

WYOMING ANNUAL COMPLIANCE REPORT CALENDAR YEAR 2017

I. Introduction

Section 1414(c)(3)(A)(1) of the amended Safe Drinking Water Act (SDWA) requires the U.S. Environmental Protection Agency (EPA) to prepare and make available to the public an annual report on violations of the National Primary Drinking Water Regulations by public water systems (PWSs) in the State of Wyoming each year. This report includes violations pertaining to: 1) maximum contaminant levels, 2) maximum residual disinfectant levels, 3) treatment requirements, 4) monitoring and reporting requirements determined to be significant by the Administrator, 5) variances and exemption violations, 6) record keeping violations, 7) significant public notification requirement violations, and 8) Consumer Confidence Report requirements.

EPA Region 8 has primary enforcement authority in the State of Wyoming and thus prepared this annual compliance report. This report is intended to summarize and identify PWSs in the State of Wyoming that have been identified as having violations in categories 1- 5 and 8 above during the calendar year 2017. The source of the information contained in this report is EPA's SDWIS Fed Reporting Services that is accessed through the Central Data Exchange (CDS).

II. The Drinking Water Program: An Overview

The 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 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 regulations, EPA establishes treatment techniques (TT) in lieu of an MCL to control unacceptable levels of contaminants in water. For example, treatment techniques have been established for viruses, some bacteria, and turbidity. The Agency also regulates how often public water systems monitor their water for contaminants and report the monitoring results to the states or EPA. Generally, the larger the population served by the water system, the more frequent the monitoring and reporting (M/R) 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 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. Of the 56 states and territories, all but

Wyoming and the District of Columbia have primacy. The EPA Regional Offices administer the PWSS Programs within these two jurisdictions.

III. Public Water System

A Public Water System (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 (such as towns), non-transient noncommunity (such as schools or factories on independent water sources), or transient noncommunity systems (such as rest stops or parks). For this report, the use of the acronym “PWS” means systems of all types unless specified in greater detail.

IV. Variances and Exemptions

During calendar year 2017, EPA Region 8 did not allow variances or exemptions for Wyoming public water systems.

V. Monitoring

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCL. If a PWS fails to have its water tested as required or fails to report test results correctly to the primacy agency, a monitoring violation occurs. For this report, significant monitoring violations are generally defined as any significant monitoring violation that occurred during the calendar year of the report. A significant monitoring violation, with rare exception, occurs when no samples were taken or no results were reported during a compliance period.

VI. Consumer Notification

Every Community Water System is required to deliver to its customers an annual Consumer Confidence 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. For this report, a significant consumer notification violation occurred if a community water system completely failed to provide its customers the required annual report.

VII. Obtaining a Copy of the 2017 Public Water Systems Report

As required by the Safe Drinking Water Act, EPA Region 8 has made the 2017 Public Water Systems Report available to the public for the State of Wyoming. Interested individuals can obtain a copy by accessing:

Website: <https://www.epa.gov/region8-waterops> Telephone: 303-312-6312 or 800-227-8917 E-Mail: r8eisc@epa.gov

VIII. Violations Table

Violation Category	Rule Group	Rule Name	# of Violations	# of Resolved Violations	# of PWS in Violations
MCL Violation	Chemicals	Nitrates	2	0	2
MCL Violation	Chemicals	Radionuclides	9	0	4
Treatment Technique Violation	Chemicals	Lead and Copper Rule	1	0	1
Monitoring and Reporting	Chemicals	Lead and Copper Rule	33	15	24
Monitoring and Reporting	Chemicals	Nitrates	62	0	55
Monitoring and Reporting	Chemicals	Radionuclides	25	5	5
Monitoring and Reporting	Chemicals	Synthetic Organic Chemicals	113	1	2
Monitoring and Reporting	Chemicals	Inorganic Chemicals	16		4
Monitoring and Reporting	Chemicals	Volatile Organic Chemicals	152		9
Monitoring and Reporting	Chemicals	Arsenic	2		2
MCL Violation	Disinfectants and Disinfection Byproducts Rule	Stage 2 Disinfectants and Disinfection Byproducts Rule	12	1	4
Monitoring and Reporting	Disinfectants and Disinfection Byproducts Rule	Stage 1 Disinfectants and Disinfection Byproducts Rule	6	6	1
Monitoring and Reporting	Disinfectants and Disinfection Byproducts Rule	Stage 2 Disinfectants and Disinfection Byproducts Rule	14	4	7
MCL Violation	Microbials	Revised Total Coliform Rule	5	5	5
MCL Violation	Microbials	Total Coliform Rule	4	0	2
Treatment Technique Violation	Microbials	Ground Water Rule	35	13	29
Treatment Technique Violation	Microbials	Long Term 1 Enhanced Surface Water Treatment Rule	7	7	5
Treatment Technique Violation	Microbials	Long Term 2 Enhanced Surface Water Treatment Rule	7	6	2
Treatment Technique Violation	Microbials	Revised Total Coliform Rule	104	87	95
Treatment Technique Violation	Microbials	Surface Water Treatment Rule	2	1	2
Monitoring Violation	Microbials	Revised Total Coliform Rule	119	47	84
Monitoring and Reporting	Microbials	Ground Water Rule	55	29	46
Monitoring and Reporting	Microbials	Long Term 1 Enhanced Surface Water Treatment Rule	1	1	1
Monitoring and Reporting	Microbials	Total Coliform Rule	10	0	3
Other Violation	Microbials	Ground Water Rule	22	7	22
Other Violation	Microbials	Long Term 2 Enhanced Surface Water Treatment Rule	1	1	1
Other Violation	Microbials	Revised Total Coliform Rule	38	4	38
Other Violation	Other	Consumer Confidence Rule	46	17	37