

**CALENDAR YEAR 2008**

**COLORADO DRINKING WATER  
ANNUAL COMPLIANCE REPORT**

July 1, 2009

**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 2008. 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.

## Variations 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

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.

## Significant Monitoring Violations

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

## II. Calendar Year 2008 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 2008 Report is also based on data from Colorado's production SDWIS/State database compiled in June 2009.

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 2008. 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 2008 was the first year in a three-year compliance cycle. Although the State designates a specific year for each system to conduct monitoring, the failure-to-monitor may not be reported to SDWIS/Fed as a violation until the end of the three-year cycle. For that reason, data show a decreased number of violations in the monitoring/reporting category when compared to calendar year 2007, which was the last year in a three-year compliance cycle. Refer to Table One for a summary of the MCL and the monitoring and reporting violations that were identified in calendar year 2008.

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 2008. There were 20 public water systems that failed to monitor 601 synthetic organic contaminants and 40 public water systems that failed to monitor for 1021 volatile organic compounds.

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 320 occurrences of monitoring and/or reporting violations from 24 different systems. Additionally, ten (10) systems exceeded the MCL for inorganic chemical contaminants a total of thirty-eight (38) times in 2008.

### Nitrogen Compounds:

Surface and ground water systems are required to monitor for nitrate annually and nitrite once every nine years. There were 222 occurrences of monitoring and/or reporting violations from 188 different systems. Seventeen (17) systems were identified as exceeding the nitrate MCL in calendar year 2008.

### Radionuclides:

Community water systems were required to submit radionuclide samples as requested by the division during the four-year initial monitoring period under the revised radionuclide rule. 2007 marked the end of the initial four year monitoring period. Eleven systems were newly identified as exceeding a radiological MCL in 2007. In 2008, there were thirty-nine (39) systems that exceeded a radiological MCL. Seventeen (17) systems failed to monitor for one or more radionuclides during 2008, for a total of fifty (50) 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	601	20
CHEM	Volatile Organic Contaminants (VOC)	0	0	1021	40
CHEM	Inorganic Contaminants	38	10	320	24
CHEM	Nitrate/Nitrite	23	17	222	188
CHEM	RADs	108	39	50	17
	<b>Subtotal Chem/Rads</b>	<b>169</b>	<b>65</b>	<b>2214</b>	<b>241</b>

### Coliform Bacteria Violations

A total of 2023 public water systems were required to monitor for the presence of coliform bacteria in 2008. The 2008 monitoring revealed 40 systems that detected and confirmed the presence of coliform bacteria in the water a total of 49 times. Of these 49 violations, four (4) were acute with possible immediate health threats, and 45 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 2008 calendar year, 256 systems failed to take samples representing 347 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 232 surface water and 88 groundwater-under-the-influence-of-surface-water systems active in the state in 2008, 41 systems had a total of 87 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 2008, 23 systems had significant monitoring violations for either turbidity or chlorine disinfectant residual, resulting in 60 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 1028 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 2008, four (4) systems failed to educate their customers of the potential health problems resulting from elevated lead levels. Also in the calendar year 2008, 143 systems failed to perform required lead and copper monitoring. Only violations that were either uncorrected on January 1, 2008, or that occurred in calendar year 2008 are included in the data for this report.

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

In calendar year 2008, 14 community public water systems received reporting violations for failing to submit a 2007 Consumer Confidence Report by the July 1, 2008 deadline. An additional twenty-four systems remained in violation in calendar year 2008 for failing to comply with the CCR rule in prior years, resulting in a total of 39 systems in violation of the CCR rule in 2008.

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

In calendar year 2008, 12 public water systems exceeded the MCLs for either TTHM or HAA5 a total of 26 times. There were five (5) treatment technique precursor removal violations by three (3) systems, and 152 significant monitoring/reporting violations by 88 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	49	40			347	256
RULE	SWTRs			87	41	60	23
RULE	Pb/CU rule			0	0	226	143
RULE	DBP Rule	26	12	5	3	152	88
<b>Subtotal</b>		<b>75</b>	<b>52</b>	<b>92</b>	<b>39</b>	<b>785</b>	<b>451</b>

### **III. Variances and Exemptions**

The following public water system has been granted a variance/exemption which remained in effect in 2008.

<b>PWSID</b>	<b>SYSTEM NAME</b>	<b>RULE/CONTAMINANT</b>
CO0163001	Eckley, Town of	IOC/Arsenic MCL

**IV. List of Public Water Systems that were in Violation of One or More MCLs or Treatment Techniques during Calendar Year 2008**

See Appendix B, attached. All systems that were in violation of an MCL or Treatment Technique at any time during calendar year 2008, regardless of when the violation was determined, are included in Appendix B. That is, systems that had unresolved MCL and Treatment Technique violations on January 1, 2007 are listed in Appendix B.

**V. Report Availability and Contact Information**

The 2008 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).

Inorganic Contaminants (IOC)			MCL Violations		Significant Monitoring/Reporting Violations	
SDWIS Code	Contaminant	Maximum Contaminant Level (MCL)	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
1005	ARSENIC	0.010 MG/L	21	5	25	19
1010	BARIUM	2 MG/L	0	0	23	17
1015	CADMIUM	0.005 MG/L	0	0	23	17
1020	CHROMIUM	0.1 MG/L	0	0	23	17
1024	CYANIDE	0.2 MG/L	0	0	0	0
1025	FLUORIDE	4.0 MG/L	12	3	26	20
1035	MERCURY	0.002 MG/L	0	0	24	18
1036	NICKEL	-	0	0	23	17
1038	NITRATE-NITRITE	10 MG/L	2	2	0	0
1040	NITRATE	10 MG/L	21	17	222	188
1041	NITRITE	1 MG/L	0	0	36	30
1045	SELENIUM	0.05 MG/L	5	2	23	17
1052	SODIUM	10000 MG/L	0	0	23	17
1074	ANTIMONY, TOTAL	0.006 MG/L	0	0	24	18
1075	BERYLLIUM, TOTAL	0.004 MG/L	0	0	23	17
1085	THALLIUM, TOTAL	0.002 MG/L	0	0	24	18
1094	ASBESTOS	7 MFL	0	0	0	0
<b>IOC Totals</b>			<b>61</b>	<b>27</b>	<b>542</b>	<b>212</b>



Radionuclides Contaminants (RAD)			MCL Violations		Significant Monitoring/Reporting Violations	
SDWIS Code	Contaminant	Maximum Contaminant Level (MCL)	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
4000	GROSS ALPHA, EXCL. RADON & U	15 PCI/L	17	10	13	8
4006	COMBINED URANIUM	30 UG/L	36	11	9	6
4010	COMBINED RADIUM (-226 & -228)	5 PCI/L	55	27	28	13
<b>RAD Totals</b>			<b>108</b>	<b>39</b>	<b>50</b>	<b>17</b>

Synthetic Organic Contaminants (SOC)			MCL Violations		Significant Monitoring/Reporting Violations	
SDWIS Code	Contaminant	Maximum Contaminant Level (MCL)	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
2005	ENDRIN	0.002 MG/L	0	0	19	13
2010	BHC-GAMMA	0.0002 MG/L	0	0	19	13
2015	METHOXYCHLOR	0.04 MG/L	0	0	19	13
2020	TOXAPHENE	0.003 MG/L	0	0	19	13
2031	DALAPON	0.2 MG/L	0	0	21	15
2032	DIQUAT	0.02 MG/L	0	0	19	13
2033	ENDOTHALL	0.1 MG/L	0	0	20	13
2034	GLYPHOSATE	0.7 MG/L	0	0	2	1
2035	DI(2-ETHYLHEXYL) ADIPATE	0.4 MG/L	0	0	21	15
2036	OXAMYL	0.2 MG/L	0	0	19	13
2037	SIMAZINE	0.004 MG/L	0	0	19	13
2039	DI(2-ETHYLHEXYL) PHTHALATE	0.006 MG/L	0	0	22	15
2040	PICLORAM	0.5 MG/L	0	0	19	13
2041	DINOSEB	0.007 MG/L	0	0	19	13

2042	HEXACHLOROCYCLOPENTADIENE	0.05 MG/L	0	0	21	14
2043	ALDICARB SULFOXIDE	0.004 MG/L	0	0	19	13
2044	ALDICARB SULFONE	0.002 MG/L	0	0	19	13
2046	CARBOFURAN	0.04 MG/L	0	0	19	13
2047	ALDICARB	0.003 MG/L	0	0	19	13
2050	ATRAZINE	0.003 MG/L	0	0	19	13
2051	LASSO	0.002 MG/L	0	0	19	13
2063	2,3,7,8-TCDD	0.00000003 MG/L	0	0	0	0
2065	HEPTACHLOR	0.0004 MG/L	0	0	19	13
2067	HEPTACHLOR EPOXIDE	0.0002 MG/L	0	0	19	13
2105	2,4-D	0.07 MG/L	0	0	19	13
2110	2,4,5-TP	0.05 MG/L	0	0	19	13
2274	HEXACHLOROBENZENE	0.001 MG/L	0	0	19	13
2306	BENZO(A)PYRENE	0.0002 MG/L	0	0	19	13
2326	PENTACHLOROPHENOL	0.001 MG/L	0	0	19	13
2383	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	0.0005 MG/L	0	0	19	13
2931	1,2-DIBROMO-3-CHLOROPROPANE	0.0002 MG/L	0	0	19	13
2946	Ethylene dibromide (EDB)	0.00005 MG/L	0	0	19	13
2959	Chlordane	0.00200 MG/L	0	0	19	13
<b>SOC Totals</b>			<b>0</b>	<b>0</b>	<b>601</b>	<b>20</b>

Volatile Organic Contaminants (VOC)			MCL Violations		Significant Monitoring/Reporting Violations	
SDWIS Code	Contaminant	Maximum Contaminant Level (MCL)	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
2298	BIS(2-ETHYLHEXYL) PHTHALATE	-	0	0	0	0
2378	1,2,4-TRICHLOROBENZENE	0.07 MG/L	0	0	48	35
2380	CIS-1,2-DICHLOROETHYLENE	0.07 MG/L	0	0	48	35
2955	XYLENES, TOTAL	10 MG/L	0	0	53	38
2964	DICHLOROMETHANE	0.005 MG/L	0	0	48	35
2968	O-DICHLOROBENZENE	0.6 MG/L	0	0	48	35
2969	P-DICHLOROBENZENE	0.075 MG/L	0	0	50	36
2976	VINYL CHLORIDE	0.002 MG/L	0	0	48	35
2977	1,1-DICHLOROETHYLENE	0.007 MG/L	0	0	48	35
2979	TRANS-1,2-DICHLOROETHYLENE	0.1 MG/L	0	0	48	35
2980	1,2-DICHLOROETHANE	0.005 MG/L	0	0	48	35
2981	1,1,1-TRICHLOROETHANE	0.2 MG/L	0	0	48	35
2982	CARBON TETRACHLORIDE	0.005 MG/L	0	0	48	35
2983	1,2-DICHLOROPROPANE	0.005 MG/L	0	0	48	35
2984	TRICHLOROETHYLENE	0.005 MG/L	0	0	48	35
2985	1,1,2-TRICHLOROETHANE	0.005 MG/L	0	0	48	35
2987	TETRACHLOROETHYLENE	0.005 MG/L	0	0	48	35
2989	CHLOROBENZENE	0.1 MG/L	0	0	48	35
2990	BENZENE	0.005 MG/L	0	0	48	35
2991	TOLUENE	1 MG/L	0	0	50	35
2992	ETHYLBENZENE	0.7 MG/L	0	0	52	37
2996	STYRENE	0.1 MG/L	0	0	48	35
<b>VOC Totals</b>			<b>0</b>	<b>0</b>	<b>1021</b>	<b>40</b>

Consumer Confidence Report (CCR)			
Violation Type	Violation Name	Number of Violations	Number of Water Systems in Violation
71	CCR REPORT	52	39
<b>CCR Totals</b>		<b>52</b>	<b>39</b>

Disinfection Byproducts Rule( DBP)							
Violation Type	Violation Name	Number of Violations		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of WS in Violation	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
02	MCL, AVERAGE (CHLORITE)	0					
02	MCL, AVERAGE	26					
11	MRDL (CHLORINE/CHLORAMINE)	0					
11	MRDL, MONITORING (CHL. DIOXIDE)	0					
11	MRDL, NON-ACUTE (CHL.DIOXIDE)	0					
13	MRDL, ACUTE (CHL.DIOXIDE)	0					
27	MONITORING, (DBP) (CHL. DIOXIDE)	4					
27	MONITORING, ROUTINE (DBP), MAJOR	148					
46	INADEQUATE DBP PRECURSOR REMOVAL	5					
		<b>MCLs</b>		<b>Treatment Technique</b>		<b>Significant Monitoring/Reporting</b>	
<b>DBP Totals</b>		<b>26</b>	<b>12</b>	<b>5</b>	<b>3</b>	<b>152</b>	<b>88</b>

Lead and Copper Rule( LCR)					
Violation Type	Violation Name	Number of Violations		Significant Monitoring/Reporting	
		Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
51	INITIAL TAP SAMPLING (LCR)	40			
52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	186			
58	OCCT/SOWT INSTALL DEMONSTRATION (LCR)	0			
65	PUBLIC EDUCATION (LCR)	4			
		<b>Treatment Technique</b>		<b>Significant Monitoring/Reporting</b>	
<b>LCR Totals</b>		<b>0</b>	<b>0</b>	<b>226</b>	<b>143</b>

Public Notice (PN)			
Violation Type	Violation Name	Number of Violations	Number of Water Systems in Violation
75	PUBLIC NOTICE RULE LINKED TO VIOLATION	4	2
<b>PN Totals</b>		<b>4</b>	<b>2</b>

Surface Water Treatment Rules					
Violation Type	Violation Name	Number of Violations	Number of Water Systems in Violation		
36	MONITORING, RTN/RPT MAJOR (SWTR-FILTER)	26	14		
38	MONITORING, ROUTINE (IESWTR/LT1), MAJOR	34	19		
41	RES DISINFECT CONCENTRATION (SWTR)	26	15		
41	MONTHLY COMB. FILTER EFFLUENT (SWTR)	0	0		
41	SINGLE COMB. FILTER EFFLUENT (SWTR)	0	0		
42	FAILURE TO FILTER (SWTR)	10	10		
43	SINGLE COMB FLTR EFFLUENT (IESWTR/LT1)	8	5		
44	MONTHLY COMB FLTR EFFLUENT (IESWTR/LT1)	43	20		
		Treatment Technique Violations		Significant Monitoring/Reporting Violations	
		Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
<b>SWTR Totals</b>		<b>87</b>	<b>41</b>	<b>60</b>	<b>23</b>

Total Coliform Rule (TCR)					
Violation Type	Violation Name	Number of Violations		Number of Water Systems in Violation	
21	MCL (TCR), ACUTE	4		4	
22	MCL (TCR), MONTHLY	45		36	
23	MONITORING (TCR), ROUTINE MAJOR	330		247	
25	MONITORING (TCR), REPEAT MAJOR	17		16	
		MCL		Significant Monitoring/Reporting	
		Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
TCR Totals		49	40	347	256

All Rules	MCL Violations		Treatment Technique Violations		Monitoring/Reporting Violations		Consumer Notification	
	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation	Number of Violations	Number of Water Systems in Violation
Total for All Rules	244	114	92	45	2999	656	60	45

Water System Number	Water System Name	Violation Category	Analyte Name
CO0150100	A AND B WATER ASSOCIATION, INC	MCL	COLIFORM (TCR)
CO0150100	A AND B WATER ASSOCIATION, INC	MCL	COMBINED RADIUM (-226 & -228)
CO0201002	ADAMS COUNTY PARKS	MCL	COLIFORM (TCR)
CO0102100	ALAMOSA CITY OF	MCL	ARSENIC
CO0160050	ALPINE VILLAGE LLC	MCL	COMBINED RADIUM (-226 & -228)
CO0314042	ALVARADO CG 4122	TT	DISINFECTANT CONCENTRATION-SWTR
CO0208760	AMERICAN CLASSIC INN	MCL	NITRATE
CO0346116	AMPHITHEATER CG	MCL	COLIFORM (TCR)
CO0126117	ANTELOPE HILLS ASSOCIATION	MCL	COMBINED RADIUM (-226 & -228)
CO0261002	ARICKAREE SCHOOL	MCL	ARSENIC
CO0123123	ASGARD SUBDIVISION WATER ASSOCIATION	MCL	SELENIUM
CO0225135	BAR LAZY J GUEST RANCH	MCL	COLIFORM (TCR)
CO0221040	BEAR TRAP RANCH	TT	TURBIDITY
CO0263001	BEECHER ISLAND BATTLE MEMORIAL	MCL	COLIFORM (TCR)
CO0263001	BEECHER ISLAND BATTLE MEMORIAL	TT	FAILURE TO FILTER
CO0151100	BEULAH WATER WORKS DISTRICT	TT	CARBON, TOTAL
CO0151150	BOONE TOWN OF	MCL	NITRATE
CO0207151	BOULDER JEWISH COMM CENTER-PRE SCHOOL	MCL	COLIFORM (TCR)
CO0150200	BRISTOL WSD	MCL	COLIFORM (TCR)
CO0222100	BROKEN ARROW RESORT	MCL	COLIFORM (TCR)
CO0121080	CAMELOT PROPERTY OWNER'S ASSOCIATION	MCL	COMBINED RADIUM (-226 & -228)
CO0235172	CAMP TIMBERLINE	TT	TURBIDITY
CO0210009	CDOT EISENHOWER JOHNSON TUNNEL	TT	DISINFECTANT CONCENTRATION-SWTR
CO0225116	CLIMAX MOLYBDENUM CO HENDERSON MILL	MCL	TTHM
CO0233300	CLIMAX-CLIMAX MINE	TT	TURBIDITY
CO0262177	COLORSTAR	MCL	NITRATE
CO0247438	CONEY ISLAND RESTAURANT BAILEY	TT	TURBIDITY
CO0230235	CONIFER DENTAL MEDICAL GROUP	MCL	COLIFORM (TCR)
CO0222330	CUTTYS HAYDEN CREEK RESORT	TT	TURBIDITY
CO0119233	EAGLE TOWN OF	MCL	COLIFORM (TCR)
CO0102200	EAST ALAMOSA	MCL	ARSENIC
CO0145120	EAST END WA	MCL	COMBINED RADIUM (-226 & -228)
CO0107246	ELDORADO ARTESIAN SPRING INC	MCL	COLIFORM (TCR)
CO0145150	EUREKA WC	MCL	COMBINED RADIUM (-226 & -228)
CO0145150	EUREKA WC	MCL	GROSS ALPHA, EXCL. RADON & U
CO0145180	FAYETTE WC	MCL	COMBINED RADIUM (-226 & -228)
CO0134300	FLORIDA RIVER ESTATES HOA INC	TT	TURBIDITY
CO0121250	FOREST VIEW ACRES WD	TT	DISINFECTANT CONCENTRATION-SWTR
CO0121250	FOREST VIEW ACRES WD	TT	FAILURE TO FILTER

Water System Number	Water System Name	Violation Category	Analyte Name
CO0235283	FORKS MERCHANTILE	TT	FAILURE TO FILTER
CO0235346	FORT COLLINS KOA-LAKESIDE CG	TT	TURBIDITY
CO0121275	FOUNTAIN CITY OF	MCL	COLIFORM (TCR)
CO0208360	FOUR SEASONS RV PARK	MCL	NITRATE
CO0145210	FOWLER TOWN OF	MCL	SELENIUM
CO0115288	FRUITLAND DOMESTIC WC	TT	TURBIDITY
CO0135292	FT COLLINS LOVELAND WATER DISTRICT	MCL	COLIFORM (TCR)
CO0101060	GALAMBS MHP	MCL	COLIFORM (TCR)
CO0263299	GAYTAN WATER SYSTEM	MCL	COLIFORM (TCR)
CO0224310	GILPIN COUNTY PUBLIC LIBRARY	MCL	NITRATE
CO0134840	GLACIER CLUB	TT	CARBON, TOTAL
CO0101063	GREATROCK NORTH WSD	MCL	COLIFORM (TCR)
CO0145240	HANCOCK WC	MCL	COMBINED RADIUM (-226 & -228)
CO0145240	HANCOCK WC	MCL	GROSS ALPHA, EXCL. RADON & U
CO0235506	HARVEST HOUSE RANCH	MCL	COMBINED URANIUM
CO0131600	HASWELL TOWN OF	MCL	NITRATE
CO0234340	HESPERUS OASIS QUICK STOP	MCL	COLIFORM (TCR)
CO0130045	HIDDEN VALLEY MUTUAL WC	MCL	COMBINED RADIUM (-226 & -228)
CO0102300	HIGH VALLEY MHP	MCL	ARSENIC
CO0160200	HIGHLAND LAKES WD	MCL	COLIFORM (TCR)
CO0144010	HILLROSE TOWN OF	MCL	COMBINED URANIUM
CO0145270	HILLSIDE TP	MCL	COMBINED RADIUM (-226 & -228)
CO0145270	HILLSIDE TP	MCL	GROSS ALPHA, EXCL. RADON & U
CO0145330	HOLBROOK CENTER SOFT WATER ASSOCIATION	MCL	COMBINED RADIUM (-226 & -228)
CO0125352	HOT SULPHUR SPRINGS TOWN OF	TT	TURBIDITY
CO0210014	KERMITTS	TT	FAILURE TO FILTER
CO0109011	KIT CARSON TOWN OF	MCL	COMBINED URANIUM
CO0208440	KOA BUENA VISTA	MCL	NITRATE
CO0125455	KREMMLING TOWN OF	TT	DISINFECTANT CONCENTRATION-SWTR
CO0134540	LA PLATA VISTA ESTATES HOA	TT	LEAD & COPPER RULE
CO0251466	LAKE PUEBLO	MCL	COLIFORM (TCR)
CO0207465	LANE GUEST RANCH	TT	TURBIDITY
CO0107489	LARK MEADOWS WATER ASSOCIATION	MCL	COLIFORM (TCR)
CO0118030	LARKSPUR TOWN OF	MCL	COMBINED RADIUM (-226 & -228)
CO0210015	LOVELAND BASIN SKI AREA	TT	DISINFECTANT CONCENTRATION-SWTR
CO0210016	LOVELAND VALLEY SKI AREA	TT	DISINFECTANT CONCENTRATION-SWTR
CO0107496	LYONS TOWN OF	MCL	COLIFORM (TCR)
CO0111700	MANASSA TOWN OF	MCL	COLIFORM (TCR)
CO0142700	MANCOS TOWN OF	TT	TURBIDITY
CO0107502	MAPLE GROVE WD	MCL	COLIFORM (TCR)



Water System Number	Water System Name	Violation Category	Analyte Name
CO0150800	MAY VALLEY WA	MCL	COMBINED RADIUM (-226 & -228)
CO0150800	MAY VALLEY WA	MCL	GROSS ALPHA, EXCL. RADON & U
CO0207500	MCDONALD FARMS ENTERPRISES INC	MCL	COLIFORM (TCR)
CO0207504	MEADOW MOUNTAIN WS	TT	TURBIDITY
CO0207506	MEEKER PARK LODGE	TT	FAILURE TO FILTER
CO0221301	MERIDIAN POINT CHURCH	MCL	NITRATE
CO0138025	MERINO TOWN OF	MCL	COMBINED URANIUM
CO0142750	MESA VERDE NATIONAL PARK	MCL	TTHM
CO0210017	MILL CREEK WIA	TT	DISINFECTANT CONCENTRATION-SWTR
CO0230020	MILLERCOORS LLC	MCL	COLIFORM (TCR)
CO0136600	MODEL WA	MCL	COMBINED RADIUM (-226 & -228)
CO0136600	MODEL WA	MCL	FLUORIDE
CO0125518	MORAINES PARK WS	MCL	COLIFORM (TCR)
CO0230517	MOUNTAIN PHOENIX COMMUNITY SCHOOL	MCL	NITRATE
CO0151350	MOUNTAIN SHADOWS MOBILE ESTATES	MCL	COMBINED RADIUM (-226 & -228)
CO0222600	MOUNTAIN VIEW CG	MCL	NITRATE
CO0130100	MOUNTAIN WSD	MCL	COMBINED URANIUM
CO0130100	MOUNTAIN WSD	MCL	GROSS ALPHA, EXCL. RADON & U
CO0222518	MOUNTAINDALE CG AND CABINS	MCL	COLIFORM (TCR)
CO0126507	MURDIE HOA	MCL	COLIFORM (TCR)
CO0104533	NAVAJO RIVER RANCH POA	MCL	TOTAL HALOACETIC ACIDS (HAA5)
CO0104533	NAVAJO RIVER RANCH POA	TT	TURBIDITY
CO0145630	NORTH HOLBROOK WC	MCL	COMBINED RADIUM (-226 & -228)
CO0157500	NORWOOD WATER COMMISSION	MCL	TOTAL HALOACETIC ACIDS (HAA5)
CO0157500	NORWOOD WATER COMMISSION	MCL	TTHM
CO0157500	NORWOOD WATER COMMISSION	TT	CARBON, TOTAL
CO0113500	OLNEY SPRINGS TOWN OF	MCL	COLIFORM (TCR)
CO0151400	ONEAL WS	MCL	COLIFORM (TCR)
CO0144025	PAGELS TP	MCL	COMBINED URANIUM
CO0123601	PANORAMIC MESA SUBDIVISION	MCL	TTHM
CO0130115	PARK WC WONDERVIEW	MCL	GROSS ALPHA, EXCL. RADON & U
CO0145540	PATTERSON VALLEY WC	MCL	COMBINED RADIUM (-226 & -228)
CO0145540	PATTERSON VALLEY WC	MCL	GROSS ALPHA, EXCL. RADON & U
CO0107610	PINE BROOK HILLS WD	MCL	TTHM
CO0230001	PINE COUNTRY STORE	TT	DISINFECTANT CONCENTRATION-SWTR
CO0230001	PINE COUNTRY STORE	TT	FAILURE TO FILTER
CO0230001	PINE COUNTRY STORE	TT	TURBIDITY
CO0235668	PLATTE RIVER POWER AUTHORITY	TT	DISINFECTANT CONCENTRATION-SWTR
CO0208720	PONDEROSA LODGE INC	TT	DISINFECTANT CONCENTRATION-SWTR
CO0102400	PRICE EAST ALAMOSA	MCL	ARSENIC

Water System Number	Water System Name	Violation Category	Analyte Name
CO0260600	QUAKER RIDGE CAMP	MCL	COLIFORM (TCR)
CO0253600	RAINBOW LODGE AND GROCERY INC	MCL	COLIFORM (TCR)
CO0160375	RAINBOW VALLEY WD	TT	TURBIDITY
CO0238425	RAMADA INN LOGAN INN	MCL	NITRATE
CO0119673	RED SKY RANCH	MCL	TTHM
CO0147040	REDHILL FOREST POW ACA	MCL	COMBINED RADIUM (-226 & -228)
CO0149671	REDSTONE WSD	TT	TURBIDITY
CO0235676	RIVERVIEW CG	TT	DISINFECTANT CONCENTRATION-SWTR
CO0201685	ROCKY MOUNTAIN ARSENAL	MCL	TTHM
CO0162710	ROCKY MOUNTAIN VISTA MHP	MCL	COLIFORM (TCR)
CO0262724	ROGGEN CENTRAL FOOD AND GAS	MCL	NITRATE
CO0160450	ROSEWOOD HILLS PROPERTY AND HOME OWNERS	MCL	FLUORIDE
CO0151700	RYE TOWN OF	MCL	TOTAL HALOACETIC ACIDS (HAA5)
CO0151700	RYE TOWN OF	TT	FAILURE TO FILTER
CO0107702	SAN SOUCI MHP	TT	FAILURE TO FILTER
CO0131800	SHERIDAN LAKE WC	MCL	COLIFORM (TCR)
CO0131800	SHERIDAN LAKE WC	MCL	COMBINED URANIUM
CO0262710	SIPRES LOUNGE	MCL	NITRATE
CO0253860	SOUTH FORK WATER COMPANY	TT	DISINFECTANT CONCENTRATION-SWTR
CO0253860	SOUTH FORK WATER COMPANY	TT	TURBIDITY
CO0334720	SOUTH MINERAL CG	TT	DISINFECTANT CONCENTRATION-SWTR
CO0145690	SOUTH SWINK WC	MCL	COMBINED RADIUM (-226 & -228)
CO0145690	SOUTH SWINK WC	MCL	GROSS ALPHA, EXCL. RADON & U
CO0236550	SPANISH PEAKS LANDOWNERS ASSOCIATION INC	TT	TURBIDITY
CO0138045	STERLING CITY OF	MCL	COMBINED URANIUM
CO0121800	STRATMOOR HILLS WSD	MCL	COLIFORM (TCR)
CO0233850	SUGAR LOAFIN RV CAMPGROUND	MCL	COLIFORM (TCR)
CO0145720	SWINK TOWN OF	MCL	COMBINED RADIUM (-226 & -228)
CO0219729	SYLVAN LAKE STATE PARK	TT	TURBIDITY
CO0219729	SYLVAN LAKE STATE PARK	TT	FAILURE TO FILTER
CO0157900	TELLURIDE PINES HOA	TT	TURBIDITY
CO0157800	TELLURIDE TOWN OF	TT	TURBIDITY
CO0154743	TIMBERS WSD	MCL	TOTAL HALOACETIC ACIDS (HAA5)
CO0121841	TURKEY CANON RANCH WD	MCL	COMBINED URANIUM
CO0121841	TURKEY CANON RANCH WD	MCL	GROSS ALPHA, EXCL. RADON & U
CO0114550	TV HILLS WATER LLC	MCL	COMBINED URANIUM
CO0105700	TWO BUTTES, TOWN OF	MCL	COMBINED RADIUM (-226 & -228)
CO0115784	UPPER SURFACE CREEK DOMESTIC WUA	MCL	TOTAL HALOACETIC ACIDS (HAA5)
CO0121845	US AIR FORCE ACADEMY	MCL	COLIFORM (TCR)
CO0223800	VALLEY INVESTMENT PROPERTIES	MCL	NITRATE

Water System Number	Water System Name	Violation Category	Analyte Name
CO0145750	VALLEY WC	MCL	COMBINED RADIUM (-226 & -228)
CO0134900	VAN DEN BERG MD	TT	FAILURE TO FILTER
CO0105800	VILAS TOWN OF	MCL	COLIFORM (TCR)
CO0105800	VILAS TOWN OF	MCL	COMBINED RADIUM (-226 & -228)
CO0145780	VROMAN WC	MCL	COMBINED RADIUM (-226 & -228)
CO0258003	WAGON WHEEL CONOCO CAFE	MCL	NITRATE
CO0144032	WAYWARD WIND MHP LLC	MCL	COMBINED URANIUM
CO0118085	WESTCREEK LAKES WATER DISTRICT	MCL	FLUORIDE
CO0214900	WETMORE STEAKHOUSE	MCL	COLIFORM (TCR)
CO0160800	WHISPERING PINES MOBILE HOME PARK	MCL	COMBINED RADIUM (-226 & -228)
CO0254842	WHITEMAN SCHOOL	TT	DISINFECTANT CONCENTRATION-SWTR
CO0150900	WILEY TOWN OF	MCL	COMBINED RADIUM (-226 & -228)
CO0150900	WILEY TOWN OF	MCL	GROSS ALPHA, EXCL. RADON & U
CO0347905	WILKERSON PASS VISITOR CENTER	MCL	NITRATE
CO0260975	WISHING WELL MOTEL	MCL	COLIFORM (TCR)
CO0121950	WOODMOOR WSD	MCL	COMBINED RADIUM (-226 & -228)
CO0254185	XCEL ENERGY--HAYDEN STATION	MCL	TTHM
CO0254901	YAMPA RIVER STATE PARK	MCL	NITRATE
CO0135883	YMCA ROCKIES WIND RIVER	TT	DISINFECTANT CONCENTRATION-SWTR