



ANNUAL REPORT

2019

Serafica St., Mangaldan, Pangasinan

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MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

ANNUAL REPORT
For the Period January 1, 2019 to December 31, 2019

RECEIVED

28 JAN 2020



I. GENERAL

A. ADMINISTRATIVE

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

2. Attach list of employed personnel with pertinent information. (List of Plantilla of Personnel for the Fiscal Year 2018) Annex C (attached)

The following summarizes the District's staffing

 - a. Total number of employees 46
 - b. Number of permanent employees 32
 - c. Number of casual/temporary employees/laborers 4
 - d. Number of employees meeting minimum qualifications per Job Description adopted by the District 34
 - e. Number of employees not classified as casual/temporary who do not meet the minimum qualifications established by the District none
 - f. Number of Coterminus employee 2
 - g. Number of Job Order personnel 7

3. Has the District adopted a policy prohibiting hiring of personnel related up to the *fourth degree* by affinity or consanguinity? (Yes or No) 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 Yes, CSC-Approved Personnel Mechanism
 - b. Utility Customer Relations Yes
 - c. General Utility Operations 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 Attach list of policy - setting resolutions adopted, repealed or amended by the District Board including those adopting LWUA guidelines (Summary of Policy - Setting Resolutions) Annex D (attached)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 Yes
 - b. Billing and Collection Yes
 - c. Delinquencies in Payment of Water Bills Yes
 - d. Meter Histories Yes
 - e. Service Connections Yes
 - f. Equipment Histories Yes
 - g. Equipment Downtime Yes
 - h. Bacteriological Tests Yes
 - i. System Pressure Yes
 - j. Leak Reports Yes
 - k. Unaccounted for Water Yes
 - l. Pump Effeciencies Yes
 - m. Water Production Yes
 - n. Water Production Yes
 - o. Valve and pipeline location Yes
 - p. General Accounting Yes
 - q. Stock Inventory Yes
 - r. Stores Usage Yes
 - s. Employees Record Yes
 - t. Minutes and Board Meetings 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)

76,003,123.00

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

58,641,828.00

16,200,000.00

-

-

1,161,295.00

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

58,928,123.78

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

58,200,880.81

699,887.67

27,355.30

-

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

59,851,117.09

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

46,405,378.97

13,445,738.12

-

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

18,885,208.19

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

17,690,177.66

1,195,030.53

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

13,435,817.04

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

58,688,499.26

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

56,235,689.23

2,452,810.03

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

56,329,876.85

- a. Current Billings
- b. Arrears

37,297,227.27

19,032,649.58

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

2,691,332.11

10. Total reserves at year's end

10,867,992.98

11. Complaints filed, processed and settled during the year	
a. Total number filed, processed and settled during the year	784
b. Number dismissed for lack of merit/withdrawn	-
c. Number investigated	784
d. Number settled to the satisfaction of complaints	784
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)	Yes
If so, who prepared it?	GM
Is it being adhered to strictly?	Yes
2. Does the District undertake bacteriological test of its water? (Yes or No)	Yes
How often are these test made per year?	monthly
Is LWUA being furnished copies of these test reports? (Yes or No)	Yes
For the report year, how many such reports were submitted to LWUA?	192
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)	Yes
How many of these pumps does the District have in its system?	12
How many of these pumps are operational?	12

D. OPERATIONAL

1. Total water production during the year in cubic metres (Annex I-Summary of Water Production and Consumption)	4,395,609
Total water billed in cubic meters	Annex I (attached)
Average per capita consumption in lpd	3,478,104
	122.3
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)	Yes
If yes, what type?	flow meter
If not, how do you measure productions	-
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)	14,839
b. Number of Active Connections	13,740
c. Number of Metered Connections	13,764
1. With functioning meters	13,764
2. With non-functioning meters	-
d. Number of flat rate connections	-
e. Number of connections regularly billed	13,700 +
f. Number of delinquent concessionaires	4,484
g. Average number of customers per connections (HH)	5

5. Estimated population of district service areas	<u>111,581</u>
a. Estimated population served by utility whether fully or partially	<u>68,700</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>784</u>
d. How many of these reports attended to during the year?	<u>784</u>

Submitted by:


ENGR. MARCELO M. PETONIO
 General Manager

MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

ANNUAL REPORT
For the Period January 1, 2019 to December 31, 2019

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 12/31/19	<u>480</u>
2. Date CCC was issued	<u>October 6, 1980</u>	CCC No.	<u>139</u>
3. Personnel	46		

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

B. EXISTING SYSTEM'S FACILITIES

1. Service

1.1 Service Area	<u>95.41 kms.</u>
1.2 Population of Service Area (Latest)	<u>111,581</u>
1.3 No. of Households	<u>22,316</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) 13,887

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	-	13,061	13,061
Commercial	-	679	679
Bulk	-	-	-
Total	-	13,740	13,740

2.7 Production

Average Monthly Production	
a. Booster/Pumping (cu.m)	<u>366,301</u>
b. Bulk Water (cu.m)	<u>-</u>

Production Efficiency % (average/month)
(Total Water Utilized/Total Production) 79.24%

NRW % (20.76 %) YTD 20.76%

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)		4,686,307.00
Average Collection (average/mo)		<u>4,694,156.00</u>
Average Expenses-O & M for the year (average/mo)		<u>3,867,115.00</u>

C. Financial Highlights (rate & status)

Current Ratio	=	$\frac{\text{Current Assets}}{\text{Current Liabilities}}$	<u>15:45:01</u>
Long Term Debt/Equity Ratio			<u>-</u>
Monthly Billing (average/mo)			<u>4,689,322.00</u>
Collection Efficiency-% of On-Time Payment (YTD)			<u>92.9</u>

3. COMMUNITY ECONOMIC PROFILE

A. Total Population (covered by the Water District)	<u>111,581</u>
B. Average Monthly Family Income in the Area	<u>30,000.00</u>
C. Major Source of Income	<u>employed</u>
D. Average Monthly Family Expenditure in the Area	<u>17,000.00</u>
E. City/Municipal Revenue	<u>305,143,706.36</u>
F. Average Rate of Mortality per 100,000 population due to waterborne diseases (e.g. diarrhea)	<u>none</u>
G. Average Rate of Morbidity per 100,000 population due to waterborne diseases (e.g. diarrhea)	<u>none</u>
H. Major Agricultural, Industrial and Commercial activities	<u>palay/carabao</u>
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 (16 Summary of Bacteriological Analysis 2019)
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 2019 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 been awarded the 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

Prepared by:


MS. VIOLETA B. GAYAGA
 Division Manager B - Finance

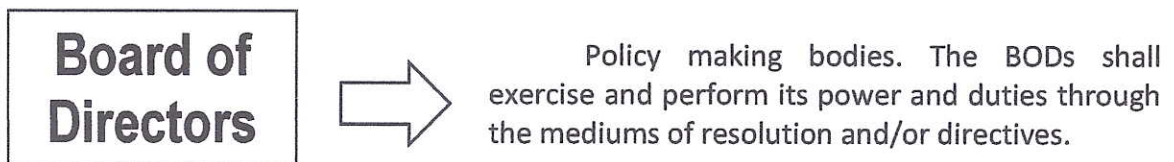
Approved by:


ENGR. MARCELO M. PETONIO
 General Manager

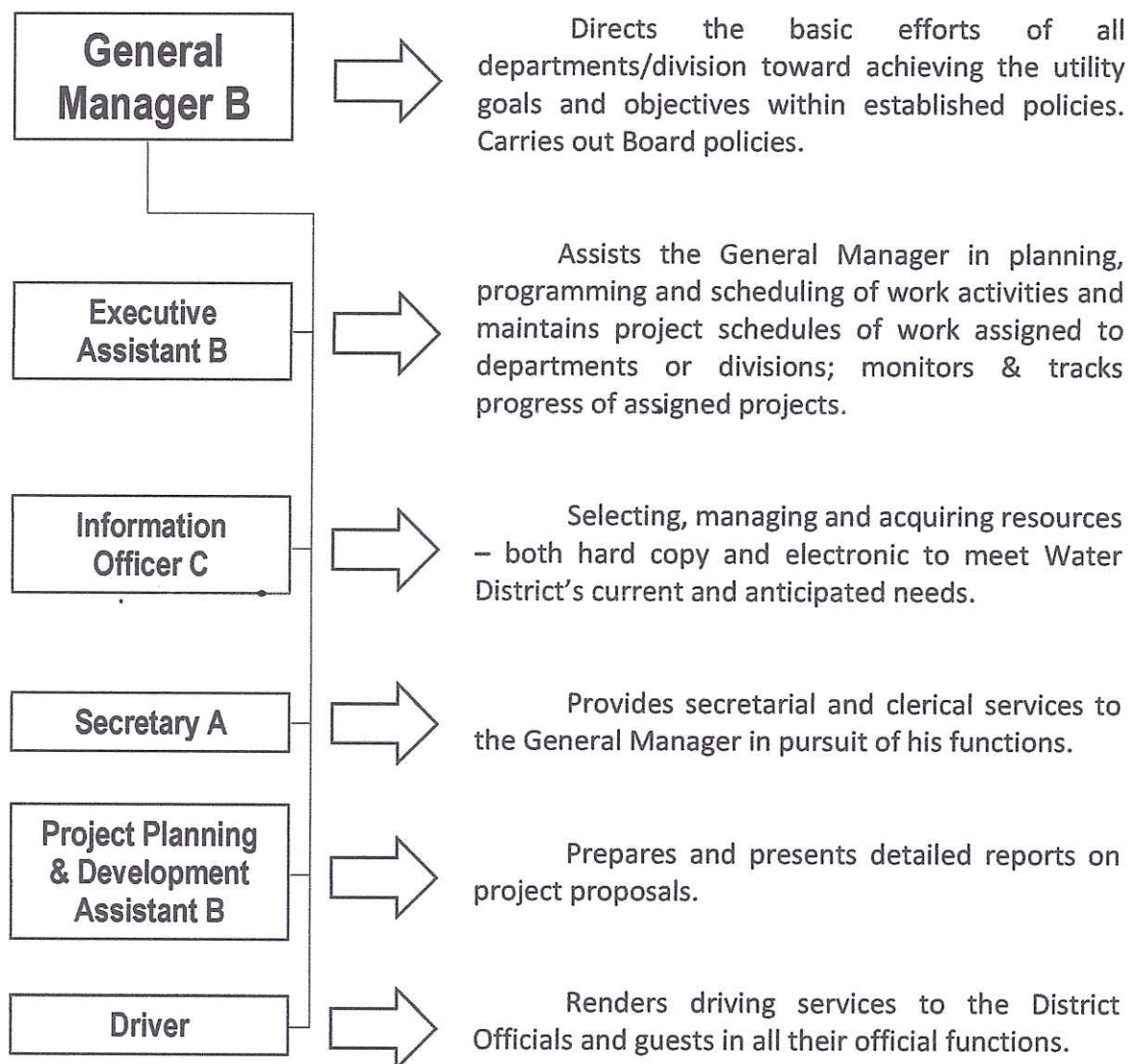


Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

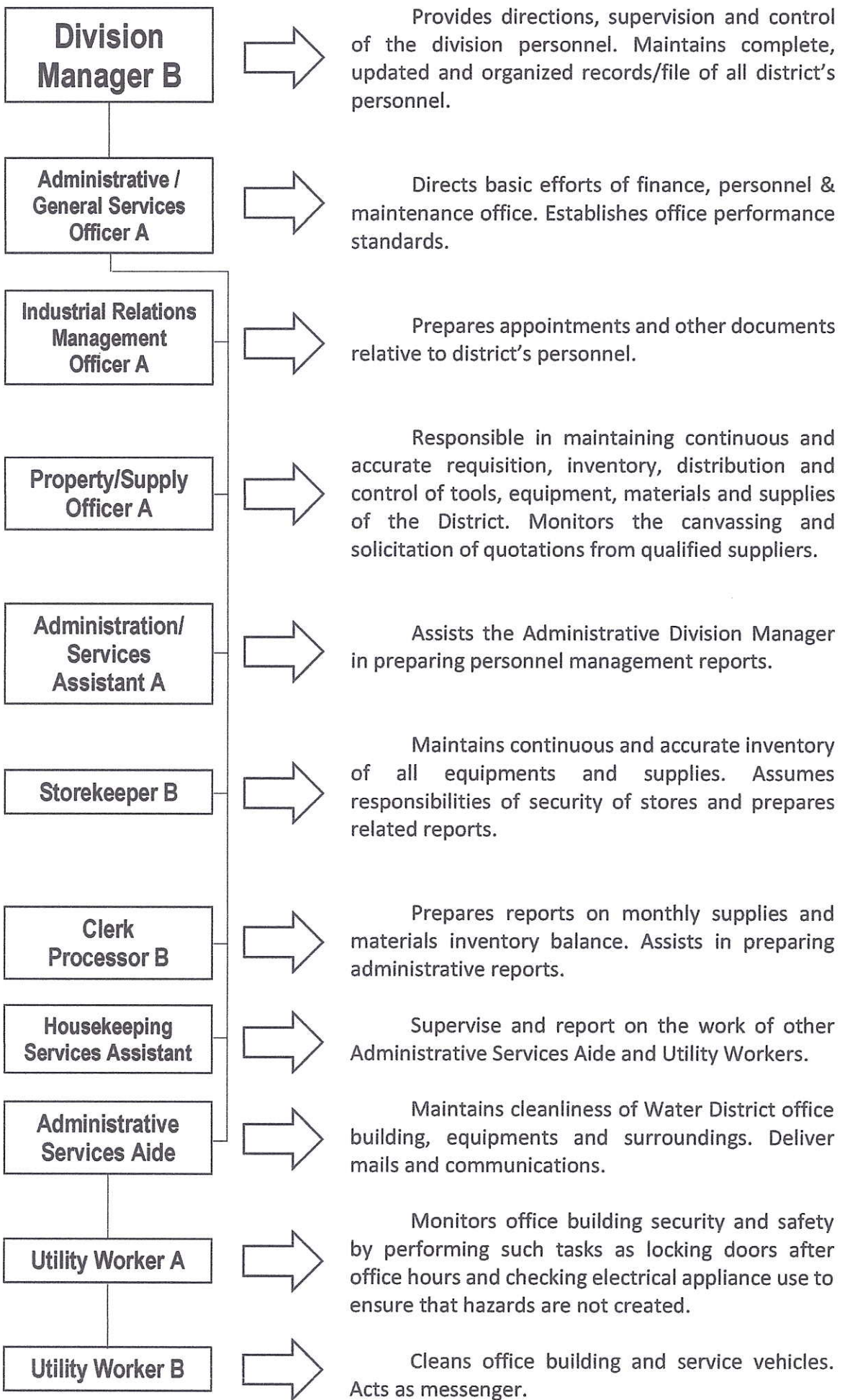
FUNCTIONAL CHART
As of December 31, 2019



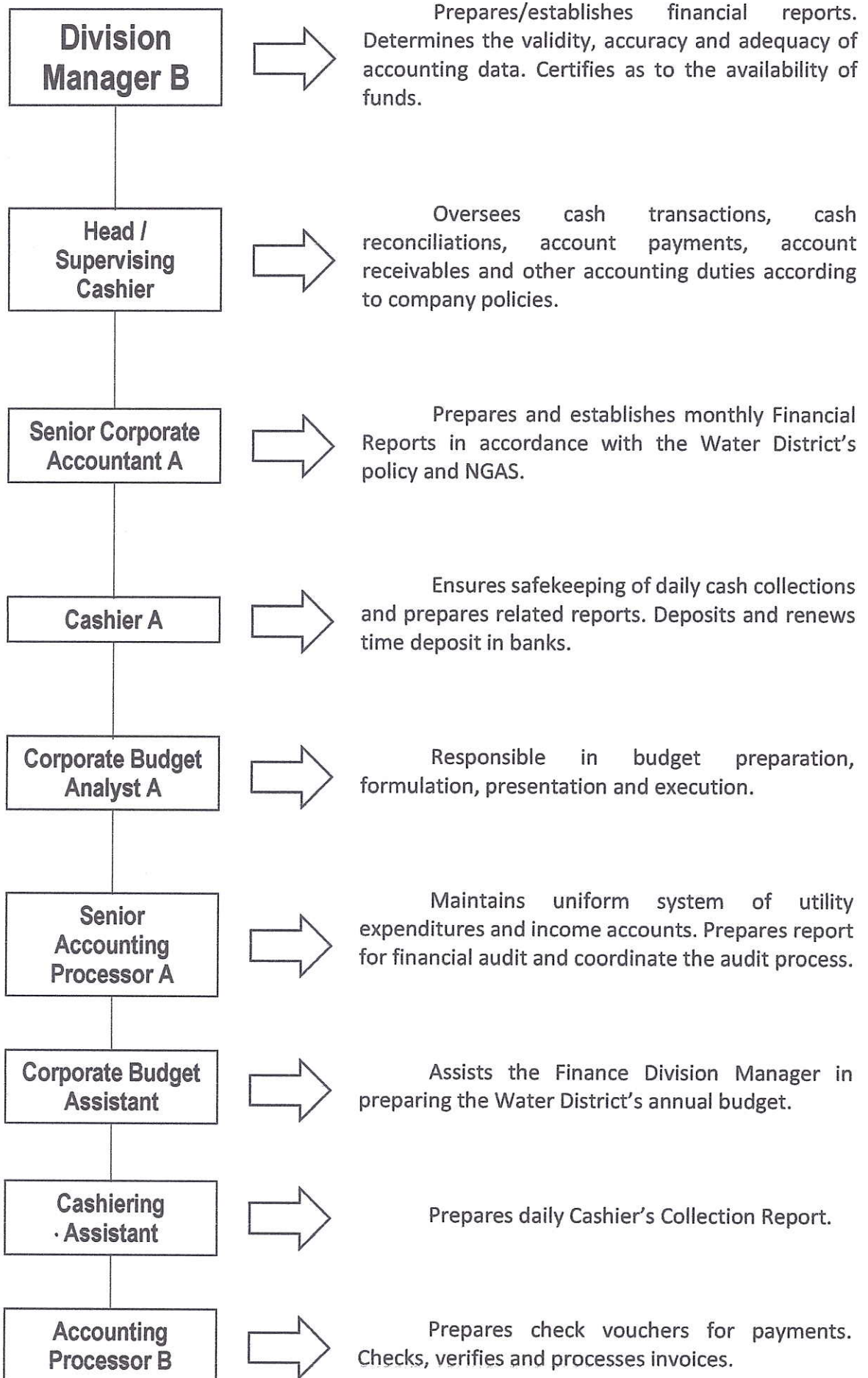
Office of the General Manager:



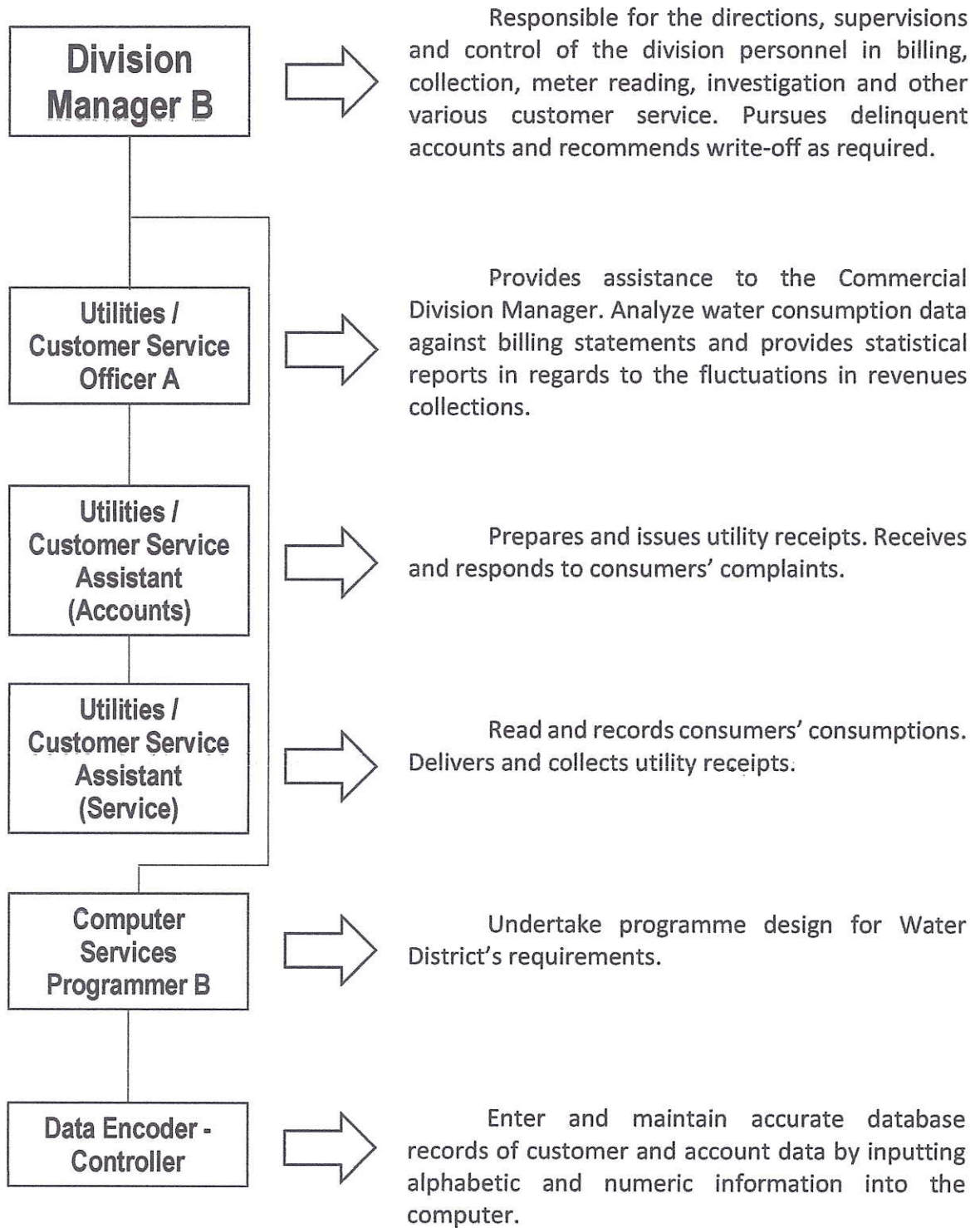
Administrative Division:



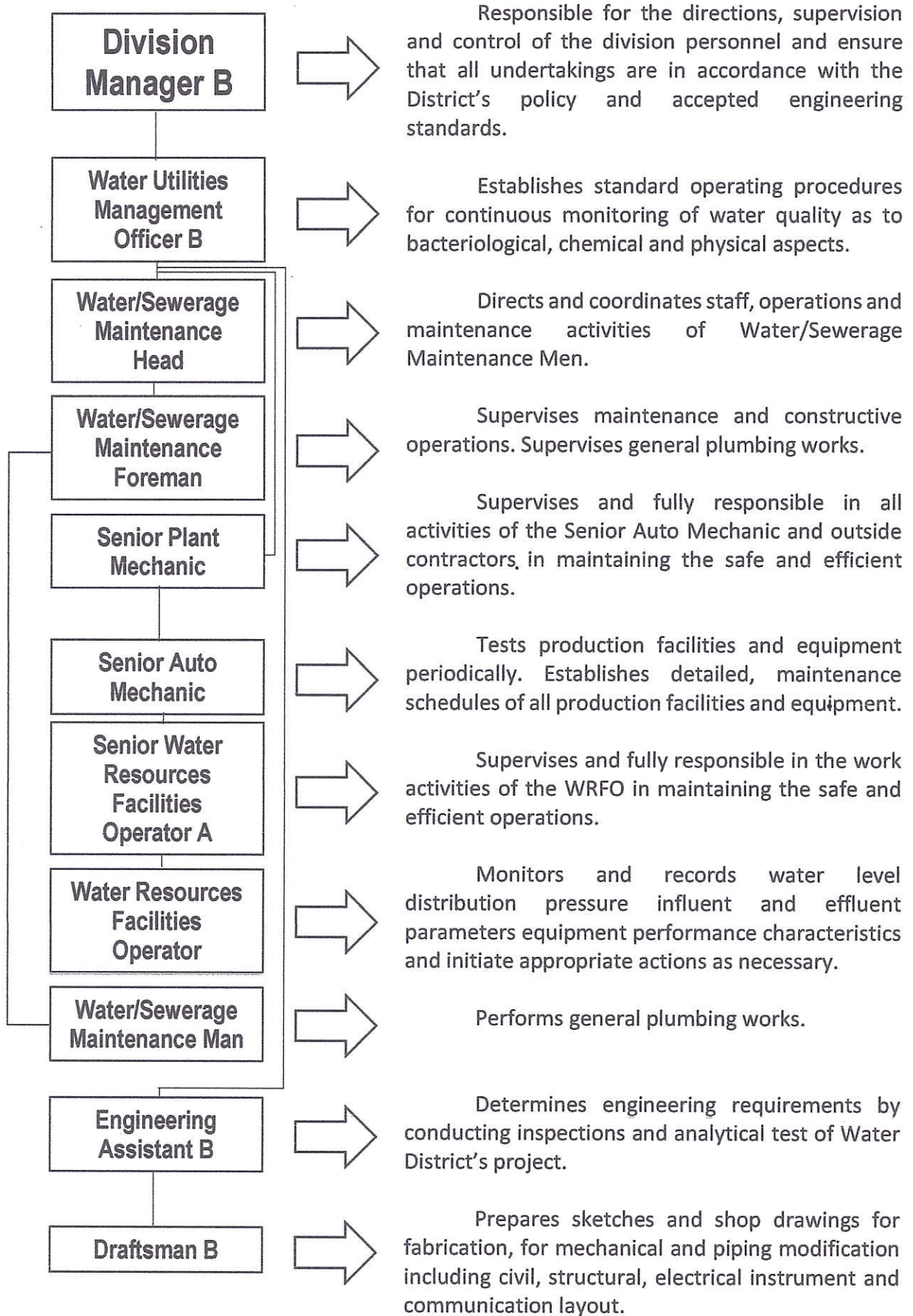
Finance Division:



Commercial Division:



Engineering/Operations Division:



Prepared by:

[Signature]
MARLYN C. DE GUZMAN

Division Manager B - Administrative

Approved by:

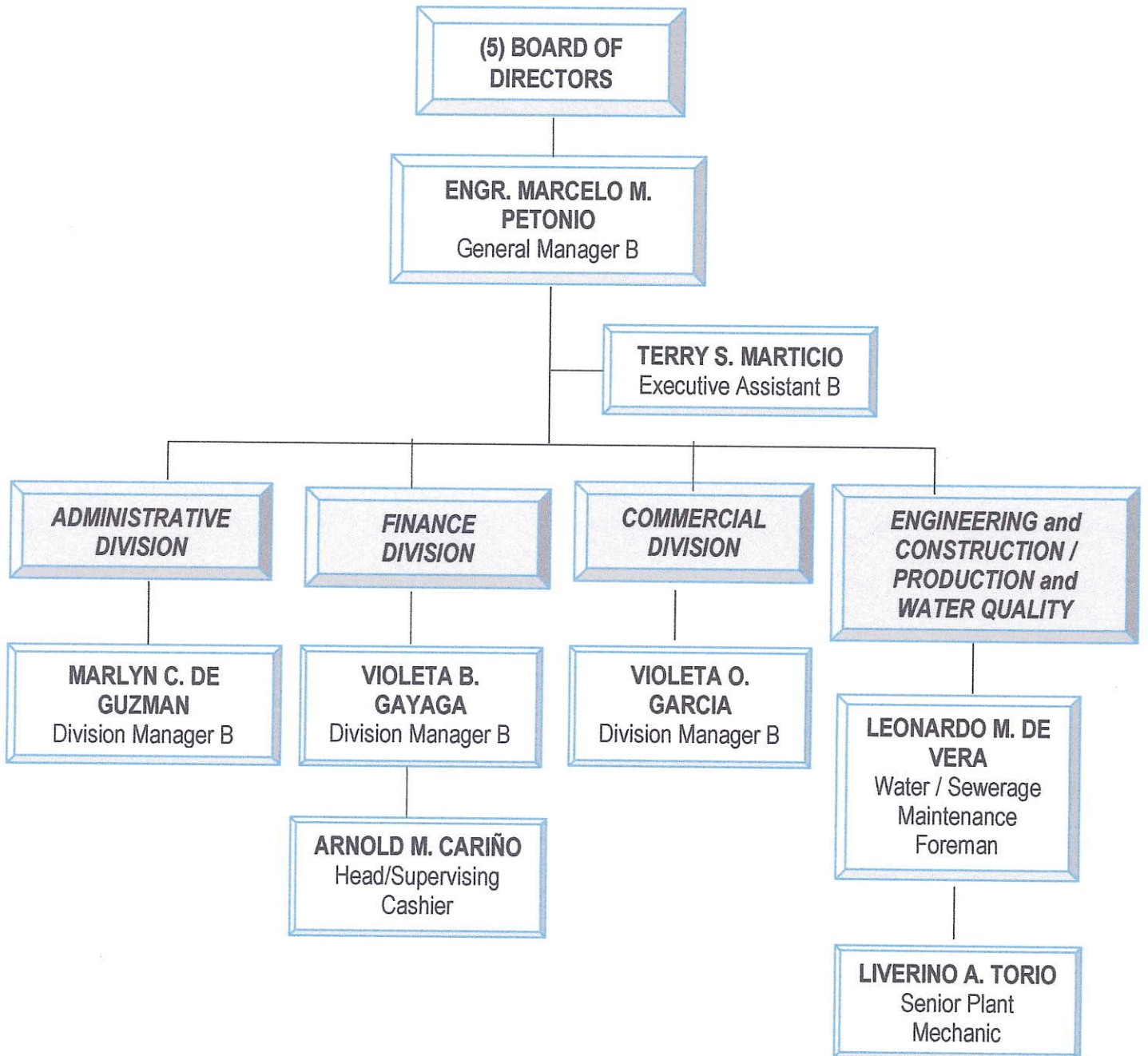
[Signature]
ENGR. MARCELO M. PETONIO

General Manager B



Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

POSITION/ORGANIZATIONAL CHART
(Key Employees Only)
 As of December 31, 2019



Prepared in accordance with the
 Approved Organizational Structure:

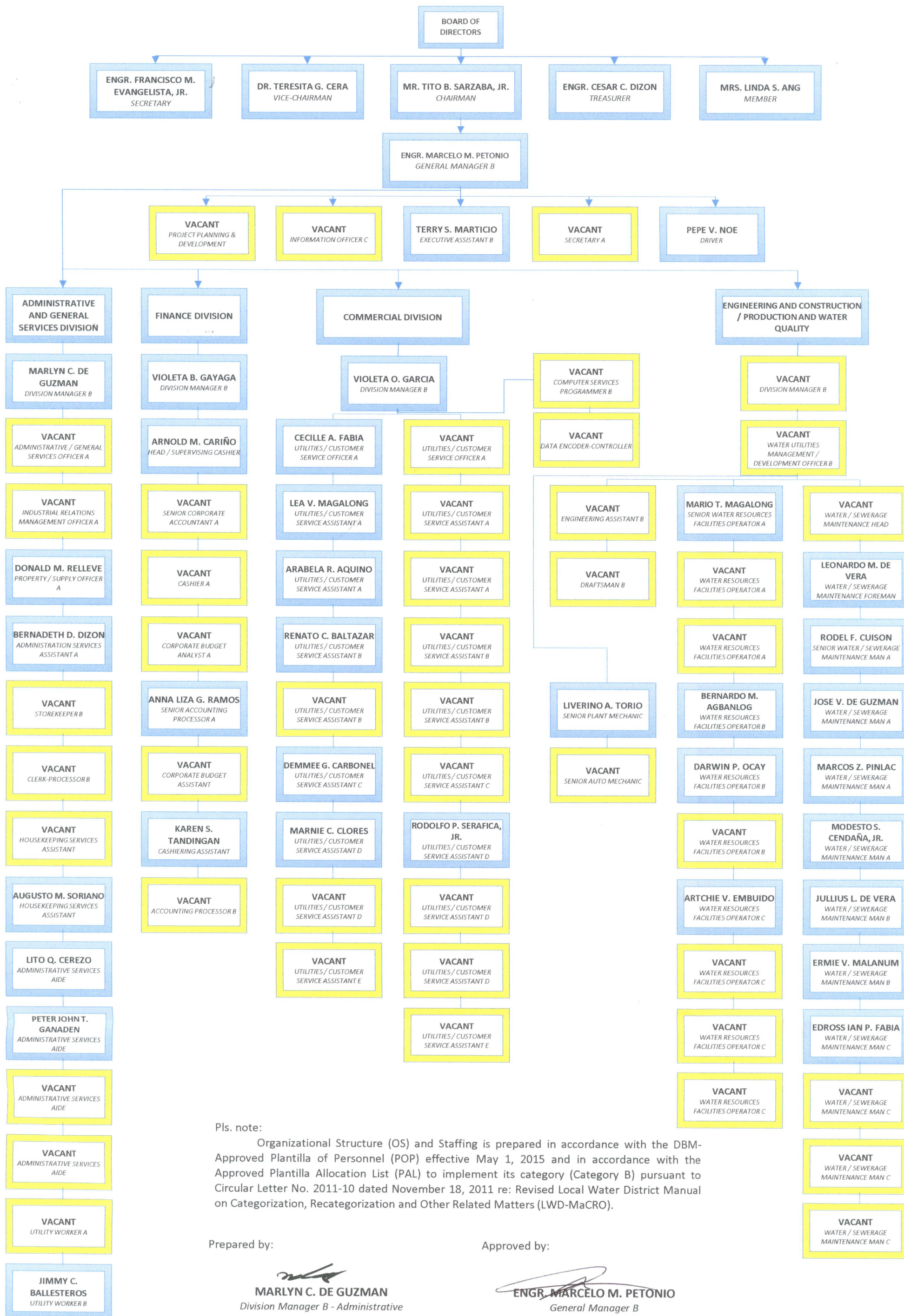

MARLYN C. DE GUZMAN
 Division Manager B - Administrative

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager B

ORGANIZATIONAL STRUCTURE & STAFFING

CATEGORY "B"



Pls. note:

Organizational Structure (OS) and Staffing is prepared in accordance with the DBM-Approved Plantilla of Personnel (POP) effective May 1, 2015 and in accordance with the Approved Plantilla Allocation List (PAL) to implement its category (Category B) 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:

Approved by:

MARLYN C. DE GUZMAN
 Division Manager - Administrative

ENGR. MARCELO M. PETONIO
 General Manager B

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

AGENCY:

MANGALDAN WATER DISTRICT
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

ANNEX C

page 1 of 11

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
OFFICE OF THE GENERAL MANAGER														
1	General Manager B	27	2	104,453.00	123,393.00	18,940.00	Petonio, Marcelo Magno	Male	12/08/65	197-325-246	01/17/94	05/04/18	Permanent	RA 1080 (Mechanical Engineer)
2	Executive Assistant B	17	2	35,201.00	37,400.00	2,199.00	Marticio, Terry Sigua	Female	11/18/77	924-827-951	02/01/02	05/04/18	Co-terminous w/ the Appointing Authority	Subprofessional
6	Driver	4	2	13,214.00	13,316.00	102.00	Noe, Pepe Visperas	Male	09/25/73	260-292-663	02/16/16	02/16/19**	Co-terminous w/ the Appointing Authority	MC No. 10., s. 13 (Cat. IV) Professional Driver's License
TOTAL PER OFFICE				152,868.00	174,109.00	21,241.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

page 2 of 11

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
ADMINISTRATIVE AND GENERAL SERVICES DIVISION														
7	Division Manager B	23	2	66,587.00	75,015.00	8,428.00	De Guzman, Marlyn Cruz	Female	07/18/68	100-493-933	08/01/94	05/04/18	Permanent	PD 907
10	Property/Supply Officer A	14	1	26,494.00	27,755.00	1,261.00	Relleve, Donald Mejia	Male	11/18/79	278-038-807	03/16/10	12/18/17	Permanent	Professional
11	Administration Services Assistant A	12	2	22,410.00	23,222.00	812.00	Dizon, Bernadeth De Luna	Female	06/07/70	922-294-610	01/02/07	10/01/18	Permanent	Professional
15	Housekeeping Services Assistant	6	2	14,459.00	14,961.00	502.00	Soriano, Augusto Muyano	Male	08/22/70	927-818-690	10/17/05	10/01/18	Permanent	MC No. 11, s. 96 (Cat. III)
16	Administrative Services Aide	4	1	12,674.00	13,214.00	540.00	Ganaden, Peter John Tanguilig	Male	07/06/90	310-908-800	12/18/17	-	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. III)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
ADMINISTRATIVE AND GENERAL SERVICES DIVISION														
18	Administrative Services Aide	4	2	12,778.00	13,316.00	538.00	Cerezo, Lito Quidilig	Male	09/13/65	938-226-349	01/16/14	10/01/18	Permanent	MC No. 11, s. 96 (Barangay Official)
21	Utility Worker B	1	1	10,510.00	11,068.00	558.00	Ballesteros, Jimmy Caramat	Male	01/01/88	458-092-469	12/18/17	-	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. III)
TOTAL PER OFFICE				165,912.00	178,551.00	12,639.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
FINANCE DIVISION														
22	Division Manager B	23	2	66,587.00	75,015.00	8,428.00	Gayaga, Violeta Bautista	Female	07/26/57	124-764-651	11/16/81	05/04/18	Permanent	Professional
23	Head/Supervising Cashier	19	1	42,099.00	45,269.00	3,170.00	Cariño, Arnold Movido	Male	03/04/63	124-764-708	07/16/85	12/18/17	Permanent	Professional
27	Senior Accounting Processor A	12	2	22,410.00	23,222.00	812.00	Ramos, Anna Liza Garcia	Female	09/03/79	929-863-625	03/01/05	1/16/17**	Permanent	Professional
29	Cashiering Assistant	8	1	16,282.00	16,758.00	476.00	Tandingan, Karen Soriano	Female	10/26/86	942-186-574	01/16/14	12/18/17	Permanent	Professional
TOTAL PER OFFICE				147,378.00	160,264.00	12,886.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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MANGALDAN WATER DISTRICT
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appoint- ment (14)	Career Service Eligibility (15)
COMMERCIAL DIVISION														
31	Division Manager B	23	2	66,587.00	75,015.00	8,428.00	Garcia, Violeta Ogoy	Female	12/09/66	197-325-239	01/16/92	05/04/18	Permanent	RA 1080 (CPA); PD 907
32	Utilities/Customer Service Officer A	16	1	31,765.00	33,584.00	1,819.00	Fabia, Cecille Aquino	Female	05/15/77	919-681-654	04/15/02	12/18/17	Permanent	Professional
35	Utilities/Customer Service Assistant A	12	7	23,763.00	24,697.00	934.00	Magalong, Lea Visperas	Female	02/09/63	124-764-677	02/16/89	04/15/17**	Permanent	Subpro- fessional
38	Utilities/Customer Service Assistant A	12	1	22,149.00	22,938.00	789.00	Aquino, Arabela Reyes	Female	05/11/72	168-036-524	05/17/99	12/18/17	Permanent	Subpro- fessional

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

AGENCY:

MANGALDAN WATER DISTRICT
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

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Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
COMMERCIAL DIVISION														
39	Utilities/Customer Service Assistant B	10	5	19,384.00	19,884.00	500.00	Baltazar, Renato Dela Cruz	Male	03/25/68	915-454-508	03/16/99	10/01/17**	Permanent	Subprofessional
44	Utilities/Customer Service Assistant C	8	1	16,282.00	16,758.00	476.00	Carbonel, Demmee Gutierrez	Female	04/01/91	445-102-399	08/01/16	12/18/17	Permanent	Professional
46	Utilities/Customer Service Assistant D	6	6	15,309.00	15,426.00	117.00	Serafica, Jr., Rodolfo Paragas	Male	11/23/67	915-454-524	04/15/02	11/14/19**	Permanent	Subprofessional
47	Utilities/Customer Service Assistant D	6	2	14,459.00	14,961.00	502.00	Clores, Marnie Biagtan	Male	01/05/76	278-091-488	03/16/10	10/01/18	Permanent	MC No. 11, s. 96 (Barangay Official)
TOTAL PER OFFICE				209,698.00	223,263.00	13,565.00								

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

page 7 of 11

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
55	Water/Sewerage Maintenance Foreman	14	1	26,494.00	27,755.00	1,261.00	De Vera, Leonardo Mosarbas	Male	11/02/65	926-118-179	02/20/06	01/03/19	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. II-Mechanical/Electrical Operator)
57	Senior Plant Mechanic	14	1	26,494.00	27,755.00	1,261.00	Torio, Liverino Acierto	Male	09/29/69	929-868-700	05/02/08	12/18/17	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. II-Mechanic)
58	Senior Water/Sewerage Maintenance Man A	12	1	22,149.00	22,938.00	789.00	Cuison, Rodel Ferrer	Male	12/09/78	929-868-696	10/17/05	12/18/17	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. III)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

AGENCY:

MANGALDAN WATER DISTRICT
Serafica St., Mangaldan, Pangasinan

CATEGORY "B" WATER DISTRICT

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Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
55	Water/Sewerage Maintenance Foreman	14	1	26,494.00	27,755.00	1,261.00	De Vera, Leonardo Mosarbas	Male	11/02/65	926-118-179	02/20/06	01/03/19	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. II-Mechanical/Electrical Operator)
57	Senior Plant Mechanic	14	1	26,494.00	27,755.00	1,261.00	Torio, Liverino Acierto	Male	09/29/69	929-868-700	05/02/08	12/18/17	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. II-Mechanic)
58	Senior Water/Sewerage Maintenance Man A	12	1	22,149.00	22,938.00	789.00	Cuison, Rodel Ferrer	Male	12/09/78	929-868-696	10/17/05	12/18/17	Permanent	MC No. 11, s. 96 as amended by MC No. 10, s. 2013 (Cat. III)

PLANTILLA OF PERSONNEL AND SALARY ADJUSTMENT
As Required Under Item No. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

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Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
ENGINEERING AND CONSTRUCTION AND PRODUCTION AND WATER QUALITY DIVISION														
67	Water/Sewerage Maintenance Man B	6	7	15,066.00	15,545.00	479.00	De Vera, Jullius Lopez	Male	07/05/71	197-325-221	05/29/97	04/15/17**	Permanent	MC No. 11, s. 96 (Cat. III)
68	Water/Sewerage Maintenance Man B	6	1	14,340.00	14,847.00	507.00	Malanum, Ermie Villaruz	Male	03/10/76	278-038-339	01/16/14	01/03/19	Permanent	MC No. 11, s. 96 as amended (Cat. III)
69	Water Resources Facilities Operator B	6	1	14,340.00	14,847.00	507.00	Ocay, Darwin Prestoza	Male	03/28/71	932-395-671	03/16/11	01/03/19	Temporary	MC No. 11, s. 96 as amended (Cat. III)
71	Water Resources Facilities Operator B	6	2	14,459.00	14,961.00	502.00	Agbanlog, Bernardo Mangiralas	Male	11/02/75	278-038-033	03/16/11	10/01/18	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. 5.0 of Corporate Budget Circular No. 23 dated January 15, 2019

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

CATEGORY "B" WATER DISTRICT

Unique Item No. CY 2015 (1)	DBM-APPROVED Position Title (2)	Salary Grade (3)	Salary Step (4)	Actual Monthly Basic Salary as of Dec. 31, 2018 (in Pesos) (5)	Adjusted* Monthly Basic Salary Effective Jan. 1, 2019 (in Pesos) (6)	Monthly Salary Adjustment Effective Jan. 1, 2019 (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)	Status of Appointment (14)	Career Service Eligibility (15)
GRAND TOTAL				904,000.00	972,213.00	68,213.00								

Note:

* The salary rates are in accordance with the Fourth Monthly Salary Schedule for Civilian Personnel under Section 3 of EO No. 201 dated February 19, 2016 as implemented by CBC No. 23 dated January 15, 2019.

** Date of Last Step Increment.

Prepared as of December 31, 2019 as per DBM-APPROVED Plantilla of Personnel dated January 31, 2019 by:


MARLYN C. DE GUZMAN
 Division Manager B - Administrative

APPROVED BY:


ENGR. MARCELO M. PETONIO
 General Manager B

Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan
(Name of Agency)

PLANTILLA OF CASUAL APPOINTMENTS

Department/Office: MANGALDAN WATER DISTRICT

Source of Funds: MAWAD CORPORATE FUND CY 2019

INSTRUCTIONS:

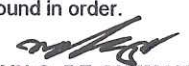
- (1) Only a maximum of fifteen (15) appointees must be listed on each page of the Plantilla of Casual Appointments.
- (2) Indicate "NOTHING FOLLOWS" on the row following the name of the last appointee on the last page of the Plantilla.
- (3) Provide proper pagination (Page n of n page/s).

	NAME OF APPOINTEE/S				POSITION TITLE (Do not abbreviate)	EQUIVALENT SALARY/ JOB/ PAY GRADE	DAILY WAGE	PERIOD OF EMPLOYMENT		NATURE OF APPOINTMENT (Original/ Reappointment/ Reemployment)	ACKNOWLEDGEMENT OF APPOINTEE/S	
	Last Name	First Name	Name Extension (Jr/III)	Middle Name				From (mm/dd/yyyy)	To (mm/dd/yyyy)		Signature	Date Received
1	BILLOSILLO	GERALD	NONE	LANDINGIN	ADMINISTRATIVE AIDE I	1	503.09	07/02/2019	12/31/2019	Reemployment	<i>original signed</i>	07/02/2019
2	DE GUZMAN	RHEY	NONE	DE VERA	ADMINISTRATIVE AIDE I	1	503.09	08/01/2019	12/31/2019	Reemployment	<i>original signed</i>	08/01/2019
3	PASCUA	MAE GISELLE	NONE	IMUAN	ADMINISTRATIVE AIDE I	1	503.09	07/02/2019	12/31/2019	Reemployment	<i>original signed</i>	07/02/2019
4	SENIN	VENUS	NONE	BAUTISTA	ADMINISTRATIVE AIDE I	1	503.09	07/02/2019	12/31/2019	Reemployment	<i>original signed</i>	07/02/2019
5	NOTHING FOLLOWS											
7												
8												

The abovenamed personnel are hereby hired/appointed as casuals at the rate of compensation stated opposite their names for the period indicated. It is understood that such employment will cease automatically at the end of the period stated unless renewed. Any or all of them may be laid-off any time before the expiration of the employment period when their services are no longer needed or funds are no longer available or the project has already been completed/finished or their performance are below par.


CERTIFICATION:

This is to certify that all the requirements and supporting documents pursuant to **CSC MC No. 24, s, 2017, as amended**, have been complied with, reviewed and found in order.


MARLYN C. DE GUZMAN, DIVISION MANAGER B
HRMO

Date: 07/02/2019

APPOINTING OFFICER / AUTHORITY:


ENGR. MARCELO M. PETONIO
GENERAL MANAGER B
(Position)

Date: 07/02/2019

ACCREDITED PURSUANT TO:

CSC Resolution No.: 1301352, S. 2013

Date : July 2, 2013

**LIST OF JOB ORDER PERSONNEL
as of December 31, 2019**

Agency name: Mangaldan Water District
Regional Office No: I

NO.	Name of Personnel			DATE OF BIRTH MMDDYYYY	SEX (pls. select)	Level of CS Eligibility (pls. select)	WORK STATUS (pls. select)	No. of Years of Service as JO/COS/MOA personnel	NATURE OF WORK	
	SURNAME	FIRST NAME/ EXTENSION NAME	MIDDLE INITIAL						Pls select	Please specify
1	Bauzon	Mark Andrew	C	11/30/1985	Male	No eligibility	Job-Order	0	Others	assist in plumbing
2	Celeste	Lailane	G	10/22/1996	Female	2nd level	Job-Order	0	Clerical services	assist in billing
3	De Vera	Joel/Jr.	P	01/28/1982	Male	No eligibility	Job-Order	0	Others	assist in meter reading
4	Dumo	Danilo/Jr.	N	02/09/1990	Male	No eligibility	Job-Order	0	Others	assist in meter reading
5	Obrar	Jose/Jr.	C	09/10/1982	Male	No eligibility	Job-Order	0	Others	assist in meter reading
6	Palaganas	Brenwin Dale	G	01/21/1998	Male	2nd level	Job-Order	0	Others	assist in engineering works
7	Sulit	Jerry/Jr.	P	11/04/1994	Male	No eligibility	Job-Order	1	Others	assist in meter reading
8	NOTHING FOLLOWS									
9										
10										

Prepared by:


MARLYN C. DE GUZMAN
Division Manager B - Administrative

CERTIFIED AS TO THE EXISTENCE OF BUDGET APPROPRIATION:


VIOLETA B. GAYAGA
Division Manager B - Finance

APPROVED BY:


ENGR. MARCELO M. PETONIO
General Manager B

MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

"Annex D"

Yearly Log of Board Actions
2019

Board Resolution No.	Date	TITLE
001-19	1-11-2019	Subscribing to Landbank's WeAcces and Amending Board Resolution No. 9 s' 2014 and authorizing Engr. Marcelo M. Petonio as the Authorizer and Ms. Anna Liza G. Ramos as the Maker
002-19	1-25-2019	Approving the implementation of the Fourth Tranche Compensation Adjustment as per Corporate Budget Circular No. 23 issued by the DBM dated Jan. 15, 2019
003-19	1-25-2019	Approving BAC recommendation declaring JB Sachi Marketing as the Single Calculated and Responsive Quotation for the supply and delivery of 500 pcs Water Meter 1/2 under Section 53 Negotiated Procurement
004-19	2-15-2019	Requesting the approval of the purchase of a Motor Vehicle
005-19	2-26-2019	Designating Ms. Karen S. Tandingan as the Data Protection office of the Mangaldan Water District
006-19	3-30-2019	Authorizing the General Manager Engr. Marcelo M. Petonio and the Head Supervising Cashier, Mr. Arnold M. Carino for the renewal of Mangaldan Water District's accreditation under Salary Loan Program
007-19	3-30-2019	Approving BAC recommendation declaring LINKWISE Technology Phils, Inc. as the Single Calculated and Responsive Quotation for the supply, delivery and installation of two units PICOBOX under SHOPPING and authorizing the General Manager Engr. Marcelo M. Petonio to enter into contract with the Supplier
008-19	4-12-2019	Approving BAC recommendation declaring JEMA Multi Trading, Inc. as the Lowest Calculated and Responsive Quotation for the supply and delivery of UPVC Pipes and Fittings of various sizes under Negotiated Procurement and authorizing the General Manager to enter into contract of agreement with the Supplier
009-19	5-17-2019	Amendment of the Citizen Charter of the Mangaldan Water District
010-19	5-17-2019	Approving the giving of donation in the amount of P30,000.00 to St. Thomas Church as Major Sponsor
011-19	6-14-2019	Approving the grant of Cash Incentive Award to MAWAD employees
012-19	6-28-2019	Renewal of DBP's Pick up of Daily Collection of Deposit of the Mangaldan Water District
013-19	6-28-2019	Approving the purchase of lot with an area of 110 sq.mtrs in Brgy. Osiem and authorizing the General Manager to sign and execute documents for and in behalf of the Mangaldan Water District
014-19	7-29-2019	Resolution to temporarily stop the application of water connection of those who desires to operate business in water refilling station
015-19	7-29-2019	Approving taking the opportunity to avail the tax amnesty and settle the District's tax liability covering the period 2000, 2001 and 2002 and authorizing Ms. Violeta B. Gayaga to transact with the BIR regarding the tax assessment and payment of the same

cont...

Board Resolution No.	Date	TITLE
016-19	8-16-2019	Approving the purchase of lot with an area of 778 sq. mtrs. In Brgy. Tebag and authorizing the General Manager to sign and execute documents for and in behalf of the Mangaldan Water District
017-19	8-16-2019	Approving BAC Resolution declaring Northern Plex Office supplies as the Single Calculated and Responsive Quotation for the supply and delivery of statement of accounts for billing and collection under Section 53 Negotiated Procurement
018-19	9-27-2019	Approving BAC recommendation declaring Toyota Dagupan as the Single Calculated and responsive bid for the supply and delivery of one brand new service vehicle and authorizing the GM to enter into contract of agreement with the supplier
019-2019	9-27-2019	Approving the CAPEX for the year 2020
020-2019	9-27-2019	Authorizing the Prime Water to conduct a feasibility study
021-19	10-11-2019	Approving BAC resolution declaring Nationwide Printers as the Lowest Calculated and Responsive quotation for the supply and delivery of MAWAD 2020 commercial calendars and authorizing the GM to enter into contract of agreement with the supplier
022-19	10-11-2019	Approving BAC recommendation declaring Interactive drilling corporation as the Single Calculated and Responsive bid for the drilling of one exploratory well and authorizing the GM to enter into contract of agreement with the contractor
023-19	10-24-2019	Approving the Gender and Development Seminar
024-19	11-8-2019	Approving the renewal of six casual employees
025-19	11-8-2019	Approving the budget for operating revenue and expenses for CY 2020
026-19	11-22-2019	Approving the adoption of Performance Based Incentive System in the Mangaldan Water District Board of Directors, allocating funds thereof and authorizing its release in accordance with LWUA Memo Circular No. 006-16
027-19	11-22-2019	Approving the revision of Mangaldan Water District Freedom of Information Manual
028-19	11-22-2019	Approving the enumerated projects for implementation
029-19	12-6-2019	Acceptance of Ms. Anabelle C. Gravador as the new co-signatory of the GM for the LWUA-WD Joint Savings Account (Acct. No. 2641-0465-42) and authorizing head cashier, Mr. Arnold Carino as the co-signatory of the GM for the Mangaldan Water District deposit in Landbank under current account no. 2642-1030-94 and high yield savings account no. 2641-0495-09
030-19	12-6-2019	Approving the Grant of Service Recognition Incentive to government employees for FY 2019
031-19	12-6-2019	Approving the grant of christmas gift to MAWAD caretakers in Brgy. Pogo, Bari, Macayug and Anolid and Security guards of MAWAD in Brgy. Salay old and new


cont...

Board Resolution No.	Date	TITLE
033-19	12-20-2019	Approving the recommendation of the Admin Division Manager to give the GM a leadership Award for his exemplary performance
034-19	12-20-2019	Giving certificate of appreciation to outgoing members of the Board supply of materials for the expansion of distribution lines

Prepared by:


TERRY S. MARTICIO
Executive Assistant B

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 MICROBIOLOGICAL TEST
MONTH OF JANUARY 2019**

1) Population actually served by utility 65,905
(No. of service connections x average no. of persons
per service connection)

No. of service connections 13,181

2) Required minimum number of sample based on the following 16

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 16
b. Percent (%) to the minimum required 100
c. Meets Standard Yes No
(If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

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 NONE
b. Percent (%) to total number of Samples analyzed 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
b. Number of samples showing HPC value < 500 CFU/ml 0
c. Percent (%) to the number of tests conducted (b / a x 100) 100
d. Meets Standard Yes No
(If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:


ENGR. MARCELO M. PETONIO
General Manager

7-Feb-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF FEBRUARY 2019**

1) Population actually served by utility 66,135
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,227

2) Required minimum number of sample based on the following 16

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 16

b. Percent (%) to the minimum required 100

c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE

b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0

c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE

b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0

c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE

b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0

c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE

b. Percent (%) to total number of Samples analyzed 0

c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16


b. Number of samples showing HPC value < 500 CFU/ml 0

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

d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:


ENGR. MARCELO M. PETONIO
 General Manager

14-Mar-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF MARCH 2019**

1) Population actually served by utility 66,455
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,291

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 0
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

8-Apr-19

Date

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF APRIL 2019

1) Population actually served by utility 66,660
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,332

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 0
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:


ENGR. MARCELO M. PETONIO

General Manager

14-May-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF MAY 2019**

1) Population actually served by utility 66,985
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,397

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 0
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO
 General Manager

11-Jun-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF JUNE 2019**

1) Population actually served by utility 67,290
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,458

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 16
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

13-Aug-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF JULY 2019**

1) Population actually served by utility 67,630
(No. of service connections x average no. of persons
per service connection)

No. of service connections 13,526

2) Required minimum number of sample based on the following 16

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 16
b. Percent (%) to the minimum required 100
c. Meets Standard Yes No
(If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

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 NONE
b. Percent (%) to total number of Samples analyzed 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
b. Number of samples showing HPC value < 500 CFU/ml 16
c. Percent (%) to the number of tests conducted (b / a x 100) 100
d. Meets Standard Yes No
(If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO
General Manager

13-Aug-19

Date

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF AUGUST 2019

1) Population actually served by utility 67,915
 (No. of service connections x average no. of persons
 per service connection)

No. of service connections 13,583

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 16
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:


ENGR. MARCELO M. PETONIO

General Manager

13-Sep-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF SEPTEMBER 2019**

1) Population actually served by utility 68,135
(No. of service connections x average no. of persons
per service connection)

No. of service connections 13,627

2) Required minimum number of sample based on the following 16

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 16
b. Percent (%) to the minimum required 100
c. Meets Standard Yes No
(If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
c. Meets Standard Yes No
(If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST) NONE

a. Number of samples showing presence of coliform
b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

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 NONE
b. Percent (%) to total number of Samples analyzed 0
c. Meets Standard Yes No
(If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
b. Number of samples showing HPC value < 500 CFU/ml 16
c. Percent (%) to the number of tests conducted (b / a x 100) 100
d. Meets Standard Yes No
(If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:


ENGR. MARCELO M. PETONIO

General Manager

1-Oct-19

Date

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF OCTOBER 2019

1) Population actually served by utility 68,310
 (No. of service connections x average no. of persons
 per service connection)

No. of service connections 13,662

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 16
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager/s

4-Nov-19

Date

MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF NOVEMBER 2019

1) Population actually served by utility 68,545
 (No. of service connections x average no. of persons
 per service connection)

No. of service connections 13,709

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 16
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO
 General Manager

28-Nov-19

Date

**MANGALDAN WATER DISTRICT
SUMMARY REPORT ON MICROBIOLOGICAL TEST
MONTH OF DECEMBER 2019**

1) Population actually served by utility 68,700
 (No. of service connections x average no. of persons
 per service connection)
 No. of service connections 13,740

2) Required minimum number of sample based on the following 16

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 16
 b. Percent (%) to the minimum required 100
 c. Meets Standard Yes No
 (If b is 100% or more, check Yes)

4) Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group NONE
 b. Percent (%) to samples examined (4.1.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies NONE
 b. Percent (%) to the total number of sample analyzed (4.2.a / 3.a x 100) 0
 c. Meets Standard Yes No
 (If b is 5% or less, check Yes)

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform NONE
 b. Percent (%) to total number of sample examined (4.3.a/3.a x 100) 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

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 NONE
 b. Percent (%) to total number of Samples analyzed 0
 c. Meets Standard Yes No
 (If a is Zero, check Yes)

C. Heterotrophic Plate Count (HPC)

a. Number of HPC tests conducted 16
 b. Number of samples showing HPC value < 500 CFU/ml 16
 c. Percent (%) to the number of tests conducted (b / a x 100) 100
 d. Meets Standard Yes No
 (If c is 100%, check Yes)

(Please attach laboratory test results with this summary form)

SUBMITTED BY:

ENGR. MARCELO M. PETONIO

General Manager

3-Jan-2020

Date

SUITE 807, UNION SQUARE CONDOMINIUM 15TH AVENUE, CUBAO, QUEZON CITY
TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0788
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station #1 Poblacion

Date/Time of : 24-May-19
Collection : 7:15 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0826


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.55	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 193	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

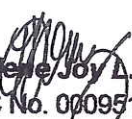
NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017


Analyzed by:


Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:


Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:...


Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

THIS REPORT IS NOT VALID WITHOUT DRY SEAL

THIS REPORT CANNOT BE DUPLICATED OR REPRODUCED EXCEPT IN FULL AND SHALL NOT BE USED FOR ADVERTISEMENT OR LITIGATION WITHOUT THE WRITTEN PERMISSION FROM PRLI

SUITE 807, UNION SQUARE CONDOMINIUM 15TH AVENUE, CUBAO, QUEZON CITY
TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0789
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 2 Banaoang

Date/Time of : 24-May-19
Collection : 7:58 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0827


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units) :	10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH* :	7.53	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)* :	329	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L) :	<MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic :	<MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017


Analyzed by:


Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:


Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:


Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0790
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 3 Salay National Road

Date/Time of : 24-May-19
Collection : 8:45 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0828


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units) :	10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	7.89	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)* :	258	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L) :	<MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	<MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0791
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 4 Guilig

Date/Time of : 24-May-19
Collection : 7:30 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0829


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.63	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 283	600		2540.C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0792
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 5 Pogo

Date/Time of : 24-May-19
Collection : 9:15 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0830


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.21	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 332	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0793
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 6 Lanas

Date/Time of : 24-May-19
Collection : 9:45 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0831


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units) :	10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	7.87	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)* :	243	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L) :	<MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic :	<MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

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TEST REPORT

Sample Lab. No. : 19-0794
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 7 Amansabina

Date/Time of : 24-May-19
Collection : 8:15 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0832

PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units) :	10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH* :	7.65	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)* :	369	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L) :	0.9	50		4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic :	<MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0795
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 8 Guiguilonen

Date/Time of : 24-May-19
Collection : 7:00 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0833


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.78	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 295	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: 0.4	50		4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0796
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 9 Bari

Date/Time of : 24-May-19
Collection : 10:40 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0834


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.65	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 394	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0797
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 10 Salay Motorpool

Date/Time of : 24-May-19
Collection : 8:55 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0835


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.47	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 316	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

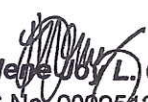
NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
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TEST REPORT

Sample Lab. No. : 19-0798
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 11 Macayug

Date/Time of : 24-May-19
Collection : 11:00 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0836


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.51	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 276	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

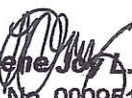
NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
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PNSDW - Philippine National Standards for Drinking Water
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TEST REPORT

Sample Lab. No. : 19-0799
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Deepwell
Location : Pumping Station # 12 Anolid

Date/Time of : 24-May-19
Collection : 10:10 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2019-0837


PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Apparent Color (Color Units)	: 10	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.64	6.5 - 8.5		4500-H+ B. Electrometric
Total Dissolved Solids (mg/L)*	: 541	600		2540 C. Gravimetric dried at 180°C
Nitrate (mg/L)	: <MDL	50	0.28	4500-NO ₃ ⁻ D Electrode Method
METAL ANALYSIS (mg/L)				
Arsenic	: <MDL	0.01	0.004	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
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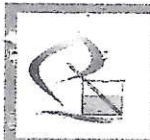
Noted by:


Louvelyn A. Bagarra
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TEST REPORT

Sample Lab. No. : 19-0800
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Samuel Deguzman
Location : Anolid

Date/Time of : 24-May-19
Collection : 10:20 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0838

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.01	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.50	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation, 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Certified by:

Noted by:

Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Harlene Joy L. Cruz
PRC No. 0009312
Date: June 10, 2019

Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0801
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Joselito Calda Jr.
Location : 1081 St. Bari

Date/Time of : 24-May-19
Collection : 7:50 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2018-0839

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 0.92	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.67	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

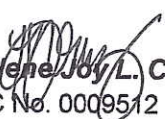
REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation, 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017


Analyzed by:

Certified by:

Noted by:


Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

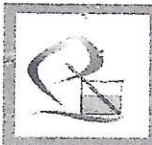

Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019


Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

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TEST REPORT

Sample Lab. No. : 19-0802
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Aurora De Vera
Location : Guiguilonen

Date/Time of : 24-May-19
Collection : 10:55 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2018-0840

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 0.94	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.64	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained. Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:

Harlene Joy L. Cruz
Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

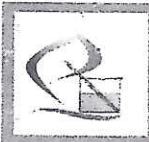
Noted by:

Louvelyn A. Bagarra
Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEST REPORT

Sample Lab. No. : 19-0803
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Samuel Gorospe
Location : Malabago

Date/Time of : 24-May-19
Collection : 10:30 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0841

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.37	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.63	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Certified by:

Noted by:

Lorraine Mae S. Asaytuno
Lorraine Mae S. Asaytuno
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Date: June 10, 2019

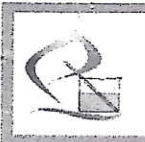
Harlene Joy L. Cruz
Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Louvelyn A. Bagarra
Louvelyn A. Bagarra
PRC.No. 0025350
Date: June 10, 2019

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TEST REPORT

Sample Lab. No. : 19-0804
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Haguibis Pajardo
Location : Pogo

Date/Time of : 24-May-19
Collection : 9:25 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2018-0842

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 0.88	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.29	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation, 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
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Date: June 10, 2019

Certified by:

Harden Joy L. Cruz
Harden Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

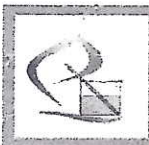
Noted by:

Louvelyn A. Bagarra
Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

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TEST REPORT

Sample Lab. No. : 19-0805
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Remedios Pajardo
Location : Salaan

Date/Time of : 24-May-19
Collection : 9:00 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0843

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.01	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 5	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.42	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained. Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
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Date: June 10, 2019

Certified by:

Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

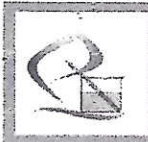
Noted by:

Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

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TEST REPORT

Sample Lab. No. : 19-0806
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Naty Bautista
Location : Lanas

Date/Time of : 24-May-19
Collection : 9:50 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0844

WATER QUALITY					
PHYSICAL ANALYSIS					
Parameters	Results	PNSDW Limit	MDL	Methodology	
Turbidity (NTU)	: 0.90	5		2130 B. Nephelometric Method	
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison	
CHEMICAL ANALYSIS					
pH*	: 7.65	6.5 - 8.5		4500-H+ B. Electrometric	
METAL ANALYSIS (mg/L)					
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS	
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS	

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:

Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:

Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0807
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Mawad Office
Location : Serafica St.


Date/Time of : 24-May-19
Collection : 11:10 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0845

WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.06	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.63	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained. Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:

Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:

Louyelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

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TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0808
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Joe Dizon
Location : Bari

Date/Time of : 24-May-19
Collection : 10:50 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0846


WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 0.91	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.95	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

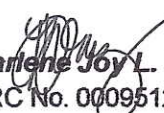
NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017


Analyzed by:


Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:


Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

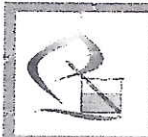
Noted by:


Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEST REPORT

Sample Lab. No. : 19-0809
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Noime Ballesteros
Location : Banaoang West

Date/Time of : 24-May-19
Collection : 8:30 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0847

WATER QUALITY					
PHYSICAL ANALYSIS					
Parameters	Results	PNSDW Limit	MDL	Methodology	
Turbidity (NTU)	: 1.06	5		2130 B. Nephelometric Method	
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison	
CHEMICAL ANALYSIS					
pH*	: 7.59	6.5 - 8.5		4500-H+ B. Electrometric	
METAL ANALYSIS (mg/L)					
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS	
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS	

REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
 MDL - Method Detection Level , nil - not detectable by the method used (result <MDL)
 PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained. Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:
Lorraine Mae S. Asaytuno
Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:
Harlene Joy L. Cruz
Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:
Louvelyn A. Bagarra
Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0810
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Carmelio Bautista
Location : Macayug


Date/Time of : 24-May-19
Collection : 11:05 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # PC-2018-0848


WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.08	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.41	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS


REMARKS: All parameters measured are within the permissible level set by the PNSDW.

NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017

Analyzed by:

Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:

Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:

Louvelyn A. Bagarra
PRC No. 0026350
Date: June 10, 2019

End of Report.

THIS REPORT IS NOT VALID WITHOUT DRY SEAL

THIS REPORT CANNOT BE DUPLICATED OR REPRODUCED EXCEPT IN FULL AND SHALL NOT BE USED FOR ADVERTISEMENT OR LITIGATION WITHOUT THE WRITTEN PERMISSION FROM PRLI

SUITE 807, UNION SQUARE CONDOMINIUM 15TH AVENUE, CUBAO, QUEZON CITY
TEL/FAX: 911-3062/912-6537 Email: platinumlaboratory@gmail.com

TEST REPORT

Sample Lab. No. : 19-0811
Submitted By : Mangaldan Water District
Contact Number : NA
Sample Source : Andrea Erosa
Location : Buenlag

Date/Time of : 24-May-19
Collection : 8:20 AM
Receipt : 24-May-19
Examination : 24-May-19
Test Report # : PC-2018-0849


WATER QUALITY				
PHYSICAL ANALYSIS				
Parameters	Results	PNSDW Limit	MDL	Methodology
Turbidity (NTU)	: 1.26	5		2130 B. Nephelometric Method
Apparent Color (Color Units)	: 8	10		2120 B. Visual Comparison
CHEMICAL ANALYSIS				
pH*	: 7.44	6.5 - 8.5		4500-H+ B. Electrometric
METAL ANALYSIS (mg/L)				
Cadmium	: <MDL	0.003	0.0004	3113 B. Electrothermal AAS
Lead	: <MDL	0.01	0.002	3113 B. Electrothermal AAS

REMARKS: All parameters measured are within the permissible level set by the PNSDW.


NOTES: * ISO/IEC 17025:2005 Accredited Parameters.
MDL - Method Detection Level, nil - not detectable by the method used (result <MDL)
PNSDW - Philippine National Standards for Drinking Water
The result apply only to the sample tested by PRLI and shall not be interpreted as approval, disapproval, rejection or endorsement of product from which the sample was obtained.
Result(s) of the examination is/are specifically related to sample(s) as received.

REFERENCES: American Public Health Association, American Water Works Association, and Water Environment Federation. 2012 Standard Methods for the Examination of Water and Waste Water. 22nd Edition., American Public Health Assoc., Washington D.C.
Dept. of Health, Philippine National Standards for Drinking Water 2017


Analyzed by:


Lorraine Mae S. Asaytuno
PRC No. 0013916
Date: June 10, 2019

Certified by:


Harlene Joy L. Cruz
PRC No. 0009512
Date: June 10, 2019

Noted by:


Louvelyn A. Bagarra
PRC No. 0025350
Date: June 10, 2019

End of Report.

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MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TRIAL BALANCE
December 31, 2019

TEAM 5, AUDIT GROUP
COA, REG. I
DATE: 01/24/2020
RECEIVED BY: *Junkans*

Code	Particulars	DEBIT	CREDIT
1 01 01 01	Cash on Hand	140,228.62	
1 99 01 020	Advances for Payroll	-	
1 01 01 020	Petty Cash Fund	5,000.00	
1 01 02 020	Cash in Bank - Local Currency, Current Account DBP	65,907,521.14	
	Cash in Bank - Local Currency, Current Account LB-EBCS	1,339,741.34	
1 01 02 040	Cash in Bank - Local Currency, Time Deposit CD DBP	3,739,751.50	
	Cash in Bank - Local Currency, Time Deposit MSF LB (Ret. & Benefits)	4,560,963.59	
1 03 01 010	Accounts Receivable - Gen. Customers	2,691,332.11	
1 03 05 020	Due from Officers and Employees	-	
1 03 05 990	Other Receivables	161,500.00	
1 04 04 010	Office Supply Inventory	75,360.51	
1 04 04 020	Accountable Forms Inventory	380,021.08	
1 04 04 080	Fuel, Oil & Lubricants	40,761.30	
1 04 04 120	Chemical & Filtering Supplies Inventory	12,700.00	
1 04 04 130	Construction Materials Inventory	929,785.55	
1 04 04 990	Other Inventory - PPE	1,774,959.00	
1 99 02 050	Prepaid Insurance	143,693.67	
	Other Deferred Debits	211,430.71	
1 99 99 990	Other Current Assets	401,434.35	
1 02 02 010	Sinking Fund (LB)	10,867,992.98	
1 06	Property Plant & Equipment	103,705,148.58	
1 06	Accumulated Depreciation - P.P.E		46,952,233.04
1 06 99	Construction Work in Progress	-	
1 03 01 011	Allowance for Doubtful Accounts		136,336.31
2 01 01 010	Accounts Payable		671,504.65
2 02 01 010	Due to BIR		210,437.71
2 02 01 020	Due to GSIS		333,625.37
2 02 01 030	Due to Pag-Ibig		38,232.51
2 02 01 040	Due to Philhealth		23,865.75
2 04 01 050	Guaranty Deposit - General Customers		3,414,384.65
2 04 01 030	Bail Bonds Payable		640,073.95
2 99 99 990	Other Payables		-
3 01 01 030	Contributed Capital		615,720.00
3 01 01 010	Accumulated Surplus/Deficit		131,090,003.99
4 02 02 090	Waterworks System Fees		56,235,689.23
4 02 02 990	Other Business Income		891,759.65
4 02 02 230	Fines & Penalties - Business Income		2,032,887.70
4 02 02 210	Interest Income		207,950.49
5 01	Operation Expense - Personal Services	21,597,802.38	
5 02	Maintenance & Other Operating Expense	21,132,143.65	
5 05 01	Depreciation Expense	3,675,432.94	
		<u>243,494,705.00</u>	<u>243,494,705.00</u>

Prepared By:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted By:

ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan
STATEMENT OF FINANCIAL POSITION
as of December 31, 2019

TEAM 5, AUDIT GROUP
COA, REG. I
DATE: 01/24/2020
RECEIVED BY: *[Signature]*

Current Assets		
Cash on Hand		140,228.62
Advances for Payroll		-
Petty Cash Fund		5,000.00
Cash in Bank - Local Currency		
Cash in Bank - Local Currency, Current Account	DBP	65,907,521.14
Cash in Bank - Local Currency, Current Account	LB-EBCS	1,339,741.34
Cash in Bank - Local Currency, Time Deposit CD	DBP	3,739,751.50
Cash in Bank - Local Currency, Time Deposit MSF	Landbank	4,560,963.59
(Ret. & Benefits)		
Receivables		
Account Receivables - Gen. Customers	2,691,332.11	
Allowance for Doubtful Accounts	136,336.31	
Accounts Receivable - Net		2,554,995.80
Due from officers & employees		-
Other Receivables		161,500.00
Prepaid Insurance		143,693.67
Other Current Assets		401,434.35
Other Deferred Debits		211,430.71
Inventories		
Office Supply Inventory		75,360.51
Accountable Forms Inventory		380,021.08
Fuel, Oil & Lubricants		40,761.30
Chemical & Filtering Supplies		12,700.00
Construction Materials & Supplies		929,785.55
Other Inventory - PPE		1,774,959.00
Total Current Assets		82,379,848.16
Non-Current Assets		
Sinking Fund - LB		10,867,992.98
Property Plant & Equipment	103,705,148.58	
Accu. Dep'n. PPE	46,952,233.04	
PPE (net)		56,752,915.54
Const. Work in Progress		-
Total Non Current Assets		67,620,908.52
TOTAL ASSETS		150,000,756.68
Current Liabilities		
Inter Agency Payables:		
Accounts Payable - Suppliers/Others		671,504.65
Due to BIR		210,437.71
Due to GSIS		333,625.37
Due to Pag-ibig		38,232.51
Due to Philhealth		23,865.75
Guaranty Deposit - General Customers		3,414,384.65
Bail Bonds Payable		640,073.95
Total Current Liabilities		5,332,124.59
Capital		
Contributed Capital		615,720.00
Accumulated Surplus/Deficit		131,090,003.99
Net Income/(Loss)		12,962,908.10
Total Capital		144,668,632.09
TOTAL LIABILITIES & CAPITAL		150,000,756.68

Prepared by:

[Signature]
VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

[Signature]
ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TEAM 5, AUDIT GROUP A
COA, REG. I

DATE: 01/24/2019

RECEIVED BY: *[Signature]*

DETAILED STATEMENT OF FINANCIAL POSITION
as of December 31, 2019
(with comparative figures for 2018)

ASSETS	<u>2019</u>	<u>2018</u>
Current Assets		
Cash on Hand	140,228.62	127,413.75
Petty Cash Fund	5,000.00	5,000.00
Cash in Bank - Local Currency		
Cash in Bank - Current Account DBP	65,907,521.14	60,309,239.92
Cash in Bank - Current Account Landbank-EBCS	1,339,741.34	678,261.26
Cash in Bank - Time Deposit CD- DBP	3,739,751.50	3,703,166.44
Cash in Bank - Time Deposit LB -MSF	4,560,963.59	4,523,829.76
Receivables		
Account Receivables - General Customers	2,691,332.11	2,791,475.81
Allowance for Doubtful Accounts	136,336.31	181,726.43
Accounts Receivable - Net	<u>2,554,995.80</u>	<u>2,609,749.38</u>
Due from Officers & Employees	-	-
Other Receivables	161,500.00	134,000.00
Prepaid Insurance	143,693.67	113,121.32
Other Deferred Debits	211,430.71	-
Other Current Assets	401,434.35	401,434.35
Inventories		
Office Supplies Inventory	75,360.51	47,148.64
Accountable Forms Inventory	380,021.08	332,665.47
Fuel, Oil & Lubricants	40,761.30	40,761.30
Chemical & Filtering Materials	12,700.00	12,420.00
Construction Materials & Supplies	929,785.55	999,686.36
Opther Inventory - PPE	1,774,959.00	1,697,409.70
Total Current Assets	<u>82,379,848.16</u>	<u>75,735,307.65</u>
Non-Current Assets		
Sinking Fund - LB	10,867,992.98	9,587,253.38
	<u>10,867,992.98</u>	<u>9,587,253.38</u>
Property Plant & Equipment		
Land	<u>3,268,735.00</u>	<u>2,535,535.00</u>
Land Improvements, net	<u>108,896.94</u>	<u>124,506.09</u>
<i>Land Improvements</i>	178,435.00	178,435.00
<i>Accumulated Depreciation - Land Improvements</i>	69,538.06	53,928.91
<i>Accumulated Impairment Losses - Land Improvements</i>	-	-
Infrastructure Assets, net	<u>40,047,803.41</u>	<u>38,008,592.31</u>
<i>Infrastructure Assets</i>	66,349,029.68	62,156,844.46
<i>Accumulated Depreciation - Infrastructure Assets</i>	26,301,226.27	24,148,252.15
<i>Accumulated Impairment Losses - Infrastructure Assets</i>	-	-
Building and Other Structures, net	<u>5,529,146.89</u>	<u>5,807,979.43</u>
<i>Building and Other Structures</i>	9,307,254.72	9,307,254.72
<i>Accumulated Depreciation - Building and Other Structures</i>	3,778,107.83	3,499,275.29
<i>Accumulated Impairment Losses - Building and Other Structures</i>	-	-
Machinery & Equipment, net	<u>3,163,350.12</u>	<u>2,270,241.97</u>
<i>Machinery & Equipment</i>	9,865,155.23	8,481,950.23
<i>Accumulated Depreciation - Machinery & Equipment</i>	6,701,805.11	6,211,708.26
<i>Accumulated Impairment Losses - Machinery & Equipment</i>	-	-
Furnitures & Fixtures, net	<u>145,885.62</u>	<u>194,740.71</u>
<i>Furnitures & Fixtures</i>	710,359.11	702,461.11
<i>Accumulated Depreciation - Furnitures & Fixtures</i>	564,473.49	507,720.40
<i>Accumulated Impairment Losses - Furnitures & Fixtures</i>	-	-



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TEAM 5, AUDIT GROUP A
COA, REG. I

DATE: 01/24/2020

RECEIVED BY: J. J. J.

DETAILED STATEMENT OF FINANCIAL POSITION
as of December 31, 2019
(with comparative figures for 2018)

	<u>2019</u>	<u>2018</u>
Books, net	<u>70.00</u>	<u>70.00</u>
<i>Books</i>	3,400.00	3,400.00
<i>Accumulated Depreciation - Books</i>	3,330.00	3,330.00
<i>Accumulated Impairment Losses - Books</i>	-	-
Transportation Equipment, net	<u>2,434,106.43</u>	<u>1,089,980.89</u>
<i>Transportation Equipment</i>	4,863,308.67	3,318,108.67
<i>Accumulated Depreciation - Transportation Equipment</i>	2,429,202.24	2,228,127.78
<i>Accumulated Impairment Losses - Transportation Equipment</i>	-	-
Other Property Plant & Equipment, net	<u>2,054,921.13</u>	<u>2,379,563.16</u>
<i>Other Property, Plant & Equipment</i>	9,159,471.17	9,004,020.47
<i>Accumulated Depreciation - Other Property, Plant & Equipment</i>	7,104,550.04	6,624,457.31
<i>Accumulated Impairment Losses - Other Property, Plant & Equipment</i>	-	-
Total Property Plant & Equipment	<u>56,752,915.54</u>	<u>52,411,209.56</u>
Construction Work in Progress	-	2,220,158.16
Total Non Current Assets	<u>67,620,908.52</u>	<u>64,218,621.10</u>
TOTAL ASSETS	<u>150,000,756.68</u>	<u>139,953,928.75</u>
LIABILITIES AND EQUITY		
Current Liabilities		
Inter Agency Payables:		
Due to BIR	210,437.71	309,964.82
Due to GSIS	333,625.37	332,046.43
Due to Pag-Ibig	38,232.51	-
Due to Philhealth	23,865.75	22,866.92
Other Liability Accounts		
Customers Deposit - General Customers	3,414,384.65	3,388,342.80
Accounts Payable	671,504.65	1,579,169.12
Bail Bonds Payable	640,073.95	739,554.77
Other Payable	-	-
Other Deferred Credits	-	295,383.56
Total Current Liabilities	<u>5,332,124.59</u>	<u>6,667,328.42</u>
Equity		
Contributed Capital	615,720.00	615,720.00
Accumulated Surplus/(Deficit)	131,090,003.99	117,870,655.57
Net Income/(Loss)	12,962,908.10	14,800,224.76
Total Equity	<u>144,668,632.09</u>	<u>133,286,600.33</u>
TOTAL LIABILITIES & EQUITY	<u>150,000,756.68</u>	<u>139,953,928.75</u>

Prepared by:


VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:


ENGR. MARCELO M. PETOMO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TEAM 5, AUDIT GROUP A
COA, REG. I

DATE: 01/24/2020

RECEIVED BY: *Jubano*

STATEMENT OF PROFIT OR LOSS & OTHER COMPREHENSIVE INCOME
for the period December 2019

	Current Month	Year to Date
Waterworks System Fees	4,268,779.98	56,235,689.23
Other Business Income	59,041.63	891,759.65
Fines and Penalties	153,525.60	2,032,887.70
GROSS INCOME	4,481,347.21	59,160,336.58
Personal Services		
Salaries & Wages-Regular	972,399.03	12,035,939.11
Labor & Wages	135,432.40	1,195,030.53
Personal Economic Relief Allowance (PERA)	76,977.27	947,772.74
Representation Allowance (RA)	25,444.00	305,328.00
Transportation Allowance (TA)	23,500.00	282,000.00
Clothing Allowance	-	234,000.00
Other Bonuses & Allowances	780,000.00	1,533,750.00
Honoraria	48,600.00	583,200.00
Overtime Pay	4,406.28	51,348.01
Year End Bonus	-	2,099,539.80
Cash Gift	-	200,500.00
Retirement & Life Insurance Contribution	121,980.08	1,496,893.68
Pag-Ibig Contribution	3,900.00	47,500.00
Philhealth Contribution	11,933.00	140,212.37
Employees Compensation Insurance Premium (ECC)	3,900.00	47,500.00
Terminal Leave Benefits	397,288.14	397,288.14
Total Personal Services	2,605,760.20	21,597,802.38
Maintenance & Other Operating Expenses		
Traveling Expense - Local	5,965.00	360,221.68
Training Expense	-	150,990.00
Office Supplies Expense	15,408.20	225,723.53
Accountable Forms Expense	35,588.95	411,744.34
Medical, Dental, Laboratory Supplies Expense	7,200.00	157,660.00
Fuel, Oil & Lubricants Expenses	59,002.79	557,526.29
Chemicals and Filtering Supplies Expense	70,875.00	819,437.50
Electricity Expense	1,160,825.02	13,687,665.92
Other Utility Expense	1,315.00	5,812.00
Postage and Courier Services	300.00	4,371.00
Telephone Expense - Landline/Mobile	30,573.20	370,188.46
Internet Subscription Expense	1,599.00	21,688.00
Cable, Satellite, Telegraph and Radio Expenses	450.00	5,409.00
Membership Dues & Contribution to Organization	-	13,020.00
Advertising Expense	-	-
Printing and Publication Expense	-	251,602.00
Rent/Lease Expense	800.00	10,020.00
Representation Expense	186,279.98	335,491.64
Transportation and Delivery Expense	-	-
Subscription Expense	550.00	6,344.00
Awards/Rewards Expenses	16,273.23	48,673.23
Legal Services	1,100.00	24,600.00
Auditing Services	-	182,488.21
Other General Services	2,208.80	30,682.35
Security Services	40,000.00	480,000.00
Repair & Maint. - Land Improvements	-	1,800.00
Repair & Maint. - Infrastructure Assets	21,916.50	454,951.62
Repair & Maint. - Building and Other Structures	-	5,650.75
Repair & Maint. - Machinery & Equipment	2,590.00	75,464.60
Repair & Maint. - Furnitures & Fixtures	-	10,350.00
Repair & Maint. - Transportation Equipment	1,936.00	135,113.75
Repair & Maint. - Other P.P.E.	4,929.82	30,022.82

TEAM
COA.
DATE 01/24/2020
RECEIVED *ffuram*

Donations	1,600.00	47,100.00
Extra Ordinary & Miscellaneous Expense	9,800.00	330,781.30
Taxes, Duties & Licenses	276,736.65	1,559,578.09
Fidelity Bonds Premium	-	11,212.50
Insurance Expense	10,689.49	141,391.87
Impairment Loss	-	167,167.20
Depreciation Expense - Land Improvements	1,300.79	15,609.15
Depreciation Expense - Infrastructure Assets	177,716.13	2,152,974.12
Depreciation Expense - Building and Other Structures	23,235.99	278,832.54
Depreciation Expense - Machinery & Equipment	92,942.86	490,096.85
Depreciation Expense - Furniture & Fixtures	4,436.65	56,753.09
Depreciation Expense - Transportation Equipment	56,166.65	201,074.46
Depreciation Expense - Other P.P.E	(169,284.51)	480,092.73
Total Operation & Maintenance Expense	2,153,027.19	24,807,376.59
Financial Expenses		
Bank Charges	-	200.00
Total Financial Expenses	-	200.00
TOTAL EXPENSES	4,758,787.39	46,405,378.97
Operating Income (Loss)	(277,440.18)	12,754,957.61
ADD: Interest Income	27,355.30	207,950.49
NET INCOME (LOSS) BEFORE INCOME TAX	(250,084.88)	12,962,908.10

Prepared By:


VIOLETA E. GAYAGA
Division Manager B - Finance

Noted By:


ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TEAM 5, AUDIT GROUP A
COA, REG. I
DATE: 01/24/2020
RECEIVED BY: *Jurbane*

STATEMENT OF PROFIT OR LOSS & OTHER COMPREHENSIVE INCOME
for the year ended December 31, 2019
(with comparative figures for 2018)

	<u>2019</u>	<u>2018</u>
Waterworks System Fees	56,235,689.23	53,485,267.95
Other Business Income	891,759.65	1,015,133.71
Fines and Penalties	2,032,887.70	1,909,051.50
GROSS INCOME	<u>59,160,336.58</u>	<u>56,409,453.16</u>
Less: EXPENSES		
Personal Services		
Salaries, Wages-Regular	12,035,939.11 ✓	11,467,253.43
Labor & Wages	1,195,030.53	526,587.00
Personnel Economic Relief Allowance (PERA)	947,772.74 ✓	946,005.42
Representation Allowance (RA)	305,328.00 ✓	305,328.00
Transportation Allowance (TA)	282,000.00 ✓	282,000.00
Clothing Allowance	234,000.00 ✓	228,000.00
Productivity Incentive Allowances	-	-
Other Bonuses & Allowances	1,533,750.00 ✓	1,755,854.00
Honoraria	583,200.00	578,340.00
Overtime Pay	51,348.01 ✓	56,270.14
Cash Gift	200,500.00 ✓	200,000.00
Year End Bonus	2,099,539.80 ✓	977,834.00
Retirement & Life Insurance Contribution	1,496,893.68	1,396,518.52
Pag-Ibig Contribution	47,500.00	47,400.00
Philhealth Contribution	140,212.37	136,193.47
Employees Compensation Insurance Premium (ECC)	47,500.00	47,400.00
Terminal Leave Benefits	397,288.14	370,196.30
Total Personal Services	<u>21,597,802.38</u>	<u>19,321,180.28</u>
Maintenance & Other Operating Expenses		
Traveling Expense - Local	360,221.68	169,096.15
Training Expense	150,990.00	110,600.00
Office Supplies Expense	225,723.53	196,097.05
Accountable Forms Expense	411,744.34	377,070.68
Medical, Dental, Laboratory Supplies Expenses	157,660.00	129,667.50
Fuel, Oil & Lubricants Expenses	557,526.29	655,374.50
Chemical and Filtering Supplies Expense	819,437.50	749,715.00
Electricity Expense	13,687,665.92	13,312,660.85
Other Supplies and Materials Expense (Cooking Gas)	5,812.00	7,332.00
Postage and Courier Services	4,371.00	3,973.00
Telephone Expense - Landline/Mobile	370,188.46	373,156.45
Internet Subscription Expense	21,688.00	25,188.00
Cable, Satellite, Telegraph and Radio Expenses	5,409.00	5,409.00
Membership Dues & Cont. to Organization	13,020.00	12,403.00
Advertising Expense	-	3,000.00
Printing & Publication Expense	251,602.00	219,570.00
Rent/Lease Expense	10,020.00	9,600.00
Representation Expense	335,491.64	315,439.77
Transportation and Delivery expense	-	150.00
Subscription Expense	6,344.00	13,420.00
Awards/Rewards Expense	48,673.23	45,835.40



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

TEAM 5, AUDIT GROUP /
COA, REG. I

DATE: 01/24/2020

RECEIVED BY: Jubans

STATEMENT OF PROFIT OR LOSS & OTHER COMPREHENSIVE INCOME
for the year ended December 31, 2019
(with comparative figures for 2018)

	<u>2019</u>	<u>2018</u>
Legal Services	24,600.00	28,300.00
Auditing Services	182,488.21	183,643.60
Other General Services	30,682.35	35,733.85
Security Services	480,000.00	687,775.00
Repair & Maintenance - Land Improvements	1,800.00	-
Repair & Maintenance - Infrastructure Assets	454,951.62	142,609.94
Repair & Maintenance - Building and Other Structures	5,650.75	5,660.70
Repair & Maintenance - Machinery & Equipment	75,464.60	59,041.75
Repair & Maintenance - Furnitures, Fixtures	10,350.00	320.00
Repair & Maintenance - Transportation Equipment	135,113.75	45,185.17
Repair & Maintenance - Other P.P.E.	30,022.82	16,000.00
Donations	47,100.00	52,250.00
Extra Ordinary & Miscellaneous Expense (EME)	330,781.30	123,180.00
Taxes, Duties & Licenses	1,559,578.09	892,625.82
Fidelity Bonds Premium	11,212.50	13,481.25
Insurance Expense	141,391.87	157,351.87
Impairment Loss	167,167.20	-
Depreciation - Land Improvements	15,609.15	15,609.15
Depreciation - Infrastructure Assets	2,152,974.12	1,870,946.57
Depreciation - Building and Other Structures	278,832.54	276,578.20
Depreciation - Machinery & Equipment	490,096.85	347,496.94
Depreciation - Furnitures, Fixtures	56,753.09	54,759.65
Depreciation - Transportation Equipment	201,074.46	157,800.96
Depreciation - Other P.P.E.	480,092.73	574,479.25
Total Maintenance & Other Operating Expenses	<u>24,807,376.59</u>	<u>22,475,588.02</u>
Financial Expenses		
Bank Charges	200.00	-
Total Financial Expenses	<u>200.00</u>	<u>-</u>
TOTAL EXPENSES	<u>46,405,378.97</u>	<u>41,796,768.30</u>
Income(Loss) from Operations	12,754,957.61	14,612,684.86
ADD: Other Income		
Interest from Savings Account	207,950.49	187,539.90
NET INCOME (LOSS) BEFORE INCOME TAX	<u>12,962,908.10</u>	<u>14,800,224.76</u>

Prepared by:


VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:


ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan
CASH FLOW STATEMENT
for the period December 2019

TEAM 5, AUDIT GROUP A
COA, REG. I

DATE: 01/24/2020

RECEIVED BY: J. Rubano

	<i>This Month</i>	<i>Year to Date</i>
CASH FLOW FROM OPERATING ACTIVITIES		
Cash Inflows:		
Collection of Water Bills	4,676,235.88	58,200,880.81
Collection of Other Business Income	52,509.30	699,887.67
Interest Income (Net)	20,220.04	127,210.89
Guaranty Deposit	1,400.00	26,041.85
Sale of Materials & Other Fittings	143,355.65	2,255,207.11
Refund of Advances & Others	18,880.87	112,825.04
Other Miscellaneous (GSIS reimbursement & others)	11,200.00	868,553.81
Total Cash Inflows	4,923,801.74	62,290,607.18
Cash Outflows:		
Payment of Personal Services	1,822,847.18	14,618,230.49
Payment of Operating & Maintenance Expenses	1,353,647.21	17,952,037.80
Payment of Advances	200,000.00	714,850.00
Payment of Customers Deposit	-	27,500.00
Purchases	61,600.00	1,139,675.42
Prepayments	123,513.20	150,559.04
Payment of Payables	883,424.49	10,156,974.53
Remittances of GSIS/Pag-Ibig/BIR	616,368.18	6,218,901.26
Total Cash Outflows	5,061,400.26	50,978,728.54
Cash Inflow:		
Collection of Bid Document/Registration	6,500.00	19,500.00
Total Cash Inflow	6,500.00	19,500.00
Cash Outflow		
Const. Work in Progress	-	1,336,100.86
Property Plant & Equipment	14,446.00	2,448,982.72
Total Cash Outflow	14,446.00	3,785,083.58
Transfer for Reserve (SF)	600,000.00	1,200,000.00
	600,000.00	1,200,000.00
Net Cash Inflow (Outflow) used by operating, investing & financing activities	(745,544.52)	6,346,295.06
ADD: CASH AND CASH EQUIVALENTS - BEG.	76,438,750.71	69,346,911.13
CASH AND CASH EQUIVALENTS - ENDING	75,693,206.19	75,693,206.19

Cash Balance Breakdown:

Cash on Hand	140,228.62
Working Fund	5,000.00
CIB CA (DBP)	65,907,521.14
CA (LB-EBCS)	1,339,741.34
CIB TD CD (DBP)	3,739,751.50
CIB TD MSF (LB)	4,560,963.59
	<u>75,693,206.19</u>

Prepared By:

VIOLETA B. GAYAGA
Division Manager B - Finance

Noted by:

ENGR. MARCELO M. PETONIO
General Manager



MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan
FINANCIAL & OPERATING HIGHLIGHTS
for the month of December 2019

TEAM 5, AUDIT GROUP A
COA, REG. I
DATE: 01/24/2020
RECEIVED BY: Jurbano

<u>PARTICULARS</u>	<u>CURRENT MONTH</u>	<u>YEAR TO DATE</u>
Financial Operating Results		
Gross Income	4,481,347.21	59,160,336.58
Operating Expenses	4,758,787.39	46,405,378.97
Income (Loss) from operation	(277,440.18)	12,754,957.61
other income-interest income	27,355.30	207,950.49
Net Income (loss) before income tax	(250,084.88)	12,962,908.10
Amount Per Cubic Meter Billed:		
Gross Income	16.96	17.00
Operating Expense	18.00	13.34
Income (Loss) from Operation	(104.98)	3.67
Net Income (loss) before Income Tax	(94.63)	3.73
Financial Conditions		
Property, Plant & Equipment (net of depn.)	(188,568.56)	56,752,915.54
Accumulated Depreciation PPE	186,514.56	46,952,233.04
Contributed Capital	-	615,720.00
Accumulated Surplus/Deficit	(306,581.28)	131,090,003.99
Net Income (loss)	(250,084.88)	12,962,908.10
Total Capital	(556,666.16)	144,668,632.09
Current assets/Current liabilities	15.45	15.45
Production/Billing/Collection:		
Cubic Meter Produced	339,307 cu.m.	4,395,609 cu.m.
Average Daily per Month/Year	11,310 cu.m.	12,109 cu.m.
Rated Production Capacity Per Month/Year	416,622 cu.m.	4,999,464 cu.m.
% of Utilization of Rated Production Capacity	81.44 %	87.92 %
Cubic Meter billed or accounted for	264,598 cu.m.	3,483,051 cu.m.
% of Unaccounted For Water	22.02 %	20.76 %
Production & Dist. Cost Per Cubic Meter Produced	4.10	3.82
Water Billings:		
In Cubic Meters	264,276 cu.m.	3,478,104 cu.m.
Amount	4,271,257.25	56,271,861.90
Average Monthly Consumption Per Connection	19 cu.m.	21 cu.m.
Collections:		
Current Month Billing	2,835,390.26	37,297,227.27
Previous Month Billing	1,658,101.17	16,832,379.64
Delinquent Account Previous Year	5,920.15	2,200,269.94
Penalty	176,824.30	2,035,148.35
% of Collection of Current Water Bills	66.38 %	92.89 %
Balance at end of the period	1,435,866.99	2,554,995.80
Increased (decreased) for the period	(370,972.24)	(208,540.18)
Other Pertinent Statistics:		
Total No. of Services	42	14,839
Total Active	31	13,740
Total Metered	24	13,764
Total Billed	31	13,740
Population Served	155	68,700
Kil. Of Main in Used	- lms	95.41 kms
Total Employees	46	46
Regular 33/Casual 4/Co-Terminus 2/Job order 7		



MONTHLY DATA SHEET

For the Month Ending DECEMBER 2019

TEAM 5, AUDIT GROUP A
COA, REG. I

DATE: 01/24/2020

RECEIVED BY: [Signature]

Name of Water District : **Mangaldan**
 Province : Pangasinan
 Region : I
 CCC No. : 139
 Email Address : mangaldanwaterdistrict0979@yahoo.com
 Website, if any : www.mangaldanwaterdistrict.gov.ph
 Contact Nos. (mobile): -
 (landline) : (075) 653-0574, (075) 523-5884
 Geo-coordinates of the WD Office ("° ' _ "): 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	Mun. Class	Total No. of Brgys.	No. of Brgys Served	Percent (%) Served to Total	
Main Mun.	Mangaldan		30	30	100.0%	NOTE: If more than 3 municipalities/cities being served, they could be combined in the rows.
Annexed:	n/a					
Annexed:	n/a					

2. SERVICE CONNECTION DATA:

2.1	Total Service (Active + Inactive)	14,839		
2.2	Total Active	13,740		
2.3	Total metered	13,764		
2.4	Total billed	13,740		
2.5	Ave. Persons/Conn.	5.0		
2.6	Population Served (2.2 x 2.5)	68,700		
2.7	Changes in No. of Conn.		<u>This Month</u>	<u>Year-to-Date</u>
	New		42	684
	Reconnection		13	191
	Disconnected		24	261
	Market Growth		31	614
2.8	No. of Customers in Arrears	4,484 (32.6%)		
2.9	No. of Active Connections	<u>Metered</u>	<u>Unmetered</u>	<u>Total</u>
	Residential/Domestic	13,006	-	13,006
	Government	55	-	55
	Commercial/Industrial	679	-	679
	Full Commercial	606	-	606
	Commercial A	73	-	73
	Commercial B	-	-	-
	Commercial C	-	-	-
	Commercial D	-	-	-
	Bulk/Wholesale	-	-	-
	Total	13,740	-	13,740

3. PRESENT WATER RATES:

3.1 Date Approved (mm/dd/year): **March 8, 2013** Effectivity (mm/dd/year): **April 1, 2013**

3.2 Water Rates

CLASSIFICATION	MIN. CHARGES	COMMODITY 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:

		<u>This Month</u>		<u>Year-to-Date</u>
4.1 BILLING (Water Sales)				
a. Current - metered	P	4,271,257.25		P 56,271,861.90
b. Current - unmetered		-		-
c. Penalty charges		153,551.60		2,033,437.10
d. Less: Senior Citizen Discount		2,477.27		33,177.39
Total	P	4,422,331.58		P 58,272,121.61
4.2 BILLING PER CONSUMER CLASS:				
e Residential/Domestic	P	3,489,446.50		P 46,053,625.00
f Government		182,414.50		2,476,502.00
g Commercial/Industrial		599,396.25		7,741,734.90
h Bulk/Wholesale		-		-
Total	P	4,271,257.25		P 56,271,861.90
4.3 COLLECTION (Water Sales)				
a. Current account	P	2,835,390.26		P 37,297,227.27
b. Arrears - current year		1,658,101.17		16,832,379.64
c. Arrears - previous years		5,920.15		2,200,269.94
Total	P	4,499,411.58		P 56,329,876.85
4.4 ACCOUNTS RECEIVABLE-CUSTOMERS (Beginning of the Yr.):				2,452,810.03
4.5 ON-TIME-PAID, This Month		<u>This Month</u>		<u>Year-to-Date</u>
		$\frac{4.3a}{(4.1a) + (4.1b)} \times 100 =$	66.4%	
4.6 COLLECTION EFFICIENCY, Y-T-D				
		$\frac{(4.3a) + (4.3b)}{4.1 \text{ Total}} \times 100 =$	$\frac{54,129,606.91}{58,272,121.61}$	= 92.9%
4.7 COLLECTION RATIO, Y-T-D				
		$\frac{4.3 \text{ Total}}{4.1 \text{ Total} + 4.4} \times 100 =$	$\frac{56,329,876.85}{60,724,931.64}$	= 92.8%

5. FINANCIAL DATA:

		<u>This Month</u>		<u>Year-to-Date</u>
5.1 REVENUES				
a. Operating Revenues	P	4,481,347.21		P 59,160,336.58
b. Non-Operating revenues		27,355.30		207,950.49
Total	P	4,508,702.51		P 59,368,287.07
5.2 EXPENSES				
a. Salaries and wages	P	1,238,158.98		P 14,817,418.39
b. Pumping cost (Fuel, Oil, Electric)		1,149,592.56		13,435,817.04
c. Chemicals (treatment)		70,875.00		819,437.50
d. Other O & M Expense		2,113,646.29		13,657,273.10
e. Depreciation Expense		186,514.56		3,675,432.94
f. Interest Expense		-		-
g. Others		-		-
Total	P	4,758,787.39		P 46,405,378.97
5.3 NET INCOME (LOSS)	P	(250,084.88)		P 12,962,908.10
5.4 CASH FLOW STATEMENT				
a. Receipts	P	4,930,301.74		P 62,310,107.18
b. Disbursements		5,675,846.26		55,963,812.12
c. Net Receipts (Disbursements)		(745,544.52)		6,346,295.06
d. Cash balance, beginning		76,438,750.71		69,346,911.13
e. Cash balance, ending		75,693,206.19		75,693,206.19

5.5 MISCELLANEOUS (Financial)	<u>At the end of this month</u>	
a. Loan Funds (Total)		-
1. Cash in Bank	P	-
2. Cash on Hand		-
b. WD Funds (Total)		86,561,199.17
1. Cash on hand	P	140,228.62
2. Cash in bank		67,247,262.48
3. Special Deposits		3,739,751.50
4. Investments		4,560,963.59
5. Working fund		5,000.00
6. Reserves		
6.1 WD-LWUA JSA		10,867,992.98
6.2 General Reserves		-
c. Materials & Supplies inventory	P	1,438,628.44
d. Accounts Receivable		2,554,995.80
1. Customers	P	2,554,995.80
2. Materials on loans		-
3. Officers & Employees		-
e. Customers' deposits		3,414,384.65
f. Loans payable		-
g. Payable to creditors eg. suppliers		671,504.65

5.6 FINANCIAL RATIOS	<u>This Month</u>		<u>Year-to-Date</u>	
a. Operating Ratio (benchmark = less than .75)				
Operating Expenses	4,572,272.83		42,729,946.03	
Operating Revenues	4,481,347.21	= 1.02	59,160,336.58	= 0.72
b. Net Income Ratio (benchmark = more than 0.08)				
Net Income (Loss)	(250,084.88)		12,962,908.10	
Operating Revenues	4,481,347.21	= (0.06)	59,160,336.58	= 0.22
c. Current Ratio				
Current Assets	82,379,848.16			
Current Liabilities	5,332,124.59	= 15.45		

6. WATER PRODUCTION DATA:

6.1 SOURCE OF SUPPLY	<u>Total Rated Capacity</u>			<u>Basis of Data</u>
	<u>Number</u>	<u>(In LPS)</u>	<u>or (in Cum/Mo)</u>	
a. Wells	12		416,622	
b. Springs	-			
c. Surface/River	-			
d. Bulk purchase	-			
Total	12	0	416,622	

Conversion: 1 LPS = 2,600 cum/mo

6.2 WATER PRODUCTION (m ³)	<u>This Month</u>	<u>Year-to-Date</u>	<u>Method of Measurement</u>
a. Gravity	-	-	
b. Pumped	339,307.0	4,395,609.0	
Total	339,307.0	4,395,609.0	

6.3 WATER PRODUCTION COST	<u>This Month</u>	<u>Year-to-Date</u>
a. Total power consumption for pumping (KW-Hr)	114,719	1,227,767
b. Total power cost for pumping (PHP)	Php 1,124,992.56	Php 13,279,477.94
c. Other energy cost (oil, etc.) (PHP)	Php 24,600.00	Php 180,422.04
d. Total Pumping Hours (motor drive)	8,058	91,341
e. Total Pumping Hours (engine drive)	2.50	610.75
f. Total Chlorine consumed (Kg.)	1,420	18,140
g. Total Chlorine cost (PHP)	Php 70,875.00	Php 819,437.50
h. Total cost of other chemicals (PHP)	-	-
Total Production Cost	P 1,220,467.56	P 14,279,337.48

DATE: 11/24/2020

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6.4 ACCOUNTED FOR WATER (m³)

a. Total Billed Metered Consumption (m ³)	264,276.0	3,478,104.0
Residential	238,674.0	3,142,057.0
Government	9,023.0	121,871.0
Commercial/Industrial (Total)	16,579.0	214,176.0
Full Commercial	14,165.0	182,668.0
Commercial A	2,414.0	31,508.0
Commercial B		
Commercial C		
Commercial D		
Bulk/Wholesale		
b. Unmetered billed		
c. Total billed	264,276.0	3,478,104.0
d. Metered unbilled	322.0	4,947.0
e. Unmetered unbilled	-	-
f. Total Accounted	264,598.0	3,483,051.0

6.5 WATER USE ASSESSMENT

a. Average monthly consumption/connection (m ³)	19.2	
Residential (m ³ /conn/mo.)	18.4	
Government (m ³ /conn/mo)	164.1	
Commercial/Industrial (m ³ /conn/mo)	24.4	
Bulk/Wholesale (m ³ /conn/mo)		
b. Average liters per capita/day (lpcd)	122.3	
c. Accounted for water (%)	78.0%	79.2%
d. Revenue Producing Water (%)	77.9%	79.1%
e. Percent Non-revenue Water (%)	22.1%	20.9%
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	35
c. Casual	4
d. Job-order/COS	7
e. Number of active connections/employee	352
f. Average monthly salary/employee	26,843.00

8.2 BOARD OF DIRECTORS

	Name	Number of Meetings Attended					
		This Month			Year-to-Date		
		Regular	Special/ Emergency	Total	Regular	Special/ 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	Linda S. Ang	2	-	2	24	-	24
6	-	-	-	-	-	-	-
				<u>This Month</u>			<u>Year-to-Date</u>
a.	No. of Resolutions passed			6			34
b.	No. of Policies passed			-			-
c.	Directors fees paid			P 48,600.00			583,200.00
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 x 1,000)	FUNDING SOURCE	PERCENT ACCOM- PLISHMENT
a.	Drilling of one (1) Exploratory/ Production Well at Brgy. Osiem	2,417,460.00	MAWAD Corporate Fund	35%
b.	Installation of PVC parallel lines from Macayug Pumping Stations to National Road at Brgy. Embarcadero, Mangaldan, Pangasinan and from Guiguilonen to Nibaliw, Mangaldan, Pangasinan	2,994,639.20	MAWAD Corporate Fund	40%

9.2 CURRENT FINANCIAL ASSISTANCE/LOANS/GRANTS

	LOAN AMOUNT (PHP)	Interest Rate % p.a.	Monthly Amortization (PHP)	Arrearages, if any (PHP)	Terminal Year of Amortization
a.	Loans from LWUA				
1			NONE		
2					
3					
b.	Loans from Other Fund Sources				
1			NONE		
2					
3					

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

Submitted by:


ENGR. MARCELO M. PETONIO
General Manager

Verified by:

Noted by:

MS. GIGI S. SERAFICA
Management Advisor

UDEV Division Manager




Republic of the Philippines
MANGALDAN WATER DISTRICT
Mangaldan, Pangasinan

Approved Water Rates Schedule
C.Y. 2019

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

Prepared by:


VIOLETA O. GARCIA
Division Manager B - Commercial

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. 2019

Period	Production	Consumption
January	374,392	290,829
February	352,986	278,209
March	326,820	259,113
April	364,061	284,906
May	398,100	317,764
June	381,257	304,779
July	347,816	274,827
August	388,738	309,974
September	371,723	295,738
October	346,263	273,477
November	404,146	324,212
December	339,307	264,276
Total	4,395,609	3,478,104

Prepared by:


VIOLETA B. GAYAGA
 Division Manager B - Finance

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

WD Water Sources
C.Y. 2019

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

Prepared by:


VIOLETA B. GAYAGA
 Division Manager B - Finance

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager



Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

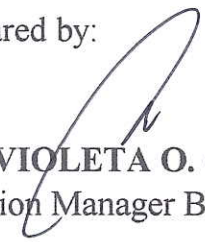
SERVICE CONNECTION GROWTH
 C.Y. 2019

Period	New Connection	Reconnection	Disconnection	Total Connections
December 2018				13,126
January 2019	56	19	20	13,181
February	58	14	26	13,227
March	71	11	18	13,291
April	40	15	14	13,332
May	71	18	24	13,397
June	65	12	16	13,458
July	73	17	22	13,526
August	61	19	23	13,583
September	39	21	16	13,627
October	51	12	28	13,662
November	57	20	30	13,709
December 2019	42	13	24	13,740
Total	684	191	261	


Summary:

Total Active Connections as of December 2018	13,126
Add: Total New Connections - 2019	684
Total	<u>13,810</u>
Add: Total Reconnections - 2019	191
Metered	14,001
Less: Total Disconnections - 2019	261
Total Active Connections as of December 31, 2019	<u><u>13,740</u></u>

Prepared by:


VIOLETA O. GARCIA
 Division Manager B - Commercial

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager

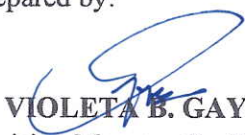


Republic of the Philippines
MANGALDAN WATER DISTRICT
 Mangaldan, Pangasinan

*List of Major Equipments and Machineries
 with an Initial Cost of ₱ 10,000.00
 For the period January 1, 2019 to December 31, 2019*

Month	Account Code	Description	Amount
2019			
February	1 06 03 050	Supply, Delivery and Installation of 1-25KVA DX transformer and electrical services to be installed at the newly constructed Pumping Station at Brgy. Anolid, Mangaldan, Pangasinan	126,966.00
February	1 06 03 050	One (1) unit Combination Variable Frequency Drive Motor Control System (MAWADGOODS#10,s.2018) installed at the Newly Constructed Pumping Station located at Jewelville Subdivision, Brgy. Anolid, Mangaldan, Pangasinan	260,000.00
March	1 06 99 990	Franklin Submersible Motor 20hp installed for the newly constructed Pumping Station located at Jewelville Subdivision, Brgy. Anolid, Mangaldan, Pangasinan	127,450.70
March	1 06 99 990	Iwaki Metering Pump ES-B11	28,000.00
March	1 06 03 040	Sure-loc PVC Riser Pipe 4"	54,036.96
March	1 06 05 030	Supply and Delivery of Computer hardware with design and installation of MAWAD upgraded billing and collection system version 2018 bundled of appropriate licenses	463,000.00
March	1 06 05 010	Supply, Delivery and Installation of one (1) unit brand new Diesel Generator Set (56 kva/45kw, 3phase, 230V/480V) for the newly constructed Pumping Station at Jewelville Subdivision, Brgy. Anolid, Mangaldan, Pangasinan	730,000.00
April	1 06 05 020	Two (2) air conditioning units (1hp and 2.5 hp) for the replacement of defective air conditioning units at the Administrative Division office	77,859.00
September	1 06 05 020	One (1) unit Heavy Duty Shredder	38,200.00
September	1 06 06 010	One (1) unit Toyota Hi-Ace Comuter	1,545,200.00
November	1 06 05 030	one (1) unit Central Processing Unit (CPU) for Engineering Division's use	20,500.00
November	1 06 05 020	Four (4) units CCTV camera	39,200.00
December	1 06 05 020	one (1) unit smart television 32" for office of the General Manager	14,446.00
TOTAL			P3,524,858.66

Prepared by:


VIOLETA B. GAYAGA
 Division Manager B - Finance

Approved by:


ENGR. MARCELO M. PETONIO
 General Manager