

**GUAM ENVIRONMENTAL PROTECTION AGENCY
ANNUAL PUBLIC WATER SYSTEM
COMPLIANCE REPORT
CALENDAR YEAR 2024**



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Prepared by:

Guam Environmental Protection Agency

Safe Drinking Water Program

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I. The National Drinking Water Program

Overview. The U.S. Environmental Protection Agency (EPA) established the Public Water System Supervision (PWSS) Program under the authority of the 1974 Safe Drinking Water Act (SDWA). Under the SDWA and the 1986 and 1996 Amendments, EPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs) and Maximum Residual Disinfectant Levels (MRDLs). For some contaminants, EPA establishes treatment techniques (TTs) in lieu of an MCL to control unacceptable levels in water. The EPA also regulates how often public water systems (PWSs) monitor their water for contaminants and report the monitoring results to the states or EPA. Generally, the larger the population served by a water system, the more frequent the monitoring and reporting requirements. In addition, EPA requires PWSs to monitor for unregulated contaminants to provide data for future regulatory development. Finally, EPA requires PWSs to notify their consumers when they have violated these regulations. The 1996 Amendments to the SDWA require consumer notification to include a clear and understandable explanation of the nature of the violation, its potential adverse health effects, steps that the PWS is undertaking to correct the violation and the possibility of alternative water supplies during the violation.

The SDWA applies to the 50 states, the District of Columbia, Indian Lands, Puerto Rico, the Virgin Islands, American Samoa, Guam, and the Commonwealth of the Northern Mariana Islands.

The SDWA allows states and territories to seek EPA approval to administer their own PWSS Programs. The authority to run a PWSS Program is called primary enforcement authority or primacy. For a state to receive primacy, EPA must determine that the state meets certain requirements laid out in the SDWA and the regulations, including the adoption of drinking water regulations that are at least as stringent as the Federal regulations and a demonstration that they can enforce the program requirements. EPA can also set other requirements for states to meet in order to qualify and maintain primacy. Once a state receives primacy, it has the responsibility to administer all applicable terms of the National Primary Drinking Water Regulations with EPA oversight. In addition, EPA can provide federal funding to states that have been given primacy.

The 1986 SDWA Amendments gave Indian Tribes the right to apply for and receive primacy. EPA currently administers PWSS Programs on all Indian lands except the Navaho Nation, which was granted primacy in 2000.

Under the authority given to it by Congress through the SDWA and its amendments, EPA promulgates National Primary Drinking Water Regulations to assure the safety of drinking water at the national level. The Regulations are made up of a series of individual regulations which address specific concerns in drinking water. As new concerns are developed, new regulations can be added to the Regulations. Most new regulations address specific contaminants or drinking water issues and contain its own set of monitoring and reporting requirements, MCLs and TTs. Other regulations set forth requirements for informing the public about drinking water quality. States must adopt each new rule along with a set of primacy requirements in order to attain primary enforcement authority for that rule. EPA is also required to reassess its existing MCLs periodically as well as continually assess new contaminants for regulation.

The table below lists the rules which EPA currently enforces and their effective dates:

	RULE	PROMULGATION DATE	EFFECTIVE DATE
1.	Phase I Volatile Organic Chemical Rule	July 08, 1987	January 09, 1989
2.	Total Coliform Rule	June 29, 1989	December 31, 1990
3.	Surface Water Treatment Rule	June 29, 1090	December 31, 1990
4.	Lead and Copper Rule	June 07, 1991	December 07, 1992
5.	Phase II Synthetic Organic/Inorganic Chemical Rule	January 30, 1991	January 01, 1993
6.	Phase V Synthetic Organic/Inorganic Chemical Rule	July 17, 1992	January 01, 1993
7.	Stage 1 Disinfectant/Disinfection By-Products Rule	January 16, 1998	February 16, 1999
8.	Consumer Confidence Report Rule	August 19, 1998	October 19, 1999
9.	Lead and Copper Rule Minor Revisions	September 19, 1999	April 11, 2000
10.	Public Notification Rule	May 04, 2000	June 05, 2000
11.	Unregulated Contaminant Monitoring Rule	September 17, 1999	January 1, 2001
12.	Interim Enhanced Surface Water Treatment Rule	December 16, 1998	January 1, 2002
13.	Long Term 1 Enhanced Surface Water Treatment Rule	January 14, 2022	February 13, 2002
14.	Revised Radionuclides Rule	December 7, 2000	December 8, 2003
15.	Filter Backwash Rule	June 8, 2001	June 8, 2004
16.	Arsenic and Clarifications to Compliance and New Source Water Monitoring Rule	January 22, 2001	January 23, 2006
17.	Long Term 2 Enhanced Surface Water Treatment Rule	January 5, 2006	March 6, 2006
18.	Stage 2 Disinfectant/Disinfection By-Products Rule	January 5, 2006	March 6, 2006
19.	Ground Water Rule	October 11, 2006	December 1, 2009
20.	Revised Total Coliform Rule	February 13, 2013	April 1, 2016
21.	Lead and Copper Rule Revisions	January 15, 2021	June 16, 2021
22.	Lead and Copper Rule Improvements	October 30, 2024	December 30, 2024
23.	Per- and Polyfluoroalkyl Substances (PFAS) Rule		June 25, 2024

Definitions. For the purpose of better understanding this report, the following terms are defined:

Annual State PWS Report. Each quarter, primacy agencies submit data to the Safe Drinking Water Information System (SDWIS/FED), an automated database maintained by EPA. The data

submitted include, but are not limited to, PWS inventory information, the incidence of MCL, MRDL, monitoring and reporting, and treatment technique violations, and information on enforcement activity related to these violations. Section 1414(c)(3) of the SDWA requires states to provide EPA with an annual report of violations of the primary drinking water standards. This report provides the numbers of violations in each of six categories: MCLs, MRDLs, treatment techniques, variances and exemptions, significant monitoring and reporting, and significant consumer notification. The EPA regional offices report the information for Wyoming, the District of Columbia, and all Indian lands but the Navajo Nation. EPA Regional offices also report federal enforcement actions taken. Data retrieved from SDWIS/FED form the basis of this report.

Public Water System (PWS). A PWS is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year. There are three types of PWSs. PWSs can be community systems (such as towns), nontransient noncommunity systems (such as schools or factories), or transient noncommunity systems (such as rest stops or parks). For this report, when the acronym PWS is used, it means systems of all types unless specified in greater detail.

Maximum Contaminant Level (MCL). Under the SDWA, the EPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as MCLs.

Maximum Residual Disinfectant Level (MRDL). The EPA sets national limits on residual disinfectant levels in drinking water to reduce the risk of exposure to disinfectant byproducts formed when public water systems add chemical disinfectant for either primary or residual treatment. These limits are known as Maximum Residual Disinfectant Levels (MRDLs).

Treatment Techniques (TT). For some regulations, the EPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, some bacteria, and turbidity.

Monitoring and Reporting. A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCL or MRDL. If a PWS fails to have its water tested as required or fails to report test results correctly to the primacy agent, a monitoring and reporting violation occurs

Significant Monitoring and Reporting Violations. For this report, significant monitoring and reporting violations are generally defined as any significant monitoring violation that occurred during the calendar year of the report. A significant monitoring and reporting violation, with rare exceptions, occurs when no samples were taken or no results were reported during a compliance period.

Consumer Notification. Every community water system is required to deliver to its customers a brief annual water quality report. This report is to include some educational material, and will provide information on the source water, the levels of any detected contaminants, and compliance with drinking water regulations.

Significant Consumer Notification Violations. For this report, a significant consumer notification violation occurred if a community water system completely failed to provide its customers the required annual water quality report.

Public Notification Violations. The Public Notification Rule requires all PWSs to notify their consumers any time a PWS violated a national primary drinking water regulation or has a situation posing a risk to public health. The time period that a PWS has to notify the public depends upon the risk posed by the violation or situation. Notices must be provided to persons served (not just billing consumers).

Significant Public Notification Violation. For this report, significant public notification violation occurs when a PWS completely fails to notify its consumers that the PWS violated a national primary drinking water regulation or had a situation posing a risk to public health.

Variances and Exemptions. A primacy state can grant a PWS a variance from a primary drinking water regulation if the characteristics of the raw water sources reasonably available to the PWS do not allow the system Attachment D - Page 3 to meet the MCL. To obtain a variance, the system must agree to install the best available technology, treatment techniques, or other means of limiting drinking water contamination that the Administrator finds are available (taking costs into account), and the state must find that the variance will not result in an unreasonable risk to public health. The variance shall be reviewed not less than every 5 years to determine if the system remains eligible for the variance. A primacy state can grant an exemption temporarily relieving a PWS of its obligation to comply with an MCL or treatment technique or both if the system's noncompliance results from compelling factors (which may include economic factors) and the system was in operation on the effective date of the MCL or treatment technique requirement. The state will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than 3 years after the otherwise applicable compliance date. In Guam, exemption is not allowed.

II. Guam 2024 Drinking Water Compliance

Guam's annual compliance report is based on Federal records. Eight (8) public water systems were regulated in Guam as of December 31, 2024.

Public Water Systems of Guam				
System Name	PWSID	Population Served	System Type	Source
Andersen Air Force Base Water System	GU0000009	7,700	Community	Ground Water
GWA Central Water System	GU0000003	12,570	Community	Surface Water Purchased
GWA Northern Water System	GU0000006	135,465	Community	Ground Water
GWA Southern Water System	GU0000001	5,801	Community	Surface Water

U.S. Navy Water System	GU0000010	12,780	Community	Surface Water
Guam International Airport Authority	GU0000018	2,336	Non-Transient Non-Community	Ground Water
Guam Plaza Resort and Spa Water System	GU0000015	1,095	Non-Transient Non-Community	Ground Water
Guam Regional Medical City Water System	GU0000019	1,100	Non-Transient Non-Community	Ground Water Purchased

Violations. A summary of the 2024 drinking water MCL, TT, and significant monitoring/reporting violations is shown in Appendix A. The table in the appendix is organized by contaminant type: Organic Contaminants, Disinfectant/Disinfection By-Products (DBP) Rule, Radionuclides, Revised Total Coliform Rule, Surface Water Treatment Rule, and Inorganic chemicals, Lead and Copper Rule, and Ground Water Rule. A summary of the violations is listed and with the water system names is provided in Appendix B.

Guam EPA issued one (1) violation notices to one (1) system which incurred violations in 2024 for Failure to Report Monitoring Event to Guam EPA under the **Revised Total Coliform Rule**.

There were no violation under the **Disinfectant/Disinfection By-Products (DBP) Rule**.

There were no violations for any of the 75 contaminants regulated under the **Phase I Volatile Organic Chemical, or Phases II and V Synthetic Organic/Inorganic Chemical Rules**.

There were no violations for **Radiological** contaminants.

There were no violations for **Surface Water Treatment Rule**.

There were no violations of the **Lead and Copper Rule**.

There were no violations of the **Ground Water Rule**.

There were no violations of the **Consumer Confidence Rule**. All community water systems complied with the Consumer Confidence Rule and delivered an annual water quality or consumer confidence report by the due dates.

Variances or Exemptions are not allowed on Guam.

Summary. For 2024, the Guam Safe Drinking Water Program identified one (1) Non-Transient Non-Community Water System was issued a violation for Failure to Report Monitoring Event under the RTCR.

1. The Guam Regional Medical City Water System (PWS ID# GU0000019) incurred one (1) violation in 2024. The following violation(s) are:
 - a. Failure to Report Monitoring Event under the RTCR on December 12, 2024. Guam Regional Medical City Water System failed to submit the total coliform sample results for November 2024 by the tenth (10th) of the following month due December 10, 2024.

The Guam Regional Medical City Water System has achieved the Compliance Orders and has returned to compliance effective January 08, 2025.

III. Obtaining a Copy of the 2024 Annual Public Water System Compliance Report

As required by the Safe Drinking Water Act, Guam has made the 2024 Public Water System report available to the public. Interested individuals can obtain a copy of the 2024 Annual Public Water System Compliance Report for Guam by accessing the Guam Environmental Protection Agency website: <https://epa.guam.gov/> or request a copy from the below contacts.

Address of Responsible State Agency:

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