


Republic of the Philippines  
GUIMBA WATER DISTRICT  
DAILY CHLORINE DIOXIDE RESIDUAL MONITORING REPORT  
JULY 1-15, 2021


SAMPLING LOCATION	DAYS OF THE MONTH ( Residual =PPM/ Time of Sampling)															REMARKS
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
CASONGSONG	0.30 9:30AM															4
STA. VERONICA PUMPING STATION		0.33 7:06AM														1
CAWAYANG BUGTONG			0.28 8:18AM													4
MACATCATUIT				0.28 9:00AM												4
SAN ROQUE PUMPING STATION					0.34 9:58AM											1
STA ANA						0.27 10:45AM										4
CABALLERO							0.28 8:03AM									4
TAMPAC 2-3 PUMPING STATION								0.33 9:26AM								1
SAN AGUSTIN									0.26 9:00AM							4
FAIGAL										0.24 12:31PM						4
TRIALA											0.28 7:52AM					4
SAN RAFAEL PUMPING STATION												0.33 7:54AM				1
SAN MIGUEL													0.25 8:17AM			4
MACAPABELLAG														0.26 9:30AM		4
NAGPANDAYAN															0.28 8:12AM	4

DAILY SAMPLING: (1) Nearest point from every water source where full chlorination has been obtained (2) Nearest point of every distribution dead-end (3) nearest point reservoir outlet (4) Concessionaire's Tap  
RESIDUAL SAMPLERS:

REVIEWED By:

CERTIFIED By:

  
FRANCIS E. ESQUIVEL  
DIVISION MANAGER B-ENGINEERING

  
RAUDERICK A. RAMOS  
SR. WATER MAINTENANCE MAN-A

  
ROMMEL G. GRAGASIN  
DIVISION MANAGER B-PRODUCTION

  
ENGR. FELIXBERTO C. LEGARDA  
GENERAL MANAGER

Republic of the Philippines  
GUIMBA WATER DISTRICT  
DAILY CHLORINE DIOXIDE RESIDUAL MONITORING REPORT  
JULY 16-31, 2021

SAMPLING LOCATION	DAYS OF THE MONTH ( Residual =PPM/ Time of Sampling)																REMARKS
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MATURANOC PUMPING STATION	0.33 1:08PM																1
PACAC		0.27 9:00AM															4
BACAYAO BOOSTER PUMPING STATION			0.33 9:00AM														3
BACAYAO PUMPING STATION				0.32 9:18AM													1
CARDINAL					0.26 8:16AM												4
YUSON						0.23 7:38AM											4
BALBALINO							0.28 8:02AM										4
MANACSAC								0.29 8:42AM									4
CALEM									0.22 8:02AM								4
BANTUG PUMPING STATION										0.32 9:07AM							1
CAMIING											0.28 7:44AM						4
SAN ANDRES PUMPING STATION												0.32 10:39AM					1
MACAMIAS													0.23 8:18AM				4
BAGONG BARIO														0.27 8:05AM			4
RUFINA HOMES V PUMPING STATION															0.34 9:50AM		1
STA CRUZ																0.26 10:48AM	4

DAILY SAMPLING: (1) Nearest point from every water source where full chlorination has been obtained (2) Nearest point of every distribution dead-end (3) nearest point reservoir outlet (4) Concessionaire's Tap  
RESIDUAL SAMPLERS:

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GENERAL MANAGER



FORM I - STANDARD FORMAT FOR MICROBIOLOGICAL TEST RESULTS

(Instruction: Fill up the yellow-colored cells)

GUIMBA

Province: NUEVA ECIJA

WATER DISTRICT

SUMMARY REPORT ON MICROBIOLOGICAL TEST

MONTH OF JULY

2021

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

73,030

No. of service connections

14,606

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

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

17 samples

2.b For Heterotrophic Plate Count

17 samples

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

3. Sample Requirement

a. No. of samples examined.

25

b. Percent (%) to the minimum required.

147.1%

c. Met Standards?

Yes

Yes

No

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

4. Parameter/Method

A. Total Coliform

4.1 Multiple Tube Fermentation Technique (MTFT)

a. Number of samples showing presence of coliform group.

0

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

0.0%

c. Met Standards?

Yes

Yes

No

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

4.2 Membrane Filter Technique (MFT)

a. Number of samples showing presence of coliform colonies.

0

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

0.0%

c. Met Standards?

Yes

Yes

No

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

4.3 Enzyme Substrate Coliform Test (EST)

a. Number of samples showing presence of coliform.

0

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

0.0%

c. Met Standards?

Yes

Yes

No

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

B. Thermotolerant Coliform/ E. coli

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

MTFT: MPN/100 ml value of < 1.1

EST: Absent or < 1 MPN/100 ml

MFT: < 1 thermotolerant coliform colonies/100ml.

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

- c . Met Standards?

☒ Yes

Yes

☐ No

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

0

0.0%

C. Heterotrophic Plate Count (HPC)

- a . Number of HPC tests conducted.

Percent (%) to the minimum required.

Met Standards (no. of samples)?

☒ Yes

Yes

☐ No

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

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

- d . Met Standards?

☒ Yes

Yes

☐ No

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

25

147.1%

25

100.0%

5 DISINFECTION RESIDUAL

5.A Using Free Residual Chlorine

- a . No. of days without a test conducted

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

- c . Met Standards?

☒ Yes

Yes

☐ No

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

0

0

5.B Using Chlorine Dioxide

- a . No. of days without a test conducted

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

- c . Met Standards?

☒ Yes

Yes

☐ No

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

0

0

NOTE:

FOR MICROBIOLOGICAL RESULTS:

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

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

SUBMITTED BY:

ENG'R. FELIXBERTO C. LEGARDA

General Manager