



GUAM ENVIRONMENTAL PROTECTION AGENCY




AHENSIAN PRUTEKSION LINA'LA GUAHAN

P.O. Box 22439 GMF • BARRIGADA, GUAM 96921 • TEL: 475-1658/9 • FAX: 477-9402

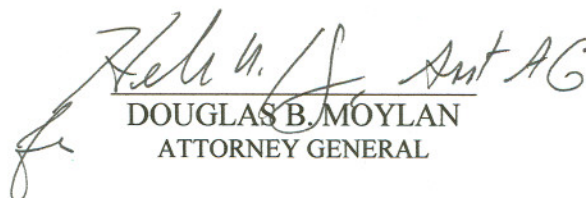
GUAM PRIMARY AND SECONDARY SAFE DRINKING WATER REGULATIONS

ADOPTED: MARCH 27, 1978
AMENDED: FEBRUARY 25, 1983
AMENDED: SEPTEMBER 7, 1989
AMENDED: JANUARY 3, 1991
AMENDED: APRIL 7, 1994
AMENDED: JULY 28, 2005


JOHN M.U. JOCOSON
BOARD CHAIRMAN

ATTESTED:

MARGARET P. AGUILAR
BOARD SECRETARY

APPROVED:


DOUGLAS B. MOYLAN
ATTORNEY GENERAL

DATE 1 Sept 2005

TABLE OF CONTENTS

SECTION		PAGE
6141.1	Authority	1
6141.2	Definitions.....	1
6141.3	Coverage	1
6141.4	Variances and Exemptions	1
6141.5	Siting Requirements and Plan Review	1
6141.6	Effective Dates	3
6141.7 to 6141.10 inclusive	Reserved	3
Subpart 2 - Maximum Contaminant Levels		
6141.11	Maximum Contaminant Levels for Inorganic Chemicals	3
6141.12	Maximum Contaminant Levels for Total Trihalomethanes	3
6141.13	Maximum Contaminant Levels for Turbidity	3
6141.14	Reserved	3
6141.15	Maximum Contaminant Levels for Radium-226, Radium-228 and Gross Alpha Particle Radioactivity in Community Water Systems.....	3
6141.16	Maximum Contaminant Levels for Beta Particle and Photon Radioactivity from man-made Radionuclides in Community Water Systems.....	3
6141.17 to 6141.20 inclusive,	Reserved	3
Subpart 3 - Monitoring and Analytical Requirements		
6141.21	Coliform Sampling	3
6141.22	Turbidity Sampling and Analytical Requirements	4

TABLE OF CONTENTS

SECTION	PAGE
6141.23	Inorganic Chemical Sampling and Analytical Requirements..... 4
6141.24	Organic Chemicals, Sampling and Analytical Requirements 4
6141.25	Analytical Methods for Radioactivity 4
6141.26	Monitoring Frequency for Radioactivity in Community Water Systems ... 4
6141.27	Alternate Analytical Techniques 4
6141.28	Certified Laboratories 5
6141.29	Monitoring of Consecutive Public Water Supply Systems..... 5
6141.30	Total Trihalomethanes Sampling, Analytical and Other Requirements 5
Subpart 4 - Reporting and Record keeping	
6141.31	Reporting Requirements 5
6141.32	Public Notification 5
6141.33	Record Maintenance 5
6141.34	Reserved 5
6141.35	Reporting and Public Notification for Certain Unregulated Contaminants 5
6141.36 to 6141.39 inclusive,	Reserved 5
Subpart 5 - Special Regulations, Including Monitoring Regulations and Prohibition on Lead Use.	
6141.40	Monitoring Requirements for Unregulated Contaminants 6
6141.41	Special Monitoring for Sodium 6

TABLE OF CONTENTS

SECTION	PAGE
6141.42 Special Monitoring for Corrosivity Characteristics	6
6141.43 Prohibition on use of Lead Pipes, Solder, and Flux	6
6141.44 to 6141.49 inclusive, Reserved	6
Subpart 6 - Maximum Contaminant Level Goals and Maximum Residual Disinfectant Level Goals	
6141.50 Maximum Contaminant Level Goals for Organic Contaminants	6
6141.51 Maximum Contaminant Level Goals for Inorganic Contaminants	6
6151.52 Maximum Contaminant Level Goals for Microbiological Contaminants	6
6141.53 Maximum Contaminant Level Goals for Disinfection Byproducts	6
6141.54 Maximum Residual Disinfectant Level Goals for Disinfectants	7
6141.55 Maximum Contaminant Level Goals for Radionuclides	7
6141.56 to 6141.59 inclusive, Reserved	7
Subpart 7 - National Revised Primary Drinking Water Regulations: Maximum Contaminant Levels and Maximum Residual Disinfectant Levels	
6141.60 Effective dates	7
6141.61 Maximum Contaminant Levels for Organic Contaminants	7
6141.62 Maximum Contaminant Levels for Inorganic Contaminants	7
6141.63 Maximum Contaminant Levels (MCLs) for Microbiological Contaminants	7
6141.64 Maximum Contaminant Levels for Disinfection Byproducts	7
6141.65 Maximum Residual Disinfectant Levels	8

TABLE OF CONTENTS

SECTION	PAGE
6141.66 Maximum Contaminant Level for Radionuclides	8
6141.67 to 6141.69 inclusive, Reserved	8
Subpart 8 - Filtration and Disinfection	
6141.70 General Requirements	8
6141.71 Criteria for Avoiding Filtration	8
6141.72 Disinfection	8
6141.73 Filtration	8
6141.74 Analytical and Monitoring Requirements	8
6141.75 Reporting and Record Keeping Requirements	8
6141.76 Recycle Provisions	8
6141.77 to 6141.79 inclusive, Reserved	8
Subpart 9 - Control of Lead and Copper	
6141.80 General Requirements	9
6141.81 Applicability of Corrosion Control Treatment Steps to Small, Medium-size and Large Water Systems	9
6141.82 Description of Corrosion Control Treatment Requirements	9
6141.83 Source Water Treatment Requirements	9
6141.84 Lead Service Line Replacement Requirements	9
6141.85 Public Education and Supplemental Monitoring Requirements	9

TABLE OF CONTENTS

SECTION	PAGE
6141.86	Monitoring Requirements for Lead and Copper in Tap Wat..... 9
6141.87	Monitoring Requirements for Water Quality Parameters 9
6141.88	Monitoring Requirements for Lead and Copper in Source Water 9
6141.89	Analytical Methods 10
6141.90	Reporting Requirements 10
6141.91	Record Keeping Requirements 10
6141.92 to 6141.99 inclusive, Reserved 10
Subpart 10 - Use of Non-Centralized Treatment Devices	
6141.100	Criteria and Procedures for Public Water Systems Using Point-of- Entry Devices 10
6141.101	Use of Bottled Water 10
6141.102 to 6141.109 inclusive, Reserved 10
Subpart 11 - Treatment Techniques	
6141.110	General Requirements 10
6141.111	Treatment Techniques for Acrylamide and Epichlorohydrin..... 10
6141.112 to 6141.129 inclusive, Reserved 10
Subpart 12 - Disinfectant Residuals, Disinfection Byproducts, and Disinfection Byproduct Precursors	
6141.130	General Requirements 11
6141.131	Analytical Requirements 11

TABLE OF CONTENTS

SECTION	PAGE
6141.132 Monitoring Requirements	11
6141.133 Compliance Requirements	11
6141.134 Reporting and Record Keeping Requirements	11
6141.135 Treatment Technique for Control of Disinfection Byproducts (DBP) Precursors	11
6141.136 to 6141.150 inclusive, Reserved	11
Subpart 15 - Consumer Confidence Reports	
6141.151 Purpose and Applicability of this Subpart	11
6141.152 Effective Dates	11
6141.153 Content of the Reports	11
6141.154 Required Additional Health Information	12
6141.155 Report Delivery and Record Keeping	12
6141.156 to 6141.169 inclusive, Reserved	12
Subpart 16 - Enhanced Filtration and Disinfection-Systems Serving 10,000 or More People	
6141.170 General Requirements	12
6141.171 Criteria for Avoiding Filtration	12
6141.172 Disinfection Profiling and Benchmarking	12
6141.173 Filtration	12
6141.174 Filtration Sampling Requirements	12

TABLE OF CONTENTS

SECTION	PAGE
6141.175 Reporting and Record Keeping Requirements	12
6141.176 to 6141.200 inclusive, Reserved	13
Subpart 17 - Public Notification of Drinking Water Violations	
6141.201 General Public Notification Requirements	13
6141.202 Tier 1 Public Notice - Form, Manner, and Frequency of Notice	13
6141.203 Tier 2 Public Notice - Form, Manner, and Frequency of Notice	13
6141.204 Tier 3 Public Notice - Form, Manner, and Frequency of Notice	13
6141.205 Content of the Public Notice	13
6141.206 Notice to New Billing Units or New Customers	13
6141.207 Special Notice of the Availability of Unregulated Contaminant Monitoring Results	14
6141.208 Special Notice for Exceedance of the SMCL for Fluoride	14
6141.209 Special Notice for Nitrate Exceedances Above MCL by Non-community Water System (NCWS), Where Granted Permission by the Primacy Agency.	14
6141.210 Notice by Primacy Agency on Behalf of the Public Water System.....	14
Subpart 18 - 19 (Reserved)	14
Subpart 20 - Enhanced Filtration and Disinfection - System Serving Fewer than 10,000 People	
6141.500 General Requirements	14

TABLE OF CONTENTS

SECTION	PAGE
6141.501	Who is subject to the requirements of subpart 20? 14
6141.502	When must my system comply with these requirements? 14
6141.503	What does subpart 20 require? 14
FINISHED WATER RESERVOIRS	
6141.510	Is my system subject to the new finished water reservoir requirements?..... 15
6141.511	What is required of new finished water reservoir? 15
ADDITIONAL WATERSHED CONTROL REQUIREMENTS FOR UNFILTERED SYSTEMS	
6141.520	Is my system subject to the updated watershed control requirements? 15
6141.521	What updated watershed control requirements must my unfiltered system implement to continue to avoid filtration? 15
6141.522	How does the State determine whether my system's watershed control requirements are adequate? 15
DISINFECTION PROFILE	
6141.530	What is a disinfection profile and who must develop one? 15
6141.531	What criteria must a State use to determine that a profile is unnecessary?... 15
6141.532	How does my system develop a disinfection profile and when must it begin?..... 15
6141.533	What data must my system collect to calculate a disinfection profile? 16
6141.534	How does my system use this data to calculate an inactivation ratio? 16
6141.535	What if my system uses chloramines, ozone or chlorine dioxide for

TABLE OF CONTENTS

SECTION	PAGE
primary disinfection?	16
6141.536 My system has developed an inactivation ratio; what must we do now?	16
DISINFECTION BENCHMARK	
6141.540 Who has to develop disinfection benchmark?	16
6141.541 What are significant changes to disinfection practice?	16
6141.542 What must my system do if w are considering a significant change to disinfection practices?	16
6141.543 How is the disinfection benchmark calculated?	16
6141.544 What if my system uses chloramines, ozone, or chlorine dioxide for primary disinfection?	16
COMBINED FILTER EFFLUENT REQUIREMENTS	
6141.550 Is my system required to meet subpart 20 combined filter effluent turbidity limits?	17
6141.551 What strengthened combined filter effluent turbidity limits must my system meet?	17
6141.552 My system consists of “alternative filtration” and is required to conduct a demonstration-what is required of my system and how does the State establish my turbidity limits?	17
6141.553 My system practices lime softening-is there any special provision regarding my combined filter effluent?	17
INDIVIDUAL FILTER TURBIDITY REQUIREMENTS	

TABLE OF CONTENTS

SECTION		PAGE
6141.560	Is my system subject to individual filter turbidity requirement?.....	17
6141.561	What happens if my system’s turbidity monitoring equipment fails?	17
6141.562	My system only has two or fewer filters-is there any special provision regarding individual filter turbidity monitoring?	17
6141.563	What follow-up action is my system required to take based on continuous turbidity monitoring?	17
6141.564	My system practices lime softening-is there any special provisions regarding my individual filter turbidity?	18
REPORTING AND RECORDKEEPING		
6141.570	What does Subpart 20 require that my system report to the State?.....	18
6141.571	What records does subpart 20 require my system to keep?	18
PART 6143 - GUAM SECONDARY DRINKING WATER REGULATIONS		
6143.1	Purpose	18
6143.2	Definitions	18
6143.3	Secondary Maximum Contaminant Levels	18
6143.4	Monitoring	18

**22 GAC - GUAM EPA
DIVISION II - WATER CONTROL**

DRINKING WATER CHAPTER 6

PART 6141 - GUAM PRIMARY DRINKING WATER REGULATIONS

Subpart 1 - General

§ 6141.1 Authority.

Guam Safe Drinking Water Act, Title 10 Guam Code Annotated, Chapter 53, Section 53104 authorizes the Guam Environmental Protection Agency to prescribe rules and regulations as may be necessary to implement the Safe Drinking Water Act.

§ 6141.2 Definitions.

Except as provided below, the provisions of 40 Code of Federal Regulations §141.2 as revised and codified as of July 1, 2003 are hereby adopted by reference. The words and terms defined in the Guam Safe Drinking Water Act, Title 10 Guam Code Annotated, Chapter 53, Section 53103, have the meanings ascribed to them therein.

§ 6141.3 Coverage.

These regulations shall apply to each public water system, unless the public water system meets all of the following conditions:

- (a) Consists only of distribution and storage facilities (and does not have any collection and treatment facilities);
- (b) Obtains all of its water from, but is not owned by, a public water system to which such regulations apply
- (c) Does not sell water to any person; and
- (d) Is not a carrier which conveys passengers in interstate commerce.

§ 6141.4 Variances and Exemptions.

Variances and exceptions, if any, shall be available as provided by the more stringent requirements of Guam law 10 Guam Code Annotated, Chapter 53, as amended, or 40 CFR § 141.4.

§ 6141.5 Siting Requirements and Plan Review.

- (a) Before any person may enter into a financial commitment for or initiate construction of a new public water supply system, or increase the capacity of an existing public water system, they shall notify the Guam EPA Administrator and, to the extent practicable, avoid locating part or all of the new or expanded facility at a site which:
 - (1) Is subject to a significant risk from earthquakes, floods, fires or other disasters which could cause a breakdown of the public water system or a portion thereof; or
 - (2) Except for intake structures, is within the flood-plain of a 100-year flood or is

- lower than any recorded high tide where appropriate records exist.
- (b) No new public water supply system or substantial alterations to an existing public water supply system may be constructed or operated without approval issued by the Guam EPA Administrator.
 - (1) The Guam EPA Administrator shall require any or all of the following prior to giving approval to proceed with construction: Drawings indicating extent and location of the project; complete engineering plans and specifications of the new or altered system including system design capacity, schedule of materials and equipment to be installed, information on the quality of the raw water sources and proposed treatment, if any, and information demonstrating that the system will be adequately operated and maintained. Two complete sets of engineering drawings and specifications shall be submitted to the Guam EPA Administrator at approximately the 30 percent, 60 percent, and 90 percent completion stages of design for approval prior to any notice to proceed to the next design stage, and at the 100 percent completion stage of design prior to commencement of construction.
 - (2) No modifications to the final plans and specifications shall be made unless two sets of drawings and specifications indicating the modifications are submitted to the Guam EPA Administrator for approval. Such submittal must be timely enough to permit full review and analysis with a minimum lead-time of two weeks. Approval shall be by stamp signed by the Guam EPA Administrator upon the design drawings.
 - (c) The Guam EPA Administrator or the authorized representative may inspect any new or altered public water system during construction and prior to such water system being placed into operation to verify that construction conforms with the approved plans and specifications. The owner of the water system shall make arrangements as required by the Guam EPA Administrator to inspect the system and shall notify the Guam EPA Administrator prior to placing the system into operation. No new or altered water system may be put into operation without a signed approval from the Guam EPA Administrator. As-built plans shall be submitted to the Guam EPA Administrator within sixty days after project approval.
 - (d) The Guam EPA Administrator shall not approve:
 - (1) Plans for any new public water system or substantial alteration to an existing public water system until Guam EPA determines that the system, including any proposed treatment facility, has been designed to assure that the system will be capable of complying with these regulations.
 - (2) New or substantially altered water systems which do not conform with approved plans and specifications required in paragraph (b).
 - (e) The Guam EPA Administrator may require payment of compensation for such plan.

§ 6141.6 Effective Dates.

The provisions of 40 Code of Federal Regulations §141.6 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.7 to § 6141.10 inclusive, Reserved.

Subpart 2 - Maximum Contaminant Levels

§ 6141.11 Maximum Contaminant Levels for Inorganic Chemicals.

The provisions of 40 Code of Federal Regulations §141.11 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.12 Maximum Contaminant Levels for Total Trihalomethanes.

The provisions of 40 Code of Federal Regulations §141.12 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.13 Maximum Contaminant Levels for Turbidity.

The provisions of 40 Code of Federal Regulations §141.13, as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.14 Reserved.

§ 6141.15 Maximum Contaminant Levels for Radium-226, Radium-228, and Gross Alpha Particle Radioactivity in Community Water Systems.

The provisions of 40 Code of Federal Regulations §141.15 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.16 Maximum Contaminant Levels for Beta Particle and Photon Radioactivity from Man-made Radionuclides in Community Water Systems.

The provisions of 40 Code of Federal Regulations § 141.16 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.17 to § 6141.20 inclusive, Reserved.

Subpart 3 - Monitoring and Analytical Requirements

§ 6141.21 Coliform Sampling.

The provisions of 40 Code of Federal Regulations §141.21 as revised and codified as of July 1, 2003 are hereby adopted by reference. In addition, the following requirements must be followed:

- (a) *Routine Monitoring.* With the exception of special purpose samples taken to determine whether disinfection practices are sufficient following pipe placement, replacement or

repair, all other samples collected by the public water system or Guam EPA or required by Guam EPA to be collected by the public water system, for any other reasons (e.g., customer complaint, post-emergency, water rationing), shall be considered as part of the routine monitoring. Any such sample will not replace any of the required routine monitoring under the approved sample siting plan and will be included to determine compliance with the maximum contaminant level for total coliforms under §6141.63.

- (b) *Repeat Monitoring.* When a system collects a repeat sample, the repeat sample must be taken prior to altering the water quality (e.g., prior to increasing the dosage of chlorine or flushing the line) that existed at the time of the initial sample. Failure to comply with this requirement, or failure to collect repeat samples, will result in the repeat samples defaulting to a positive reading for total-coliforms. When circumstances indicate that a positive coliform reading is likely (i.e. line break, low chlorine residual) the public water system has the option, when collecting a routine samples, to collect repeat samples at the same time in order to allow for altering the water quality immediately after collecting the repeat samples.

§ 6141.22 Turbidity Sampling and Analytical Requirements.

The provisions of 40 Code of Federal Regulations §141.22 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.23 Inorganic Chemical Sampling and Analytical Requirements.

The provisions of 40 Code of Federal Regulations §141.23 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.24 Organic Chemicals, Sampling and Analytical Requirements.

The provisions of 40 Code of Federal Regulations §141.24 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.25 Analytical Methods for Radioactivity.

The provisions of 40 Code of Federal Regulations §141.25 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.26 Monitoring Frequency for Radioactivity in Community Water Systems.

The provisions of 40 Code of Federal Regulations §141.26 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.27 Alternate Analytical Techniques.

The provisions of 40 Code of Federal Regulations §141.27 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.28 Certified Laboratories.

The provisions of 40 Code of Federal Regulations §141.28 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.29 Monitoring of Consecutive Public Water Systems.

The provisions of 40 Code of Federal Regulations §141.29 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.30 Total Trihalomethanes Sampling, Analytical and Other Requirements.

The provisions of 40 Code of Federal Regulations §141.30 as revised and codified as of July 1, 2003 are hereby adopted by reference.

Subpart 4 - Reporting and Recordkeeping

§ 6141.31 Reporting Requirements.

Except as expanded below, the provisions of 40 Code of Federal Regulations §141.31 as revised and codified as of July 1, 2003 are hereby adopted by reference. The supplier of water shall report to Guam EPA any total coliform positive results within twenty-four (24) hours of being informed of the results.

§ 6141.32 Public Notification.

Refer to Title 22 Guam Code Annotated, Part 6141, Subpart 17 (§6141.201 - §6141.210) for public notification requirements.

§ 6141.33 Record Maintenance.

The provisions of 40 Code of Federal Regulations §141.33 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.34 Reserved.

§ 6141.35 Reporting and Public Notification for Certain Unregulated Contaminants.

Public water systems must comply with provisions of 40 Code of Federal Regulations §141.35. However, Guam EPA is not adopting 40 Code of Federal Regulations §141.35 by reference because the Federal EPA enforces this regulation, in coordination with Guam EPA.

§ 6141.36 to § 6141.39 inclusive, Reserved.

Subpart 5 - Special Regulations, Including Monitoring Regulations and Prohibition on Lead Use

§ 6141.40 Monitoring Requirements for Unregulated Contaminants.

Public water systems must comply with provisions of 40 Code of Federal Regulations §141.40. However, Guam EPA is not adopting 40 Code of Federal Regulations §141.40 by reference because the Federal EPA enforces this regulation, in coordination with July 1, 2003 are hereby adopted by reference.

§ 6141.41 Special Monitoring for Sodium.

The provisions of 40 Code of Federal Regulations §141.41 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.42 Special Monitoring for Corrosivity Characteristics.

The provisions of 40 Code of Federal Regulations §141.42 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.43 Prohibition on Use of Lead Pipes, Solder, and Flux.

The provisions of 40 Code of Federal Regulations §141.43 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.44 to § 6141.49 inclusive, Reserved.

Subpart 6 - Maximum Contaminant Level Goals and Maximum Residual Disinfectant Level Goals

§ 6141.50 Maximum Contaminant Level Goals for Organic Contaminants.

The provisions of 40 Code of Federal Regulations §141.50 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.51 Maximum Contaminant Level Goals for Inorganic Contaminants.

The provisions of 40 Code of Federal Regulations §141.51 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.52 Maximum Contaminant Level Goals for Microbiological Contaminants.

The provisions of 40 Code of Federal Regulations §141.52 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.53 Maximum Contaminant Level Goals for Disinfection Byproducts.

The provisions of 40 Code of Federal Regulations §141.53 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.54 Maximum Residual Disinfectant Level Goals for Disinfectants.

The provisions of 40 Code of Federal Regulations §141.54 as revised and codified as of July 1,

2003 are hereby adopted by reference.

§ 6141.55 Maximum Contaminant Level Goals for Radionuclides.

The provisions of 40 Code of Federal Regulations §141.55 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.56 to § 6141.59 inclusive, Reserved.

Subpart 7 - National Revised Primary Drinking Water Regulations: Maximum Contaminant Levels and Maximum Residual Disinfectant Levels.

§ 6141.60 Effective Dates

The provisions of 40 Code of Federal Regulations §141.60 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.61 Maximum Contaminant Levels for Organic Contaminants.

The provisions of 40 Code of Federal Regulations §141.61 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.62 Maximum Contaminant Levels for Inorganic Contaminants.

The provisions of 40 Code of Federal Regulations §141.62 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.63 Maximum Contaminant Levels (MCLs) for Microbiological Contaminants.

Except as modified below, the provisions of 40 Code of Federal Regulations §141.63 as revised and codified as of July 1, 2003 are hereby adopted by reference. Any fecal coliform-positive repeat sample following a total positive routine sample, or *E. coli*-positive repeat sample, or any fecal coliform-positive or *E. Coli*-positive routine sample, or any total coliform-positive repeat sample following a fecal coliform-positive or *E. coli*-positive routine sample, constitutes a violation of the MCL for total coliforms. For purposes of the public notification requirements in Part 6141, Subpart 17 (§6141.201-§6141.210), this is a violation that may pose an acute risk to health.

§ 6141.64 Maximum Contaminant Levels for Disinfection Byproducts.

The provisions of 40 Code of Federal Regulations §141.64 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.65 Maximum Residual Disinfectant Levels.

The provisions of 40 Code of Federal Regulations §141.65 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.66 Maximum Contaminant Levels for Radionuclides.

The provisions of 40 Code of Federal Regulations §141.66 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.67 to § 6141.69 inclusive, Reserved.

Subpart 8 - Filtration and Disinfection.

§ 6141.70 General Requirements.

The provisions of 40 Code of Federal Regulations §141.70 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.71 Criteria for Avoiding Filtration.

The provisions of 40 Code of Federal Regulations §141.71 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.72 Disinfection.

The provisions of 40 Code of Federal Regulations §141.72 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.73 Filtration.

The provisions of 40 Code of Federal Regulations §141.73 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.74 Analytical and Monitoring Requirements.

The provisions of 40 Code of Federal Regulations §141.74 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.75 Reporting and Record Keeping Requirements.

The provisions of 40 Code of Federal Regulations §141.75 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.76 Recycle Provisions.

The provisions of 40 Code of Federal Regulations §141.76 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.77 to § 6141.79 inclusive, Reserved.

Subpart 9 - Control of Lead and Copper

§ 6141.80 General Requirements.

The provisions of 40 Code of Federal Regulations §141.80 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.81 Applicability of Corrosion Control Treatment Steps to Small, Medium-size and Large Water Systems.

The provisions of 40 Code of Federal Regulations §141.81 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.82 Description of Corrosion Control Treatment Requirements.

The provisions of 40 Code of Federal Regulations §141.82 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.83 Source Water Treatment Requirements.

The provisions of 40 Code of Federal Regulations §141.83 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§6141.84 Lead Service Line Replacement Requirements.

The provisions of 40 Code of Federal Regulations §141.84 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.85 Public Education and Supplemental Monitoring Requirements.

The provisions of 40 Code of Federal Regulations §141.85 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.86 Monitoring Requirements for Lead and Copper in Tap Water.

The provisions of 40 Code of Federal Regulations §141.86 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.87 Monitoring Requirements for Water Quality Parameters.

The provisions of 40 Code of Federal Regulations §141.87 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.88 Monitoring Requirements for Lead and Copper in Source Water.

The provisions of 40 Code of Federal Regulations §141.88 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.89 Analytical Methods.

The provisions of 40 Code of Federal Regulations §141.89 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6141.90 Reporting Requirements.

The provisions of 40 Code of Federal Regulations §141.90 as revised and codified as of July 1,

2003, are hereby adopted by reference.

§ 6141.91 Record Keeping Requirements.

The provisions of 40 Code of Federal Regulations §141.91 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.92 to §6141.99 inclusive, Reserved.

Subpart 10 - Use of Non-Centralized Treatment Devices

§ 6141.100 Criteria and Procedures for Public Water Systems Using Point-of-Entry Devices.

The provisions of 40 Code of Federal Regulations §141.100 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.101 Use of Bottled Water.

The provisions of 40 Code of Federal Regulations §141.101 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.102 to §6141.109 inclusive, Reserved.

Subpart 11 - Treatment Techniques

§ 6141.110 General Requirements.

The provisions of 40 Code of Federal Regulations §141.110 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§6141.111 Treatment Techniques for Acrylamide and Epichlorohydrin.

The provisions of 40 Code of Federal Regulations §141.111 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.112 to § 6141.129 inclusive, Reserved.

Subpart 12 - Disinfectant Residuals, Disinfection Byproducts, and Disinfection Byproduct Precursors

§ 6141.130 General Requirements.

The provisions of 40 Code of Federal Regulations §141.130 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.131 Analytical Requirements.

The provisions of 40 Code of Federal Regulations §141.131 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.132 Monitoring Requirements.

The provisions of 40 Code of Federal Regulations §141.132 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.133 Compliance Requirements.

The provisions of 40 Code of Federal Regulations §141.133 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.134 Reporting and Record Keeping Requirements.

The provisions of 40 Code of Federal Regulations §141.134 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.135 Treatment Technique for Control of Disinfection Byproduct (DBP) Precursors.

The provisions of 40 Code of Federal Regulations §141.135 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.136 to § 6141.150 inclusive, Reserved.

Subpart 15 - Consumer Confidence Reports

§ 6141.151 Purpose and Applicability of this Subpart.

The provisions of 40 Code of Federal Regulations §141.151 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.152 Effective Dates.

The provisions of 40 Code of Federal Regulations §141.152 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.153 Content of the Reports.

Except as provided below, the provisions of 40 Code of Federal Regulations §141.153 as revised and codified as of July 1, 2003 are hereby adopted by reference. No public water system in Guam is required to comply with the “Information Collection Requirements for Public Water Systems” rule, codified at 40 Code of Federal Regulations §141.140 through §141.144 (July 1, 2000 version). Therefore, the cross-references to 40 Code of Federal Regulations §141.142 and §141.143 contained in 40 Code of Federal Regulations §141.153 do not apply to public water systems in Guam.

§ 6141.154 Required Additional Health Information.

The provisions of 40 Code of Federal Regulations §141.154 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.155 Report Delivery and Record Keeping.

The provisions of 40 Code of Federal Regulations §141.155 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.156 to § 6141.169 inclusive, Reserved.

Subpart 16 - Enhanced Filtration and Disinfection-Systems Serving 10,000 or More People

§ 6141.170 General Requirements.

The provisions of 40 Code of Federal Regulations §141.170 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.171 Criteria for Avoiding Filtration.

The provisions of 40 Code of Federal Regulations §141.171 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.172 Disinfection Profiling and Benchmarking.

The provisions of 40 Code of Federal Regulations §141.172 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.173 Filtration.

The provisions of 40 Code of Federal Regulations §141.173 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.174 Filtration Sampling Requirements.

The provisions of 40 Code of Federal Regulations §141.174 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.175 Reporting and Record Keeping Requirements.

The provisions of 40 Code of Federal Regulations §141.175 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.176 to § 6141.200 inclusive, Reserved

Subpart 17 - Public Notification of Drinking Water Violations

§ 6141.201 General Public Notification Requirements.

The provisions of 40 Code of Federal Regulations §141.201 as revised and codified as of July 1, 2003, are hereby adopted by reference. In addition, PWSs must submit a draft of the public

notification and/or press release to Guam EPA for concurrence, as soon as practicable, prior to release to the appropriate media or delivery to the public. PWSs must still comply with the required time lines for release or delivery of public notification.

§ 6141.202 Tier 1 Public Notice - Form, Manner, and Frequency of Notice.

Except as provided below, the provisions of 40 Code of Federal Regulations §141.202 as revised and codified as of July 1, 2003, are hereby adopted by reference. In order to reach all persons served and unless directed otherwise by Guam EPA in writing, water systems are to use, at a minimum, in order of the following priority, one or more of the following forms of delivery:

- (1) Another delivery method approved in writing by Guam EPA;
- (2) Publication of the notice in a local newspaper of general distribution;
- (3) Appropriate broadcast media (such as radio and television);
- (4) Hand delivery of the notice to persons served by the water system; or
- (5) Posting of the notice in conspicuous locations throughout the area served by the water system.

§ 6141.203 Tier 2 Public Notice - Form, Manner, and Frequency of Notice.

The provisions of 40 Code of Federal Regulations §141.203 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.204 Tier 3 Public Notice - Form, Manner, and Frequency of Notice.

The provisions of 40 Code of Federal Regulations §141.204 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.205 Content of the Public Notice.

The provisions of 40 Code of Federal Regulations §141.205 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.206 Notice to New Billing Units or New Customers.

The provisions of 40 Code of Federal Regulations §141.206 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.207 Special Notice of the Availability of Unregulated Contaminant Monitoring Results.

The provisions of 40 Code of Federal Regulations §141.207 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.208 Special Notice for Exceedance of the SMCL for Fluoride.

The provisions of 40 Code of Federal Regulations §141.208 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.209 Special Notice for Nitrate Exceedances Above MCL by Non-community Water Systems (NCWS), Where Granted Permission by the Primacy Agency.

The provisions of 40 Code of Federal Regulations §141.209 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.210 Notice by Primacy Agency on Behalf of the Public Water System.

The provisions of 40 Code of Federal Regulations §141.210 as revised and codified as of July 1, 2003, are hereby adopted by reference.

Subpart 18 - 19 (Reserved)

Subpart 20 - Enhanced Filtration and Disinfection - Systems Serving Fewer than 10,000 People

GENERAL REQUIREMENTS

§ 6141.500 General requirements

The provisions of 40 Code of Federal Regulations §141.500 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.501 Who is subject to the requirements of subpart 20?

The provisions of 40 Code of Federal Regulations §141.501 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.502 When must my system comply with these requirements?

The provisions of 40 Code of Federal Regulations §141.502 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.503 What does subpart 20 require?

The provisions of 40 Code of Federal Regulations §141.503 as revised and codified as of July 1, 2003, are hereby adopted by reference.

FINISHED WATER RESERVOIRS

§ 6141.510 Is my system subject to the new finished water reservoir requirements?

The provisions of 40 Code of Federal Regulations §141.510 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.511 What is required of new finished water reservoir?

The provisions of 40 Code of Federal Regulations §141.511 as revised and codified as of July 1, 2003, are hereby adopted by reference.

ADDITIONAL WATERSHED CONTROL REQUIREMENTS FOR UNFILTERED SYSTEMS

§ 6141.520 Is my system subject to the updated watershed control requirements?

The provisions of 40 Code of Federal Regulations §141.520 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.521 What updated watershed control requirements must my unfiltered system implement to continue to avoid filtration?

The provisions of 40 Code of Federal Regulations §141.521 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.522 How does the State determine whether my system's watershed control requirements are adequate?

The provisions of 40 Code of Federal Regulations §141.522 as revised and codified as of July 1, 2003, are hereby adopted by reference.

DISINFECTION PROFILE

§ 6141.530 What is a disinfection profile and who must develop one?

The provisions of 40 Code of Federal Regulations §141.530 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.531 What criteria must a State use to determine that a profile is unnecessary?

The provisions of 40 Code of Federal Regulations §141.531 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.532 How does my system develop a disinfection profile and when must it begin?

The provisions of 40 Code of Federal Regulations §141.532 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.533 What data must my system collect to calculate a disinfection profile?

The provisions of 40 Code of Federal Regulations §141.533 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.534 How does my system use this data to calculate an inactivation ratio?

The provisions of 40 Code of Federal Regulations §141.534 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.535 What if my system uses chloramines, ozone, or chlorine dioxide for primary disinfection?

The provisions of 40 Code of Federal Regulations §141.535 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.536 My system has developed an inactivation ratio; what must we do now?

The provisions of 40 Code of Federal Regulations §141.536 as revised and codified as of July 1, 2003, are hereby adopted by reference.

DISINFECTION BENCHMARK

§ 6141.540 Who has to develop disinfection benchmark.

The provisions of 40 Code of Federal Regulations §141.540 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.541 What are significant changes to disinfection practice?

The provisions of 40 Code of Federal Regulations §141.541 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.542 What must my system do if we are considering a significant change to disinfection practices?

The provisions of 40 Code of Federal Regulations §141.542 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.543 How is the disinfection benchmark calculated?

The provisions of 40 Code of Federal Regulations §141.543 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.544 What if my system uses chloramines, ozone, or chlorine dioxide for primary disinfection?

The provisions of 40 Code of Federal Regulations §141.544 as revised and codified as of July 1, 2003, are hereby adopted by reference.

COMBINED FILTER EFFLUENT REQUIREMENTS

§ 6141.550 Is my system required to meet subpart 20 combined filter effluent turbidity limits?

The provisions of 40 Code of Federal Regulations §141.550 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§6141.551 What strengthened combined filter effluent turbidity limits must my system meet?

The provisions of 40 Code of Federal Regulations §141.551 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.552 My system consists of “alternative filtration” and is required to conduct a demonstration-what is required of my system and how does the State establish my turbidity limits?

The provisions of 40 Code of Federal Regulations §141.552 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.553 My system practices lime softening-is there any special provision regarding my combined filter effluent?

The provisions of 40 Code of Federal Regulations §141.553 as revised and codified as of July 1, 2003, are hereby adopted by reference.

INDIVIDUAL FILTER TURBIDITY REQUIREMENTS

§ 6141.560 Is my system subject to individual filter turbidity requirement?

The provisions of 40 Code of Federal Regulations §141.560 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.561 What happens if my system’s turbidity monitoring equipment fails?

The provisions of 40 Code of Federal Regulations §141.561 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.562 My system only has two or fewer filters-is there any special provision regarding individual filter turbidity monitoring?

The provisions of 40 Code of Federal Regulations §141.562 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.563 What follow-up action is my system required to take based on continuous turbidity monitoring?

The provisions of 40 Code of Federal Regulations §141.563 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.564 My system practices lime softening-is there any special provisions regarding my individual filter turbidity monitoring?

The provisions of 40 Code of Federal Regulations §141.564 as revised and codified as of July 1, 2003, are hereby adopted by reference.

REPORTING AND RECORDKEEPING

§ 6141.570 What does Subpart 20 require that my system report to the State?

The provisions of 40 Code of Federal Regulations §141.570 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6141.571 What records does subpart 20 require my system to keep?

The provisions of 40 Code of Federal Regulations §141.571 as revised and codified as of July 1, 2003, are hereby adopted by reference.

PART 6143 - GUAM SECONDARY DRINKING WATER REGULATIONS

§ 6143.1 Purpose.

The provisions of 40 Code of Federal Regulations §143.1 as revised and codified as of July 1, 2003 are hereby adopted by reference.

§ 6143.2 Definitions.

The provisions of 40 Code of Federal Regulations §143.2 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6143.3 Secondary Maximum Contaminant Levels.

The provisions of 40 Code of Federal Regulations §143.3 as revised and codified as of July 1, 2003, are hereby adopted by reference.

§ 6143.4 Monitoring.

- (a) The parameters in these regulations shall be monitored at intervals no less frequent than the monitoring performed for inorganic chemical contaminants listed in the National Interim Primary Drinking Water Regulations as applicable to community water systems. More frequent monitoring may be appropriate for specific parameters such as pH, color, odor or others under certain circumstances as directed by Guam EPA.
- (b) Measurement of pH, copper and fluoride to determine compliance under §6143.3 may be conducted with one of the methods in 40 Code of Federal Regulations §141.23(k)(1). Analyses of aluminum, chloride, foaming agents, iron, manganese, odor, silver, sulfate, total dissolved solids (TDS) and zinc to determine compliance under §6143.3 may be conducted with the methods in the following table. Criteria for analyzing aluminum, copper, iron, manganese, silver and zinc samples with digestion or directly without digestion, and other analytical test procedures are contained in Technical Notes on Drinking Water Methods, EPA-600/R-94-173, October 1994, which is available at NTIS PB95-104766.

Contaminant	EPA	ASTM³	SM⁴ 18th and 19th ed	SM⁴ 20th ed.	Other
1. Aluminum	200.7 ² 200.8 ² 200.9 ² 300.0 ¹		3120 B 3113 B 3111 D	3120 B	
2. Chloride	300.0 ¹	D4327-97 D512-89B	4110 B 4500-Cl ⁻ D 4500-Cl ⁻ B	4110 B 4500-Cl ⁻ D 4500-Cl ⁻ B	

Contaminant	EPA	ASTM ³	SM ⁴ 18 th and 19 th ed	SM ⁴ 20 th ed.	Other
3. Color			2120 B	2120 B	
4. Foaming Agents			5540 C	5540 C	
5. Iron	200.7 ² 200.9 ²		3120 B 3111 B 3113 B		
6. Manganese	200.7 ² 200.8 ² 200.9 ²		3120 B 3111 B 3113 B	3120 B	
7. Odor			2150 B	2150 B	
8. Silver	200.7 ² 200.8 ² 200.9 ²		3120 B 3111 B 3113 B	3120 B	I-3720-85 ⁵
9. Sulfate	300.0 ¹ 375.2 ¹	D4327-97 D516-90	4110 B 4500-SO ₄ ²⁻ 4500-SO ₄ ²⁻ C, D 4500-SO ₄ ²⁻ E	4110 B 4500-SO ₄ ²⁻ 4500-SO ₄ ²⁻ C, D 4500-SO ₄ ²⁻ E	
10. Total Dissolved Solid			2540 C	2540 C	
11. Zinc	200.7 ² 200.8 ²		3120 B 3111 B	3120 B	

The procedure shall be done in accordance with the documents listed below. The incorporation by reference of the following documents was approved by the Director of the Federal Register in accordance with 5 U.S.C 552(a) and 1 Code of Federal Regulations part 51. Copies of the documents may be obtained from the sources listed below. Information regarding obtaining these documents can be obtained from the Safe Drinking Water Hotline at 800-426-4791. Documents may be inspected at EPA's Drinking Water Docket, EPA West, 1301 Constitution Avenue, NW, Room B135, Washington DC (Telephone: 202-566-2426); or at the Office of Federal Register, 800 North Capitol Street, NW Suite 700, Washington, DC 20408.

¹"Methods for the Determination of Inorganic Substances in Environmental Samples", EPA-600/R-93-100, August 1993. Available at NTIS, PB94-121811.

²"Methods for the Determination of Metals in Environmental Samples--Supplement I", EPA/600/R-94-111, May 1994. Available at NTIS, PB95-125472.

³"Annual Book of ASTM Standards, 1994, 1996, or 1999, Vols. 11.01 and 11.02, ASTM International; any year containing the cited version of the method may be used. Copies may be obtained from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

⁴Standard Methods for the Examination of Water and Wastewater, 18th edition (1992), 19th edition (1995), or 20th edition (1998), American Public Health Association, 1015 Fifteenth Street, NW, Washington, DC 20005. The cited methods published in any of these three editions may be used., except that the versions of 3111 B, 3111 D, and 3113 B in the 20th editions may be used.

⁵"Method I-3720-85, *Techniques of Water Resources Investigation* of the U.S. Geological Survey, Book 5, Chapter A-1, 3rd ed., 1989; Available from Information Services, U.S. Geological Survey, Federal Center, Box 25286, Denver, CO 80225-0425.

