



COLORADO
Department of Public
Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

COLORADO SAFE DRINKING WATER PROGRAM CALENDAR YEAR 2015 ANNUAL COMPLIANCE REPORT



Table of Contents

Introduction	3
Definitions	4
National Primary Drinking Water Regulations.....	5
Violations During Calendar Year 2015	6
Variances and Exemptions	15
Report Availability and Contact Information	15

Tables

Table 1. Number of PWSs by System Type and Population	6
Table 2. Summary by Rule and Violation Type.....	7
Table 3. Summary of Inorganic Chemicals	8
Table 4. Summary of Nitrogen Compounds.....	8
Table 5. Summary of Radionuclides	9
Table 6. Summary of Volatile Organic Chemicals	9
Table 7. Summary of Synthetic Organic Chemicals	10
Table 8. Summary of the Consumer Confidence Report Rule.....	11
Table 9. Summary of Disinfectants and Disinfection Byproducts.....	11
Table 10. Summary of the Groundwater Rule	12
Table 11. Summary of Lead and Copper	12
Table 12. Summary of Microorganisms.....	13
Table 13. Summary of the Public Notice Rule	13
Table 14. Summary of the Surface Water Treatment Rule	14

Appendix

Appendix A: PWSs with Health-Based Violations.....	16
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Introduction

The United States 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 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). For some regulations EPA establishes treatment techniques (TTs) in lieu of MCLs. Standards were also set on how often public water systems (PWSs) monitor their water for contaminants and report the sample results. Generally, the larger the population served by a water system, the more frequent the monitoring and reporting (M&R) requirements. In addition, EPA requires select PWSs to monitor for unregulated contaminants to provide data for future regulatory development. The 1996 Amendments to the SDWA require public notification to include a clear and understandable explanation of the nature of each 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 Colorado Department of Public Health and Environment's (CDPHE) Safe Drinking Water Program (SDWP) implements the SDWA, with amendments, pursuant to the Colorado Primary Drinking Water Regulations, Regulation 11 (CPDWR) for the State of Colorado.

The Annual Compliance Report (ACR) is intended to provide a total annual representation of the numbers of violations. Violations fall into 1 of 4 categories:

- Health-Based
 1. Maximum Contaminant Level (MCL)
 2. Treatment Technique (TT)
- Non-Health-Based
 3. Monitoring and/or Reporting (M&R)
 4. Public Notice (PN)

This report was prepared to meet the EPA's reporting requirements and is updated on a yearly basis. This report is available at <https://www.colorado.gov/cdphe/drinking-water-consumer-information>.

Definitions

- Public Water System (PWS): 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 3 types of PWSs:
 - Community (e.g. cities, or towns)
 - Non-Transient, Non-Community (e.g. schools, or factories)
 - Transient, Non-Community systems (e.g. restaurants, rest stops, or parks)
- Health-Based: Potential short-term or long-term health risks.
 - Maximum Contaminant Level (MCL): The highest level of a contaminant allowed in drinking water. Note: Under the Lead and Copper Rule, MCLs were not established. For this rule, “action levels” rather than MCLs define the levels at which a public water system must take action to reduce the concentration of lead and/or copper.
 - Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant (added for the treatment of water) allowed in drinking water. MRDLs are enforceable in the same manner as MCLs.
 - Treatment Techniques (TT): Unacceptable levels, in lieu of a MCL, for selected water characteristics or a failure to correct an identified issue. Turbidity, for example, which measures the cloudiness of water.
- Non-Health-Based: No health risks or health risks are unknown.
 - Monitoring and Reporting (M&R): To monitor, test, and report for water characteristics (e.g. contaminants) present in drinking water. All minor and major violations are included.
 - Public Notice (PN): A requirement for the PWS to notify their customers of any and all violations. PN requirements take into account the seriousness of the violation (or situation) and any potential adverse health effects that may be involved.
- Variance: A departure from a primary drinking water regulation if the characteristics of the raw water sources available to the PWS do not allow the system to meet the MCL.
- Exemption: Temporarily relieves a PWS of its obligation to comply with an MCL, TT, or both, due to compelling factors (which may include economic factors).

National Primary Drinking Water Regulations

The Safe Drinking Water Act (SDWA) is the federal law that regulates the quality of drinking water. The SDWA sets standards for drinking water quality and stipulates the monitoring requirements for PWSs. The following regulations have been promulgated under the SDWA:

- Chemical Phase Rule: Provide public health protection through the reduction of chronic risk (e.g. cancer, organ damage, etc.) from the exposure of:
 - Inorganic Chemicals (IOCs)
 - Nitrate and Nitrite (NOX)
 - Synthetic Organic Chemicals (SOCs)
 - Volatile Organic Chemicals (VOCs)
 - Radionuclides (RADs)
- Consumer Confidence Report (CCR): An annual drinking water quality report distributed by PWSs to their customers by July 1st. The report contains information regarding sources used (i.e. rivers, lakes, reservoirs, etc.), detected contaminants, violations, and educational information.
- Microbial, Disinfectants, and Disinfection Byproducts (MICRO, DIS, and DBPs): In general, drinking water must be disinfected to inactivate microbial pathogens (e.g. *E. coli*, salmonella, etc.). To protect against potential microbial contamination, PWSs add disinfectants such as chlorine. However, disinfectants can react with naturally occurring material in the source water and form byproducts, which may pose adverse health risks. PWSs must carefully maintain a balance between addressing potential microbial contamination and byproduct formation. The following rules address this issue:
 - Groundwater Rule (GWR): The purpose of the GWR is to provide increased protection against microbial pathogens in PWSs that utilize groundwater sources.
 - Stage 2 Disinfectant and Disinfection Byproduct Rules (DBPs): The purpose of these rules is to reduce exposure to disinfection byproducts for customers of PWSs that add a disinfectant to the drinking water during any part of the treatment process.
 - Surface Water Treatment Rules (SWTRs): The purpose of the SWTRs is to prevent waterborne diseases caused by viruses, *Giardia*, and *Cryptosporidium*. The rules require surface water systems to filter and disinfect their water to reduce the occurrence of microbial contamination.
 - Total Coliform Rule (TCR): Provide public health protection by maintaining the integrity of the distribution system and requiring public water systems to monitor for the presence of microbial contamination.
- Lead and Copper Rule (LCR): Protect public health by minimizing the public's exposure to lead and copper.
- Public Notice Rule (PN): Require PWSs to notify their customers of any drinking water violations or situations that may pose an adverse health risk.

Violations During Calendar Year 2015

Overview

The number of PWSs in the state changes on a day by day basis. This is due to seasonal operations, new PWSs opening, existing PWSs closing, and changes to the population being served. Table 1 displays a typical number of systems, on any one day, by population and system type.

Table 1. Number of PWSs by System Type and Population

Population	Water System Type			
	Community	Transient, Non-Community	Non-Transient, Non-Community	Total
25-500	502	858	136	1496
501-3,300	207	72	25	304
3,301-10,000	79	8	4	91
10,001-100,000	74	0	1	75
>100,000	9	0	0	9
Total	871	938	166	1975

Violations are based on data compiled in June, 2016 from Colorado's production SDWIS/State database. If a violation: (1) was unresolved as of January 1, 2015, or (2) occurred in calendar year 2015 it was included. M&R violations for PWSs sampling less frequently than annually will be reported in the third, sixth, or ninth year of a compliance cycle. Calendar year 2015 was the second year in a compliance cycle. Table 2 summarizes the number of violations and the number of systems by each drinking water rule and violation type and tables 3 - 14 provide further details for each of the drinking water rules.

Appendix A identifies the public water systems that were in violation of maximum contaminant levels and/or treatment technique requirements. The final column indicates if the violation was resolved.

Summary of All Violations

- 86 systems in violation of at least one of the MCLs.
- 98 systems in violation of at least one of the TTs.
- 400 systems failed to monitor/report for at least one of the rules.
- 15 systems failed to notify their customers.

Table 2. Summary by Rule and Violation Type

Group	Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
Consumer Confidence (CCR) Totals:	-	-	32	32	-	-	-	-
Disinfectants (DIS) & Disinfection Byproducts (DBPs) Totals:	53	15	235	140	-	-	45	43
Ground Water (GW) Totals:	-	-	25	12	-	-	4	4
Inorganics (IOCs) Totals:	20	3	99	10	-	-	-	-
Lead and Copper (LCR) Totals:	-	-	74	61	-	-	-	-
Microorganisms (MICRO) Totals:	23	22	202	154	-	-	-	-
Nitrogen (NITs) Totals:	83	22	88	76	-	-	-	-
Other (OTH) Totals:	-	-	1	1	-	-	-	-
Public Notice (PN) Totals:	-	-	-	-	15	15	-	-
Radionuclides (RADs) Totals:	360	28	19	8	-	-	-	-
Surface Water (SW) Totals:	-	-	156	48	-	-	106	53
Synthetic Organics (SOCs) Totals:	-	-	105	8	-	-	-	-
Volatile Organics (VOCs) Totals:	-	-	295	13	-	-	-	-
Total:	539	86	1331	400	15	15	155	98

Inorganic Chemical Violations (not including Nitrogen Compounds and Radionuclides)

- Community and Non-Transient, Non-Community PWSs are required to comply.
- 3 systems in violation of at least one of the MCLs.
- 10 systems failed to monitor/report for at least one of the contaminants.

Table 3. Summary of Inorganic Chemicals

Inorganics (IOCs)				
Contaminant	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
ANTIMONY, TOTAL	-	-	8	7
ARSENIC	-	-	9	8
BARIUM	-	-	8	7
BERYLLIUM, TOTAL	-	-	8	7
CADMIUM	-	-	8	7
CHROMIUM	-	-	8	7
FLUORIDE	12	1	10	9
MERCURY	-	-	8	7
NICKEL	-	-	8	7
SELENIUM	8	2	8	7
SODIUM	-	-	8	7
THALLIUM, TOTAL	-	-	8	7
Inorganics (IOCs) Totals:	20	3	99	10

Nitrogen Compound Violations

- All PWSs are required to comply.
- 22 systems in violation of the Nitrate MCL.
- 76 systems failed to monitor/report for Nitrate or Nitrite.

Table 4. Summary of Nitrogen Compounds

Nitrogen (NITs)				
Contaminant	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
NITRATE	83	22	85	75
NITRITE	-	-	3	3
Nitrogen (NITs) Totals:	83	22	88	76

Radionuclide Violations

- Community PWSs are required to comply.
- 28 systems in violation of at least one of the MCLs.
- 8 systems failed to monitor/report for at least one of the contaminants.

Table 5. Summary of Radionuclides

Radionuclides (RADs)				
Contaminant	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
COMBINED RADIUM (-226 & -228)	217	21	7	6
COMBINED URANIUM	62	8	5	4
GROSS ALPHA, EXCL. RADON & U	81	11	7	5
Radionuclides (RADs) Totals:	360	28	19	8

Volatile Organic Chemical Violations

- Community and Non-Transient, Non-Community PWSs are required to comply.
- 0 systems in violation of at least one of the MCLs.
- 13 systems failed to monitor/report for at least one of the contaminants.

Table 6. Summary of Volatile Organic Chemicals

Volatile Organics (VOCs)				
Contaminant	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
1,1,1-TRICHLOROETHANE	-	-	14	12
1,1,2-TRICHLOROETHANE	-	-	14	12
1,1-DICHLOROETHYLENE	-	-	14	12
1,2,4-TRICHLOROBENZENE	-	-	14	12
1,2-DICHLOROETHANE	-	-	14	12
1,2-DICHLOROPROPANE	-	-	14	12
BENZENE	-	-	14	12
CARBON TETRACHLORIDE	-	-	14	12
CHLOROETHYLENE	-	-	14	12
CIS-1,2-DICHLOROETHYLENE	-	-	14	12
DICHLOROMETHANE	-	-	14	12
ETHYLBENZENE	-	-	14	12
O-DICHLOROETHYLENE	-	-	14	12
P-DICHLOROETHYLENE	-	-	14	12
STYRENE	-	-	14	12
TETRACHLOROETHYLENE	-	-	14	12
TOLUENE	-	-	14	12
TRANS-1,2-DICHLOROETHYLENE	-	-	14	12
TRICHLOROETHYLENE	-	-	14	12
VINYL CHLORIDE	-	-	14	12
XYLENES, TOTAL	-	-	15	13
Volatile Organics (VOCs) Totals:	-	-	295	13

Synthetic Organic Chemical Violations

- Community and Non-Transient, Non-Community PWSs are required to comply.
- 0 systems in violation of at least one of the MCLs.
- 8 systems failed to monitor/report for at least one of the contaminants.

Table 7. Summary of Synthetic Organic Chemicals

Synthetic Organics (SOCs)				
Contaminant Name	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
1,2-DIBROMO-3-CHLOROPROPANE	-	-	3	2
2,4,5-TP	-	-	4	3
2,4-D	-	-	4	3
ALDCARB	-	-	3	2
ALDCARB SULFONE	-	-	3	2
ALDCARB SULFOXIDE	-	-	3	2
ATRAZINE	-	-	3	2
BENZO(A)PYRENE	-	-	3	2
BHC-GAMMA	-	-	3	2
CARBOFURAN	-	-	3	2
CHLORDANE	-	-	3	2
DALAPON	-	-	4	3
DI(2-ETHYLHEXYL)ADIPATE	-	-	3	2
DI(2-ETHYLHEXYL)PHTHALATE	-	-	5	4
DNOSEB	-	-	4	3
DQUAT	-	-	5	4
ENDOTHALL	-	-	4	3
ENDRN	-	-	3	2
ETHYLENE DIBROMIDE	-	-	4	3
HEPTACHLOR	-	-	3	2
HEPTACHLOR EPOXIDE	-	-	3	2
HEXACHLOROBENZENE	-	-	3	2
HEXACHLOROCYCLOPENTADIENE	-	-	3	2
LASSO	-	-	3	2
METHOXYCHLOR	-	-	3	2
OXAMYL	-	-	3	2
PENTACHLOROPHENOL	-	-	4	3
PICLORAM	-	-	4	3
SIMAZINE	-	-	3	2
TOTAL POLYCHLORINATED BIPHENYLS (PCB)	-	-	3	2
TOXAPHENE	-	-	3	2
Synthetic Organics (SOCs) Totals:	-	-	105	8

Consumer Confidence Report (CCR) Rule Violations

- Community PWSs are required to comply.
- 32 PWSs in violation for failing to report to their customers.

Table 8. Summary of the Consumer Confidence Report Rule

Consumer Confidence (CCR)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
71 - CCR REPORT	CONSUMER CONFIDENCE RULE	-	-	32	32	-	-	-	-
Consumer Confidence (CCR) Totals:		-	-	32	32	-	-	-	-

Disinfectants & Disinfection Byproducts Rule Violations

- Community and Non-Transient, Non-Community PWSs are required to comply.
- 15 systems in violation of at least one of the MCLs.
- 43 systems in violation of at least one of the TTs.
- 140 systems failed to monitor/report for at least one of the contaminants.

Table 9. Summary of Disinfectants and Disinfection Byproducts

Disinfectants (DIS) & Disinfection Byproducts (DBPs)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
02 - MCL, AVERAGE	BROMATE	8	2	-	-	-	-	-	-
	TOTAL HALOACETIC ACIDS (HAAS)	8	3	-	-	-	-	-	-
	TTHM	37	12	-	-	-	-	-	-
12 - QUALIFIED OPERATOR FAILURE	DBP STAGE 1	-	-	-	-	-	-	40	40
46 - INADEQUATE DBP PRECURSOR REMOVAL	CARBON, TOTAL	-	-	-	-	-	-	5	4
27 - MONITORING, ROUTINE (DBP), MAJOR	ALKALINITY, TOTAL	-	-	2	2	-	-	-	-
	BROMATE	-	-	4	2	-	-	-	-
	CARBON, TOTAL	-	-	4	2	-	-	-	-
	CHLORINE	-	-	73	59	-	-	-	-
	CHLORITE	-	-	2	2	-	-	-	-
	TOTAL HALOACETIC ACIDS (HAAS)	-	-	80	76	-	-	-	-
27 - MONITORING, ROUTINE (DBP), MINOR	TTHM	-	-	62	58	-	-	-	-
	TOTAL HALOACETIC ACIDS (HAAS)	-	-	4	4	-	-	-	-
	TTHM	-	-	4	4	-	-	-	-
Disinfectants (DIS) & Disinfection Byproducts (DBPs) Totals:		53	15	235	140	-	-	45	43

Groundwater Rule Violations

- PWSs with a groundwater source not treated to surface water standards are required to comply.
- 4 systems in violation for failing to address one or more field discovered significant deficiency.
- 12 systems failed to monitor/report their source water for *E. coli*.

Table 10. Summary of the Groundwater Rule

Ground Water (GW)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
45 - FAILURE ADDRESS DEFICIENCY (GWR)	GROUNDWATER RULE	-	-	-	-	-	-	4	4
34 - MONITOR GWR TRIGGERED/ADDITIONAL MAJOR	E. COLI	-	-	25	12	-	-	-	-
Ground Water (GW) Totals:		-	-	25	12	-	-	4	4

Lead and Copper Rule Violations

- Community and Non-Transient, Non-Community PWSs are required to comply.
- 61 systems failed to monitor/report for at least one of the requirements.

Table 11. Summary of Lead and Copper

Lead and Copper (LCR)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
51 - INITIAL TAP SAMPLING (LCR)	LEAD & COPPER RULE	-	-	3	3	-	-	-	-
52 - FOLLOW-UP OR ROUTINE TAP M/R (LCR)	LEAD & COPPER RULE	-	-	48	47	-	-	-	-
53 - WATER QUALITY PARAMETER M/R (LCR)	ALKALINITY, TOTAL	-	-	2	2	-	-	-	-
	LEAD & COPPER RULE	-	-	4	4	-	-	-	-
56 - INITIAL/FOLLOW-UP/ROUTINE SOWT M/R (LCR)	PH	-	-	2	2	-	-	-	-
	LEAD & COPPER RULE	-	-	3	3	-	-	-	-
57 - OCCT/SOWT RECOMMENDATION STUDY (LCR)	LEAD & COPPER RULE	-	-	7	7	-	-	-	-
65 - PUBLIC EDUCATION (LCR)	LEAD & COPPER RULE	-	-	5	5	-	-	-	-
Lead and Copper (LCR) Totals:		-	-	74	61	-	-	-	-

Microorganisms (Total Coliform & *E. coli*) Violations

- All PWSs are required to comply.
- 22 systems in violation with at least one of the MCLs.
- 154 systems failed to monitor/report for total coliform.

Table 12. Summary of Microorganisms

Microorganisms (MICRO)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
22 - MCL (TCR), MONTHLY	COLIFORM(TCR)	23	22	-	-	-	-	-	-
23 - MONITORING (TCR), ROUTINE MAJOR	COLIFORM(TCR)	-	-	173	135	-	-	-	-
24 - MONITORING (TCR), ROUTINE MINOR	COLIFORM(TCR)	-	-	19	18	-	-	-	-
25 - MONITORING (TCR), REPEAT MAJOR	COLIFORM(TCR)	-	-	9	8	-	-	-	-
26 - MONITORING (TCR), REPEAT MINOR	COLIFORM(TCR)	-	-	1	1	-	-	-	-
Microorganisms (MICRO) Totals:		23	22	202	154	-	-	-	-

Public Notice Rule Violations

- All PWSs that incurred a violation or posed an adverse health risk are required to comply.
- 1 system failed to provide notice to the state.
- 15 systems failed to provide public notice to their customers.

Table 13. Summary of the Public Notice Rule

Other (OTH)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
05 - NOTIFICATION, STATE, GWR	GROUNDWATER RULE	-	-	1	1	-	-	-	-
Other (OTH) Totals:		-	-	1	1	-	-	-	-
Public Notice (PN)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
75 - PUBLIC NOTICE RULE LINKED TO VIOLATION	PUBLIC NOTICE	-	-	-	-	11	11	-	-
76 - PUBLIC NOTICE RULE NOT LINKED VIOLATION	PUBLIC NOTICE	-	-	-	-	4	4	-	-
Public Notice (PN) Totals:		-	-	-	-	15	15	-	-

Surface Water Treatment Rule Violations

- Surface Water and Groundwater-Under-the-Direct-Influence-of-Surface-Water PWSs are required to comply.
- 53 systems in violation for either inadequate filtration resulting in high turbidity (cloudiness) of the water, inadequate disinfection, or failure to filter.
- 48 systems failed to monitor/report for either turbidity or chlorine disinfectant residual.

Table 14. Summary of the Surface Water Treatment Rule

Surface Water (SW)									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Type	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
41 - RES DISINFECT CONCENTRATION (SWTR)	CHLORNE	-	-	-	-	-	-	48	22
	SWTR	-	-	-	-	-	-	7	1
42 - FAILURE TO FILTER (SWTR)	SWTR	-	-	-	-	-	-	20	20
43 - SINGLE COMB FLTR EFFLUENT (IESWTR/LTI)	TURBIDITY	-	-	-	-	-	-	4	4
44 - MONTHLY COMB FLTR EFFLUENT (IESWTR/LTI)	TURBIDITY	-	-	-	-	-	-	25	14
45 - FAILURE ADDRESS DEFICIENCY (IESWTR)	IESWTR	-	-	-	-	-	-	2	2
36 - MONITORING, RTN/RPT MAJOR (SWTR-FILTER)	CHLORNE	-	-	87	41	-	-	-	-
36 - MONITORING, RTN/RPT MINOR (SWTR-FILTER)	CHLORNE	-	-	10	7	-	-	-	-
38 - MONITORING, ROUTINE (IESWTR/LTI), MAJOR	TURBIDITY	-	-	51	22	-	-	-	-
38 - MONITORING, ROUTINE (IESWTR/LTI), MINOR	TURBIDITY	-	-	8	7	-	-	-	-
Surface Water (SW) Totals:		-	-	156	48	-	-	106	53

Variations and Exemptions

For the calendar year 2015, Colorado's Safe Drinking Water Program did not issue any variations or exemptions to any public water system.

Report Availability and Contact Information

The summary report is available at <https://www.colorado.gov/cdphe/drinking-water-consumer-information>.

For further information concerning this report, or with specific violations associated with public water systems, you may contact Phillip Stanwood with the Safe Drinking Water Compliance Assurance Section at (303) 692-3502 or by email at Phillip.Stanwood@state.co.us.

Appendix A: PWSs with Health-Based Violations

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0147001	Alma Town Of	Treatment Technique	CHLORINE	No
CO0207115	Alpine Brook Ws	Treatment Technique	SWTR	No
			IESWTR	No
CO0160050	Alpine Village Mhp	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0111100	Antonito Town Of	Treatment Technique	SWTR	No
CO0126121	Arrowhead Ranch Wc	Treatment Technique	DBP STAGE 1	Yes
CO0123123	Asgard Subdivision Wa	Maximum Contaminant Level	NITRATE	No
			SELENIUM	No
CO0145030	Beehive Wc No1	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0135138	Berthoud Town Of	Treatment Technique	CHLORINE	No
			CARBON, TOTAL	No
CO0221121	Black Forest Congregation Of Jehovahs W	Maximum Contaminant Level	NITRATE	No
			COLIFORM (TCR)	No
CO0225625	Blm Pumphouse Recreation Site	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0115152	Bone Mesa Domestic Wd	Treatment Technique	SWTR	Yes
CO0151150	Boone Town Of	Maximum Contaminant Level	NITRATE	Yes
CO0262152	Borderline Cantina	Maximum Contaminant Level	NITRATE	Yes
CO0136300	Branson Town Of	Treatment Technique	SWTR	No
CO0101030	Brighton Mhp	Maximum Contaminant Level	NITRATE	No
CO0130015	Buffalo Creek Wd	Treatment Technique	TURBIDITY	No
CO0132005	Burlington City Of	Maximum Contaminant Level	NITRATE	No
CO0121080	Camelot Property Owners Assoc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	Yes
CO0235172	Camp Timberline	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0145090	Cheraw Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0109006	Cheyenne Wells Town Of	Treatment Technique	DBP STAGE 1	No
CO0115185	Coalby Domestic Wc	Treatment Technique	CHLORINE	No
CO0324001	Cold Springs Cg	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0108450	Collegiate Valley Mhp	Maximum Contaminant Level	COLIFORM (TCR)	Yes

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0151200	Colorado City Md	Maximum Contaminant Level	TTHM	No
CO0234240	Colvig Silver Camps	Treatment Technique	SWTR	Yes
CO0130184	Conifer Md	Maximum Contaminant Level	TTHM	No
CO0103025	Country Gardens Mhp	Treatment Technique	DBP STAGE 1	No
CO0235185	Covenant Heights Conference Center	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED URANIUM	No
			COMBINED RADIUM (-226 & -228)	No
CO0130187	Cragmont Wc	Treatment Technique	CHLORINE	No
CO0230052	Crossroads Restaurant	Maximum Contaminant Level	NITRATE	Yes
CO0207785	Cu Mountain Research Station	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0128100	Cucharas Sanitation And Water District	Treatment Technique	DBP STAGE 1	Yes
CO0247004	Deer Creek Elem School	Treatment Technique	DBP STAGE 1	No
CO0215225	Deutsch Domestic Water	Treatment Technique	SWTR	No
CO0160275	Divide South	Treatment Technique	TURBIDITY	Yes
CO0119501	Dotsero Mhp	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0235221	Dripping Springs Bed And Breakfast Inn	Treatment Technique	DBP STAGE 1	No
CO0145120	East End Wa	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0108800	Eastside Mhp	Treatment Technique	DBP STAGE 1	Yes
CO0135237	Eden Valley Institute	Treatment Technique	CHLORINE	No
CO0221300	Edison School District 54jt	Treatment Technique	DBP STAGE 1	No
CO0247017	Eleven Mile Ranch Hoa	Maximum Contaminant Level	NITRATE	No
CO0221350	Ellicott Elem Sr High School	Treatment Technique	DBP STAGE 1	No
CO0235257	Estes Park Cg At East Portal	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0145150	Eureka Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0145180	Fayette Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0122500	Florence City Of	Treatment Technique	DBP STAGE 1	Yes
CO0160175	Florissant Wsd	Treatment Technique	SWTR	Yes
		Maximum Contaminant Level	TTHM	No

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0121250	Forest View Acres Wd	Treatment Technique	TURBIDITY	Yes
CO0145210	Fowler Town Of	Maximum Contaminant Level	TTHM	Yes
CO0101060	Galamb's Mobile Home And Rv Park	Treatment Technique	DBP STAGE 1	No
CO0120300	Gambel Oaks Hoa	Treatment Technique	DBP STAGE 1	No
CO0162302	Greeley Rv Park	Maximum Contaminant Level	NITRATE	No
CO0119321	Green Acres Mhp	Treatment Technique	DBP STAGE 1	No
CO0136321	Greeville Carbondale Water	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0111500	Guadalupe Wa	Treatment Technique	DBP STAGE 1	Yes
CO0310291	Guanella Pass Cg West	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0130045	Hidden Valley Mutual Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0160200	Highland Lakes Wd	Maximum Contaminant Level	NITRATE	No
CO0235345	Hill Top General Store	Treatment Technique	SWTR	Yes
CO0145300	Hilltop Wc	Maximum Contaminant Level	BROMATE	Yes
CO0145330	Holbrook Center Soft Wa	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0111525	Horca Subd Red Bear Inn	Treatment Technique	DBP STAGE 1	Yes
CO0162359	Hudson Town Of	Maximum Contaminant Level	TTHM	No
CO0263003	Idalia School	Maximum Contaminant Level	NITRATE	No
CO0157250	Ilium Valley Ws	Treatment Technique	DBP STAGE 1	No
CO0222470	Indian Springs Ranch	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0335401	Jacks Gulch Cg	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0207401	Jacobs Corner	Treatment Technique	TURBIDITY	Yes
			CHLORINE	No
CO0107401	Jamestown Town Of	Treatment Technique	TURBIDITY	No
CO0109011	Kit Carson Town Of	Maximum Contaminant Level	SELENIUM	No
CO0208440	Koa Buena Vista	Maximum Contaminant Level	NITRATE	Yes
CO0127467	Lake City Town Of	Treatment Technique	SWTR	Yes
CO0134530	Lake Durango Wa	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0107489	Lark Meadows Wa	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0157300	Last Dollar Pud	Treatment Technique	DBP STAGE 1	Yes
CO0134570	Lightner Creek Mhp	Treatment Technique	SWTR	No

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
		Maximum Contaminant Level	COLIFORM (TCR)	No
CO0149476	Little Elk Creek	Treatment Technique	CHLORINE	No
CO0235283	Livermore Ws	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0145450	Manzanola Town Of	Maximum Contaminant Level	COMBINED URANIUM	No
CO0226500	Marble Wc	Treatment Technique	DBP STAGE 1	No
CO0357500	Matterhorn Cg	Treatment Technique	CHLORINE	No
CO0342500	Mavreeso Cg	Treatment Technique	CHLORINE	No
CO0150800	May Valley Wa	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0207504	Meadow Mtn Water Supply	Treatment Technique	CHLORINE	Yes
CO0207506	Meeker Park Lodge	Treatment Technique	TURBIDITY	No
CO0138025	Merino Town Of	Maximum Contaminant Level	COMBINED URANIUM	No
CO0107510	Mile Hi Water Inc Hauler	Treatment Technique	DBP STAGE 1	No
CO0143510	Millards Management Llc	Treatment Technique	DBP STAGE 1	Yes
CO0207510	Millsite Inn	Treatment Technique	GROUNDWATER RULE	No
CO0235510	Mishawaka	Treatment Technique	SWTR	Yes
CO0108420	Monarch Mountain Lodge	Treatment Technique	SWTR	Yes
CO0142800	Montezuma Cnty Wd No 1	Treatment Technique	DBP STAGE 1	No
CO0230518	Mountain Air Ranch	Treatment Technique	CHLORINE	Yes
CO0206524	Mountain Prairie Llc	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0151350	Mountain Shadows Mobile Estates	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0133500	Mt Elbert Wa	Treatment Technique	GROUNDWATER RULE	No
CO0335534	Narrows Cg Lower	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0335535	Narrows Cg Upper	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0204900	Navajo State Park	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0123538	New Castle Town Of	Treatment Technique	CHLORINE	No
CO0145630	North Holbrook Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0157500	Norwood Water Commission	Maximum Contaminant Level	TTHM	Yes
CO0154566	Oak Creek Town Of	Treatment Technique	TURBIDITY	No

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0113500	Olney Springs Town Of	Treatment Technique	DBP STAGE 1	No
CO0144025	Pagels Tp	Treatment Technique	DBP STAGE 1	No
		Maximum Contaminant Level	COMBINED URANIUM	No
CO0121550	Palmer Lake Mobile Home Ranch	Treatment Technique	DBP STAGE 1	No
CO0247043	Panda Gardens Restaurant	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0115601	Paonia Town Of	Treatment Technique	SWTR	No
CO0121220	Par Properties Llc	Treatment Technique	DBP STAGE 1	No
CO0143600	Paradox Pipeline Co	Treatment Technique	DBP STAGE 1	Yes
CO0122600	Park Center Wd	Maximum Contaminant Level	TTHM	No
CO0225733	Parshall Inn The	Maximum Contaminant Level	NITRATE	Yes
CO0145540	Patterson Valley Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0207605	Peaceful Valley Lodge	Treatment Technique	CHLORINE	No
CO0122700	Penrose Wd	Maximum Contaminant Level	TTHM	Yes
CO0230001	Pine Country Store	Treatment Technique	CHLORINE	Yes
CO0135610	Pinewood Springs Wd	Treatment Technique	TURBIDITY	No
CO0247011	Platte Canyon High Fitzsimmons Middle	Treatment Technique	DBP STAGE 1	No
CO0118050	Ponderosa Retreat And Conference Ctr	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	Yes
			COMBINED RADIUM (-226 & -228)	Yes
CO0101125	Prairie View Poa	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	Yes
			TTHM	Yes
CO0242500	Priest Gulch Rv And Campground	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0222990	Prospectors Rv Resort	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0226620	Quartz Creek Property Owners Association	Treatment Technique	SWTR	No
CO0160375	Rainbow Valley Wd	Treatment Technique	TURBIDITY	No
			CARBON, TOTAL	No
CO0139529	Ranch Domestic	Treatment Technique	GROUNDWATER RULE	No
CO0219666	Rancho Del Rio	Treatment Technique	SWTR	Yes
CO0238500	Reata Petroleum Corp The	Maximum Contaminant Level	NITRATE	No
CO0219675	River Dance Rv Park	Treatment Technique	SWTR	Yes

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0254676	Riverbend Cabins	Treatment Technique	DBP STAGE 1	No
CO0145570	Riverside Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0143676	Riverwood Subd Wc	Treatment Technique	DBP STAGE 1	Yes
CO0262724	Roggen Central Food And Gas	Maximum Contaminant Level	NITRATE	No
CO0103081	Rolling Plains Estate	Treatment Technique	DBP STAGE 1	No
CO0326685	Rosy Lane Cg	Treatment Technique	CHLORINE	No
CO0151700	Rye Town Of	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0260700	Sanborn Western Camps	Treatment Technique	DBP STAGE 1	Yes
		Maximum Contaminant Level	NITRATE	No
CO0123726	Satank Wa	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0233701	Saturdays Discount Store	Treatment Technique	GROUNDWATER RULE	No
CO0121750	Security Mhp	Treatment Technique	DBP STAGE 1	No
CO0118060	Sedalia Wsd	Treatment Technique	CHLORINE	No
CO0147090	Shawnee Wca	Maximum Contaminant Level	NITRATE	No
CO0131800	Sheridan Lake Wc	Maximum Contaminant Level	COLIFORM (TCR)	No
			COMBINED URANIUM	No
CO0251743	Signal Mountain Ranch Property Owners Wc	Treatment Technique	DBP STAGE 1	No
		Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)	No No
CO0153718	South Fork Heights Apartments	Treatment Technique	SWTR	No
CO0145690	South Swink Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0262508	Sparboe Farms Of Colorado	Maximum Contaminant Level	NITRATE	Yes
CO0143719	Spring View Tp	Treatment Technique	DBP STAGE 1	Yes
CO0105500	Springfield Town Of	Maximum Contaminant Level	COMBINED URANIUM	No
CO0224724	Stage Stop Ws	Maximum Contaminant Level	NITRATE	Yes
CO0154725	Steamboat Springs City Of	Maximum Contaminant Level	TTHM	No
CO0207724	Stone Mountain Lodge And Cabins	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0115726	Stucker Mesa Domestic Wc	Treatment Technique	SWTR	No

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2015?
CO0143515	Suburban Water	Treatment Technique	DBP STAGE 1	Yes
CO0123500	Sun Meadow Estates	Maximum Contaminant Level	TTHM	No
			COMBINED URANIUM	No
CO0135725	Sunrise Ranch	Treatment Technique	DBP STAGE 1	No
			CARBON, TOTAL	Yes
CO0143725	Sunrise Trailer Park	Treatment Technique	DBP STAGE 1	Yes
CO0157900	Telluride Pines Hoa	Treatment Technique	TURBIDITY	Yes
CO0263321	The Grainery	Maximum Contaminant Level	NITRATE	Yes
CO0226742	Three Rivers Resort	Treatment Technique	SWTR	No
CO0128726	Tres Valles West	Treatment Technique	DBP STAGE 1	Yes
CO0210014	Tributary	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0121841	Turkey Canon Ranch Wd	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	Yes
			COMBINED URANIUM	Yes
CO0114550	Tv Hills Water	Treatment Technique	DBP STAGE 1	Yes
CO0230063	Twins Inn Inc	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0108925	Ute Heights Community Ws	Maximum Contaminant Level	FLUORIDE	No
CO0134790	Ute Pass Wa Inc	Treatment Technique	CARBON, TOTAL	Yes
CO0145750	Valley Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0110045	Valli Hi Mhp	Maximum Contaminant Level	NITRATE	No
CO0105800	Vilas Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0132025	Vona Town Of	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0145780	Vroman Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0128900	Walsenburg City Of	Treatment Technique	SWTR	No
			IESWTR	No
CO0162833	Wattensburg Improvement Assoc	Maximum Contaminant Level	NITRATE	No
CO0234837	Well On Wheels Water Hauler	Treatment Technique	DBP STAGE 1	No
CO0145810	West Grand Valley Wa	Maximum Contaminant Level	BROMATE	Yes
CO0251700	Xcel Energy Comanche Plant	Treatment Technique	TURBIDITY	No
CO0154900	Yampa Town Of	Treatment Technique	SWTR	No