0.0005	Passed	Mandatory				Mandatory	0.004	Passed		
2. Cadmium (mg/L)	0.003	Mandatory											
3. Lead (mg/L)	0.010	Mandatory	0.002	Passed									
4. Nitrate (mg/L)	50				Mandatory				Mandatory	1.9	Passed		
5. Color Apparent (CU)	10	Mandatory	10	Passed	Mandatory				Mandatory	10	Passed		
6. Turbidity (NTU)	5	Mandatory	0.74	Passed									
7. pH	6.5 - 8.5	Mandatory	7.87	Passed	Mandatory				Mandatory	7.76	Passed		
8. Total Dissolved Solids (mg/L)	600				Mandatory				Mandatory	304	Passed		
9. Disinfection Residual (Either of the 2 methods)													
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory	0.56	Passed	Mandatory				Mandatory	1.12	Passed		
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory			Mandatory				Mandatory				
II. Additional Parameters (Determined by LDWQMC)													
III. Action Taken (Please type "Yes" or "No" in appropriate box)													
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			
(If No, indicate parameters not analyzed)		<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>				<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>				<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>			
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input type="checkbox"/> Yes <input type="checkbox"/> No Parameters				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Parameters			
(If No, indicate non-complying parameters)		<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>				<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>				<div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div>			
Over-all evaluation: PASSED PNSDW (Yes/No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Remarks: <u>All parameters measured are within the permissible level set by the PNSDW.</u> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 2px;"></div> <p style="text-align: center;">(Please furnish LWUA copies of laboratory Test Results)</p>													

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


 General Manager

NOV 17 2021
 Date

Form II. Standard Format for Physical and Chemical Test Results
INSTRUCTION: Fill up the light yellow-colored cells.

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
 FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: <u>5/27/2021</u> Analyzed: <u>5/27/2021</u>		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)											
		<input checked="" type="checkbox"/> Consumer's Tap				<input type="checkbox"/> Water Treatment Plant Outlet				<input checked="" type="checkbox"/> Source of Supply			
		a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")			
		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)	
		Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec
		b. Location/Name of Street				b. Name of WTP/location				b. Name of Source			
		Carlos B. Gabriel / Macayug								P.S. # 11 Macayug			
						c. Capacity:				c. Capacity :			
										16 lps			
I. Mandatory Parameters		PNSDW Max. Allowable Level		Constituents Level (mg/L) or Characteristics (Test Results)									
				Consumer's Tap			WTP Outlet			Water Source			
1 . Arsenic (mg/L)	0.01	Mandatory	0.0005	Passed		Mandatory			Mandatory	0.004	Passed		
2 . Cadmium (mg/L)	0.003	Mandatory											
3 . Lead (mg/L)	0.010	Mandatory	0.002	Passed									
4 . Nitrate (mg/L)	50					Mandatory			Mandatory	1.7	Passed		
5 . Color Apparent (CU)	10	Mandatory	10	Passed		Mandatory			Mandatory	10	Passed		
6 . Turbidity (NTU)	5	Mandatory	0.89	Passed									
7 . pH	6.5 - 8.5	Mandatory	7.86	Passed		Mandatory			Mandatory	8.02	Passed		
8 . Total Dissolved Solids (mg/L)	600					Mandatory			Mandatory	264	Passed		
9 . Disinfection Residual (Either of the 2 methods)													
Residual Chlorine (mg/L)	0.3 - 1.5	Mandatory	0.77	Passed		Mandatory			Mandatory	1.31	Passed		
Chlorine Dioxide (mg/L)	0.2 - 0.4	Mandatory				Mandatory			Mandatory				
II. Additional Parameters (Determined by LDWQMC)													
III. Action Taken (Please type "Yes" or "No" in appropriate box)													
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
(If No, indicate parameters not analyzed)		Parameters			Parameters			Parameters					
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input type="checkbox"/> Yes <input type="checkbox"/> No			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
(If No, indicate non-complying parameters)		Parameters			Parameters			Parameters					
Over-all evaluation:													
PASSED PNSDW (Yes/No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
Remarks: All parameters measured are within the permissible level set by the PNSDW.													
(Please furnish LWUA copies of laboratory Test Results)													

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


 General Manager

NOV 17 2021
 Date

BRIEF A. Form # Standard Form #

Form II Standard Format for Physical and Chemical Test Results

WATER DISTRICT

FOR THE MONTH	MAY	YEAR	2021
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MAY

2021

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.


General Manager

NOV 17 2021
Date

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON PHYSICAL AND CHEMICAL ANALYSIS
FOR THE MONTH MAY YEAR 2021

Date/Time (MM/DD/YYYY) Collected: 5/27/2021 Analyzed: 5/27/2021		SAMPLING LOCATION * (type asterisk * inside the box of the sampling location)													
		<input checked="" type="checkbox"/> Consumer's Tap				<input type="checkbox"/> Water Treatment Plant Outlet				<input checked="" type="checkbox"/> Source of Supply					
		a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")				a. Coordinates (DDD°MM' SS.SS")					
		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)		Longitude (E)		Latitude (N)			
		Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec	Deg	Min	Sec		
											120	25	29.90		
		b. Location/Name of Street				b. Name of WTP/location				b. Name of Source					
		Edeliza S. Surat / Oslem								P.S. # 13 Oslem					
		c. Capacity:				c. Capacity:				16 lps					
I. Mandatory Parameters		PNSDW Max. Allowable Level		Constituents Level (mg/L) or Characteristics (Test Results)											
				Consumer's Tap				WTP Outlet				Water Source			
1. Arsenic (mg/L)		0.01						Mandatory				Mandatory 0.004 Passed			
2. Cadmium (mg/L)		0.003		Mandatory 0.0005 Passed											
3. Lead (mg/L)		0.010		Mandatory 0.002 Passed											
4. Nitrate (mg/L)		50						Mandatory				Mandatory 2.5 Passed			
5. Color Apparent (CU)		10		Mandatory 10 Passed				Mandatory				Mandatory 10 Passed			
6. Turbidity (NTU)		5		Mandatory 0.96 Passed											
7. pH		6.5 - 8.5		Mandatory 8.02 Passed				Mandatory				Mandatory 7.71 Passed			
8. Total Dissolved Solids (mg/L)		600						Mandatory				Mandatory 323 Passed			
9. Disinfection Residual (Either of the 2 methods)															
Residual Chlorine (mg/L)		0.3 - 1.5		Mandatory 0.77 Passed				Mandatory				Mandatory 1.5 Passed			
Chlorine Dioxide (mg/L)		0.2 - 0.4		Mandatory				Mandatory				Mandatory			
II. Additional Parameters (Determined by LDWQ/MC)															
III. Action Taken (Please type "Yes" or "No" in appropriate box)															
a) Are all mandatory parameters tested?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
(If No, indicate parameters not analyzed)		Parameters				Parameters				Parameters					
b) Are tested primary and secondary parameters in compliance with the PNSDW Standards?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
(If No, indicate non-complying parameters)		Parameters				Parameters				Parameters					
Over-all evaluation:															
PASSED PNSDW (Yes/No)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
Remarks:		All parameters measured are within the permissible level set by the PNSDW.													
		(Please furnish LWUA copies of laboratory Test Results)													

* Refer to the attached table for frequency of sampling, minimum number of samples and sampling location for mandatory parameters.

Submitted by:


General Manager

NOV 17 2021
Date

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN	WATER DISTRICT
Province: Pangasinan	
SUMMARY REPORT ON MICROBIOLOGICAL TEST	
MONTH OF January	20 21

1 . Population actually served by utility:

(No. of service connections x ave. no. of

persons per service connection (5 persons per household)

70,765

No. of service connections

14,153

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli

17 samples

2.b For Heterotrophic Plate Count

17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.

0.0%

(4.2.a/3.a x 100)

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

- a . Number of samples showing presence of coliform.
- b . Percent (%) to total number of samples examined.
(4.3.a/3.a x 100)
- c . Met Standards? ☐ Yes ☒ No No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

0
0.0%

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presenvce of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes Yes ☐ No No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes Yes ☐ No No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes Yes ☐ No No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%
17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes Yes ☐ No No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0
0


5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☒ Yes Yes ☐ No No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0
0

NOTE: **FOR MICROBIOLOGICAL RESULTS:**
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:


Eng. Marcelo M. Petonio
General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDANWATER DISTRICT

Province: PANGASINAN

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF FEBRUARY2021

1 . Population actually served by utility:
(No. of service connections x ave. no. of
persons per service connection (5 persons per household)

70,970

No. of service connections

14,194

2 . Required minimum number of samples based on the table below:

2.aFor Total Coliform & Thermotolerant Coliform/E.Coli17 samples

2.bFor Heterotrophic Plate Count17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

YesYesNo

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.
(4.2.a/3.a x 100)

0.0%

c . Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.
(4.3.a/3.a x 100)

0.0%

c . Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes ☐ No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes ☐ No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%
17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0
0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☐ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE: FOR MICROBIOLOGICAL RESULTS:
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO
General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN WATER DISTRICT
Province: PANGASINAN
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF MARCH 20 21

1 . Population actually served by utility:

(No. of service connections x ave. no. of

persons per service connection (5 persons per household)

71,240

No. of service connections

14,248

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli

17 samples

2.b For Heterotrophic Plate Count

17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.

0.0%

(4.2.a/3.a x 100)

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.

0.0%

(4.3.a/3.a x 100)

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

- b . Percent (%) to total number of samples analyzed

0.0%

- c . Met Standards? ☒ Yes ☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)? ☒ Yes ☐ No

- b . No. of samples showing HPC value < 500 CFU/ml.

17

- c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

- d . Met Standards? ☒ Yes ☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

0

- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

- c . Met Standards? ☒ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

- c . Met Standards? ☐ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN

WATER DISTRICT

Province: PANGASINAN

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF APRIL 20 21

1 . Population actually served by utility:
(No. of service connections x ave. no. of
persons per service connection (5 persons per household)

71,550

No. of service connections

14,310

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli
2.b For Heterotrophic Plate Count

17 samples
17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.
b . Percent (%) to the minimum required.
c . Met Standards?

17
100.0%

☒ Yes ☐ No
("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.
b . Percent (%) to samples examined (4.1.a/3.a x 100).
c . Met Standards?

0
0.0%

☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.
b . Percent (%) to the number of samples analyzed.

0
0.0%

(4.2.a/3.a x 100)
c . Met Standards?

☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.
b . Percent (%) to total number of samples examined.

0
0.0%

(4.3.a/3.a x 100)
c . Met Standards?

☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

- b . Percent (%) to total number of samples analyzed

0.0%

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)?

☒ Yes

Yes

☐ No

- b . No. of samples showing HPC value < 500 CFU/ml.

17

- c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

- d . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

0

- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

- c . Met Standards?

☐ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDANWATER DISTRICT

Province: PANGASINAN

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF MAY2021

1 . Population actually served by utility:
(No. of service connections x ave. no. of
persons per service connection (5 persons per household))

71,860

No. of service connections

14,372

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli17 samples

2.b For Heterotrophic Plate Count17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.
(4.2.a/3.a x 100)

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.
(4.3.a/3.a x 100)

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes ☐ No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes ☐ No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%
17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0
0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☐ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDANWATER DISTRICT

Province: PANGASINAN

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF JUNE2021

1. Population actually served by utility:

(No. of service connections x ave. no. of persons per service connection (5 persons per household))

72,095

No. of service connections

14,419

2. Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli17 samples

2.b For Heterotrophic Plate Count17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps

Note: Collection of samples should be spread out within a month

3. Sample Requirement

a. No. of samples examined.17

b. Percent (%) to the minimum required.100.0%

c. Met Standards?

YesYesNo

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4. Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group.0

b. Percent (%) to samples examined (4.1.a/3.a x 100).0.0%

c. Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies.0

b. Percent (%) to the number of samples analyzed.(4.2.a/3.a x 100)0.0%

c. Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform.0

b. Percent (%) to total number of samples examined.(4.3.a/3.a x 100)0.0%

c. Met Standards?

YesYesNo

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes ☐ No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes ☐ No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%
17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

0
0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☐ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE: FOR MICROBIOLOGICAL RESULTS:
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:


ENGR. MARCELO M. PETONIO
General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN	WATER DISTRICT
Province: PANGASINAN	
SUMMARY REPORT ON MICROBIOLOGICAL TEST	
MONTH OF JULY	20 21

1 . Population actually served by utility:

(No. of service connections x ave. no. of persons per service connection (5 persons per household))

72,450

No. of service connections

14,490

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli

17 samples

2.b For Heterotrophic Plate Count

17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.

0.0%

(4.2.a/3.a x 100)

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.

0.0%

(4.3.a/3.a x 100)

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

b . Percent (%) to total number of samples analyzed

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)?

Yes

Yes

No

b . No. of samples showing HPC value < 500 CFU/ml.

17

c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

d . Met Standards?

Yes

Yes

No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

a . No. of days without a test conducted

0

b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

c . Met Standards?

Yes

Yes

No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

a . No. of days without a test conducted

b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

c . Met Standards?

Yes

No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN	WATER DISTRICT
Province: PANGASINAN	
SUMMARY REPORT ON MICROBIOLOGICAL TEST	
MONTH OF AUGUST	20 21

1 . Population actually served by utility:

(No. of service connections x ave. no. of

persons per service connection (5 persons per household)

72,650

No. of service connections

14,530

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli

17 samples

2.b For Heterotrophic Plate Count

17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.

0.0%

(4.2.a/3.a x 100)

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.

0.0%

(4.3.a/3.a x 100)

c . Met Standards?

Yes

Yes

No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes ☐ No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes ☐ No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%

17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)


0
0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☐ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE: FOR MICROBIOLOGICAL RESULTS:
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:


ENGR. MARCELO M. PETONIO
General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDANWATER DISTRICT

Province: PANGASINAN

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF SEPTEMBER2021

1 . Population actually served by utility:
(No. of service connections x ave. no. of persons per service connection (5 persons per household))

72,880

No. of service connections

14,576

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli17 samples

2.b For Heterotrophic Plate Count17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps

Note: Collection of samples should be spread out within a month

3 . Sample Requirement

a . No. of samples examined.

b . Percent (%) to the minimum required.

c . Met Standards? Yes Yes No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

17

100.0%

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

b . Percent (%) to samples examined (4.1.a/3.a x 100).

c . Met Standards? Yes Yes No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

0

0.0%

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

b . Percent (%) to the number of samples analyzed.
(4.2.a/3.a x 100)

c . Met Standards? Yes Yes No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

0

0.0%

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

b . Percent (%) to total number of samples examined.
(4.3.a/3.a x 100)

c . Met Standards? Yes Yes No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

0

0.0%

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

- b . Percent (%) to total number of samples analyzed

0.0%

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)?

☒ Yes

Yes

☐ No

- b . No. of samples showing HPC value < 500 CFU/ml.

17

- c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

- d . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

0

- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

- c . Met Standards?

☐ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIG

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN WATER DISTRICT
Province: PANGASINAN
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF OCTOBER 20 21

1 . Population actually served by utility:
(No. of service connections x ave. no. of persons per service connection (5 persons per household) 72,965

No. of service connections 14,593

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli 17 samples
2.b For Heterotrophic Plate Count 17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined. 17
b . Percent (%) to the minimum required. 100.0%
c . Met Standards? ☒ Yes ☐ No
("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group. 0
b . Percent (%) to samples examined (4.1.a/3.a x 100). 0.0%
c . Met Standards? ☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies. 0
b . Percent (%) to the number of samples analyzed. 0.0%
(4.2.a/3.a x 100)
c . Met Standards? ☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform. 0
b . Percent (%) to total number of samples examined. 0.0%
(4.3.a/3.a x 100)
c . Met Standards? ☒ Yes ☐ No
("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

- b . Percent (%) to total number of samples analyzed

0.0%

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)?

☒ Yes

Yes

☐ No

- b . No. of samples showing HPC value < 500 CFU/ml.

17

- c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

- d . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

0

- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

- c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

- c . Met Standards?

☐ Yes

Yes

☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN	WATER DISTRICT
Province: PANGASINAN	
SUMMARY REPORT ON MICROBIOLOGICAL TEST	
MONTH OF NOVEMBER	20 21

1 . Population actually served by utility:
 (No. of service connections x ave. no. of persons per service connection (5 persons per household))

73,135

No. of service connections 14,627

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli 17 samples

2.b For Heterotrophic Plate Count 17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps

Note: Collection of samples should be spread out within a month

3 . Sample Requirement

a . No. of samples examined. 17

b . Percent (%) to the minimum required. 100.0%

c . Met Standards? ☒ Yes ☐ No
 ("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group. 0

b . Percent (%) to samples examined (4.1.a/3.a x 100). 0.0%

c . Met Standards? ☒ Yes ☐ No
 ("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies. 0

b . Percent (%) to the number of samples analyzed. 0.0%
 (4.2.a/3.a x 100)

c . Met Standards? ☒ Yes ☐ No
 ("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform. 0

b . Percent (%) to total number of samples examined. 0.0%
 (4.3.a/3.a x 100)

c . Met Standards? ☒ Yes ☐ No
 ("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

0

- b . Percent (%) to total number of samples analyzed

0.0%

- c . Met Standards? ☒ Yes ☐ No

("Yes" if a is zero. "No" if a is not equal to zero.)

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

17

Percent (%) to the minimum required.

100.0%

Met Standards (no. of samples)? ☒ Yes ☐ No

- b . No. of samples showing HPC value < 500 CFU/ml.

17

- c . Percent (%) to number of tests conducted (b/a x 100).

100.0%

- d . Met Standards? ☒ Yes ☐ No

("Yes" if c is 100%. "No" if c is not 100%.)

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

0

- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L

0

- c . Met Standards? ☒ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L

- c . Met Standards? ☐ Yes ☐ No

("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE:

FOR MICROBIOLOGICAL RESULTS:

If number of samples is 20 or less, please attach laboratory test results with this summary form.

If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

MANGALDAN WATER DISTRICT
Province: PANGASINAN
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF DECEMBER 20 21

1 . Population actually served by utility:

(No. of service connections x ave. no. of

persons per service connection (5 persons per household)

73,260

No. of service connections

14,652

2 . Required minimum number of samples based on the table below:

2.a For Total Coliform & Thermotolerant Coliform/E.Coli

17 samples

2.b For Heterotrophic Plate Count

17 samples

Population Served	Minimum Frequency of Sampling for Total Coliform and Thermotolerant Coliform/E. coli	Minimum Frequency of Sampling for Heterotrophic Plate Count (HPC)	Point of Compliance
Less than 5,000	2 samples monthly	2 samples monthly	Consumers' taps
5,000 - 100,000	1 sample per 5,000 population + 2 additional samples monthly	1 sample per 5,000 population + 2 additional samples monthly	Consumers' taps
More than 100,000	1 sample per 10,000 population + 12 additional samples monthly	Required at least 40% of the sampling points	Consumers' taps
Note: Collection of samples should be spread out within a month			

3 . Sample Requirement

a . No. of samples examined.

17

b . Percent (%) to the minimum required.

100.0%

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 100% or more. "No" if b is less than 100%.)

4 . Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a . Number of samples showing presence of coliform group.

0

b . Percent (%) to samples examined (4.1.a/3.a x 100).

0.0%

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.2 Membrane Filter Technique (MFT)

a . Number of samples showing presence of coliform colonies.

0

b . Percent (%) to the number of samples analyzed.

0.0%

(4.2.a/3.a x 100)

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

4.3 Enzyme Substrate Coliform Test (EST)

a . Number of samples showing presence of coliform.

0

b . Percent (%) to total number of samples examined.

0.0%

(4.3.a/3.a x 100)

c . Met Standards?

☒ Yes

Yes

☐ No

("Yes" if b is 5% or less. "No" if b is more than 5%.)

B. Thermotolerant Coliform/ E. coli

- a . Number of samples showing presence of thermotolerant coliform/E. coli organisms.
MTFT: MPN/100 ml value of < 1.1
EST: Absent or < 1 MPN/100 ml
MFT: < 1 thermotolerant coliform colonies/100ml.
- b . Percent (%) to total number of samples analyzed
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a is zero. "No" if a is not equal to zero.)

0
0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.
Percent (%) to the minimum required.
Met Standards (no. of samples)? ☒ Yes ☐ No
- b . No. of samples showing HPC value < 500 CFU/ml.
- c . Percent (%) to number of tests conducted (b/a x 100).
- d . Met Standards? ☒ Yes ☐ No
("Yes" if c is 100%. "No" if c is not 100%.)

17
100.0%
17
100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine <0.3 or >1.5 mg/L
- c . Met Standards? ☒ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)


0
0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted
- b . No. of samples with residual chlorine dioxide <0.2 or >0.4 mg/L
- c . Met Standards? ☐ Yes ☐ No
("Yes" if a and b are both zero. "No" if either a or b, or both a and b are not zero.)

NOTE: FOR MICROBIOLOGICAL RESULTS:
If number of samples is 20 or less, please attach laboratory test results with this summary form.
If number of samples is more than 20, only the summary form is required even without accompanying laboratory test results.

SUBMITTED BY:


ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

STATEMENT OF FINANCIAL POSITION
as of December 31, 2021
(with comparative figures for 2020)

RES 7 - AUDIT TEAM 5
COMPTROLLER

DATE: 01/26/2022

OFF
JAN FUEL SMOKE

	Note	2021	2020
ASSETS			
Cash and Cash Equivalents	4		
<i>Cash on Hand</i>			
Cash-Collecting Officers		35,091.95	-
Petty Cash Fund		5,000.00	5,000.00
<i>Cash in Bank - Local Currency</i>			
Cash in Bank - Local Currency, CA, DBP		77,839,945.48	70,397,798.68
Cash in Bank - Local Currency, CA, Landbank-EBCS		1,224,682.70	1,022,753.80
<i>Cash Equivalents</i>			
Time Deposit-Local Currency, CD-DBP		3,798,617.50	3,774,618.45
Time Deposit-Local Currency, LB-MSF		8,620,325.83	6,591,870.34
Total Cash and Cash Equivalents		<u>91,523,663.46</u>	<u>81,792,041.27</u>
Investments	5		
<i>Sinking Fund</i>			
Sinking Fund		11,587,338.81	11,041,638.48
Total Investments		<u>11,587,338.81</u>	<u>11,041,638.48</u>
Receivables	6		
<i>Loans and Receivables Accounts</i>			
Accounts Receivable		3,359,711.03	2,935,883.30
Allowance for Impairment-Accounts Receivable		(158,401.98)	(134,850.58)
Accounts Receivable - Net		<u>3,201,309.05</u>	<u>2,801,032.72</u>
<i>Other Receivables</i>			
Other Receivables		216,500.00	190,000.00
Total Receivables		<u>3,417,809.05</u>	<u>2,991,032.72</u>
Inventories	7		
<i>Inventory Held for Sale</i>			
Construction Materials Inventory		1,598,852.36	948,675.53
<i>Inventory Held for Consumption</i>			
Office Supplies Inventory		61,836.82	83,105.88
Accountable Forms Inventory		759,304.81	474,264.73
Fuel, Oil, and Lubricants Inventory		28,288.65	41,181.15
Chemical and Filtering Supplies Inventory		76,050.00	57,765.00
Construction Materials Inventory		459,650.93	492,573.57
Other Supplies and Materials Inventory		-	-
<i>Semi-Expendable Machinery and Equipment</i>			
Semi-Expendable Office Equipment		112,595.00	59,484.00
Semi-Expendable ICT Equipment		68,820.00	54,190.00
<i>Semi-Expendable Furniture and Fixtures</i>			
Semi-Expendable Furniture and Fixtures		108,187.65	68,653.65
Total Inventories		<u>3,273,586.22</u>	<u>2,279,893.51</u>
Property, Plant, and Equipment	8		
<i>Land</i>			
Land, Net		3,268,735.00	3,268,735.00
Land		<u>3,268,735.00</u>	<u>3,268,735.00</u>
Accumulated Impairment Losses - Land		-	-
<i>Land Improvements</i>			
Land Improvements, Net		77,678.64	92,787.79
Land Improvements		<u>178,435.00</u>	<u>173,435.00</u>
Accumulated Depreciation - Land Improvements		100,756.36	80,647.21
Accumulated Impairment Losses - Land Improvements		-	-
<i>Infrastructure Assets</i>			
Water Supply Systems, Net		52,865,247.97	45,736,648.68
Water Supply Systems		<u>81,785,154.63</u>	<u>68,621,822.64</u>
Accumulated Depreciation - Water Supply Systems		28,919,906.66	22,885,173.96
Accumulated Impairment Losses - Water Supply Systems		-	-
Power Supply Systems, Net		1,995,697.60	1,756,856.92
Power Supply Systems		<u>4,264,943.71</u>	<u>2,669,383.47</u>
Accumulated Depreciation - Power Supply Systems		2,269,246.11	912,526.55
Accumulated Impairment Losses - Power Supply Systems		-	-



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

STATEMENT OF FINANCIAL POSITION
as of December 31, 2021
(with comparative figures for 2020)

	Note	2021	2020
<i>Building & Other Structures</i>			
Buildings, Net		5,811,218.78	5,204,165.40
Buildings		9,892,339.70	8,911,641.12
Accumulated Depreciation - Buildings		4,081,120.92	3,707,475.72
Accumulated Impairment Losses - Buildings		-	-
Other Structures, Net		51,051.64	33,104.73
Other Structures		313,463.60	189,492.60
Accumulated Depreciation - Other Structures		262,411.96	156,387.87
Accumulated Impairment Losses - Other Structures		-	-
<i>Machinery & Equipment</i>			
Office Equipment, Net		426,022.52	279,399.78
Office Equipment		2,130,995.54	481,003.00
Accumulated Depreciation - Office Equipment		1,704,973.02	201,603.22
Accumulated Impairment Losses - Office Equipment		-	-
Information & Communications Tech. Equipment, Net		254,214.23	226,831.86
Information & Communications Tech. Equipment		974,024.94	333,238.00
Accumulated Depreciation - ICT Equipment		719,810.71	106,406.14
Accumulated Impairment Losses - ICT Equipment		-	-
Communications Equipment, Net		9,089.58	-
Communications Equipment		189,045.75	-
Accumulated Depreciation - Communications Equip.		179,956.17	-
Accumulated Impairment Losses - Communications Equip.		-	-
Other Machinery and Equipment, Net		1,597,576.09	1,508,537.31
Other Machinery and Equipment		6,398,294.00	2,898,898.00
Accumulated Depreciation - Other Machinery & Equip.		4,800,717.91	1,390,360.69
Accumulated Impairment Losses - Other Machinery & Equip.		-	-
<i>Transportation Equipment</i>			
Transportation Equipment, Net		1,841,732.36	1,988,222.15
Transportation Equipment		4,845,308.67	3,226,927.00
Accumulated Depreciation - Transpo. Equipment		3,003,576.31	1,238,704.85
Accumulated Impairment Losses - Transpo. Equipment		-	-
<i>Furniture, Fixtures, and Books</i>			
Furniture & Fixtures, Net		159,173.85	59,046.01
Furniture & Fixtures		737,405.46	135,812.20
Accumulated Depreciation - Furniture & Fixtures		578,231.61	76,766.19
Accumulated Impairment Losses - Furniture & Fixtures		-	-
Books, Net		70.00	-
Books		3,400.00	-
Accumulated Depreciation - Books		3,330.00	-
Accumulated Impairment Losses - Books		-	-
<i>Other Property, Plant, and Equipment</i>			
Other Property, Plant, and Equipment, Net		3,701,199.45	2,835,855.99
Other Property, Plant, and Equipment		12,882,890.13	4,808,768.00
Accumulated Depreciation - Other PPE		9,181,690.68	1,972,912.01
Accumulated Impairment Losses - Other PPE		-	-
<i>Construction in Progress</i>			
Construction in Progress - Infrastructure Assets		2,875,162.50	2,783,591.20
Total Property, Plant, and Equipment		<u>74,933,870.21</u>	<u>65,773,782.83</u>
Intangible Assets			
<i>Computer Software</i>			
Computer Software, Net		233,815.00	317,155.00
Computer Software		463,000.00	463,000.00
Accumulated Amortization - Computer Software		229,185.00	145,845.00
Accumulated Impairment Losses - Computer Software		-	-
Total Intangible Assets		<u>233,815.00</u>	<u>317,155.00</u>



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

STATEMENT OF FINANCIAL POSITION
as of December 31, 2021
(with comparative figures for 2020)

	Note	2021	2020
Other Assets			
<i>Prepayments</i>			
Prepaid Insurance		245,085.94	21,604.41
<i>Other Assets</i>			
Deferred Charges		-	70,797.17
Other Assets		95,775.10	-
Total Other Assets		<u>340,861.04</u>	<u>92,401.58</u>
TOTAL ASSETS		<u><u>185,310,943.79</u></u>	<u><u>164,287,945.39</u></u>

LIABILITIES AND EQUITY

LIABILITIES

<i>Financial Liabilities</i>	9		
Accounts Payable		6,192,646.76	3,732,959.69
Total Financial Liabilities		<u>6,192,646.76</u>	<u>3,732,959.69</u>
<i>Inter-Agency Payables</i>	10		
Due to BIR		224,982.48	446,408.99
Due to GSIS		388,315.97	217,991.30
Due to Pag-Ibig		37,534.15	39,217.66
Due to PhilHealth		31,406.13	28,558.05
Due to NGAS		253,647.63	248,462.10
Total Inter-Agency Payables		<u>935,886.36</u>	<u>980,638.10</u>
<i>Trust Liabilities</i>	11		
Trust Liabilities		2,056,892.50	1,347,498.50
Customers' Deposits Payable		3,415,946.55	3,410,500.45
Guaranty/Security Deposits Payable		677,109.24	382,555.23
Total Trust Liabilities		<u>6,149,948.29</u>	<u>5,140,554.18</u>
Total Liabilities		<u><u>13,278,481.41</u></u>	<u><u>9,854,151.97</u></u>

EQUITY

<i>Government Equity</i>			
Contributed Capital		615,720.00	615,720.00
<i>Retained Earnings</i>			
Retained Earnings	12	171,416,742.38	153,818,073.42
Total Equity		<u><u>172,032,462.38</u></u>	<u><u>154,433,793.42</u></u>

TOTAL LIABILITIES AND EQUITY		<u><u>185,310,943.79</u></u>	<u><u>164,287,945.39</u></u>
-------------------------------------	--	------------------------------	------------------------------

Prepared By:

AIRA JANE C. PEREZ, CPA
Accounting Processor A

Verified by:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

CGS 7 - A AUDIT TEAM 5
COA REGION 1

RECEIVED

DATE: 01/26/2022

STATEMENT OF COMPREHENSIVE INCOME
for the year ended December 31, 2021
(with comparative figures for 2020)

	Note	2021	2020
REVENUE/INCOME			
<i>Business Income</i>	13		
Waterworks System Fees		62,254,714.33	58,088,930.85
Other Business Income		1,046,409.83	773,970.78
Fines and Penalties		2,680,537.66	1,522,618.50
GROSS INCOME		65,981,661.82	60,385,520.13
Less: EXPENSES			
PERSONNEL SERVICES	14		
<i>Salaries and Wages</i>			
Salaries and Wages - Regular		13,478,748.87	12,645,691.03
Salaries and Wages - Casual/Contractual		389,868.99	1,126,940.25
<i>Other Compensation</i>			
Personnel Economic Relief Allowance		950,481.96	908,612.61
Representation Allowance		307,920.00	301,578.91
Transportation Allowance		282,000.00	283,363.63
Clothing/Uniform Allowance		228,000.00	222,000.00
Honoraria		648,000.00	928,800.00
Overtime Pay		42,392.89	69,183.63
Year-End Bonus		1,175,302.00	1,990,825.80
Cash Gift		200,000.00	179,000.00
Mid-Year Bonus		1,132,085.00	-
Other Bonuses and Allowances		871,000.00	560,000.00
<i>Personnel Benefit Contributions</i>			
Retirement & Life Insurance Contribution		1,660,609.89	1,495,356.07
Pag-ibig Contribution		47,600.00	45,700.00
PhilHealth Contribution		186,490.81	166,471.98
Employees Compensation Insurance Premium (ECC)		47,900.00	45,732.39
<i>Other Personnel Benefits</i>			
Terminal Leave Benefits		460,357.59	416,198.09
TOTAL PERSONNEL SERVICES		22,108,758.00	21,385,454.39
MAINTENANCE AND OTHER OPERATING EXPENSES	15		
<i>Traveling Expenses</i>			
Traveling Expense - Local		6,820.00	59,403.00
<i>Training and Scholarship Expenses</i>			
Training Expense		25,100.00	9,214.60
<i>Supplies and Materials Expenses</i>			
Office Supplies Expense		272,009.08	272,750.18
Accountable Forms Expense		571,684.92	418,226.35
Medical, Dental, and Laboratory Supplies Expense		144,360.00	135,360.00
Fuel, Oil, and Lubricants Expense		723,556.48	564,159.70
Chemical and Filtering Supplies Expense		559,655.00	823,667.50
<i>Utility Expenses</i>			
Water Expense		4,730.50	-
Electricity Expense		15,177,335.13	14,072,251.17
Other Utility Expense		5,223.00	5,362.00
<i>Communication Expenses</i>			
Postage and Courier Expense		7,754.00	6,783.00
Telephone Expense - Landline/Mobile		382,092.54	365,107.16
Internet Subscription Expense		14,300.00	16,159.98
Cable, Satellite, Telegraph, and Radio Expense		5,600.00	5,400.00
<i>Awards/Rewards, Prizes and Indemnities</i>			
Awards/Rewards Expense		35,000.00	50,000.00
<i>Confidential, Intelligence, and Extraordinary Expenses</i>			
Extraordinary & Miscellaneous Expense (EME)		135,600.00	117,600.00
<i>Professional Services</i>			
Legal Services		8,900.00	20,600.00
Auditing Services		253,647.63	464,786.01
<i>General Services</i>			
Security Services		570,000.00	540,000.00
Other General Services		72,867.45	94,521.45



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

STATEMENT OF COMPREHENSIVE INCOME
for the year ended December 31, 2021
(with comparative figures for 2020)

	Note	2021	2020
<i>Repairs & Maintenance</i>			
Repairs & Maintenance - Land Improvements		-	-
Repairs & Maintenance - Infrastructure Assets		383,000.79	290,322.93
Repairs & Maintenance - Buildings and Other Structures		22,958.00	761.50
Repairs & Maintenance - Machinery & Equipment		30,217.15	86,248.49
Repairs & Maintenance - Furniture & Fixtures		4,111.00	-
Repairs & Maintenance - Transportation Equipment		30,474.51	39,531.83
Repairs & Maintenance - Other PPE		16,560.00	33,770.00
<i>Taxes, Insurance Premiums, and Other Fees</i>			
Taxes, Duties, & Licenses		1,244,949.45	907,595.70
Fidelity Bonds Premium		19,275.00	12,000.00
Insurance Expense		188,438.10	172,404.27
<i>Other Maintenance and Operating Expenses</i>			
Labor and Wages		973,243.66	-
Printing and Publication Expense		270,245.00	233,830.00
Representation Expense		454,217.20	408,577.80
Transportation and Delivery Expense		76.00	-
Rent/Lease Expense		93,862.50	9,600.00
Membership Dues & Contributions to Organizations		15,326.00	13,627.00
Subscription Expense		6,710.00	3,146.00
Donations		22,300.00	25,777.00
TOTAL MAINTENANCE AND OTHER OPERATING EXPENSES		22,752,200.09	20,278,544.62
FINANCIAL EXPENSES			
Bank Charges		150.00	185.00
TOTAL FINANCIAL EXPENSES		150.00	185.00
NON-CASH EXPENSES			
<i>Depreciation</i>			
Depreciation - Land Improvements		15,609.15	15,609.15
Depreciation - Infrastructure Assets		2,582,441.48	2,298,091.53
Depreciation - Building and Other Structures		285,958.77	279,466.26
Depreciation - Machinery and Equipment		413,687.18	385,326.86
Depreciation - Transportation Equipment		290,301.66	291,921.66
Depreciation - Furniture and Fixtures		20,450.07	24,035.03
Depreciation - Other PPE		783,869.34	690,227.22
<i>Amortization</i>			
Amortization - Computer Software		83,340.00	83,340.00
<i>Impairment Loss</i>			
Impairment Loss - Loans and Receivables		32,489.99	25,365.68
<i>Loss</i>			
Loss of Assets		-	141,629.72
TOTAL NON-CASH EXPENSES		4,508,147.64	4,235,013.11
TOTAL EXPENSES		49,369,255.73	45,899,197.12
Income from Operations		16,612,406.09	14,486,323.01
ADD: Other Income			
Interest from Savings Account		161,437.48	198,558.11
NET INCOME BEFORE INCOME TAX		16,773,843.57	14,684,881.12

Prepared By:

AIRA JANE G. PEREZ, CPA
Accounting Processor A

Verified by:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

CEB 7-A AUDIT TEAM 5

RECEIVED

DATE: 01/26/2022

STATEMENT OF CASH FLOWS
as of December 31, 2021
(with comparative figures for 2020)

	Note	2021	2020
CASH FLOW FROM OPERATING ACTIVITIES			
Cash Inflows:			
Collection of Water Bills		64,582,889.76	59,062,687.21
Collection of Other Business and Income		747,464.26	570,897.48
Interest Income (Net)		115,737.15	124,912.61
Customers' Deposit		28,747.85	21,920.70
Sale of Materials, Other Fittings		2,563,286.96	2,007,943.81
Refund of Advances & Others		11,442.90	45,431.22
Other Miscellaneous (GSIS reimbursement & others)		713,642.30	444,599.28
Total Cash Inflows		68,763,211.18	62,278,392.31
Cash Outflows:			
Payment of Personal Services		15,491,905.24	16,800,192.86
Payment of Operating & Maintenance Expenses		19,440,546.86	16,141,170.35
Payment of Advances		385,000.00	378,500.00
Other Receivables - CENPELCO		27,500.00	-
Purchases of Office Supplies/Materials		2,449,657.67	1,190,526.32
Prepayments		390,569.24	25,125.78
Payment of Payables		4,653,687.04	10,948,719.27
Remittances of GSIS/Pag-Ibig/BIR		7,007,520.06	5,836,967.75
Total Cash Outflows		49,846,386.11	51,321,202.33
Total Cash Provided by Operating Activities		18,916,825.07	10,957,189.98
CASH FLOW FROM INVESTING ACTIVITIES			
Cash Inflow:			
Collection of Bid Document/Registration		63,500.00	13,000.00
Total Cash Inflow		63,500.00	13,000.00
Cash Outflows:			
Payment for Construction Work in Progress		7,089,911.93	4,252,779.98
Purchase of Property, Plant, & Equipment		1,658,790.95	518,574.92
Transfer for Reserve (Sinking Fund)		500,000.00	100,000.00
Total Cash Outflows		9,248,702.88	4,871,354.90
Total Cash Used in Investing Activities		(9,185,202.88)	(4,858,354.90)
Net Cash Inflow provided by operating, investing, and financing activities		9,731,622.19	6,098,835.08
ADD: Cash and Cash Equivalents - Beginning		81,792,041.27	75,693,206.19
CASH AND CASH EQUIVALENTS - ENDING	4	91,523,663.46	81,792,041.27

Cash Balance Breakdown:

	2021	2020
Cash on Hand	35,091.95	-
Petty Cash Fund	5,000.00	5,000.00
Cash in Banks		
Current Account (DBP)	77,839,945.48	70,397,798.68
Current Account (LB-EBCS)	1,224,682.70	1,022,753.80
Customer's Deposit (DBP)	3,798,617.50	3,774,618.45
MSF (LB)	8,620,325.83	6,591,870.34
	91,523,663.46	81,792,041.27

Prepared By:

AIRA JANE C. PEREZ, CPA
Accounting Processor A

Verified by:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

CES 7-A AUDIT TEAM 5
COORDINATOR

RECEIVED
DATE: 01/20/2022

STATEMENT OF CHANGES IN EQUITY
as of December 31, 2021
(with comparative figures for 2020)

	2021	2020
GOVERNMENT EQUITY		
Balance at beginning of period	615,720.00	615,720.00
Reclassification of Capital Accounts	-	-
Additions/Deductions	-	-
Balance at end of period	<u>615,720.00</u>	<u>615,720.00</u>
RETAINED EARNINGS		
Balance at beginning of period	153,818,073.42	144,030,912.09
Prior period adjustments	<u>1,792,804.13</u>	<u>(3,889,614.29)</u>
Restated Balance	155,610,877.55	140,141,297.80
Adjustments	<u>(967,978.74)</u>	<u>(1,008,105.50)</u>
Net Income for the period	<u>16,773,843.57</u>	<u>14,684,881.12</u>
Balance at end of period	<u>171,416,742.38</u>	<u>153,818,073.42</u>
TOTAL EQUITY	<u><u>172,032,462.38</u></u>	<u><u>154,433,793.42</u></u>

Prepared By:

AIRA JANE G. PEREZ, CPA
Accounting Processor A

Verified by:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

ENGR. MARCELO M. PETONIO
General Manager

MONTHLY DATA SHEET

For the Month Ending December 2021

Name of Water District : MANGALDAN

Province : Pangasinan

Region : I

CCC No. : 139

Email Address : mangaldanwaterdistrict@gmail.com

Website, if any: www.mangaldanwaterdistrict.gov.ph

Contact Nos. (mobile): _____

(landline) : (09) 653-0574, (075) 523-5888

Geo Coordinates of WD Office (Longitude, Latitude) : 16°04'14"N 120°24'17"E

Under Joint Venture Agreement? (Yes/No): No

1. MUNICIPAL DATA/SERVICE COVERAGE

1.1 Municipality(ies) Served			Total No. of Brgys.	No. of Brgys Served	Percent (%) Served to Total Brgys.
Main Mun.:	<u>Mangaldan</u>		<u>30</u>	<u>30</u>	<u>100.0%</u>
Annexed:					
Annexed:					
Annexed:					
Annexed:					
Annexed:					
Annexed:					
Annexed:					
Annexed:					

2. SERVICE CONNECTION DATA:

2.1	Total Service (Active + Inactive)	<u>15,919</u>		
2.2	Total Active	<u>14,652</u>		
2.3	Total metered	<u>14,675</u>		
2.4	Total billed	<u>14,652</u>		
2.5	Ave. Persons/Conn.	<u>5.0</u>		
2.6	Population Served (2.2 x 2.5)	<u>73,260</u>		
2.7	Growth in Service Connections (S. C.)		<u>This Month</u>	<u>Year-to-Date</u>
	New		<u>33</u>	<u>593</u>
	Reconnection		<u>15</u>	<u>297</u>
	Disconnected		<u>23</u>	<u>370</u>
	Increase (Decrease) in S. C.		<u>25</u>	<u>520</u>
2.8	No. of Customers in Arrears	<u>5,671</u>	<u>(38.7%)</u>	
2.9	No. of Active Connections	<u>Metered</u>	<u>Unmetered</u>	<u>Total</u>
	Residential/Domestic	<u>13,885</u>		<u>13,885</u>
	Government	<u>58</u>		<u>58</u>
	Commercial/Industrial	<u>709</u>	<u>-</u>	<u>709</u>
	Full Commercial	<u>616</u>		<u>616</u>
	Commercial A	<u>93</u>		<u>93</u>
	Commercial B			<u>-</u>
	Commercial C			<u>-</u>

Commercial L			
Bulk/Wholesale			
Total	14,652	-	14,652

3. PRESENT WATER RATES:

3.1 Date Approved (mm/dd/year): 3/8/2013 Effectivity (mm/dd/year): 4/1/2013

3.2 Water Rates

CLASSIFICATION	MINIMUM	COMMODITY CHARGES					
	CHARGES	11-20 CUM	21-30 CUM	31-40 CUM	41-50 CUM	51-60 CUM	61 & Above
Domestic/Government	₱ 125.00	₱ 13.50	₱ 15.00	17.00	₱ 20.50	₱	₱
Commercial/Industrial	250.00	27.00	30.00	34.00	41.00		
Commercial A	218.75	23.60	26.25	29.75	35.85		
Commercial B							
Commercial C							
Commercial D							
Bulk Sales							

4. BILLING & COLLECTION DATA:

	This Month	Year-to-Date
4.1 BILLING (Water Sales)		
a. Current - metered	P 5,118,214.20	P 62,258,854.70
b. Current - unmetered	-	-
c. Penalty Charges	228,648.40	2,679,579.10
d. Less: Senior Citizen & PWD Discount	369.39	4,140.37
Total	P 5,346,493.21	P 64,934,293.43

4.2 BILLING PER CONSUMER CLASS:

e Residential/Domestic	P 4,404,105.15	P 53,297,842.45
f Government	129,273.50	1,660,697.00
g Commercial/Industrial	584,835.55	7,300,315.25
h Bulk/Wholesale	-	-
Total	P 5,118,214.20	P 62,258,854.70

4.3 COLLECTION (Water Sales)

a. Current account	P 3,049,164.99	P 37,536,693.26
b. Arrears - current year	2,056,802.55	21,765,083.98
c. Arrears - previous years	1,037.50	2,625,375.17
Total	P 5,107,005.04	P 61,927,152.41

4.4 ACCOUNTS RECEIVABLE-CUSTOMERS (Beginning of the Yr.): 2,801,032.72

4.5 ON-TIME-PAID, This Month

$$\frac{4.3a}{(4.1a) + (4.1b) - (4.1d)} \times 100 = 59.6\%$$

4.6 COLLECTION EFFICIENCY, Y-T-D

$$\frac{(4.3a) + (4.3L)}{4.1 \text{ Total}} \times 100 = \frac{59,301,777.24}{64,934,293.43} = 91.3\%$$

4.7 COLLECTION RATIO, Y-T-D

$$\frac{4.3 \text{ Total}}{4.1 \text{ Total} + 4.4} = \frac{61,927,152.41}{67,735,326.15} = 91.4\%$$

5. FINANCIAL DATA:

	This Month	Year-to-Date
5.1 REVENUES		
a. Operating Revenues	P 5,442,464.72	P 65,981,661.82
b. Non-Operating revenues	24,802.10	161,437.48
Total	P 5,467,266.82	P 66,143,099.30
5.2 EXPENSES		
a. Salaries and wages	P 1,259,607.59	P 15,451,412.71
b. Pumping cost (Fuel, Oil, Electric)	1,383,429.34	14,987,921.58
c. Chemicals (treatment)	29,250.00	559,655.00
d. Other O & M Expense	2,210,782.88	13,894,608.79
e. Depreciation Expense	388,577.79	4,475,657.65
f. Interest Expense	-	-
g. Others	-	-
Total	P 5,271,647.60	P 49,369,255.73
5.3 NET INCOME (LOSS)	P 195,619.22	P 16,773,843.57
5.4 CASH FLOW STATEMENT		
a. Receipts	P 6,225,548.96	P 68,826,711.18
b. Disbursements	5,591,990.10	59,095,088.99
c. Net Receipts (Disbursements)	633,558.86	9,731,622.19
d. Cash balance, beginning	90,890,104.60	81,792,041.27
e. Cash balance, ending	91,523,663.46	91,523,663.46
5.5 MISCELLANEOUS (Financial)		
a. Loan Funds (Total)	-	-
1. Cash in Bank	P -	P -
2. Cash on Hand	-	-
b. WD Funds (Total)	103,111,002.27	103,111,002.27
1. Cash on hand	P 35,091.95	P 35,091.95
2. Cash in bank	79,064,628.18	79,064,628.18
3. Special Deposits	3,798,617.50	3,798,617.50
4. Investments	8,620,325.83	8,620,325.83
5. Working fund	5,000.00	5,000.00
6. Reserves		
6.1 WD-LWUA JSA	11,587,338.81	11,587,338.81
6.2 General Reserves		
c. Materials & Supplies inventory	P 2,983,983.57	P 2,983,983.57
d. Accounts Receivable	3,201,309.05	3,201,309.05

1. Customers	₱	3,201,309.05		₱	3,201,309.05
2. Materials on loans					
3. Officers & Employees					
e Customers' deposits		3,415,946.55			3,415,946.55
f Loans payable					
g Payable to creditors eg. suppliers		6,192,646.76			6,192,646.76
5.6 FINANCIAL RATIOS		This Month		Year-to-Date	
a. Operating Ratio (benchmark = ≤ 0.75)					
Operating Expenses		5,271,647.60	= 0.97	49,369,255.73	= 0.75
Operating Revenues		5,442,464.72		65,981,661.82	
b. Net Income Ratio					
Net Income (Loss)		195,619.22	= 0.04	16,773,843.57	= 0.25
Total Revenues		5,467,266.82		66,143,099.30	
c Current Ratio (benchmark = ≥ 1.5)					
Current Assets				98,555,919.77	= 7.42
Current Liabilities				13,278,481.41	

6. WATER PRODUCTION DATA:

6.1 SOURCE OF SUPPLY		Total Rated Capacity		
	Number	(In LPS) or (in Cum/Mo)	Basis of Data	
a. Wells	13	483,540		
b. Springs				
c. Surface/River				
d. Bulk purchase				
Total	13	0 483,540		

Conversion: 1 LPS ~ 2,600 cum/mo

6.2 WATER PRODUCTION (m ³)				
a. WD-Owned Sources	This Month	Year-to-Date	Method of Measurement	
# Gravity				
# Pumped	408,162.0	4,885,146.0		
Sub-Total	408,162.0	4,885,146.0		
b. External Source/s				
Total	408,162.0	4,885,146.0		

6.3 WATER PRODUCTION COST	This Month	Year-to-Date	
a. Total power consumption for pumping (KW-Hr)	140,492.00	1,531,257.00	
b. Total power cost for pumping (PHP)	1,335,259.34	14,690,196.00	
c. Other energy cost (oil, etc.) (PHP)	48,170.00	297,725.58	
d. Total Pumping Hours (motor drive)	8,969.25	105,339.00	
e. Total Pumping Hours (engine drive)	170.25	1,018.25	
f. Total Chlorine consumed (Kg.)	225.00	7,565.00	
g. Total Chlorine cost (PHP)	29,250.00	559,655.00	
h. Total cost of other chemicals (PHP)	-	-	

Total Production

₱ 1,412,679.34 ₱ 15,547,576.58

6.4 ACCOUNTED FOR WATER (m³)

a. Total Billed Metered Consumption (m ³)	321,157.0	3,896,837.0
Residential	298,839.0	3,615,631.0
Government	6,189.0	79,366.0
Commercial/Industrial (Total)	16,129.0	201,840.0
Full Commercial	13,418.0	169,142.0
Commercial A	2,711.0	32,698.0
Commercial B		
Commercial C		
Commercial D		
Bulk/Wholesale		
b. Unmetered billed	-	270.0
c. Total billed	321,157.0	3,897,107.0
d. Metered unbilled	510.0	4,678.0
e. Unmetered unbilled		
f. Total Accounted	321,667.0	3,901,785.0

6.5 WATER USE ASSESSMENT

a. Average monthly consumption/connection (m ³)	21.9	
Residential (m ³ /conn/mo.)	21.5	
Government (m ³ /conn/mo)	106.7	
Commercial/Industrial (m ³ /conn/mo)	22.7	
Bulk/Wholesale (m ³ /conn/mo)		
b. Average liters per capita/day (lpcd)	143.5	
c. Accounted for water (%)	78.8%	79.9%
d. Revenue Producing Water (%)	78.7%	79.8%
e. Percent Non-revenue Water (%)	21%	20%
f. 24/7 Water Service (Y/N)	Y	

7. STORAGE FACILITIES

	No. of Units	Total Capacity (m ³)
a. Elevated Reservoir(s)	2	550
b. Ground Reservoir(s)		

8. MISCELLANEOUS

8.1 EMPLOYEES

a. Total	46
b. Regular	36
c. Casual	3
d. Job-order/COS	7
e. Number of active connections/employee	376
f. Average monthly salary/employee	32,298.00

8.2 BOARD OF DIRECTORS

a. Board of Directors	Number of Meetings Attended
-----------------------	-----------------------------

		This Month			Year-to-Date		
		Special/			Special/		
	Name	Regular	Emergency	Total	Regular	Emergency	Total
1	Tito B. Sarzaba Jr.	2		2	24		24
2	Teresita G. Cera	2		2	24		24
3	Francisco M. Evangelista Jr.	2		2	24		24
4	Cesar C. Dizon	2		2	24		24
5	Nelda A. Cabrera	2		2	24		24
6							
		This Month			Year-to-Date		
a.	No. of Resolutions passed	4			37		
b.	No. of Policies passed						
c.	Directors fees paid	P 54,000.00			648,000.00		
d.	Meetings:						
	1. Held	2			24		
	2. Regular	2			24		
	3. Special/Emergency						

9. STATUS OF VARIOUS DEVELOPMENT:

9.1 ON-GOING PROJECTS

	DESCRIPTION (e.g. Comprehensive Project, Source Dev., Expansion, Rehab., Water Quality, etc)	PROJECT COST (PHP)	FUNDING SOURCE	PERCENT ACCOMPLISHMENT
a.	MAWADWORKS#3 S. 2021, Drilling of One (1) Ex	2,875,162.50	MAWAD Corporate Fund	88.84%
b.				
c.				
d.				
e.				
f.				
g.				
h.				
i.				
j.				
k.				
l.				
m.				
n.				
o.				

9.2 CURRENT FINANCIAL ASSISTANCE/LOANS/GRANTS

	LOAN AMOUNT (PHP)	ARREARAGES, Beginning of the year	MONTHLY AMORTIZATION (PHP)	PAYMENTS MADE, YTD	TERMINAL YEAR OF AMORTIZATION
a. Loans from LWUA					
1		-	-		
2					
3					
4					

5				
	Total			
b.	Loans from Other Fund Sources			
1				
2				
3				
4				
5				
	Total			

10. INSTITUTIONAL DEVELOPMENT/REVIEWS:

10.1 LWUA REVIEW AND SYSTEMS INSTALLATION

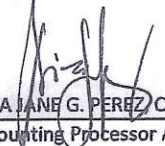
Year when Last installed /reviewed

a.	CPS I Installation	
b.	CPS II Installation	
c.	Water Rates Review	2013
d.	Water Safety Plan Review	2019
e.	Business Plan Review	
f.	Groundwater Data Bank Installation	2017
g.	Computerized Billing & Collection System	2019
h.	Computerized Read & Bill	
i.	Computerized Accounting System	
j.	Computerized Inventory System	

11. KEY PERFORMANCE INDICATORS:

	Actual	KPI Monitoring Benchmark
a. Non-Revenue Water (%) - YTD	20%	≤ 20%
b. Collection Efficiency (%) - YTD	91.3%	≥ 90%
c. S.Conn. Market Growth - YTD	520	
d. Capex (Php) - YTD	7,225,921.85	
e. LWUA-WD JSA Reserves (%) - YTD	18.71	≥ 3% of Item 5.1
f.1 Water Quality Compliance - Bacti (Y/N)	Y	Y
f.2 Water Quality Compliance - Phychem (Y/N)	Y	Y
f.3 Water Quality Compliance -Residual Chlorine (Y/N)	Y	Y
g. Current Ratio - YTD	7.42	≥ 1.5
h. Average Monthly Net Income (Php)	1,398,420.30	positive
i. Staff Productivity Index	376	
j. 24/7 Water Service (% of Active S Conn)	Y	Y
k. With Sanitation Facilities (Yes or No)	Y	Y


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 Accounting Processor A

Checked and Verified by:


 VIOLETA B. GAYAGA
 Division Manager B - Finance

Certified Correct:


 ENGR. MARCELO M. PETONIO
 General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

Approved Water Rates Schedule
C.Y. 2021

Classification	Size	Min. Charge	11-20 m ³	21-30 m ³	31-40 m ³	Over m ³
Residential/Gov't.	½"	125.00	13.50	15.00	17.00	20.50
Commercial/Ind'l.	½"	250.00	27.00	30.00	34.00	41.00
Commercial A	½"	218.75	23.60	26.25	29.75	35.85
Commercial B	½"	187.50	20.25	22.50	25.50	30.75
Commercial C	½"	156.25	16.85	18.75	21.25	25.60
Bulk/Wholesale	½"	375.00	40.50	45.00	51.00	61.50

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 U/CSA Officer
 OIC - Commercial Division

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

Summary of Water Production and Consumption
C.Y. 2021

Period	Production	Consumption
January	433,403	345,095
February	373,672	292,970
March	379,110	299,819
April	428,977	346,403
May	419,763	338,063
June	405,382	327,283
July	417,427	337,223
August	399,957	321,144
September	405,580	326,584
October	401,870	319,616
November	411,843	325,918
December	408,162	321,667
Total	4,885,146	3,901,785

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Division Manager B - Finance


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General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

WD Water Sources
C.Y. 2021

No.	Source	Location	With Production Meter
1	P.S. I	Public Plaza	Yes
2	P.S. II	Banaoang	Yes
3	P.S. III	Salay	Yes
4	P.S. IV	Guilig	Yes
5	P.S. V	Pogo	Yes
6	P.S. VI	Lanas	Yes
7	P.S. VII	Amansabina	Yes
8	P.S. VIII	Guiguilonen	Yes
9	P.S. IX	Bari	Yes
10	P.S. X	Salay	Yes
11	P.S. XI	Macayug	Yes
12	P.S. XII	Anolid	Yes
13	P.S. XIII	Osiem	Yes
14	P.S. XIV	Tebag	Yes

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Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

SERVICE CONNECTION GROWTH
C.Y. 2021

Period	New Connection	Reconnection	Disconnection	Total Connections
December 2020				14,132
January 2021	29	27	35	14,153
February	46	33	38	14,194
March	59	27	32	14,248
April	73	33	44	14,310
May	56	37	31	14,372
June	51	17	21	14,419
July	63	22	14	14,490
August	54	14	28	14,530
September	51	22	27	14,576
October	44	17	44	14,593
November	34	33	33	14,627
December 2021	33	15	23	14,652
Total	593	297	370	

Summary:

Total Active Connections as of December 2020	14,132
Add: Total New Connections - 2021	593
Total	14,725
Add: Total Reconnections - 2021	297
Metered	15,022
Less: Total Disconnections - 2021	370
Total Active Connections as of December 31, 2021	14,652

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Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

*List of Major Equipment and Machineries
with an Initial Cost of at least ₱ 10,000.00
For the period January 1, 2021 to December 31, 2021*

Month	Account Code	Description	Amount
2021			
February	1 06 99 990	1 set Electric Chain Block 5 tons 220V (3Ø) 4m - chain length - for P.H. pull out purposes	90,000.00
April	1 06 99 990	Flow Meter 4" with FBNG - PS # 14 Tebag	48,195.00
April	1 06 03 050	System (40hp 220v) / control panel - PS # 14 Tebag	290,000.00
May	1 06 03 050	one (1) unit 25kVA DX Transformer, single phase, primary line - PS # 14 Tebag	164,960.95
June	1 06 03 050	eighty (80) meters THHN Wire #2 to be used for the electric supply of PS # 14 Tebag	20,800.00
June	1 06 04 990	materials used for the fabrication of new steel gate in replacement of old/rusted main gate of Motorpool in Brgy. Salay	14,550.00
June	1 06 03 040	butterfly valve 6" (Lever Type) 3 units @ 16,000	48,000.00
August	1 06 05 020	one (1) unit split type airconditioner 2.5hp (non-inverter) and one (1) unit split type airconditioner 2.0hp (non-inverter) with installation fee - for the MAWAD Extension Building	86,620.00
August	1 06 05 030	one (1) set desktop computer (Processor and Motherboard: AMD Ryzen 5 3600 + Gigabyte A320M-S2H; Memory and Hard Disk: Kingston 8 gb DDR4 3200, Kingston A400 120gb SSD, 1TB WD; Video card 2gb 6BIT; Power supply 500w; CPU Casing; A4Tech Keyboard and Mouse; AOC Monitor 18.5" - issued to D. Relleve	32,035.00
August	1 06 99 990	IWAKI Metering Pump Model ES-B11 with complete accessories (Foot Valve, Check Valve, and 3m hose) - PS #14 Tebag	28,000.00
August	1 06 99 990	Generator Set (Brand New Jet Generator Set Model JP53; 58.7kVA/47kw; standby rating three phase; 60hz, 1800rpm, 0.80 power factor; 240 volts, powered by Perkins industrial engine model 1103A-33TG1), and 150 amperes Manual Transfer Switch - PS # 14 Tebag	840,000.00
September	1 06 07 010	6 pcs window blinds for the MAWAD extension	21,850.00
September	1 06 05 030	3 units CCTV (1 unit for office building, 2 units for MAWAD extension bldg)	18,480.00
TOTAL			P1,703,490.95

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