GUAM ENVIRONMENTAL PROTECTION AGENCY • AHENSIAN PRUTEKSIÓN LINA'LA' GUÅHAN
LOURDES A. LEON GUERRERO • GOVERNOR OF GUAM | JOSHUA F. TENORIO • LIEUTENANT GOVERNOR OF GUAM
MICHELLE C. R. LASTIMOZA • ADMINISTRATOR

Date: JUL 10 2025

Mr. John M. Quinata
Executive Director
Guam International Airport Authority
P.O. Box 8770
Tamuning, Guam 96931

RE: **NOTICE OF VIOLATION/ORDER OF COMPLIANCE OF THE GROUND WATER RULE SDW- NOV/OC-25-002**
GUAM INTERNATIONAL AIRPORT AUTHORITY (GIAA) WATER SYSTEM
PWS ID: GU0000018

Hafa Adai Mr. Quinata:

Buenas yan Saluda. Pursuant to 10 Guam Code Annotated (GCA) Chapter 53, known as the Safe Drinking Water Act (SDWA), Guam Environmental Protection Agency is authorized to perform any and all acts necessary to fulfill the functions and requirements of the Act in order to promulgate and enforce the Guam Primary and Secondary Drinking Water Regulations (GSDWR) covered under Guam Public Law No.35-115 that shall apply to each Public Water Systems (PWSs) in Guam including those owned and operated by the Government of Guam and Federal Agencies.

I. BACKGROUND

Guam Environmental Protection Agency (Guam EPA) received Guam International Airport Authority (GIAA) Water System's Monthly Compliance Report for June 2025 delivered on July 08, 2025. After reviewing the report, there was a routine positive Total-Coliform and negative E. Coli sample in the distribution system, sample laboratory ID number: 5060307-02, with repeat negative Total-Coliform and E. Coli samples. GIAA did not provide the Triggered Source Water Monitoring (TSWM) results for the routine Total-Coliform positive sample.

Guam EPA delivered the Ground Water Rule Declaration letter to GIAA on November 18, 2019. We did not receive a declaration response, resulting in GIAA being subject to the TSWM requirements pursuant to GSDWR §6141.402(a)(1)(i). However, on May 12, 2025 Guam EPA approved GIAA's 9-year comprehensive Safe Drinking Water Sampling and Monitoring Plan (2025-2033) indicating TSWM before treatment under the Ground Water Rule in Appendix A (Page 29).

Pursuant to Guam Safe Drinking Water Regulations (GSDWR) §6141.402, PWS that are notified of any positive Total-Coliform sample collected in compliance with RTCR must conduct TSWM within 24 hours. For every positive routine sample, one triggered monitoring sample for fecal indicators must be taken at each ground water source that was in use at the time the positive sample was taken. The sample(s) must be taken before treatment.

In response to a fecal indicator-positive triggered source sample, Guam EPA will require additional sampling or corrective action, such as flushing out the source, in lieu of additional samples. Guam EPA requires additional sampling and will notify the PWS that they must take 5 additional source samples (from the source(s) that contained the original fecal indicator-positive samples) within 24 hours of being notified of the fecal indicator-positive source sample. If the PWS does not receive notification from Guam EPA within 24 hours of learning of the first fecal indicator-positive TSWM sample they must proceed with additional sampling requirements.

Accordingly, Guam EPA determined that you are in violation with the provision of the Guam Safe Drinking Water Regulations (GSDWR) as follows:

Corrected on July 10, 2025 by Julz Mendoza
Triggered Source Water Monitoring

II. VIOLATION: Failure to Conduct and Report required ~~Compliance Monitoring~~

Under the Guam Safe Drinking Water Regulations (GSDWR) §6141.402, PWS that are notified of any positive Total-Coliform sample collected in compliance with RTCR must conduct TSWM within 24 hours. For every positive routine sample, one triggered monitoring sample for fecal indicators must be taken at each ground water source that was in use at the time the positive sample was taken. The sample(s) must be taken before treatment.

According to your records, GIAA Water System failed to conduct the required compliance monitoring under the TSWM requirements.

III. COMPLIANCE ORDER

GIAA Water System must comply with the Guam Safe Drinking Water Act (GSDWA) and Guam Safe Drinking Water Regulations (GSDWR) and take the following actions within the specified timeframe:

a. GIAA Water System must conduct TSWM at each ground water source (before treatment) that was in use at the time the positive sample was taken. If your sample collected from the ground water source is fecal indicator-positive, notify Guam EPA. In addition to the notification to Guam EPA, GIAA water system must take five additional source samples within 24 hours of being notified of the fecal-indicator positive source sample from the same fecal-indicator ground water source. The water system must conduct TSWM at each ground water source within 24 hours (after receiving this NOV) and notify Guam EPA of the results for further instructions.

b. GIAA Water System must notify the affected customers of the violation pursuant to GSDWR §6141.201(iv) and §6141.204, not later than one year after the you learn of the violation (See attached Tier 3 Notice Instructions and Template).
c. Submit a copy of the notice to Guam EPA no later than 24 hours after providing the notification required in paragraph (b) above.
d. Submit to the Guam EPA a certification pursuant to GSDWR §6141.31(a), within 10 days of completing the public notification that GIAA Water System has fully complied with the public notification regulations. The public water system must include with this certification a representative copy of each type of notice distributed, published, posted, and made available to the persons served by the system and to the media.

Following this notice of violation/compliance order, Guam EPA will issue GIAA a letter explaining in detail the requirements for the TSWM under the Ground Water Rule.

Failure to comply with Notice of Violation/Compliance Order may subject you to a penalty not to exceed $32,500 for each of the violation pursuant to GSDWA Chapter 53 of Division 2, Title 10 Guam Code Annotated §53120(a).

Guam EPA Safe Drinking Water Program staff is available to help you develop your public notice or submit your draft notice for our review and approval for conformance with the regulations. If you need assistance, contact Ms. Julie Mendoza from our office at julie.mendoza@epa.guam.gov.

IV. NOTICE OF RIGHT TO APPEAL

Pursuant to the GSDWA at §53120(a)(1), this order is issued for immediate action to protect public health from an imminent and substantial danger, and as such, Guam EPA shall provide an opportunity for a hearing within twenty-four (24) hours after service of this order. After such hearing, the Guam EPA Board of Directors may affirm, modify, or rescind this order as appropriate. If you intend to seek such hearing, you may file a Notice of Intent to Appeal also known as a Notice of Defense with the Guam EPA's Board of Directors, setting forth in such Notice of Intent to Appeal/Notice of Defense, a verified petition outlining the legal and factual bases for such an appeal. A copy of the Notice of Intent to Appeal/Notice of Defense is attached for your convenience.

Unless a written request for a hearing signed by or on behalf of the person, agency or business entity named above in this Notice of Violation/Order of Compliance is hand delivered or mailed to Guam EPA within twenty-four (24) hours after the Notice of Violation/Order of Compliance was personally served on you or mailed to you, Guam EPA may proceed upon the Notice of Violation/Order of Compliance without a hearing. A request for hearing may be made by delivering the enclosed form entitled "Notice of Intent to Appeal also known as a Notice of Defense", or by delivering a notice of defense as provided in 5 GCA §9205, to the following address:

Guam Environmental Protection Agency Board of Directors
c/o Administrator Guam Environmental Protection Agency

Building 17-3304 Mariner Avenue
Tiyan Barrigada, Guam 96913

If you file a Notice of Intent to Appeal/Notice of Defense, the Guam EPA's Board of Directors shall hold a public hearing, at which time you may appear and present evidence in person or through counsel in support of this petition.

Failure to file a Notice of Intent to Appeal and Verified Petition within the period specified above will constitute a waiver of your right to a hearing. If you waive your rights to a hearing the Notice of Violation and Order of Compliance will become final, and Guam EPA may proceed upon the Order without a hearing and without further notice to you.

Please note that the time required to adjudicate any such appeal does not eliminate the timelines established under the GSWDA or GSDWR for providing public notice or taking other required action to mitigate the threat to public health, and failure to provide such notice or take such action may result in additional findings of violation.

Should you have any questions, please contact Ms. Julie Mendoza, Environmental Health Specialist III at julie.mendoza@epa.guam.gov or Ms. Nicole Diras, Environmental Health Specialist I at nicole.diras@epa.guam.gov or Johnny Abedania, Acting Chief Engineer at johnny.abedania@epa.guam.gov.

Senseramente,

MICHELLE C. R. LASTIMOZA
Administrator

Cc: Guam Waterworks Authority
PCR Environmental, Inc.
Ms. Amanda Quay, USEPA Region 9
Mr. Everett Pringle, USEPA Region 9 Enforcement and Compliance Assurance Division Attorney General Office

Enclosure:
Guam EPA Ground Water Rule Declaration Letter
Guam EPA Approval Letter dated May 12, 2025
Ground Water Rule in Appendix A
Instructions for Tier 3 Public Notice
Tier 3 Public Notice Template
Public Notice for Problem Corrected Form
Public Notice Certification Form
Notice of Defense

AHENSIAN PRUTEKSION LINA'LA GUÅHAN
LOURDES A. LEON GUERRERO, GOVERNOR OF GUAM • JOSHUA F. TENORIO, LIEUTENANT GOVERNOR OF GUAM
WALTER S. LEON GUERRERO, ADMINISTRATOR

Date: OCT 3 1 2019

Mr. Thomas Ada
Executive Manager
Guam International Airport Authority
P.O. Box 8770
Tamuning, Guam 96931

RE: Ground Water Rule
Guam International Airport Authority
PWS ID# GU0000018

Hafa Adai Mr. Ada:

The Ground Water Rule was published on November 8, 2006 to provide increased protection against pathogens in public water systems that use ground water sources. One requirement of the rule is that public water systems using ground water as their source must notify Guam Environmental Protection Agency (GEPA) if they are currently providing 4-log treatment of viruses. This treatment can be achieved using inactivation (disinfection), removal (filtration), or a combination of inactivation and removal that has been approved by GEPA. If you are one of these systems, you are required to notify us no later than December 1, 2019.

We have included a form with this letter to help you comply with this requirement. If you have more than one treatment facility using a ground water source, make copies of the form before filling it out and submit one completed copy for each treatment facility (or entry point to distribution system). Please complete a copy of the form for each treatment facility that uses a ground water source.

An explanation of what constitutes 4-log treatment of viruses is provided on the form. If you are not sure how to determine how much virus treatment your system has, call GEPA SDW Staff Ms. Julie Mendoza at (671)300-9026 and she will help you make that determination. If you understand how to make the determination but do not have the necessary information, check the box that says "We do not know if our ground water system provides 4-log treatment of viruses." A representative from our office will call you and advise you how to proceed.

If you have declared that you are providing 4-log virus removal, you will be required to conduct compliance monitoring. Compliance monitoring involves measuring and recording daily chlorine residual at the first customer for those systems that chlorinate, and documenting daily treatment operations for those systems that do not use chlorine. Compliance monitoring starts on January 1, 2020.

If you have declared that you are not providing 4-log virus removal, you may be required to conduct source water monitoring if total coliform bacteria are detected in your distribution system during routine monthly RTCR monitoring. Source water monitoring involves collecting raw water samples from your ground water source and having them tested for fecal bacteria. If fecal bacteria are found, then corrective actions have to be taken to prevent further fecal contamination of your source water.

Completed forms should be mailed to us at the address provided on the form, delivered to Guam EPA 3304 Mariner Avenue Bldg 13 Tiyan Barrigada, Guam 96913. We appreciate your prompt attention and reply.

Sincerely,

WALTER S. LEON GUERRERO
ADMINISTRATOR

Cc: Guam Water Works Authority – Paul Kemp

Enclosures attached.

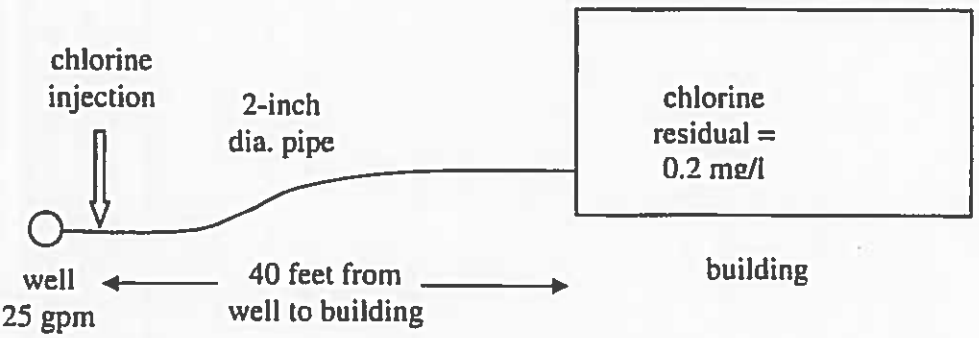
FORMULA FOR CT

The following formula can be used to calculate the CT for a system using chlorine for disinfection, when there is chlorine added continuously to a stream of water in a pipe before the water gets to the first user.

C = chlorine concentration at first user (mg/l)
Q = flow rate (gpm)
D = pipe diameter (in)
L = length of pipe between chlorine injection point and first user (ft)

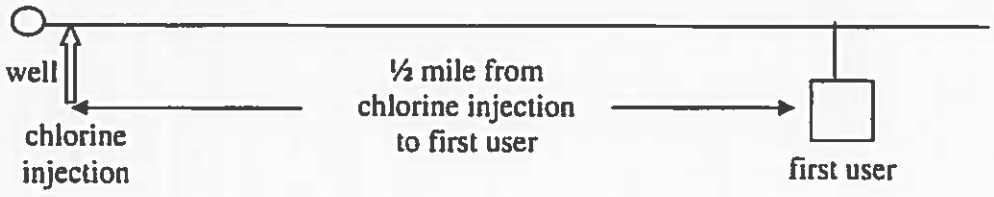
$$CT = 0.04 \times D \times D \times L \times C / Q$$

Example 1: A system injects a chlorine solution into the pipe immediately after the water is pumped from the well. The water goes directly to the building plumbing from the well. The well is 40 feet from the building. The pipe from the well to the building is 2-inch in diameter. The chlorine residual at the first "user" in the building is 0.2 mg/l.



C = 0.2; Q = 25; D= 2; L = 40 CT = 0.04 x 2 x 2 x 40 x 0.2 / 25 = 0.0512
In this case the CT < 2.0, so this system does not provide 4-log removal.

Example 5: A GWA well pumps at 50 gpm into a 4-inch transmission line. The water is chlorinated at the well. The first user is ½ mile from the well. The chlorine residual at the first user is 0.5 mg/L.



C = 0.5; Q = 50; D= 4; L = 0.5mi x 5280ft/mi=2640 ft
CT = 0.04 x 4 x 4 x 2640 x 0.5 / 50 = 17
17 is greater than 2.0, so this system meets the 4-log virus treatment.

Ground Water Rule

Public Water System Declaration on 4-log Virus Treatment

PWSID Number:	< PWS ID>
System Name:	<System Name>
Contact Person:	<Contact Person>
Phone Number:	<Phone Number>

Does Your System Provide 4-log Treatment of Viruses?

If your system disinfects with gaseous or liquid chlorine, use the calculation below to determine the CT that is provided for your ground water. "CT" is an abbreviation for chlorine Concentration multiplied by Time. Since the temperature of the groundwater in the Guam is consistently above 25°C throughout the year, and the pH of the groundwater is between 6.0 and 9.0, a CT of 2.0 (or greater) is required in the Guam to provide 4-log inactivation of viruses. An example of a CT = 2.0 is if the chlorine residual is 0.5 mg/l (C=0.5) at the first user and the time the chlorine is in contact with the water is 4.1 minutes (T=4.1), then C x T = 0.5 x 4.1 = 2.05 which is greater than 2.0.

To calculate your system's CT, multiply the free chlorine residual (in mg/L) at your first user's service connection by the shortest amount of time (in minutes) water comes into contact with the chlorine.

The free chlorine residual (mg/L) at the first user is: C = _____

The shortest amount of time (minutes) the water is in contact with the chlorine is: T = _____

Multiply C _____ x T _____ CT = _____

Is your system's CT _____ = 2.0 circle YES or NO

If your answer is YES, then your system provides 4-log virus treatment for its groundwater source. If your answer is NO, then your system does not provide 4-log virus treatment for its groundwater source.

If your system uses a different kind of disinfection (e.g., UV, ozone, chloramines) and/or filters it s ground water, call the Safe Drinking Water Program at 300-9026. We will work with you to determine how many logs of virus treatment your system provides.

Check the line below that applies to your ground water system:

_____ **Our ground water system probably does not provide 4-log treatment of viruses**
_____ **Our groundwater system probably provides 4-log treatment of viruses**
_____ **We do not know if our groundwater system provides 4-log treatment of viruses**

Please return this form to: Guam Environmental Protection Agency
3304 Mariner Avenue Bldg. 17 Tiyan Barrigada, Guam 96913

Water System Representative: _____ date: _____

Ground Water Rule

Public Water System Declaration on 4-log Virus Treatment

You may want to draw a simple schematic of your water system showing where the chlorine is added to the water, the size of any storage tanks that hold chlorinated water and how far it is from the chlorination point to the first user. See below for examples of how to calculate CT.

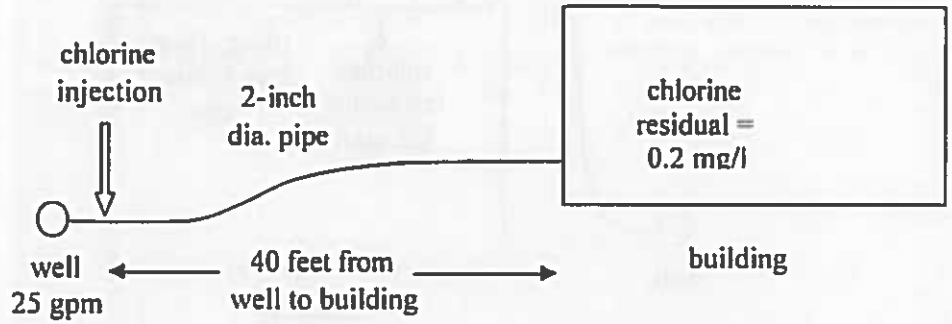
Your water system schematic and CT calculation

Ground Water Rule

Public Water System Declaration on 4-log Virus Treatment

The following are several examples of Public Water Systems in Guam, and how the CT and/or 4-log virus treatment is determined for each system.

Example 1: A system injects a chlorine solution into the pipe immediately after the water is pumped from the well. The water goes directly to the building plumbing from the well. The well is 40 feet from the building. The pipe from the well to the building is 2-inch in diameter. The chlorine residual at the first "user" in the building is 0.2 mg/l.

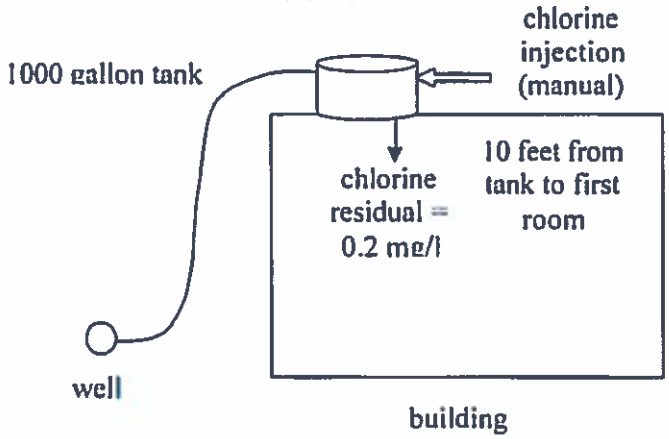


The free chlorine residual at the first user is 0.2 mg/L so C = 0.2
The time that the chlorine is in contact with the water before the first user is the time it takes for the water to flow from the chlorine injection point to the first user. The water is flowing at 25 gal per minute in a 2-inch diameter pipe 40 feet long. The volume of water in the pipe = $(0.785)(D)^2(L) = (0.785)(2/12\ ft)^2(40\ ft) \times 7.481\ gal/ft^3 = 6.5$ gallons. To find out how long it takes the water to get from the chlorine injection point to the building, take 6.5 gallons divided by 25 gallons/minute = 0.26 minutes. So T = 0.26
C x T = 0.2 x 0.26 = 0.052 which is less than 2.0, so this system does NOT provide 4-log virus treatment. [For this system to provide 4-log virus treatment, it either has to increase the chlorine dosage, or slow down the pumping rate from the well. For instance if the well pump rate was slowed to 5 gpm and the chlorine residual was 1.6 mg/L then C = 1.6 and T = 6.5 gallons / 5 gallons per minute = 1.3 and C x T = 1.6 x 1.3 = 2.4 which is greater than 2.0, so the system would provide 4-log removal of viruses.]

Ground Water Rule

Public Water System Declaration on 4-log Virus Treatment

Example 2: A system pumps water from a well to a 1,000 gallon tank on the roof. The system only pumps water into the tank when the water level in the tank falls below half the level of the tank. The system manually adds chlorine to the tank each time it fills the tank with water. The chlorine residual at the first "user" (room) in the building is 0.2 mg/l. The first room is 10 feet away from the tank (below the tank), and the water flows by gravity to the first user through ½ diameter pipe.



Since the chlorine residual is 0.2 mg/L at the first user, then C = 0.2
In this case it is hard to determine the T because there is no exact flow rate from the tank to the faucet in the first room. The 10 foot long ½ inch pipe from the tank to room has a negligible volume (only 0.1 gallons). But some credit can be given for the volume of water in the tank. EPA guidance allows a credit of 10% of the volume of the tank for a tank that does not have any baffling. 1,000 gallon tank x 10% = 100 gallons. Assume the flow rate to the first room is 1 gpm (a typical faucet). Then the time the chlorine is in contact with the water before it reaches the first customer is 100 gallons divided by 1 gal/minute = 100 minutes. So T = 100. C x T = 0.2 x 100 = 20, which is greater than 2.0. This system provides 4-log virus treatment.

Further discussion: It is difficult to judge the actual T in the situation above. To ensure that a CT of 2.0 is achieved, an operator may choose to hold the water in the storage tank for a definite period of time after adding the chlorine, before releasing it into the distribution system. For example if the chlorine residual of the water was 0.2 mg/L and the water was held in the tank for at least 10 minutes before being released, then the CT would be C x T = 0.2 x 10 = 2.0. In this case the contact time and residual are assured to meet the minimum of 2.0 for the 4-log virus treatment.

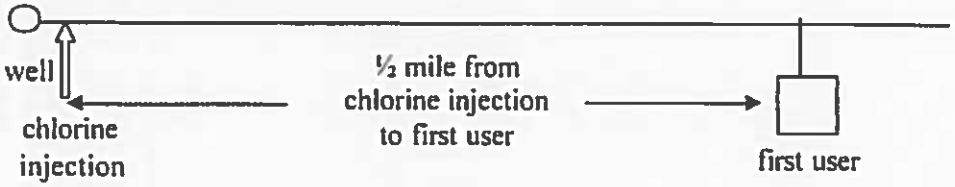
Example 3: A system gets groundwater from another PWS, but adds additional chlorine to the water before distributing the water to its users.

If the upstream (wholesale) PWS has declared that they achieve 4-log virus treatment, then the consecutive system also achieves 4-log virus treatment. No further calculation is necessary. If the wholesale system has not declared that they achieve 4-log virus treatment, then the consecutive system will want to calculate the CT based on the point at which they add the chlorine, and the chlorine residual and the time to the first user.

Example 4: A bottled water company filters well water through a reverse-osmosis system, then disinfects the water with UV, before sending it to a product storage tank.

The system does not get any credit for virus treatment from the UV disinfection system. There are viruses that are resistant to UV. The system may get 4-log virus removal credit for the reverse-osmosis filtration system DEQ will approve the filtration process credit on a case-by-case basis.

Example 5: A CUC well pumps at 50 gpm into a 4-inch transmission line. The water is chlorinated at the well. The first user is ½ mile from the well. The chlorine residual at the first user is 0.5 mg/L.



C = 0.5
The transmission line from the well to the first user contains $(0.785)(D)^2(L)$ = $(0.785)(4/12ft)^2(5{,}280$ ft/mile x 0.5 mile) x 7.481 gal/ft^3 = 1,723 gallons. The time from the chlorine injection to the first user is 1,723 gallons / 50 gal/min = 34 minutes. T = 34
CT = C x T = 0.5 x 34 = 17 which is greater than 2.0, so this system meets the 4-log virus treatment.

GUAM ENVIRONMENTAL PROTECTION AGENCY • AHENSIAN PRUTEKSION LINA'LA' GUÅHAN
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MICHELLE C. R. LASTIMOZA • ADMINISTRATOR

Date: MAY 12 2025

Mr. John M. Quinata
Executive Director
Guam International Airport Authority
P.O. Box 8770
Tamuning, Guam 96931

Subject: Guam International Airport Authority 9-year Comprehensive Safe Drinking Water Sampling and Monitoring Plan (2025-2033)
PWS ID#: GU0000018

Hafa Adai Mr. Quinata:

Guam Environmental Protection Agency (GEPA) received your letter of transmittal dated April 28, 2025 requesting our review and approval of Guam International Airport Authority (GIAA) water system's 9-year comprehensive Safe Drinking Water Sampling and Monitoring Plan for 2025-2033.

GEPA approves GIAA water system's 9-year Comprehensive Safe Drinking Water Sampling and Monitoring Plan (2025-2033). Please ensure GIAA begins sampling and monitoring starting in 2025. We congratulate you and your staff for all your efforts to completing and finalizing the plan! For any future changes or updates to your sampling and monitoring plan, please submit a letter of request to GEPA for our approval.

Please continue to maintain the system's ability to produce and distribute safe drinking water in accordance with the Guam Safe Drinking Water Regulations (GSDWR) and Primary Drinking Water Regulations.

Should you have any questions, please contact Ms. Julie Mendoza, Environmental Health Specialist III at julie.mendoza@epa.guam.gov or Ms. Nicole Diras, Environmental Health Specialist I at nicole.diras@epa.guam.gov or Johnny Abedania, Acting Chief Engineer at johnny.abedania@epa.guam.gov.

Dangkolu na si Yu'us ma'ase'.

Senseramente,

MICHELLE C.R. LASTIMOZA
Administrator

Monitoring Schedule for: GUAM INTERNATIONAL AIRPORT AUTHORITY

PWS ID: GU00000018 Source: Ground Water PWS Type: NTNCWS

Contaminant	Sampling Location	Triggers for Increased or Decreased Sampling	COMPLIANCE CYCLE	Remarks
			1st Compliance Period: 2025 (1 2 3 4), 2026 (1 2 3 4), 2027 (1 2 3 4); 2nd Compliance Period: 2028 (1 2 3 4), 2029 (1 2 3 4), 2030 (1 2 3 4); 3rd Compliance Period: 2031 (1 2 3 4), 2032 (1 2 3 4), 2033 (1 2 3 4)	
BacT (Finished Water)	DS		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor monthly - 10 samples
Chlorine Residual	DS		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor Daily
Chlorides	Wellhead before treatment		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
TTHM & HAA5	DS		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
DDBPs	DS		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
Asbestos	DS	>MCL quarterly until results are consistently (R & C) below MCL	x x x x x	Quarterly for one year
Sodium	EPTDS		x x x	Monitor every three years
Nitrate	EPTDS	* 50% MCL quarterly until R & C below MCL	x x x x x x x x x	Monitor annually
Nitrite	EPTDS	* 50% MCL quarterly until R & C below MCL	x x x x x x x x x	Monitor annually
VOCs (Regulated and Unregulated)	EPTDS	Any detection at or above MDL quarterly until R & C below MCL	x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
IOCs	EPTDS	>MCL quarterly until R & C below MCL	x x x	Monitor every three years
SOCs, PCBs, Pesticides (Regulated and Unregulated)	EPTDS	Any detection at or above MDL, quarterly until R & C below MCL	x x x	Monitor every three years
PFAS	EPTDS	Any detection above the trigger level or any EPTDS results below the trigger level	x x	Initial monitoring of 2 consecutive samples per entry point within a 12 month period (completed by April 26 2027)
Dieldrin	EPTDS		x x x x x	Initial monitoring of four consecutive quarters
RADs	EPTDS		x x x x x	Initial monitoring of four consecutive quarters
Lead and Copper	DS		x x	Initial monitoring of first six months and second six months
Effluent Before GAC	GAC		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
Influent after GAC	GAC		x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x x	Monitor quarterly
Sanitary Survey	Entire Water System		x x x x	Once every three years
Groundwater Rule (Triggered Source Water Monitoring)	Before Treatment			As required

Instructions for Failure to Comply with a Testing Procedure – Template 3-3

Template on Reverse

Failure to comply with a testing procedure requires Tier 3 notification. You must provide public notice to persons served within 12 months after you learn of the violation [40 CFR 141.204(b)]. Multiple testing violations can be serious, and your state may have more stringent requirements. Check with your state to make sure you meet its requirements.

CWSs must use one of the following methods [40 CFR 141.204(c)(1)]:

- Hand or direct delivery
- Mail, as a separate notice or included with the bill
- Another method approved in writing by the state

NCWSs must use one of the following methods [40 CFR 141.204(c)(2)]:

- Posting in conspicuous locations
- Hand delivery
- Mail
- Another method approved in writing by the state

In addition, both CWSs and NCWSs must use another method reasonably calculated to reach others if they would not be reached by the first method [40 CFR 141.203(c)]. Such methods could include newspapers, e-mail, or delivery to community organizations. If you post the notice, it must remain posted until the violation is resolved. If the violation has already been resolved, you must post the notice for at least seven days [40 CFR 141.204(b)]. If you mail, post, or hand deliver, print your notice on your system's letterhead, if available.

The notice on the reverse is appropriate for insertion in an annual notice or the Consumer Confidence Report (CCR) (CWSs only), as long as public notification timing and delivery requirements are met [40 CFR 141.204(d)]. If you do modify the notice, you must still include all required public notice elements from 40 CFR 141.205(a) and leave the mandatory language unchanged (see below).

Mandatory Language

Mandatory language on health effects (from Appendix B to 40 CFR 141 Subpart Q) must be included as written and is presented in this notice in italics with an asterisk on either end. You will need to update the information presented in brackets with the appropriate information.

You must also include standard language to encourage the distribution of the public notice to all persons served, where applicable [40 CFR 141.205(d)]. This language is also presented in this notice in italics with an asterisk on either end.

Corrective Actions

In your notice, describe corrective actions you took, or are taking. Listed below is a step commonly taken by water systems with a holding time violation. You can use the following language, if appropriate, or develop your own that is specific to your testing violation:

- On [give date] we [collected/will collect] a new sample of our finished water in order to have it analyzed for [contaminant]. We [sent/will send] the sample to the certified laboratory via courier to ensure that the sample arrived within the allowed holding time.

After Issuing the Notice

Make sure to send a copy of each type of notice and a certification that you have met all the public notification requirements to your state within 10 days after the original or any repeat notice(s) [40 CFR 141.31(d)].

Failure to Comply with a Testing Procedure Notice – Template 3-3

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

[Water System Name] Failed to Comply With a Testing Procedure

Our water system [Water System Name] recently failed to comply with a required testing procedure. Even though this was not an emergency, as our customers, you have a right to know what happened and what we did to correct the situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During [compliance period], we did not complete all monitoring or testing for [contaminant(s)], and therefore cannot be sure of the quality of your drinking water during that time.

Any sample we collect must be sent to and analyzed by a certified laboratory within a specified amount of time. We collected the sample on [give date], but did not get our sample to the laboratory within the allowed holding time.

What should I do?

There is nothing you need to do at this time. You may continue to drink the water. If a situation arises where the water is no longer safe to drink, you will be notified within 24 hours.

What is being done?

On [give date] we [collected/will collect] a new sample of our finished water in order to have it analyzed for [contaminant]. We [sent/will send] the sample to the certified lab via courier to ensure that the sample [arrived/arrives] within the allowed holding time. The sample was analyzed and [contaminant] was not found at detectable levels.

For more information, please contact [name of contact] at [phone number] or [mailing address].

> **Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.**

This notice is being sent to you by [water system name]. State Water System ID#: _____.

Date distributed: _____.

Instructions for "Problem Corrected" Notice – Template 1-6

Template on Reverse

It is a good idea to issue a notice when a serious violation or situation has been resolved. Although EPA regulations do not require such notices, your primacy agency may require you to issue one. You should coordinate with your local health department as well. Below are some recommended methods for a "problem corrected" notice. You should use the same delivery methods you used for the original notice.

- Radio
- Television
- Newspaper
- Hand or direct delivery
- Posting in conspicuous locations

You may wish to use additional methods (e.g., delivery of multiple copies to hospitals, clinics, or apartment buildings) if necessary to reach all persons served. If you post or hand deliver, print your notice on your system's letterhead, if available.

The notice on the reverse is very general and can be used for any violation or situation. However, to help restore consumers' confidence in the water system, you should modify the notice to fit your situation. Although the public should have seen your initial notice, there may be additional information you learned after the notice was issued. Therefore, you should describe the violation or situation again and discuss how the problem was solved.

DRINKING WATER PROBLEM CORRECTED

Customers of [system] were notified on [give date] of a problem with our drinking water and were advised to [describe recommended action]. We are pleased to report that the problem has been corrected and that it is no longer necessary to [describe recommended action]. We apologize for any inconvenience and thank you for your patience.

[Add further details here when appropriate.]

As always, you may contact [contact name] at [phone number] or [mailing address] with any comments or questions.

> *Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.*

This notice is being sent to you by [system]. State Water System ID#: _____.
Date distributed: _____.

Public Notice Certification

I _____ certify that the public notice(s) that I am submitting here before you have been posted , hand delivered, mailed, published in the newspaper, or submitted to the media (T.V. / Radio station). I also acknowledge that anybody who knowingly and willfully makes false statement, presentation, or certification in any application, records, report plan or other documentation filed or required to be maintained under the Guam Safe Drinking Water Regulations, or by any certification, or order issued under the Guam Safe Drinking Water Regulations, or who falsifies, tampers with or knowingly renders inaccurate information shall be subject to the penalties.

Notice distributed by _____ on _____.
(Method of Notification) (Date of Notification)

Public Notice Locations: _____.

Public Notice has required Elements;

☐ A description of the violation (MCL or FTM, etc...)
☐ When the violation or situation occurred (MCL or FTM, etc...)
☐ Potential adverse health effects, using the standard mandatory language(MCL)
☐ Population at risk (MCL)
☐ Whether alternative water supply is needed (MCL or FTM, etc...)
☐ Actions consumers should take to reduce their exposure to the contaminant (MCL)
☐ What are you doing to correct the violation or situation (MCL or FTM, etc...)
☐ When you expect to return to compliance (MCL or FTM, etc...)
☐ Name, business address, and phone number for additional information, and (MCL or FTM, etc...)
☐ Standard language encouraging distribution to all persons served. (Where applicable)

_____ _____
(Signature of PWS contact) (PWS contact title)

_____ _____
(PWS Name) (PWS I.D. Number)

GUAM EPA CASE#_____

NOTICE OF DEFENSE

I, _____, have received your Notice of Violations and/or Order of Compliance, dated_____, charging me for violations, and I wish to:

(Please check appropriate sections)

[ ] A. Request for a hearing and

[ ] 1. Object to the accusation on the ground that it does not state acts or omissions upon which the Agency can proceed.

[ ] 2. Object to the form of accusation on the ground that it is so indefinite or ambiguous that I cannot identify the infraction or prepare my defense.

[ ] 3. Wish to prepare new matter in my defense.

[ ] 4. Admit to the accusation in part.

[ ] B. Admit the accusation in whole.

My mailing address is: _____

_____

_____

Signature: _____

Date: _____

2025-174

GUAM WATERWORKS AUTHORITY

"Good Water Always"
GUAM INTERNATIONAL AIRPORT AUTHORITY
P.O. Box 8770
Tamuning, Guam 96931

To: **GEPA**

From: **Ray C. Quintanilla**

Pages: **8 Pages**

Phone #: **671-777-3197**

Re:

1. **GIAA Public Water Supply System Monthly Compliance Report for June 2025**
2. **GIAA Public Water Supply System Monthly Well Production Report for June 2025**
3. **Copy of the Well Production Report for June 2025**
4. **Potable Water Analytical Report: 06/03/2025 & 06/17/2025**
5. **Chain of Custody Form: 06/03/2025 & 06/17/2025**

( ) Urgent **( ) For Review**

( ) Please Reply **( ) Please Recycle**

RWO 7/8/2025
TO NIKKI
1TC+
REPEATS RE-EC-

Guam Environmental Protection Agency
7/8/25 11:25am
RECEIVED
SDWIS ENTRY: 7/9/25 ND

2025-1741

GUAM WATERWORKS AUTHORITY

GUAM INTERNATIONAL AIRPORT AUTHORITY PUBLIC WATER SUPPLY SYSTEM

JUNE 2025

PWS ID Number: GU- 0000018

DATE	GIAA-1 METER	GIAA-2 METER	GIAA-3 METER	DAILY TOTAL GALLONS
06/01/25	122,478,000	520,507,000	47,804,000	321,000
06/02/25	122,478,000	520,822,000	47,804,000	315,000
06/03/25	122,478,000	521,127,000	47,804,000	305,000
06/04/25	122,745,800	521,452,000	47,804,000	592,800
06/05/25	123,032,400	521,534,000	47,804,000	368,600
06/06/25	123,332,800	521,534,000	47,804,000	300,400
06/07/25	123,617,000	521,534,000	47,804,000	284,200
06/08/25	123,902,000	521,534,000	47,804,000	285,000
06/09/25	124,193,000	521,534,000	47,804,000	291,000
06/10/25	124,467,600	521,788,000	47,804,000	528,600
06/11/25	124,755,600	522,095,000	47,804,000	595,000
06/12/25	125,046,400	522,095,000	47,804,000	290,800
06/13/25	125,341,000	522,095,000	47,804,000	294,600
06/14/25	125,627,600	522,095,000	47,804,000	286,600
06/15/25	125,919,800	522,095,000	47,804,000	292,200
06/16/25	126,208,800	522,095,000	47,804,000	289,000
06/17/25	126,499,400	522,095,000	47,804,000	290,600
06/18/25	126,784,200	522,375,000	47,804,000	564,800
06/19/25	127,074,800	522,375,000	47,804,000	290,600
06/20/25	127,356,400	522,375,000	47,804,000	281,600
06/21/25	127,661,800	522,709,000	47,804,000	639,400
06/22/25	127,661,800	522,995,000	47,804,000	286,000
06/23/25	127,661,800	523,313,000	47,804,000	318,000
06/24/25	127,661,800	523,636,000	47,804,000	323,000
06/25/25	127,943,800	523,939,000	47,804,000	585,000
06/26/25	128,235,000	524,019,000	47,804,000	371,200
06/27/25	128,528,800	524,019,000	47,804,000	293,800
06/28/25	128,815,800	524,019,000	47,804,000	287,000
06/29/25	128,815,800	524,318,000	47,804,000	299,000
06/30/25	128,815,800	524,643,000	47,804,000	325,000
TOTALS:	**6,337,800**	**4,457,000**	**0**	

GRAND TOTAL GALLONS:	**10,794,800**

Prepared By: _____ 7/8/2025
DATE

Concurred by: Paul Kemp
AGM of Compliance & Safety

07/07/2025
DATE

- [ ] SYSTEM I
- [ ] SYSTEM II
- [ ] SYSTEM III
- [x] GU0000018

GUAM WATERWORKS AUTHORITY

LABORATORY DIVISION
P.O. BX. 3010 AGANA, GUAM 96932
PHONE NO. (671) 300-6360 EXT 7756

POTABLE WATER ANALYTICAL REPORT

- [x] ROUTINE
- [ ] REPEAT SAMPLES
- [ ] WATER COMPLAINT
- [ ] TANKER DISINFECTION
- [ ] DISINFECTION OF NEW WATER LINE
- [ ] TYPHOON
- [ ] JOINT SAMPLING WITH GEPA
- [ ] OTHERS

AC

ANALYZED BY: A. CRISOSTOMO
DATE / TIME ANALYZED: 6/3/2025 10:35
DATE OF REPORT: 6/4/2025
SAMPLE TYPE: GRAB
ANALYTICAL METHODS: SM_{m}4500, SM_{m}9223B

					Cl_2 RESIDUAL (SM_{m}4500Cl(g))			TOTAL COLIFORM (SM_{m}9223B)			ECOLI (SM_{m}9223B)		
DATE SAMPLE ANALYZED	DATE SAMPLE COLLECTED	TIME SAMPLE COLLECTED	LOCATION	LAB SAMPLE ID NO.	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS
6/3/2025	6/3/2025	9:28 AM	FIRE HYDRANT (UNITED HANGER)	5060307 - 01	0.8	0.1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025	6/3/2025	9:45 AM	2" BLOWOFF VALVE NEAR OFFICERS HOUSING	5060307 - 02	1.5	0.1	mg/L	POS ✓	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025	6/3/2025	9:54 AM	CTSI BDLG.	5060307 - 03	1.8	0.1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025	6/3/2025	10:05 AM	ASIA PACIFIC AIRLINES	5060307 - 04	0.4	0.1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025	6/3/2025	10:15 AM	GIAA AIRPORT TERMINAL 2ND FLOOR BATHROOM*	5060307 - 05	1.8	0.1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025			LAB CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/3/2025			FIELD CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml

REVIEWED BY: FRANCIS A. LIZAMA — DATE 7/1/25

APPROVED BY: JENNIFER O. CRUZ — DATE 7/02/25

GUAM WATERWORKS AUTHORITY

GUAM INTERNATIONAL AIRPORT AUTHORITY PUBLIC WATER SUPPLY SYSTEM

MONTHLY COMPLIANCE REPORT FOR: JUNE 2025 PWS ID Number: GU- 0000018

DATE	TIME	RESERVOIR LEVEL		CHLORINE RESIDUAL		COMB. CL2	DAILY WATER DEMAND GALS.	CHLORINE DOSAGE SETTING LBS/DAY			ACTUAL DAILY CL2 LBS.	DAILY PRODUCTION GALS.	B/W EAST G.A.C.		B/W WEST G.A.C.		BACKWASH DISCHARGE GALS.	REMARKS
		CELL 1	CELL 2	CELL 1	CELL 2			PRE-INJECT	CELL 1	CELL 2			NO. 1	NO. 2	NO. 1	NO. 2		
06/01/25	0840	16.2	16.2	N/A	N/A	1.2	386,505	0	0	0	5	321,000						
06/02/25	0833	15.4	15.4	N/A	N/A	1.9	375,098	5	0	0	5	315,000						
06/03/25	0824	14.6	14.6	N/A	N/A	1.8	418,597	5	0	0	5	305,000						
06/04/25	0821	16.6	16.6	N/A	N/A	1.7	384,012	10	0	0	10	592,800						
06/05/25	0756	17.0	17.0	N/A	N/A	1.9	374,681	5	0	0	6	368,600						
06/06/25	0852	16.4	16.4	N/A	N/A	1.9	384,579	5	0	0	6	300,400						
06/07/25	0853	15.7	15.7	N/A	N/A	1.9	378,145	5	0	0	5	284,200						
06/08/25	0834	14.8	14.8	N/A	N/A	1.8	369,291	5	0	0	5	285,000						
06/09/25	0828	14.3	14.3	N/A	N/A	1.9	368,507	0	0	0	5	291,000						
06/10/25	0747	16.1	16.1	N/A	N/A	1.8	393,594	10	0	0	8	528,600						
06/11/25	0747	18.8	18.8	N/A	N/A	1.9	375,027	10	0	0	9	595,000						
06/12/25	0802	18.2	18.2	N/A	N/A	1.8	381,485	5	0	0	5	290,800						
06/13/25	0825	17.4	17.4	N/A	N/A	1.6	386,012	5	0	0	4	294,600						
06/14/25	0837	16.6	16.6	N/A	N/A	1.6	382,118	5	0	0	4	286,600						
06/15/25	0835	15.9	15.9	N/A	N/A	1.8	371,250	5	0	0	7	292,200						
06/16/25	0800	15.3	15.3	N/A	N/A	1.8	358,738	5	0	0	4	289,000						
06/17/25	0836	13.9	13.9	N/A	N/A	1.8	426,305	5	0	0	4	290,600						
06/18/25	0825	16.5	16.5	N/A	N/A	1.8	384,258	10	0	0	11	564,800						
06/19/25	0839	15.6	15.6	N/A	N/A	1.8	397,763	5	0	0	3	290,600						
06/20/25	0854	14.7	14.7	N/A	N/A	1.7	400,868	5	0	0	7	281,600						
06/21/25	0926	17.3	17.3	N/A	N/A	1.7	402,959	10	0	0	10	639,400						
06/22/25	0751	17.4	17.4	N/A	N/A	1.8	377,739	5	0	0	7	286,000						
06/23/25	0755	16.6	16.6	N/A	N/A	1.8	420,861	5	0	0	5	318,000						
06/24/25	0750	14.5	14.5	N/A	N/A	2.0	454,268	5	0	0	5	323,000						
06/25/25	0833	16.7	16.7	N/A	N/A	1.7	432,356	10	0	0	10	585,000						
06/26/25	0841	16.4	16.4	N/A	N/A	1.8	424,408	5	0	0	6	371,200						
06/27/25	0853	15.9	15.9	N/A	N/A	1.8	430,957	5	0	0	6	293,800						
06/28/25	0905	14.1	14.1	N/A	N/A	1.7	428,210	5	0	0	6	287,000						
06/29/25	0755	14.7	14.7	N/A	N/A	2.4	408,796	10	0	0	10	299,000						
06/30/25	0747	13.7	13.7	N/A	N/A	1.6	421,154	5	0	0	5	325,000						

JUNE	WATER DEMAND GALS.	MONTHLY PRODUCTION GALS	CHLORINE USAGE (LBS)	BACKWASH DISCHARGE GALS.
TOTAL	11,898,541	10,794,800	188.0	0

Prepared By: Vincent J Tyquiengco — 07/04/2025 (DATE) — 7/8/2025

Concurred by: Paul Kemp, AGM of Compliance & Safety — 07/07/2025 (DATE)

2025-1741

- [ ] SYSTEM I
- [ ] SYSTEM II
- [ ] SYSTEM III
- [x] GU0000018

GUAM WATERWORKS AUTHORITY

LABORATORY DIVISION
P O BX. 3010 AGANA, GUAM 96932
PHONE NO. (671) 300-6360 EXT 7758

POTABLE WATER ANALYTICAL REPORT

X ROUTINE
REPEAT SAMPLES
WATER COMPLAINT
TANKER DISINFECTION
DISINFECTION OF NEW WATER LINE
TYPHOON
JOINT SAMPLING WITH GEPA
OTHERS

ANALYZED BY: V MESA
DATE / TIME ANALYZED: 6/4/2025 11 25
DATE OF REPORT: 6/5/2025
SAMPLE TYPE: GRAB
ANALYTICAL METHODS: SM_{20}4500, SM_{20}9223B

					Cl_2 RESIDUAL (SM_{20}4500Cl(g))			TOTAL COLIFORM (SM_{20}9223B)			ECOLI (SM_{20}9223B)		
DATE SAMPLE ANALYZED	DATE SAMPLE COLLECTED	TIME SAMPLE COLLECTED	LOCATION	LAB SAMPLE ID NO.	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS
6/4/2025	6/4/2025	10:01 AM	2" BLOWOFF VALVE NEAR OFFICERS HOUSING	5060403 - 01	1 3	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/4/2025	6/4/2025	9 40 AM	WEATHER STATION (UPSTREAM)	5060403 - 02	0 9	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/4/2025	6/4/2025	10:17 AM	CARGO BUILDING - GIAA (DOWNSTREAM)	5060403 - 03	1 5	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/4/2025			LAB CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/4/2025			FIELD CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml

REVIEWED BY FRANCIS A LIZAMA DATE 7/1/25

APPROVED BY JENNIFER O CRUZ DATE 7/04/25

☐ SYSTEM I
☐ SYSTEM II
☐ SYSTEM III
☒ GU0000018

GUAM WATERWORKS AUTHORITY

LABORATORY DIVISION
P.O. BX. 3010 AGANA, GUAM 96932
PHONE NO (671) 300-6360 EXT. 7756

POTABLE WATER ANALYTICAL REPORT

x ROUTINE
REPEAT SAMPLES
WATER COMPLAINT
TANKER DISINFECTION
DISINFECTION OF NEW WATER LINE
TYPHOON
JOINT SAMPLING WITH GEPA
OTHERS

ANALYZED BY V MESA
DATE / TIME ANALYZED 6/17/2025 10 40
DATE OF REPORT 6/18/2025
SAMPLE TYPE GRAB
ANALYTICAL METHODS SM_{21} 4500, SM_{20} 9223B

					Cl$_2$ RESIDUAL (SM_{20} 4500Cl(g))			TOTAL COLIFORM (SM_{20} 9223B)			ECOLI (SM_{20} 9223B)		
DATE SAMPLE ANALYZED	DATE SAMPLE COLLECTED	TIME SAMPLE COLLECTED	LOCATION	LAB SAMPLE ID NO.	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS	RESULTS	REPORTING LIMIT	UNITS
6/17/2025	6/17/2025	10 04 AM	NATIONAL WEATHER SERVICE	5061710 - 01	0 7	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025	6/17/2025	9:46 AM	GIAA CARGO BLDG (PAC AIR)	5061710 - 02	1.5	0.1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025	6/17/2025	9 27 AM	COMMUTER TERMINAL (OLD AIRPORT)	5061710 - 03	1 4	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025	6/17/2025	9:35 AM	GIAA AIRPORT TERMINAL 2ND BATHROOM	5061710 - 04	1 4	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025	6/17/2025	9:00 AM	GIAA 1 5 MG RESERVOIR	5061710 - 05	1 8	0 1	mg/L	NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025			LAB CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml
6/17/2025			FIELD CONTROL					NEG	1	CFU/100ml	NEG	1	CFU/100ml

REVIEWED BY FRANCIS A LIZAMA DATE 7/1/25

APPROVED BY JENNIFER Q CRUZ DATE 7/02/25

CHAIN OF CUSTODY

	PRINT	INITIAL	DATE	TIME
SAMPLED BY	Joseph Cruz	JCC	613125	
WITNESSED BY	Richel Aylon	RA	613125	
RELINQUISHED BY				
RECEIVED BY	C Moreno	CM	6/3/25	1026
ANALYZED BY	A. Cassostomo	AC	↓	1035

GUAM WATERWORKS AUTHORITY
COMPLIANCE AND SAFETY
LABORATORY SERVICES DIVISION
P.O. BOX 3010 AGANA GUAM 96932
PHONE NO. (671) 300-6381

GUAM WATERWORKS AUTHORITY

PROJECT	GIAA BI-MONTHLY ROUTE 1	SAMPLE TYPE	GRAB
SYSTEM ID	GIAA	SAMPLE MATRIX	CHLORINATED FINISHED WATER
PWS ID	GU0000018	ANALYSIS REQUIRED	PRESENCE/ABSENCE CHLORINE RESIDUAL

C.O.C. NO. 10169
WORK ORDER NO. 506037

LIMS MICRO BATCH NO. GSF0305
LIMS WET CHEM BATCH NO. GSF030[illegible]

PRESERVATIVES
100 mL IDEXX Vessels - Sodium Thiosulfate ($Na_2S_2O_3$)

SAMPLE ID NUMBER		SAMPLE LOCATION	SAMPLED TIME	CHLORINE RESIDUAL	SAMPLE VOLUME	REMARKS
506037	-01	FIRE HYDRANT (UNITED HANGER)	0928	0.8	100 mL	
	-02	2" BLOWOFF VALVE NEAR OFFICERS HOUSING	0945	1.5	100 mL	
	-03	CTSI BUILDING	0954	1.6	100 mL	
	-04	ASIA PACIFIC AIRLINES	1005	0.4	100 mL	
	-05	GIAA AIRPORT TERMINAL - 2ND FLOOR BATHROOM	1015	1.8	100 mL	
	QC	LAB CONTROL			100 mL	
	QC	FIELD CONTROL			100 mL	

COLILERT-18
X COLILERT-24

COOLER TEMPERATURE (°C) 4°C
INCUBATOR START TEMPERATURE (°C) 35.3
INCUBATOR END TEMPERATURE (°C) 35.1

CHAIN OF CUSTODY

GUAM AUTHORITY

GUAM WATERWORKS AUTHORITY
COMPLIANCE AND SAFETY
LABORATORY SERVICES DIVISION
P.O. BOX 3010 AGANA GUAM 96932
PHONE NO. (671) 300-6361

	PRINT	INITIAL	DATE	TIME
SAMPLED BY	Joseph Cruz	JCC	6/4/25	
WITNESSED BY	Rachel Aguon	AA	6/4/25	
RELINQUISHED BY				
RECEIVED BY	Vince Mesa	VM	6/4/25	1120
ANALYZED BY	Vince Mesa	VM	6/4/25	1125

PROJECT	GIAA Bimonthly resample	SYSTEM ID	GIAA
SCHEDULE	N/A	PWS ID	GU0000015
ROUTE NUMBER		SAMPLE TYPE	Grab
ROUTE NAME		SAMPLE MATRIX	finished H2O

C.O.C. NO.	10171	LIMS MICRO BATCH NO.	GSF 0601
WORK ORDER NO.	50U0103	LIMS WET CHEM BATCH NO.	GSF0605

ANALYSIS REQUIRED	P/A, Cl2	COLILERT	[illegible]

PRESERVATIVES
[illegible]

SAMPLE ID NUMBER	SAMPLE LOCATION	SAMPLED TIME	CHLORINE RESIDUAL	SAMPLE VOLUME	REMARKS
50U0103-01	PCP 2" Blowoff Valve	1001	1.3	100mL	
-02	Weather Station	0940	0.9		upstream
-03	Camp Building / GIAA	1017	1.5		downstream
QC	Lab Control				
QC	Field Control				

COOLER TEMPERATURE (°C)	12	INCUBATOR START TEMPERATURE (°C)	34.7	INCUBATOR END TEMPERATURE (°C)	34.9

[illegible]

CHAIN OF CUSTODY

	PRINT	INITIAL	DATE	TIME
SAMPLED BY	Rachel Agloh	RA	06/17/25	
WITNESSED BY	Joseph Cruz		06/17/25	
RELINQUISHED BY				
RECEIVED BY	VINCE MESA	VM	6/17/25	1055
ANALYZED BY	VINCE MESA	VM	6/17/25	1040

PROJECT	GIAA BI-MONTHLY. ROUTE 2	SAMPLE TYPE	GRAB
SYSTEM ID	GIAA	SAMPLE MATRIX	CHLOR(AM)INATED FINISHED WATER
PWS ID	GU0000018	ANALYSIS REQUIRED	PRESENCE/ABSENCE, CHLORINE RESIDUAL

GUAM WATERWORKS AUTHORITY

GUAM WATERWORKS AUTHORITY
COMPLIANCE AND SAFETY
LABORATORY SERVICES DIVISION
P.O. BOX 3010 AGANA GUAM 96932
PHONE NO. (671) 300-6361

C.O.C. NO.	10189	LIMS MICRO BATCH NO.	25F1709
WORK ORDER NO.	5061710	LIMS WET CHEM BATCH NO.	25F1710

PRESERVATIVES
100 mL IDEXX Vessels - Sodium Thiosulfate ($Na_2S_2O_3$)

SAMPLE ID NUMBER		SAMPLE LOCATION	SAMPLED TIME	CHLORINE RESIDUAL	SAMPLE VOLUME	REMARKS
5061710	-01	NATIONAL WEATHER SERVICE	1004	0.7	100 mL	
	-02	GIAA CARGO BUILDING	0946	1.5	100 mL	
	-03	COMMUTER TERMINAL	0927	1.4	100 mL	
	-04	GIAA AIRPORT TERMINAL - 2ND BATHROOM	0935	1.4	100 mL	
	-05	GIAA RESERVOIR 1 5 MG	0900	1.8	100 mL	
	QC	LAB CONTROL	-	-	100 mL	
	QC	FIELD CONTROL	-	-	100 mL	

COLILERT-18
X COLILERT-24

COOLER TEMPERATURE (°C)	12°C	INCUBATOR START TEMPERATURE (°C)	35.2	INCUBATOR END TEMPERATURE (°C)	35.3

VERSION 4 7/17/2023