

**CALENDAR YEAR 2010**

**COLORADO DRINKING WATER  
ANNUAL COMPLIANCE REPORT**

July 1, 2011

**I. Introduction**

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). For some regulations, EPA establishes treatment techniques in lieu of an MCL to control unacceptable levels of contaminants in drinking water. The Agency also regulates how often public water systems (PWSs) monitor their water for contaminants and report the monitoring results to the states or EPA. Generally, the larger the population served by a water system, the more frequent the monitoring and reporting (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 the public when they have violated these regulations. The 1996 Amendments to the SDWA require public 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, the Commonwealth of the Northern Mariana Islands, and the Republic of Palau.

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 the state can enforce the program requirements. Of the 57 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.

The 1986 SDWA Amendments gave Indian Tribes the right to apply for and receive primacy. To receive primacy, a Tribe must meet the same requirements as a state. To date, no Tribes have been granted primacy. Currently, EPA administers PWSS Programs on all Indian lands.

## Annual State PWS Report

Primacy states submit data to the federal Safe Drinking Water Information System (SDWIS/FED) on a quarterly basis. Data include PWS inventory statistics, the incidence of maximum contaminant level violations (MCLs), maximum residual disinfectant level violations, major monitoring and treatment technique violations, lead action level exceedances, lead 90<sup>th</sup> percentile data, and the enforcement actions taken against violators. The annual compliance report that states are required to submit to EPA will provide a total annual representation of the numbers of violations for each of the four categories listed in section 1414(c)(3) of the Safe Drinking Water Act reauthorization. These four categories are: MCLs, treatment techniques, variances and exemptions, and significant monitoring violations. The EPA Regional Offices report the information for Wyoming, the District of Columbia, and all Indian Lands. Regional offices also report Federal enforcement actions taken. EPA stores these data in an automated database called the Safe Drinking Water Information System (SDWIS). This report is based largely on data retrieved from the State version of the Safe Drinking Water Information System (SDWIS/STATE).

The first annual report was generated January 1, 1998, for the compliance period of calendar year 1996. This report covers calendar year 2010. Subsequent reports will be generated each July 1 for the previous calendar year.

## 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. A PWS can be community (such as towns), non-transient non-community (such as schools or factories), or transient non-community systems (such as restaurants, rest stops or parks). For the purpose of this report the acronym "PWS" means systems of all types of public water systems, unless, specified in greater detail.

## Maximum Contaminant Level

Under the Safe Drinking Water Act (SDWA), the EPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as maximum contaminant levels (MCLs). Under the lead and copper rule, the national limits are called "action levels" rather than MCLs.

## Maximum Residual Disinfectant Level

Under Section 1412 of the Safe Drinking Water Act (SDWA), the EPA sets levels of a disinfectant added for treatment of water that may not be exceeded. These limits are known as maximum residual disinfectant level (MRDLs) and are enforceable in the same manner as MCLs.

## Treatment Techniques

For some regulations, the EPA establishes treatment techniques (TTs) in lieu of a MCL to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, bacteria, disinfection byproduct precursors and turbidity.

## Variances and Exemptions

A primacy state can grant a PWS a variance from a primary drinking water regulation if the characteristics of the raw water sources reasonably available to the PWS do not allow the system to meet the MCL. To obtain a variance, the system must agree to install the best available technology, treatment techniques, or other means of limiting drinking water contamination that the Administrator finds are available (taking costs into account), and the state must find that the variance will not result in an unreasonable risk to public health. At the time the variance is granted, the state must prescribe a schedule (including increments of progress) that the PWS will follow to come into eventual compliance with the MCL. Small systems (those serving 3,300 or fewer persons; or 10,000 or fewer persons with the Administrator's approval) may also be granted variances if they cannot afford (as determined by application of the Administrator's affordability criteria) to comply with certain MCLs (non-microbial), promulgated after January 1, 1986) by means of treatment, alternative source of water, or restructuring or consolidation. Small systems will be allowed three years to install and operate EPA approved small system variance technology. The variance shall be reviewed not less than every five years to determine if the system remains eligible for the variance.

A primacy state can grant an exemption to temporarily relieve a PWS of its obligation to comply with an MCL, treatment technique, or both if the system's noncompliance results from compelling factors (which may include economic factors) and the system was in operation on the effective date of the MCL or treatment technique requirement. A new PWS that was not in operation on the effective date of the MCL or treatment technique requirement by that date may be granted an exemption only if no reasonable alternative source of drinking water is available to the new system. Neither an old nor a new PWS is eligible for an exemption if management or restructuring changes can reasonably be made that will result in compliance with the SDWA or improvement of water quality, or if the exemption will result in an unreasonable risk to public health. The state will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than three years after the otherwise applicable compliance date.

## Monitoring and Reporting

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCL. If a PWS fails to have its water tested as required or fails to report test results correctly to the primacy agency, a monitoring and reporting violation occurs. For this report, all minor and major violations are included.

## Public Notice

All PWS must provide public notice for all violations, including violations of the MCL, maximum residual disinfection level (MRDL), TT, monitoring requirements, and testing procedures. Public notice requirements are divided into different tiers to take into account the seriousness of the violation (or situation) and any potential adverse health effects that may be involved.

## II. Calendar Year 2010 Statistics

### Sources of Data

Prior to Colorado's implementation of the Safe Drinking Water Information System (SDWIS/State), the Annual Compliance Report was based on data captured from the SDWIS/Fed dataset frozen in April. The State began using SDWIS/State production data to compile the Annual Compliance Report in June 2007 for the Calendar Year 2006 report. This 2010 Report is also based on data from Colorado's production SDWIS/State database compiled in June 2011.

Appendix A summarizes violations of all requirements, and Appendix B lists the public water systems that were in violation of maximum contaminant levels and/or treatment technique requirements in calendar year 2010. These violations are further described below. Refer to Tables One and Two for summaries of violations by type and/or rule.

### Chemical and Radiological Contaminants (Organic, Inorganic, Nitrogen Compounds, and Radionuclides)

The chemical contaminants monitored in drinking water include organic chemicals, inorganic chemicals, and radiological parameters. Monitoring requirements for the various chemical contaminants vary by system type and source, except that monitoring for nitrate, an inorganic chemical contaminant, is required for all systems annually. Systems are required to increase their monitoring to quarterly based on the following criteria: 1) For organic chemical contaminants, when the contaminant exceeds the trigger level specified in the regulations; 2) for inorganic contaminants, when the contaminant exceeds the MCL; and 3) for nitrates, when the nitrate level exceeds half the MCL for community and non-transient non community water systems.

Calendar year 2010 was the third year in a three-year compliance cycle and the ninth year in a nine-year compliance cycle. Although the State designates a specific year for each system to conduct monitoring, the failure-to-monitor violation may not be reported to SDWIS/Fed as a violation until the end of the three-year or nine-year cycle. For that reason, the data show an increase in number of violations when compared to calendar year 2009. Refer to Table One for a summary of the MCL and the monitoring and reporting violations that were identified in calendar year 2010.

The violations for chemical and radiological contaminant monitoring and reporting and for MCLs were distributed as follows:

Organic Chemicals: No systems exceeded the MCLs for organic chemicals in calendar year 2010. There were 32 public water systems that failed to monitor synthetic organic contaminants resulting in 467 violations and 29 public water systems that failed to monitor for volatile organic compounds resulting in 652 violations.

Inorganic Chemicals (not including nitrogen compounds and radionuclides):

Groundwater systems are required to monitor for inorganic chemicals once during the compliance period 2008 through 2010, inclusive. Surface water systems are required to monitor for inorganic chemicals annually. There were 153 occurrences of monitoring and/or reporting violations from 16 different systems. Additionally, 10 systems exceeded the MCL for inorganic chemical contaminants a total of 74 times in 2010.

### Nitrogen Compounds:

Surface and ground water systems are required to monitor for nitrate annually and nitrite once every nine years. There were 114 occurrences of monitoring and/or reporting violations from 86 different systems. Nineteen (19) systems were identified as having exceeded the nitrate MCL resulting in 70 violations.

### Radionuclides:

In 2010, there were 33 systems that had 242 violations that exceeded a radiological MCL. Six (6) systems failed to monitor for one or more radionuclides during 2010, resulting in 16 violations.

Table One: Summary of Chemical and Radiological Violations by Rule and Type

Rule Type	SUBGROUP	MCLS		MONITORING	
		# of Violations	# of PWS in Violation	# of Violations	# of PWS in Violation
CHEM	Synthetic Organic Contaminants (SOC)	0	0	467	32
CHEM	Volatile Organic Contaminants (VOC)	0	0	652	29
CHEM	Inorganic Contaminants	74	10	153	16
CHEM	Nitrate/Nitrite	70	19	114	86
CHEM	RADs	242	33	16	6
	<b>Subtotal Chem/Rads</b>	<b>386</b>	<b>62</b>	<b>1402</b>	<b>169</b>

### **Coliform Bacteria Violations**

A total of 2043 public water systems were required to monitor for the presence of coliform bacteria in 2010. The 2010 monitoring revealed 28 systems that detected and confirmed the presence of coliform bacteria in the water a total of 38 times. Of these 38 violations, five (5) were acute with possible immediate health threats, and 33 were not acute violations. In all cases, systems were required to investigate and correct and issue public notification. In the case of the acute violations, notification to the public was required within 24 hours of the problem being identified, and may have included a boil or bottle water order and increased monitoring.

Also during the 2010 calendar year, 205 systems failed to take samples representing 272 separate violations. These violations resulted in system notification and/or enforcement action. Systems receiving violations were required to issue public notification.

### **Surface Water Treatment Rule, including IESWTR and LT1 ESWTR**

Of the 235 surface water and 91 groundwater-under-the-influence-of-surface-water systems active in the state in 2010, 27 systems had a total of 51 violations of Treatment Technique (TT) requirements. These violations were due to either inadequate filtration resulting in high turbidity (cloudiness) of the water, inadequate disinfection with chlorine, or a failure to filter as required.

In 2010, 44 systems had monitoring violations for either turbidity or chlorine disinfectant residual, resulting in 77 separate violations.

Drinking water plants that are unable to maintain compliance with the requirements for filtration of water supplies are evaluated and provided with technical assistance to ascertain the cause of non-compliance. The problems vary from poor operation to the need for new treatment plants. Where necessary, enforcement action is taken to assure that proper treatment techniques are used to provide safe water to the consumers.

### **Lead and Copper Rule**

This rule applied to 1,047 public water systems and requires systems to monitor for lead and copper levels, and install corrosion control and educate consumers if appropriate. If elevated lead or copper levels are found, treatment is required, if appropriate, to bring the drinking water to within the required action levels. In 2010, no systems failed to educate their customers of the potential health problems resulting from elevated lead levels. However, in the calendar year 2010, 73 systems failed to perform required lead and copper monitoring resulting in 107 violations. Only violations that were either unresolved on January 1, 2010, or that occurred in calendar year 2010 are included in the data for this report.

### **Consumer Confidence Report (CCR) Rule**

In calendar year 2010, 34 public water systems were in violation of the Consumer Confidence Report Rule for failing to submit a Consumer Confidence Report by the July 1, 2010 deadline and/or for failing to resolve a prior year's reporting requirement.

### **Disinfection Byproducts Rule, Stage 1**

In calendar year 2010, 21 public water systems exceeded the MCLs for either TTHM or HAA5 for a total of 102 violations. There were four (4) treatment technique precursor removal violations by two (2) systems, and 137 monitoring/reporting violations by 84 systems.

*Table Two: Summary of Distribution System and Treatment Violations by Rule and Type*

Rule Type	SUBGROUP	MCLS		TREATMENT TECHNIQUES		MONITORING	
		# of Violations	# of PWS in Violation	# of Violations	# of PWS in Violation	# of Violations	# of PWS in Violation
RULE	TCR	38	28			272	205
RULE	SWTRs			51	27	77	44
RULE	Pb/CU rule			1	1	107	73
RULE	DBP Rule	102	21	4	2	137	84
<b>Subtotal</b>		<b>140</b>	<b>49</b>	<b>56</b>	<b>30</b>	<b>593</b>	<b>406</b>

### III. Variances and Exemptions

The following public water system operated pursuant to a variance in 2010:

<b>PWSID</b>	<b>SYSTEM NAME</b>	<b>RULE/CONTAMINANT</b>
CO0225116	Climax Molybdenum CO Henderson Mill	DBP/TTHM MCL

### IV. List of Public Water Systems that were in Violation of One or More MCLs or Treatment Techniques during Calendar Year 2010

All systems that were in violation of an MCL or Treatment Technique at any time during calendar year 2010, regardless of when the violation was determined, are included in Appendix B. .

### V. Report Availability and Contact Information

The 2010 summary report may be obtained by writing to:

Colorado Department of Public Health and Environment  
Water Quality Control Division  
ATTN: Annual Compliance Report  
CADM-B2  
4300 Cherry Creek Drive South  
Denver, CO 80246

In addition, this summary report has been posted on the Water Quality Control Division's Website at <http://www.cdphe.state.co.us/wq/drinkingwater>

For further information concerning this report, or with specific violations associated with public water systems, you may contact Rick Koplitz with the WQCD Drinking Water Compliance Assurance Unit at (303) 692-3664 or by electronic mail at [rick.koplitz@state.co.us](mailto:rick.koplitz@state.co.us).

**APPENDIX A  
 VIOLATION SUMMARY INFORMATION**

**Violation Summary for All Groups:**

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
<b>Consumer Confidence (CCR) Totals:</b>	-	-	43	34	-	-	-	-
<b>Disinfectants (DIS) &amp; Disinfection Byproducts (DBPs) Totals:</b>	102	21	137	84	-	-	4	2
<b>Ground Water (GW) Totals:</b>	-	-	26	26	-	-	-	-
<b>Inorganics (IOCs) Totals:</b>	74	10	153	16	-	-	-	-
<b>Lead and Copper (LCR) Totals:</b>	-	-	107	73	-	-	1	1
<b>Microorganisms (MICRO) Totals:</b>	38	28	272	205	-	-	-	-
<b>Nitrogen (NITs) Totals:</b>	70	19	114	86	-	-	-	-
<b>Other (OTH) Totals:</b>	-	-	-	-	-	-	1	1
<b>Public Notice (PN) Totals:</b>	-	-	-	-	5	5	-	-
<b>Radionuclides (RADs) Totals:</b>	242	33	16	6	-	-	-	-
<b>Surface Water (SW) Totals:</b>	-	-	77	44	-	-	51	27
<b>Synthetic Organics (SOCs) Totals:</b>	-	-	467	32	-	-	-	-
<b>Volatile Organics (VOCs) Totals:</b>	-	-	652	29	-	-	-	-
<b>Total:</b>	526	104	2064	431	5	5	57	31



**APPENDIX A  
 VIOLATION SUMMARY INFORMATION**

**Violation Summary for Chemical and Radionuclide Groups:**

Group	Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
<b>Inorganics (IOCs) Totals:</b>	74	10	153	16
<b>Nitrogen (NITs) Totals:</b>	70	19	114	86
<b>Radionuclides (RADs) Totals:</b>	242	33	16	6
<b>Synthetic Organics (SOCs) Totals:</b>	-	-	467	32
<b>Volatile Organics (VOCs) Totals:</b>	-	-	652	29
<b>Total:</b>	386	60	1402	144

**Violation Details for Chemical and Radionuclide Groups:**

Inorganics (IOCs)					
Contaminant		Maximum Contaminant Level Violations		Monitoring & Reporting Violations	
Code	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
1005	ARSENIC	21	4	14	11
1010	BARIUM	-	-	13	10
1015	CADMIUM	-	-	13	10
1020	CHROMIUM	-	-	13	10
1025	FLUORIDE	47	4	10	10
1035	MERCURY	-	-	12	9
1036	NICKEL	-	-	13	10
1045	SELENIUM	6	2	13	10
1052	SODIUM	-	-	13	10
1074	ANTIMONY, TOTAL	-	-	13	10
1075	BERYLLIUM, TOTAL	-	-	13	10
1085	THALLIUM, TOTAL	-	-	13	10
<b>Inorganics (IOCs) Totals:</b>		74	10	153	16

Nitrogen (NITs)					
Contaminant		Maximum Contaminant Level		Monitoring & Reporting Violations	
Code	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
1040	NITRATE	70	19	93	78
1041	NITRITE	-	-	21	20
<b>Nitrogen (NITs) Totals:</b>		70	19	114	86

Radionuclides (RADs)					
Contaminant		Maximum Contaminant Level		Monitoring & Reporting Violations	
Code	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
4000	GROSS ALPHA, EXCL. RADON & U	45	11	4	4
4006	COMBINED URANIUM	68	8	5	5
4010	COMBINED RADIUM (-226 & -228)	129	24	4	4
4030	RADIUM-228	-	-	3	1
<b>Radionuclides (RADs) Totals:</b>		242	33	16	6

**APPENDIX A  
 VIOLATION SUMMARY INFORMATION**

<b>Synthetic Organics (SOCs)</b>					
<b>Contaminant</b>		<b>Maximum Contaminant Level</b>		<b>Monitoring &amp; Reporting</b>	
<b>Code</b>	<b>Name</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>
2005	ENDRIN	-	-	14	12
2010	BHC-GAMMA	-	-	14	12
2015	METHOXYCHLOR	-	-	14	12
2020	TOXAPHENE	-	-	15	13
2031	DALAPON	-	-	17	15
2032	DIQUAT	-	-	17	15
2033	ENDOTHALL	-	-	16	14
2035	DI(2-ETHYLHEXYL) ADIPATE	-	-	15	13
2036	OXAMYL	-	-	14	12
2037	SIMAZINE	-	-	15	13
2039	DI(2-ETHYLHEXYL) PHTHALATE	-	-	20	17
2040	PICLORAM	-	-	16	14
2041	DINOSEB	-	-	18	16
2042	HEXACHLOROCYCLOPENTADIENE	-	-	15	13
2043	ALDICARB SULFOXIDE	-	-	13	11
2044	ALDICARB SULFONE	-	-	13	11
2046	CARBOFURAN	-	-	14	12
2047	ALDICARB	-	-	13	11
2050	ATRAZINE	-	-	16	14
2051	LASSO	-	-	14	12
2065	HEPTACHLOR	-	-	14	12
2067	HEPTACHLOR EPOXIDE	-	-	14	12
2105	2,4-D	-	-	16	14
2110	2,4,5-TP	-	-	16	14
2274	HEXACHLOROBENZENE	-	-	14	12
2306	BENZO(A)PYRENE	-	-	14	12
2326	PENTACHLOROPHENOL	-	-	14	12
2383	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	-	-	15	13
2931	1,2-DIBROMO-3-CHLOROPROPANE	-	-	16	14
2946	ETHYLENE DIBROMIDE	-	-	16	14
2959	CHLORDANE	-	-	15	13
<b>Synthetic Organics (SOCs) Totals:</b>		-	-	467	32

**APPENDIX A  
VIOLATION SUMMARY INFORMATION**

Volatile Organics (VOCs)					
Contaminant		Maximum Contaminant Level		Monitoring & Reporting	
Code	Name	# of Violations	# of Water Systems with Violations	# of Violations	# of Water Systems with Violations
2378	1,2,4-TRICHLOROBENZENE	-	-	31	28
2380	CIS-1,2-DICHLOROETHYLENE	-	-	31	28
2955	XYLENES, TOTAL	-	-	32	29
2964	DICHLOROMETHANE	-	-	31	28
2968	O-DICHLOROBENZENE	-	-	31	28
2969	P-DICHLOROBENZENE	-	-	31	28
2976	VINYL CHLORIDE	-	-	31	28
2977	1,1-DICHLOROETHYLENE	-	-	31	28
2979	TRANS-1,2-DICHLOROETHYLENE	-	-	31	28
2980	1,2-DICHLOROETHANE	-	-	31	28
2981	1,1,1-TRICHLOROETHANE	-	-	31	28
2982	CARBON TETRACHLORIDE	-	-	31	28
2983	1,2-DICHLOROPROPANE	-	-	31	28
2984	TRICHLOROETHYLENE	-	-	31	28
2985	1,1,2-TRICHLOROETHANE	-	-	31	28
2987	TETRACHLOROETHYLENE	-	-	31	28
2989	CHLOROBENZENE	-	-	31	28
2990	BENZENE	-	-	31	28
2991	TOLUENE	-	-	31	28
2992	ETHYLBENZENE	-	-	31	28
2996	STYRENE	-	-	31	28
<b>Volatile Organics (VOCs) Totals:</b>		-	-	652	29

**Violation Summary for Non-Chemical and Non-Radionuclide Groups:**

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
<b>Consumer Confidence (CCR) Totals:</b>	-	-	43	34	-	-	-	-
<b>Disinfectants (DIS) &amp; Disinfection Byproducts (DBPs) Totals:</b>	102	21	137	84	-	-	4	2
<b>Ground Water (GW) Totals:</b>	-	-	26	26	-	-	-	-
<b>Lead and Copper (LCR) Totals:</b>	-	-	107	73	-	-	1	1
<b>Microorganisms (MICRO) Totals:</b>	38	28	272	205	-	-	-	-
<b>Other (OTH) Totals:</b>	-	-	-	-	-	-	1	1
<b>Public Notice (PN) Totals:</b>	-	-	-	-	5	5	-	-
<b>Surface Water (SW) Totals:</b>	-	-	77	44	-	-	51	27
<b>Total:</b>	140	48	662	347	5	5	57	31

**APPENDIX A  
VIOLATION SUMMARY INFORMATION**

**Violation Details for Non-Chemical and Non-Radionuclide Groups:**

<b>Consumer Confidence (CCR)</b>									
<b>Violation</b>		<b>Maximum Contaminant Level Violations</b>		<b>Monitoring &amp; Reporting Violations</b>		<b>Public/State Notification Violations</b>		<b>Treatment Technique Violations</b>	
<b>Code</b>	<b>Name</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>
71	CCR REPORT	-	-	43	34	-	-	-	-
<b>Consumer Confidence (CCR) Totals:</b>		-	-	43	34	-	-	-	-
<b>Disinfectants (DIS) &amp; Disinfection Byproducts (DBPs)</b>									
<b>Violation</b>		<b>Maximum Contaminant Level Violations</b>		<b>Monitoring &amp; Reporting Violations</b>		<b>Public/State Notification Violations</b>		<b>Treatment Technique Violations</b>	
<b>Code</b>	<b>Name</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>
02	MCL, AVERAGE	102	21	-	-	-	-	-	-
27	MONITORING, (DBP) (CHL. DIOXIDE)	-	-	4	2	-	-	-	-
	MONITORING, ROUTINE (DBP), MAJOR	-	-	118	75	-	-	-	-
	MONITORING, ROUTINE (DBP), MINOR	-	-	10	7	-	-	-	-
35	FAILURE SUBMIT IDSE/SUBPT V PLAN (DBP2)	-	-	5	5	-	-	-	-
46	INADEQUATE DBP PRECURSOR REMOVAL	-	-	-	-	-	-	4	2
<b>Disinfectants (DIS) &amp; Disinfection Byproducts (DBPs) Totals:</b>		102	21	137	84	-	-	4	2
<b>Ground Water (GW)</b>									
<b>Violation</b>		<b>Maximum Contaminant Level Violations</b>		<b>Monitoring &amp; Reporting Violations</b>		<b>Public/State Notification Violations</b>		<b>Treatment Technique Violations</b>	
<b>Code</b>	<b>Name</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>
34	MONITORING, SOURCE (GWR), MAJOR	-	-	26	26	-	-	-	-
<b>Ground Water (GW) Totals:</b>		-	-	26	26	-	-	-	-
<b>Lead and Copper (LCR)</b>									
<b>Violation</b>		<b>Maximum Contaminant Level Violations</b>		<b>Monitoring &amp; Reporting Violations</b>		<b>Public/State Notification Violations</b>		<b>Treatment Technique Violations</b>	
<b>Code</b>	<b>Name</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>	<b># of Violations</b>	<b># of Water Systems with Violations</b>
51	INITIAL TAP SAMPLING (LCR)	-	-	16	10	-	-	-	-
52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	-	-	84	59	-	-	-	-
53	WATER QUALITY PARAMETER M/R (LCR)	-	-	4	3	-	-	-	-
56	INITIAL/FOLLOW-UP/ROUTINE SOWT M/R (LCR)	-	-	1	1	-	-	-	-
57	OCCT/SOWT RECOMMENDATION/STUDY (LCR)	-	-	2	2	-	-	-	-

**APPENDIX A  
VIOLATION SUMMARY INFORMATION**

58	OCCT/SOWT INSTALL DEMONSTRATION (LCR)	-	-	-	-	-	-	1	1
<b>Lead and Copper (LCR) Totals:</b>		-	-	107	73	-	-	1	1
<b>Microorganisms (MICRO)</b>									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Code	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
21	MCL (TCR), ACUTE	5	4	-	-	-	-	-	-
22	MCL (TCR), MONTHLY	33	25	-	-	-	-	-	-
23	MONITORING (TCR), ROUTINE MAJOR	-	-	233	174	-	-	-	-
24	MONITORING (TCR), ROUTINE MINOR	-	-	29	29	-	-	-	-
25	MONITORING (TCR), REPEAT MAJOR	-	-	10	10	-	-	-	-
<b>Microorganisms (MICRO) Totals:</b>		38	28	272	205	-	-	-	-
<b>Other (OTH)</b>									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Code	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
07	TREATMENT TECHNIQUES (OTHER)	-	-	-	-	-	-	1	1
<b>Other (OTH) Totals:</b>		-	-	-	-	-	-	1	1
<b>Public Notice (PN)</b>									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Code	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	-	-	-	-	4	4	-	-
76	PUBLIC NOTICE RULE NOT LINKED VIOLATION	-	-	-	-	1	1	-	-
<b>Public Notice (PN) Totals:</b>		-	-	-	-	5	5	-	-
<b>Surface Water (SW)</b>									
Violation		Maximum Contaminant Level Violations		Monitoring & Reporting Violations		Public/State Notification Violations		Treatment Technique Violations	
Code	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
36	MONITORING, RTN/RPT MAJOR (SWTR-FILTER)	-	-	47	35	-	-	-	-
	MONITORING, RTN/RPT MINOR (SWTR-FILTER)	-	-	9	6	-	-	-	-
38	MONITORING, ROUTINE (IESWTR/LT1), MAJOR	-	-	17	12	-	-	-	-
	MONITORING, ROUTINE (IESWTR/LT1), MINOR	-	-	4	4	-	-	-	-
41	RES DISINFECT CONCENTRATION (SWTR)	-	-	-	-	-	-	6	6
42	FAILURE TO FILTER (SWTR)	-	-	-	-	-	-	11	11
43	SINGLE COMB FLTR EFFLUENT (IESWTR/LT1)	-	-	-	-	-	-	7	5
44	MONTHLY COMB FLTR EFFLUENT (IESWTR/LT1)	-	-	-	-	-	-	27	10
<b>Surface Water (SW) Totals:</b>		-	-	77	44	-	-	51	27

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
CO0150100	A And B Wa Inc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	Yes
CO0160050	Alpine Village Llc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0126117	Antelope Hills Assoc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0123123	Asgard Subdivision Wa	Maximum Contaminant Level	SELENIUM	No
CO0151050	Avondale Wsd	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0221040	Bear Trap Ranch	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0135138	Berthoud Town Of	Treatment Technique	CARBON, TOTAL	Yes
CO0135143	Big Elk Meadows Wa	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0112100	Blanca Town Of	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0107152	Boulder City Of	Treatment Technique	TURBIDITY	Yes
CO0132005	Burlington City Of	Maximum Contaminant Level	NITRATE	Yes
CO0121080	Camelot Property Owner's Assoc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0247019	Camp Id Ra Ha Je	Maximum Contaminant Level	NITRATE	Yes
CO0145090	Cheraw Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0109006	Cheyenne Wells Town Of	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0234160	Claude Decker Subd Pipeline	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0225116	Climax Molybdenum Co Henderson Mill	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	Yes
CO0151200	Colorado City Md	Treatment Technique	SWTR	Yes
CO0234240	Colvig Silver Camps	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0130184	Conifer Md	Maximum Contaminant Level	TTHM	No
CO0152188	Cross L Estates	Maximum Contaminant Level	NITRATE	Yes
CO0207785	Cu Mountain Research Station	Treatment Technique	SWTR	Yes
CO0128100	Cuchara Wsd	Treatment Technique	TURBIDITY	No

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
CO0314148	Davenport Cg No 2	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0262211	Djr Well Service Inc	Maximum Contaminant Level	NITRATE	Yes
CO0117300	Dove Creek Town Of	Maximum Contaminant Level	TTHM	Yes
CO0235221	Dripping Springs Bed And Breakfast Inn	Treatment Technique	SWTR	No
CO0145120	East End Wa	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0163001	Eckley Town Of	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0134200	Edgemont Ranch Md	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0235257	Estes Park Cg At East Portal	Treatment Technique	TURBIDITY	Yes
CO0145150	Eureka Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0152105	Exxon Mobil Piceance	Maximum Contaminant Level	TTHM	No
CO0145180	Fayette Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0207139	Flatirons Baptist Church	Maximum Contaminant Level	NITRATE	Yes
CO0134300	Florida River Estates Hoa Inc	Treatment Technique	TURBIDITY	Yes
CO0208360	Four Seasons Rv Park	Maximum Contaminant Level	NITRATE	Yes
CO0145210	Fowler Town Of	Maximum Contaminant Level	NITRATE	No
			SELENIUM	No
CO0115288	Fruitland Domestic Wc	Treatment Technique	TURBIDITY	No
			CHLORINE	No
CO0139220	Gateway Canyons Ws	Maximum Contaminant Level	TTHM	Yes
CO0263299	Gaytan Water System	Maximum Contaminant Level	ARSENIC	No
CO0130035	Genesee Wsd	Treatment Technique	CARBON, TOTAL	No
		Maximum Contaminant Level	TTHM	No
CO0137005	Genoa Town Of	Treatment Technique	SWTR	No
CO0224310	Gilpin County Public	Maximum Contaminant	NITRATE	Yes

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
	Library	Level	COLIFORM (TCR)	Yes
CO0235317	Glen Echo Resort	Treatment Technique	SWTR	Yes
CO0207318	Gold Hill Elem School	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0150300	Granada Town Of	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0254182	Hahns Peak Village Hoa	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0145240	Hancock Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	Yes
			COMBINED RADIUM (-226 & -228)	Yes
CO0131600	Haswell Town Of	Maximum Contaminant Level	NITRATE	Yes
CO0214200	Hermit Basin Lodge	Treatment Technique	CHLORINE	Yes
CO0130045	Hidden Valley Mutual Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED URANIUM	No
CO0102300	High Valley Mhp	Maximum Contaminant Level	ARSENIC	Yes
			TOTAL HALOACETIC ACIDS (HAA5)	Yes
			TTHM	Yes
			COLIFORM (TCR)	No
CO0160200	Highland Lakes Wd	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0145270	Hillside Tp	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0145330	Holbrook Center Soft Wa	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0125352	Hot Sulphur Springs Town Of	Treatment Technique	CHLORINE	No
CO0107401	Jamestown Town Of	Treatment Technique	TURBIDITY	Yes
CO0201417	Johnson Auto Plaza	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0139434	Kannah Creek	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0210014	Kermits Roadhouse Inc	Treatment Technique	TURBIDITY	Yes
			SWTR	Yes
CO0138738	Kidz Ark Inc	Maximum Contaminant Level	FLUORIDE	Yes
CO0109011	Kit Carson Town Of	Maximum Contaminant	COMBINED URANIUM	No



**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
		Level		
CO0251466	Lake Pueblo State Park	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0207465	Lane Guest Ranch	Treatment Technique	TURBIDITY	Yes
CO0111700	Manassa Town Of	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0150800	May Valley Wa	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0207504	Meadow Mtn Ws	Treatment Technique	TURBIDITY	Yes
CO0207506	Meeker Park Lodge	Treatment Technique	TURBIDITY	Yes
CO0138025	Merino Town Of	Maximum Contaminant Level	COMBINED URANIUM	No
CO0210017	Mill Creek Wia	Treatment Technique	CHLORINE	No
CO0136600	Model Wa	Maximum Contaminant Level	FLUORIDE	No
CO0230518	Mountain Air Ranch	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0151350	Mountain Shadows Mobile Estates	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0130100	Mountain Wsd	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED URANIUM	No
CO0104533	Navajo River Ranch Poa	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0135538	Newell Warnock Wa	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0145630	North Holbrook Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0157500	Norwood Water Commission	Maximum Contaminant Level	TTHM	No
CO0154566	Oak Creek Town Of	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0121550	Palmer Lake Mobile Home Ranch	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0123601	Panoramic Mesa Subd	Maximum Contaminant Level	TTHM	No
CO0130115	Park Wc Wonderview	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
CO0145540	Patterson Valley Wc	Maximum Contaminant	GROSS ALPHA, EXCL.	No

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
		Level	RADON & U	
			COMBINED RADIUM (-226 & -228)	No
CO0235476	Poudre School Dist-Livermore Elementary	Treatment Technique	SWTR	No
CO0149621	Prince Creek Hoa	Treatment Technique	LEAD & COPPER RULE	Yes
CO0202666	Rakhra Mushroom Farm	Maximum Contaminant Level	ARSENIC	No
CO0238425	Ramada Inn Logan Inn	Maximum Contaminant Level	NITRATE	No
CO0118665	Ravenna Md	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0235677	Red Feather Mountain Library District	Treatment Technique	SWTR	Yes
CO0235676	Riverview Cg	Treatment Technique	CHLORINE	Yes
CO0219687	Rock Bottom Ranch	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0201685	Rocky Mountain Arsenal	Maximum Contaminant Level	TTHM	No
CO0262724	Roggen Central Food And Gas	Maximum Contaminant Level	NITRATE	No
CO0160450	Rosewood Hills Property And Home Owners	Maximum Contaminant Level	FLUORIDE	No
CO0118055	Roxborough Park Wsd	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0107702	San Souci Mhp	Treatment Technique	SWTR	No
CO0253750	Sargent Elem And New High School Re33	Maximum Contaminant Level	NITRATE	No
CO0138518	Schott Trailer Court	Maximum Contaminant Level	NITRATE	Yes
CO0118060	Sedalia Wsd	Treatment Technique	SWTR	No
		Maximum Contaminant Level	COLIFORM (TCR)	No
CO0263705	Seedorf Ws	Maximum Contaminant Level	ARSENIC	No
			NITRATE	Yes
CO0132015	Seibert Town Of	Maximum Contaminant Level	NITRATE	Yes
CO0131800	Sheridan Lake Wc	Maximum Contaminant Level	COLIFORM (TCR)	No
			COMBINED URANIUM	No
CO0251743	Signal Mountain Ranch Property Owners Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	Yes

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
CO0123710	Silt Town Of	Maximum Contaminant Level	TTHM	No
CO0145690	South Swink Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0138045	Sterling City Of	Maximum Contaminant Level	COLIFORM (TCR)	No
			COMBINED URANIUM	No
CO0224710	Sunshine Garden Country Home	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0145720	Swink Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0334730	Target Tree Cg	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0160600	Teller County Wsd	Treatment Technique		No
CO0154743	Timbers Wsd	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0223755	Trappers Lake Lodge	Treatment Technique	TURBIDITY	No
CO0154755	Tree Haus Md	Treatment Technique	SWTR	No
CO0243185	Tri State G And T Nucla Sta	Treatment Technique	TURBIDITY	No
CO0121841	Turkey Canon Ranch Wd	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED URANIUM	No
CO0105700	Two Buttes Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0223800	Valley Investment Properties	Maximum Contaminant Level	NITRATE	No
CO0145750	Valley Wc	Maximum Contaminant Level	GROSS ALPHA, EXCL. RADON & U	No
			COMBINED RADIUM (-226 & -228)	No
CO0112810	Viejo San Acacio	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0105800	Vilas Town Of	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0145780	Vroman Wc	Maximum Contaminant Level	COMBINED RADIUM (-226 & -228)	No
CO0162833	Wattenburg Improvement Assoc	Maximum Contaminant Level	NITRATE	No
CO0144032	Wayward Wind Mhp Llc	Maximum Contaminant Level	COMBINED URANIUM	No
CO0145810	West Grand Valley Wa	Maximum Contaminant	COMBINED RADIUM (-226	No

**APPENDIX B**  
**Public Water Systems with Health Based Violations**

PWS ID	Water System Name	Violation Type	Contaminant Name	Resolved as of 12/31/2010?
		Level	& -228)	
CO0118085	Westcreek Lakes Wd	Maximum Contaminant Level	FLUORIDE	No
CO0218839	Western Convenience Store	Maximum Contaminant Level	COLIFORM (TCR)	No
CO0347890	Weston Pass Cg	Maximum Contaminant Level	COLIFORM (TCR)	Yes
CO0144035	Wiggins Town Of	Maximum Contaminant Level	NITRATE	No
CO0347905	Wilkerson Pass Visitor Cntr	Maximum Contaminant Level	NITRATE	Yes
CO0254185	Xcel Energy Hayden Station	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
			TTHM	No
CO0135883	Ymca Rockies Wind River	Maximum Contaminant Level	TOTAL HALOACETIC ACIDS (HAA5)	No
CO0208960	Young Life Trail West Lodge	Maximum Contaminant Level	COLIFORM (TCR)	No