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The U.S. Environmental Protection Agency (EPA) developed a summary of information for each State report. For example, see the summary for the Alabama report on page B-3. A standardized format was used that includes an overall summary of the violations data specified in Section 1414 of the 1996 Safe Drinking Water Act (SDWA) Amendments (i.e., violations with respect to maximum contaminant levels (MCLs), treatment technique violations, significant monitoring and reporting requirements\*, and variance and exemptions).

The purpose of the State summaries is simply to summarize the data provided in the State reports. EPA has not interpreted the data in this section and does not pass judgement on whether the States have fully reported all violations. EPA's evaluation of the State reports and compliance and data issues is discussed as part of the findings and recommendations in Section 2.

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## VIOLATIONS FOR 1996

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MCL, treatment technique, and significant monitoring violations data were summarized into four categories:

- Violations of specific contaminant requirements.\*\*
- Violations for the Total Coliform Rule.
- Violations of the Surface Water Treatment Rule.
- Violations for the Lead and Copper Rule.

Where data for violations or systems in violation totals are not available from the State reports, data from the Federal version of the Safe Drink-

ing Water Information System (SDWIS/FED) have been included.

The numbers of violations and the numbers of individual PWSs in violation for the State were summarized for these four categories for MCL, treatment technique, and significant monitoring requirements violations.

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## 1996 TOTALS

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The total number of systems, the total number of violations reported, and the total number of PWSs in violation in 1996 are also given.

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## VARIANCES AND EXEMPTIONS

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Data on variance and exemption violations were generally not reported as very few of the States had variances or exemptions in force in 1996. Information on variance and exemption violations is summarized separately.

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## DISCUSSION

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Any additional information that is provided in the State report is summarized.

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## WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

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Available information is provided on obtaining a copy of the State or Territorial report.

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\*For this report, "significant" monitoring and reporting violations occur when a public water system (PWS) collects none of the samples or submits none of the reports required by a particular regulatory provision, or collects less than 10% of the samples or submits less than 10% of the reports required by the Surface Water Treatment Rule. A comprehensive definition of significant monitoring and reporting violations, including exceptions to the definition for the Total Coliform Rule and Lead and Copper Rule is included in the report glossary in Appendix A.

\*\*MCL and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

## State of Alabama 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	10	5			384	64*
Total Coliform Rule	37	35			70	49
Surface Water Treatment Rule			14	2	0	0
Lead and Copper Rule			0	0	20	20

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of organics (22), inorganics (37), and radionuclides (5) subtotals.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	762
Total Number of Systems in Violation	175*
Total Number of Violations	535

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

Alabama does not grant variances or exemptions to PWSs.

### DISCUSSION

General PWS inventory information is provided in Alabama's report. Alabama's Water Supply Branch conducts annual inspections of all PWSs in the State. Water supply, storage, and distribution deficiencies or inadequacies are identified and discussed. During the 1996 calendar year, Alabama reported that 79% of its PWSs were in compliance with drinking water regulations.

This page provides a summary of the data reported by the State of Alabama. EPA has not interpreted the information provided and is not commenting on whether the State of Alabama has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Alabama's State Report, including information about Alabama Public Water System Violations, is available by accessing the State's Web site at <http://www.adem.state.al.us/viorep96.html> or contacting the State at Water Supply Branch - ADEM, P.O. Box 301463, Montgomery, AL 36130, phone (334) 271-7791.

## State of Alaska 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	4	2			2,730	330
Total Coliform Rule	45	42			1,611	732
Surface Water Treatment Rule			321	90	800	163
Lead and Copper Rule			0	0	362	136

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	1,635
Total Number of Systems in Violation	1,495
Total Number of Violations	5,873

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions for Alaska PWSs. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

General PWS inventory information is provided in Alaska's report. Alaska's 1996 Annual State Public Water Systems Report has been included as part of the 1997 State of Alaska Environment Report. This report summarizes the quality of Alaska's drinking water as well as the significant public health protection and enforcement actions completed by the State from 1993-1997.

This page provides a summary of the data reported by the State of Alaska. EPA has not interpreted the information provided and is not commenting on whether the State of Alaska has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Alaska's State Report is available by accessing the State's Web site at <http://www.state.ak.us/dec/deh/drwater/dwvio96.htm> or by contacting James Weise, Drinking Water/Waste Water Program Manager, Department of Environmental Conservation, 555 Cordova Street, Anchorage, AK 99501, phone (907) 269-7647.

## American Samoa 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Total Coliform Rule	<u>79</u>	<u>10</u>			<u>47</u>	<u>15</u>
Surface Water Treatment Rule			<u>14</u>	<u>14</u>	<u>0</u>	<u>0</u>
Lead and Copper Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where data from American Samoa were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>21</u>
Total Number of Systems in Violation	<u>19</u>
Total Number of Violations	<u>140</u>

### 1996 VARIANCES AND EXEMPTIONS

SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

The American Samoa Report was not received, therefore SDWIS/FED data were used.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: American Samoa Environmental Protection Agency, Office of the Governor, Pago Pago, AS 96799, phone (684) 633-2304.

## State of Arizona 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	212	112			15,026	275
Total Coliform Rule	211	181			2,232	972
Surface Water Treatment Rule			31	10	470	62
Lead and Copper Rule			Not Available*	Not Available*	Not Available*	Not Available*

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\* "Not Available" is given in the State report summary table.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u><i>1,688</i></u>
Total Number of Systems in Violation	1,612*
Total Number of Violations	18,182

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions for Arizona PWSs. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

A summary table of State data for drinking water violations during 1996 was provided and is summarized above. The Total Coliform Rule MCL systems subtotal is greater than the numbers listed for each type of violation under the Total Coliform Rule.

This page provides a summary of the data reported by the State of Arizona. EPA has not interpreted the information provided and is not commenting on whether the State of Arizona has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Drinking Water Section, Arizona Department of Environmental Quality, 3033 N. Central, Room 200, Phoenix, AZ 85012-2809, phone (602) 270-4644.

## State of Arkansas 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	13	6*			0	0
Total Coliform Rule	81	70			439	285
Surface Water Treatment Rule			70	21	60	41
Lead and Copper Rule			0	0	2	2

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of organics (2), inorganics (2), and radionuclides (2) subtotals.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,151</u>
Total Number of Systems in Violation	423*
Total Number of Violations	665

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were issued to any PWSs in Arkansas during the calendar year 1996.

### DISCUSSION

General PWS inventory information is provided in Arkansas' report. Microbiological MCL violations were mostly among small community and non-community water systems. The systems having these violations served only 1.78% of the total population served by PWSs in Arkansas; 99.75% of the PWSs did not have an organic MCL violation; 99.92% of the PWSs did not have a nitrate MCL violation; and 99.75% of the PWSs did not exceed the radium-226/228 MCL. There were no monitoring violations for chemicals covered under Phases I, II, IIB, and V since

the Arkansas Department of Health performs monitoring of these chemicals on behalf of the PWSs.

This page provides a summary of the data reported by the State of Arkansas. EPA has not interpreted the information provided and is not commenting on whether the State of Arkansas has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Arkansas' State Report is available by accessing the State's Web site at <http://www.health.state.ar.us/eng/doe.htm> or by contacting Usman Patel at Arkansas Department of Health, Division of Engineering, 4815 West Markham, Little Rock, AR 72205-2032, phone (501) 661-2623, fax (501) 661-2032, or [upatel@mail.doh.state.ar.us](mailto:upatel@mail.doh.state.ar.us) (electronic mail).

## State of California 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	25	17*			0	0
Total Coliform Rule	340	288			470	327
Surface Water Treatment Rule			78	74	0	0
Lead and Copper Rule			0	0	0	0

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Data from the list of PWSs with violations.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	8,595
Total Number of Systems in Violation	706*
Total Number of Violations	913

\*Sum of State Systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

The California Department of Health Services did not report the issuance of any variances or exemptions into the SDWIS/FED database for calendar year 1996. However, it is the intent of the California Department of Health Services to incorporate information regarding variances and exemptions into subsequent annual reports.

### DISCUSSION

A discussion of the significance of identified violations was presented for the California population; 99.9% received drinking water that satisfied all of the primary drinking water standards for organic contaminants; approximately 99.7% received drinking water that satisfied all of the primary drinking water standards for inorganic contaminants; and approximately 97% of California's population received drinking water that satisfied the pri-

mary drinking water standards for bacteriological quality continuously throughout the year. Only 1.5% of the State population was served by PWSs that reported treatment technique violations of the Surface Water Treatment Rule. In response to the identified violations of the Safe Drinking Water Act during 1996, the Department issued 1,331 enforcement letters, 424 citations, and 41 compliance orders to the affected PWSs.

This page provides a summary of the data reported by the State of California. EPA has not interpreted the information provided and is not commenting on whether the State of California has fully reported all violations

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

California's State Report is available by accessing the State's Web site at <http://www.dhs.ca.gov/org/ps/ddwem/ddwemindex.htm> or by contacting the State at California Department of Health Services, Division of Drinking Water and Environmental Management, phone (916) 323-6111.

## State of Colorado 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	26	22			91	79
Total Coliform Rule	85	51			470	336
Surface Water Treatment Rule			65	35	42	17
Lead and Copper Rule			6	6	35	29

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	2,182
Total Number of Systems in Violation	575*
Total Number of Violations	820

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No variances were granted to Colorado PWSs during the 1996 calendar year. In Colorado there are presently two exemptions for nitrate. Both systems are on orders to provide public notice and bottled water to the affected population. One of the systems is in the process of installing the necessary treatment, and the other is evaluating the treatment options. There were no variance or exemption violations reported.

### DISCUSSION

All failure to monitor violations for chemical contaminants have been corrected, except for two which are in the Administrative Order phase of enforcement. Total Coliform Rule violations resulted in system notification, increased monitoring, and enforcement action so that samples were submitted to verify that the water continues to be safe. Surface Water Treatment Rule

monitoring violations are followed up with enforcement actions on a routine basis. All but three of the 29 PWSs with Lead and Copper monitoring violations have come into compliance with monitoring requirements. Two of these are in the process of monitoring, and the other is under enforcement action.

This page provides a summary of the data reported by the State of Colorado. EPA has not interpreted the information provided and is not commenting on whether the State of Colorado has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Colorado's State Report is available by accessing the State's Web site at <http://www.state.co.us> or by contacting the State at Compliance Monitoring-Data Management, WQCO-CMDM-B2, 4300 Cherry Creek Drive South, Denver, CO 80246-1530.

## State of Connecticut 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	17	14			258	24
Total Coliform Rule	146	80			77	57
Surface Water Treatment Rule			10	10	1	1
Lead and Copper Rule			4	4	174	163

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	4,460
Total Number of Systems in Violation	290
Total Number of Violations	687

### 1996 VARIANCES AND EXEMPTIONS

Connecticut did not grant any variances or exemptions to PWSs during 1996.

### DISCUSSION

Through technical assistance and enforcement actions, the Connecticut Water Supplies Section has been able to significantly reduce the number of community water systems having monitoring and reporting violations in recent years. The Connecticut Water Supplies Section is in the process of implementing a strategic plan that includes formalization of a technical assistance program to promote compliance.

This page provides a summary of the data reported by the State of Connecticut. EPA has not interpreted the information provided and is not commenting on whether the State of Connecticut has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Connecticut's State Report is available by contacting the State at Department of Public Health, Water Supplies Section, 450 Capitol Avenue, MS#51WAT, P.O. Box 340308, Hartford, CT 06134-0308.

## State of Delaware Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	35	16*			N/A	N/A
Total Coliform Rule	63	54**			N/A	N/A
Surface Water Treatment Rule			N/A	N/A	N/A	N/A**
Lead and Copper Rule			N/A	N/A	84	84**

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\* Data from the list of PWSs with violations.

\*\*Systems in violation for all data categories from the "Compliance Highlights" table are inconsistent with the Summary chart: Total Coliform Rule 53, Surface Water Treatment Rule 0, and Lead and Copper Rule 28.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	564
Total Number of Systems in Violation	97*
Total Number of Violations	182

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to Delaware PWSs. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

General PWS inventory information is included in Delaware's report. This report also presented data on the compliance actions taken by the State of Delaware in 1996, which included 95 notices of violation, 95 public notices, 3 administrative orders, and 6 boil water orders. Information on the population served by systems in compliance is also given in Delaware's report. Delaware's public drinking water program conducted 142 inspections, reviewed 190 plans and specifications, provided operator training to 25 people, and

provided lead and copper training to 10 people. The Delaware Office of Drinking Water conducts all the monitoring for 98% of the PWSs (10 systems conduct their own monitoring).

This page provides a summary of the data reported by the State of Delaware. EPA has not interpreted the information provided and is not commenting on whether the State of Delaware has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Delaware's State Report is available by accessing the State's Web site at <http://www.state.de.us/govern/agencies/dhss/irm/dhss.htm> or by contacting Ed Hallock or Chad Hall at the Division of Public Health, P.O. Box 639, Dover, DE 19903.

## District of Columbia 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			0	0
Total Coliform Rule	3	1			0	0
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			0	0	0	0

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>2</u>
Total Number of Systems in Violation	1
Total Number of Violations	3

Data from SDWIS/FED have been included and underlined where District data were not available.

### 1996 VARIANCES AND EXEMPTIONS

EPA has never issued any variances or exemptions to the PWSs in the District of Columbia.

### DISCUSSION

General PWS inventory information is provided in the District of Columbia's report. Information was provided from EPA Regional Office since the District of Columbia does not have primary enforcement authority.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

The District of Columbia Report is available by contacting George Rizzo, EPA, Region III, phone (215) 814-5781.

## State of Florida 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	8	8*			220	220**
Total Coliform Rule	240	223			1,184	888
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			1	1	52	52

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of organics (1), inorganics (4), and radionuclides (3) subtotals.

\*\*Sum of organics (0), inorganics (220), and radionuclides (0) subtotals.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	6,958
Total Number of Systems in Violation	1,392*
Total Number of Violations	1,705

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were granted to any Florida PWSs for the 1996 calendar year.

### DISCUSSION

Many of the violations occurred because systems failed to sample on time. The low number of Surface Water Treatment Rule violations is due to the fact that Florida State law required filtration before Federal law and Florida only has 19 surface water systems.

This page provides a summary of the data reported by the State of Florida. EPA has not interpreted the information provided and is not commenting on whether the State of Florida has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Florida's State Report Summary, State rules, forms, and drinking water inventory are available by accessing the State's Web site (<http://www.dep.state.fl.us/water/Wf/dw/dw.htm>).

## State of Georgia 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	2	2			307	285*
Total Coliform Rule	207	161			767	566
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			0	0	6	134**

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of organics (1), total trihalomethanes (0), inorganics (284), and radionuclides subtotals (0).

\*\*Sum includes 132 systems with significant noncompliance determination dates due in 1996.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>2,514</u>
Total Number of Systems in Violation	1,148*
Total Number of Violations	1,289

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

The State of Georgia does not currently grant any variances or exemptions to any PWSs.

### DISCUSSION

The majority of all Georgia PWS violations (84%) involved failure to submit a sample, or failure to report test results. There were total coliform violations in 149 community water systems serving a total of 518,623 persons, and 12 fecal coliform violations for PWSs serving a total of 2,819 people.

This page provides a summary of the data reported by the State of Georgia. EPA has not interpreted the information provided and is not commenting on whether the State of Georgia has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Georgia's State Report is available by accessing the State's Web site at <http://www.dnr.state.ga.us/dnr/environ/> or by contacting Betty Butler at Georgia Environmental Protection Division, Suite 1362, East Floyd Tower, Atlanta, GA 30334.

## Guam 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Total Coliform Rule	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Surface Water Treatment Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Lead and Copper Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where data from Guam were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>10</u>
Total Number of Systems in Violation	<u>0</u>
Total Number of Violations	<u>0</u>

### 1996 VARIANCES AND EXEMPTIONS

SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

The Guam report was not received, therefore SDWIS/FED data were used.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Guam Environmental Protection Agency, Government of Guam, P.O. Box 22439 GMF, Barrigada, GU 96921, phone (671) 472-8863.

## State of Hawaii 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			0	0
Total Coliform Rule	10	7			1	1
Surface Water Treatment Rule			128	12	4	1
Lead and Copper Rule			0	0	0	0

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	144
Total Number of Systems in Violation	20
Total Number of Violations	143

### 1996 VARIANCES AND EXEMPTIONS

There were no variances or exemptions granted for any of the State of Hawaii's PWSs for the calendar year 1996.

### DISCUSSION

The vast majority of violations in Hawaii were treatment technique violations for the Surface Water Treatment Rule. By January 1998, of the 12 systems receiving 128 treatment technique violations, 7 remain in noncompliance. One of the 7 has installed a microfiltration facility, and 5 are under enforcement actions to upgrade their water treatment plants. One system uses a "groundwater under the direct influence of surface water" source which will be replaced by a well. The number of Total Coliform Rule

violations has dropped from 25 in 1995 to 5 in 1997.

This page provides a summary of the data reported by the State of Hawaii. EPA has not interpreted the information provided and is not commenting on whether the State of Hawaii has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Hawaii's State Report is available by contacting William Wong at the Safe Drinking Water Branch, Department of Health, 919 Ala Moana Blvd., Room 300, Honolulu, HI 96814-4920, phone (808) 586-4258, fax (808) 586-4370, email (waterbill@aol.com).

## State of Idaho 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	1	1			784	625*
Total Coliform Rule	421	332			1,372	773
Surface Water Treatment Rule			336	42	0	0
Lead and Copper Rule			N/A**	N/A**	N/A** ( <u>2</u> )	N/A** ( <u>2</u> )

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of organics (17), inorganics (608), and radionuclides (0) subtotals.

\*\*The lead and copper data are not included at this time due to need for a computer update. 1996 lead and copper data will be provided with the 1997 Idaho Violations Report.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	2,018
Total Number of Systems in Violation	1,294
Total Number of Violations	2,914

### 1996 VARIANCES AND EXEMPTIONS

No information is provided on variances or exemptions granted to Idaho PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

General PWS inventory information is provided in Idaho's report. Idaho Division of Environmental Quality, in cooperation with the State's seven district health departments, provides a variety of services including working with PWSs to ensure compliance with minimum Federal requirements, conducting sampling surveys and on-site visits to prevent public health problems, reviewing PWS plans and specifications, conducting training sessions, holding public information meetings, loaning specialized monitoring equipment, publishing informational bulletins and a quarterly drinking water newsletter,

providing a coordinated training calendar, distributing a technical assistance notebook to all PWSs, and issuing monitoring waivers. Bacteriological contamination is more frequent than chemical contamination in Idaho.

This page provides a summary of the data reported by the State of Idaho. EPA has not interpreted the information provided and is not commenting on whether the State of Idaho has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Idaho's State Report is available by accessing the State's Web site (<http://www.magiclink.com/web/tmdl>), and by contacting the Idaho Division of Environmental Quality's six Regional Offices or the State's seven district health departments.

## State of Illinois 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	323*	205			4,315	221
Total Coliform Rule	158	96			639	210
Surface Water Treatment Rule			23	7	36	10
Lead and Copper Rule			19	19	148	39

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*30 of these violations are exceedances of a more stringent Illinois Health Standard, not a Federal violation.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	6,051
Total Number of Systems in Violation	480
Total Number of Violations	5,138

### 1996 VARIANCES AND EXEMPTIONS

There are no PWSs in Illinois that have received variances or exemptions during the 1996 calendar year.

### DISCUSSION

Over 89% of the population was served by Illinois community water systems that were compliant with all health standards (maximum contaminant levels, treatment techniques, or health advisories) during the calendar year of 1996. Over 96% of the population received drinking water free from the potential of acute (short-term) adverse health effects, and over 92% of the population received drinking water free from the potential of chronic (long-term) health effects.

This page provides a summary of the data reported by the State of Illinois. EPA has not interpreted the information provided and is not commenting on whether the State of Illinois has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

The Illinois State Report is available by contacting Roger Selburg, Division Manager, at the Division of Public Water Supplies, Illinois EPA, 1021 N. Grand Avenue - East, P.O. Box 19726, Springfield, IL 62794-9276, phone (217) 785-8653.

## State of Indiana 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	42	25			2,123	714
Total Coliform Rule	282	260			2,419	1,278
Surface Water Treatment Rule			6	5	8	5
Lead and Copper Rule			1	1	78	65

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>4,505</u>
Total Number of Systems in Violation	1,879
Total Number of Violations	4,959

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

Indiana did not issue any variances or exemptions during 1996 calendar year.

### DISCUSSION

In 1996, the Indiana Drinking Water Branch staff conducted 308 sanitary surveys, 62 vulnerability assessments, 59 well site surveys, 252 technical assistance visits, and 130 MCL follow-up visits. Other compliance assistance activities consist of courtesy reminder letters, monitoring waivers, and outreach. Indiana's report provides analysis of information by type of PWS.

This page provides a summary of the data reported by the State of Indiana. EPA has not interpreted the information provided and is not commenting on whether the State of Indiana has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Indiana's State Report is available by accessing the State's Web site at <http://www.ai.org/idem/owm> or by contacting the State at Indiana Department of Environmental Management, Drinking Water Branch, P.O. Box 7148, Indianapolis, IN 46207-7148.

## State of Iowa 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	68	13			54	41
Total Coliform Rule	151	126			106	43
Surface Water Treatment Rule			0*	0*	0*	0*
Lead and Copper Rule			45	45	12	12

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Iowa has no surface water systems which do not filter.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	1,939
Total Number of Systems in Violation	280
Total Number of Violations	436

### 1996 VARIANCES AND EXEMPTIONS

Iowa does not issue variances or exemptions for MCLs, treatment techniques, or monitoring and reporting requirements.

### DISCUSSION

Iowa's report includes percentages of systems in and out of compliance and information on contaminants. 92.6% of Iowa's active PWSs complied with MCLs. Of the 83 regulated contaminants, only 7 were found at levels that exceeded the MCL. 96.8% of Iowa's active PWSs complied with monitoring requirements. Enforcement action information is also presented. During the 1996 calendar year, there was 1 public notice, 8 administrative orders with penalty, 4 administrative orders without penalty, 6 referrals to the attorney general, and 11 formal notices of violation issued.

This page provides a summary of the data reported by the State of Iowa. EPA has not interpreted the information provided and is not commenting on whether the State of Iowa has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Iowa's 1996 State Annual Compliance Report is available by accessing the State's Web site at <http://www.state.ia.us/government/dnr/organiza/epd/wtrsuply/wtrsup.htm> or by contacting the Iowa Department of Natural Resources, Water Supply Section, Wallace State Office Building, 900 East Grand Avenue, Des Moines, IA 50319-0034.

## State of Kansas 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	100	49			1	1
Total Coliform Rule	86	58			121	59
Surface Water Treatment Rule			27	10	5	3
Lead and Copper Rule			6	6	17	17

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,095</u>
Total Number of Systems in Violation	181
Total Number of Violations	355

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions during the 1996 calendar year for Kansas PWSs. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

General PWS inventory data, such as source of water, is provided in Kansas' report, as well as populations affected. 99.7% of the PWSs were in compliance with the ethyl dibromide MCL. A total of 150 persons were affected by ethyl dibromide MCL violations. 97% of the PWSs were in compliance with the selenium MCL. A total of 1,150 persons were affected by selenium MCL violations. Seven PWSs were in violation of the radium MCL and one PWS failed to monitor. The population affected by radium MCL violations was 6,265 and the population affected by the PWSs that failed to sample was 32. 3.2% of the population served

by all PWSs, or 74,205 people, were affected by bacteriological MCL violations. The population affected by bacteriological monitoring violations was 19,453 or 0.8% of the population served by all PWSs.

This page provides a summary of the data reported by the State of Kansas. EPA has not interpreted the information provided and is not commenting on whether the State of Kansas has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

The Kansas State Report is available by accessing the State's Web site at <http://www.state.ks.us/public/kdhe/bow.html> or by contacting the State at Public Water Supply Section, Kansas Department of Health and Environment, Bldg. 283, Forbes Field, Topeka, KS 66620, Attn: Peter Armesto, phone (785) 296-6297.

## State of Kentucky 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	46	23			85	77
Total Coliform Rule	13	11			156	46
Surface Water Treatment Rule			50	21	45	21
Lead and Copper Rule			0	0	NR	NR

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

NR = not reported

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	718
Total Number of Systems in Violation	139
Total Number of Violations	395

### 1996 VARIANCES AND EXEMPTIONS

Kentucky has not granted any variances or exemptions to any PWSs.

### DISCUSSION

General PWS inventory information and a compliance summary are provided in Kentucky's report. There were 509 PWSs with no violations. There were 53 MCL violations. 34 PWSs had MCL violations. There were 286 significant monitoring and reporting violations. 144 PWSs had significant monitoring and reporting violations. There were 50 treatment technique violations. 21 PWSs had treatment technique violations.

This page provides a summary of the data reported by the State of Kentucky. EPA has not interpreted the information provided and is not commenting on whether the State of Kentucky has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Kentucky's State Report is available by accessing the State's Web site at <http://water.nr.state.ky.us/dow/compsum.htm> or by contacting Vicki Ray, Drinking Water Branch, Division of Water, 14 Reilly Road, Frankfort, KY 40601.

## State of Louisiana 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			0	0
Total Coliform Rule	348	262			0	0
Surface Water Treatment Rule			6	5	0	0
Lead and Copper Rule			54	54	7	7

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,965</u>
Total Number of Systems in Violation	328*
Total Number of Violations	415

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to any Louisiana PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

This page provides a summary of the data reported by the State of Louisiana. EPA has not interpreted the information provided and is not commenting on whether the State of Louisiana has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Division of Environmental and Health Services, Louisiana Department of Health and Hospitals, Office of Public Health, P.O. Box 60630, New Orleans, LA 70160, phone (504) 568-5100.

## State of Maine 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>354</u>	<u>44</u>
Total Coliform Rule	<u>272</u>	267*			<u>620</u>	601**
Surface Water Treatment Rule			NR ( <u>13</u> )	NR ( <u>13</u> )	NR ( <u>0</u> )	NR ( <u>0</u> )
Lead and Copper Rule			NR ( <u>0</u> )	0	NR ( <u>0</u> )	77***

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of acute (30) and non-acute (237) MCL.

\*\*Sum of routine (589) and major repeat (12) monitoring.

\*\*\*Sum of initial lead and copper tap monitoring/reporting (19) and follow-up or routine lead and copper tap monitoring and reporting (58).

NR - The subtotal was not reported, as it was not available from the State data system for calendar year 1996.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	1,898
Total Number of Systems in Violation	1,227*
Total Number of Violations	1,259

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No information on variances or exemptions during the 1996 calendar year for Maine PWSs was available in the State data system. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

Maine's report provides data on systems with violations, but not the number of violations. General PWS inventory data is provided in Maine's report.

This page provides a summary of the data reported by the State of Maine. EPA has not interpreted the information provided and is not commenting on whether the State of Maine has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Maine's State Report is available by accessing the State's Web site at <http://www.state.me.us/dhs/eng/water/water.htm> or by contacting the State at Drinking Water Program, 10 State House Station, Augusta, ME 04333, phone (207) 287-2070.

## State of Maryland 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	19	12			50	39
Total Coliform Rule	371	346			127	82
Surface Water Treatment Rule			96	16	0	0
Lead and Copper Rule			22	1	70	293*

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Includes 223 systems with significant noncompliance determination dates due in 1996.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u><i>3,123</i></u>
Total Number of Systems in Violation	795*
Total Number of Violations	755

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were granted to any PWSs in Maryland during the calendar year 1996.

### DISCUSSION

General PWS inventory data and violation resolution data are provided in Maryland's report. All of the 51 bacteriological health level violations occurring in 1996 were reconciled by the end of 1996. 3 out of the 16 Surface Water Treatment Rule health level violations occurring in 1996 were reconciled by the end of 1996. 81,150 people benefitted from this. 3 of the 14 nitrate health level violations were reconciled by the end of 1996. 3 of the 4 volatile organic

chemical health level violations were reconciled by the end of 1996 and 98 of the 270 lead and copper violations were reconciled.

This page provides a summary of the data reported by the State of Maryland. EPA has not interpreted the information provided and is not commenting on whether the State of Maryland has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Maryland's State Report is available by contacting Nancy Reilman at Maryland Department of the Environment, Public Drinking Water Program, 2500 Broening Highway, Baltimore, MD 21224, phone (410) 631-3729.

## State of Massachusetts 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	5	4			2,669	323
Total Coliform Rule	140	104			434	257
Surface Water Treatment Rule			60	60	1	1
Lead and Copper Rule			1	1	37	35

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	1,629
Total Number of Systems in Violation	622
Total Number of Violations	3,347

### 1996 VARIANCES AND EXEMPTIONS

There were no variances or exemptions granted to any Massachusetts PWSs during the 1996 calendar year.

### DISCUSSION

A summary table of State data for drinking water violations during 1996 was provided and is summarized above.

This page provides a summary of the data reported by the State of Massachusetts. EPA

has not interpreted the information provided and is not commenting on whether the State of Massachusetts has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. Additional information about the Massachusetts Drinking Water Program is available by accessing the State's Web site (<http://www.magnet.state.ma.us/dep/brp/>).

## State of Michigan 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	24	24			1,331	1,329
Total Coliform Rule	596	521			6,643	4,369
Surface Water Treatment Rule			14	9	0	0
Lead and Copper Rule			0	0	161	161

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	11,536
Total Number of Systems in Violation	6,413*
Total Number of Violations	8,769

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

Michigan had no PWSs under a variance or exemption during the 1996 calendar year.

### DISCUSSION

Violations data are presented in three separate tables: community, non-community, and a combined community non-community table. General PWS inventory information is provided. Approximately 95% of the total violations recorded in Michigan in 1996 are from non-community water systems.

This page provides a summary of the data reported by the State of Michigan. EPA has not interpreted the information provided and is not commenting on whether the State of Michigan has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Michigan's State Report is available by accessing the State's Web site at <http://www.deq.state.mi.us/dwr> or by contacting the State at Michigan Department of Environmental Quality, Drinking Water & Radiological Protection Division, Lansing, MI 48909-8130.

## State of Minnesota 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	26	26			8	7
Total Coliform Rule	217	217			74	64
Surface Water Treatment Rule			137	28	0	0
Lead and Copper Rule			0	0	9	64

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u><i>8,222</i></u>
Total Number of Systems in Violation	406
Total Number of Violations	471

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

There were no variances or exemptions granted to any Minnesota PWSs during the 1996 calendar year.

### DISCUSSION

A summary table of State data for drinking water violations during 1996 was provided and is summarized above.

This page provides a summary of the data reported by the State of Minnesota. EPA has

not interpreted the information provided and is not commenting on whether the State of Minnesota has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Minnesota's State Report is available by contacting the State at Minnesota Department of Health, P.O. Box 64975, St. Paul, MN 55164-0975, Attention: Dennis E. Maki, phone (617) 215-0756 or by contacting Dennis E. Maki via electronic mail (dennis.maki@health.state.mn.us).

## State of Mississippi 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			<u>1</u>	<u>1</u>
Total Coliform Rule	66	63			89	83
Surface Water Treatment Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Lead and Copper Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,550</u>
Total Number of Systems in Violation	147*
Total Number of Violations	156

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

The Mississippi Division of Water Supply has never granted a variance or exemption to any PWS.

### DISCUSSION

General PWS inventory data is provided in Mississippi's report.

This page provides a summary of the data reported by the State of Mississippi. EPA has not interpreted the information provided and is not commenting on whether the State of Mississippi has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Mississippi's State Report is available by accessing the State's Web site at <http://www.msdh.state.ms.us/OHR/watersup/wshome.htm> or by contacting the Mississippi State Department of Health, Water Supply Division, P.O. Box 1700, Jackson, MS 39215-1700.

## State of Missouri 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	11	<u>7</u>			363	<u>51</u>
Total Coliform Rule	424	<u>331</u>			1,372	<u>707</u>
Surface Water Treatment Rule			1	<u>1</u>	0	0
Lead and Copper Rule			0	<u>0</u>	18	<u>18</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	2,667
Total Number of Systems in Violation	1,207*
Total Number of Violations	2,189

\*Sum of systems with monitoring (924) and MCL/TT (283) violations potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

Exemptions from the atrazine MCL, originally granted for 10 PWSs in 1995 continue to be in effect for nine of those PWSs in 1996. No variances were granted for any Missouri PWSs during the 1996 calendar year. There were no variance or exemption violations in 1996.

### DISCUSSION

No data on numbers of Systems in were provided; however the report contains a list of PWSs with violations. General PWS inventory data are provided in Missouri's report.

This page provides a summary of the data reported by the State of Missouri. EPA has not interpreted the information provided and is not commenting on whether the State of Missouri has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

To obtain a copy of Missouri's State Report or additional information regarding Missouri's PWSs contact the Missouri Department of Natural Resources, Public Drinking Water Program, P.O. Box 176, Jefferson City, MO 65102, phone (573) 751-5331.

## State of Montana 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	34	19			682	566*
Total Coliform Rule	51	51			2,096	709
Surface Water Treatment Rule			127	32	214	22
Lead and Copper Rule			114	114	260	238

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of the Phase 2 and Phase 5 Rules (251) total and the radionuclides (315) subtotal.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,882</u>
Total Number of Systems in Violation	1,751*
Total Number of Violations	3,578

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No violations of variances or exemptions were recorded for Montana PWSs during the 1996 calendar year.

### DISCUSSION

Enforcement data and a Discussion of water sources, regulations and enforcement, and general PWS inventory data are provided in Montana's report. The State PWS Section has worked with the State Department of Environmental Quality Enforcement Division when necessary to address more difficult compliance problems through formal enforcement actions.

This page provides a summary of the data reported by the State of Montana. EPA has not interpreted the information provided and is not commenting on whether the State of Montana has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Montana's State Report is available on the Montana Department of Environmental Quality's Web site at <http://www.deq.mt.gov> or by contacting the State at Montana Department of Environmental Quality, Box 200901, Helena, MT 59620-0901.

## State of Nebraska 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	32	25			0	0
Total Coliform Rule	178	128			140	105
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			0	0	1	1

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u><i>1,403</i></u>
Total Number of Systems in Violation	259
Total Number of Violations	350

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to any Nebraska PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

General PWS inventory information is provided in Nebraska's report. In 1996, the Nebraska Public Water Supply Program issued 21 administrative orders to PWSs in Nebraska. A description of additional compliance assistance activities of the Nebraska Public Water Supply Program is provided. A listing of formal enforcement actions is also included.

This page provides a summary of the data reported by the State of Nebraska. EPA has not interpreted the information provided and is not commenting on whether the State of Nebraska has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Nebraska's State Report is available by accessing the State's Web site (<http://www.hhs.state.ne.us>).

## State of Nevada 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	10	10			45	45
Total Coliform Rule	22	21			99	87
Surface Water Treatment Rule			19	19	0	0
Lead and Copper Rule			0	0	346	173

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>675</u>
Total Number of Systems in Violation	355*
Total Number of Violations	541

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were granted or in effect for any Nevada PWSs during calendar year 1996.

### DISCUSSION

General PWS inventory information is provided. Analysis of violations data is provided by type of violation.

This page provides a summary of the data reported by the State of Nevada. EPA has not

interpreted the information provided and is not commenting on whether the State of Nevada has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Nevada's State Report is available through Larry Rountree at the Nevada State Health Division Office, 1179 Fairview Drive, Carson City, NV 89710. It is also available at county libraries throughout the State.

## State of New Hampshire 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	23	19			1,898	148
Total Coliform Rule	256	206			223	157
Surface Water Treatment Rule			13	10	126	26
Lead and Copper Rule			0	0	13	13

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>2,071</u>
Total Number of Systems in Violation	398
Total Number of Violations	2,552

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to any New Hampshire PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

Analysis of violations data is provided by PWS type in New Hampshire's State report. The report was based on data from the New Hampshire WSEB Database.

This page provides a summary of the data reported by the State of New Hampshire. EPA has not interpreted the information provided and is not commenting on whether the State of New Hampshire has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

New Hampshire's State Report is available by accessing the State's Web site at <http://www.state.nh.us/> or by contacting Laurie K. Cullerot at Department of Environmental Services, Water Supply Engineering Bureau, 6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095.

# State of New Jersey 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	48	<u>35</u>			13,974	<u>1,455</u>
Total Coliform Rule	172	115			2,805	1,384
Surface Water Treatment Rule			15	4	2	2
Lead and Copper Rule			3	3	80	28

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

## 1996 TOTALS

Total Number of Regulated Systems	4,740
Total Number of Systems in Violation	3,026*
Total Number of Violations	17,099

\*Sum of State systems in violation potentially contains double counting.

## 1996 VARIANCES AND EXEMPTIONS

The New Jersey Bureau of Safe Drinking Water did not issue any variances or exemptions to any PWS during the 1996 calendar year.

## DISCUSSION

General PWS inventory information is provided in New Jersey's report. New Jersey regulates five volatile organic compounds in addition to those covered by Federal regulations. New Jersey also set standards (MCLs) that are more stringent than the Federal standards on 12 of the Federally regulated volatile organic compounds. Both the additional regulated contaminants and the more stringent MCLs are listed on page 21 of the 1996 New Jersey report.

This page provides a summary of the data reported by the State of New Jersey. EPA has not interpreted the information provided and is not commenting on whether the State of New Jersey has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Copies of the complete New Jersey Drinking Water Standards chart, and/or a copy of the 1996 New Jersey State Report is available by contacting the State at New Jersey Department of Environmental Protection, Bureau of Safe Drinking Water, P.O. Box 426, Trenton, NJ 08625-0426. The report is also available at all county libraries, college and local libraries, and in the April 1998 issue of Pipeline, a quarterly publication of the NJ AWWA.

## State of New Mexico 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	1	1			0	0
Total Coliform Rule	77	68			146	105
Surface Water Treatment Rule			13	7	2	2
Lead and Copper Rule			0	0	3	3

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,266</u>
Total Number of Systems in Violation	186*
Total Number of Violations	242

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were issued by New Mexico to any PWSs during the 1996 calendar year.

### DISCUSSION

Analysis of violations data is provided by PWS type, PWS size, and population served in New Mexico's State Report. Sources of inaccuracy in the data are also discussed. Possible sources of data inaccuracy are: failure of New Mexico Environmental Department staff to accurately record violations, especially in the chemical rules; lack of standardized methods for the exchanging of data between labs, field offices, water systems, and the central office; lack of

electronic transfer methods to EPA for chemical data.

This page provides a summary of the data reported by the State of New Mexico. EPA has not interpreted the information provided and is not commenting on whether the State of New Mexico has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Drinking Water Bureau, New Mexico Environment Department, 525 Camino De Los Marquez, Suite 4, Santa Fe, NM 87501, phone (505) 827-7536.

## State of New York 1996 Annual Public Water System Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	31	11			357	353
Total Coliform Rule	160	137*			1,312	790
Surface Water Treatment Rule			125	94	9	9
Lead and Copper Rule			9	9**	44	43***

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of acute (52) and non-acute (85) MCL.

\*\*Sum of treatment installation (5) and public education (4).

\*\*\*Sum of initial lead and copper tap monitoring/reporting (3) and follow-up or routine lead and copper tap monitoring and reporting (40).

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u><b>9,129</b></u>
Total Number of Systems in Violation	1,449*
Total Number of Violations	2,021

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

Exemptions have been issued to New York PWSs under the Surface Water Treatment Rule. A list of these systems is provided in New York's State Report. There were no variances granted to any New York PWSs during the 1996 calendar year. There is no record of variance or exemption violations in 1996.

### DISCUSSION

A summary table of State data for drinking water violations during 1996 was provided and is summarized above.

This page provides a summary of the data reported by the State of New York. EPA has not interpreted the information provided and is not commenting on whether the State of New York has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

New York's State Report is available by accessing the State's Web site at <http://www.health.state.ny.us> or by contacting the State at BPWSP - NYSDOH, 1215 Western Ave., Albany, NY 12203.

# State of North Carolina 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	17	16			20,690	<u>484</u>
Total Coliform Rule	201	184			776	463
Surface Water Treatment Rule			8	8	0	0
Lead and Copper Rule			1	1	60	60

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

## 1996 TOTALS

Total Number of Regulated Systems	8,244
Total Number of Systems in Violation	1,216*
Total Number of Violations	21,753

\*Sum of State systems in violation potentially contains double counting.

## 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to any North Carolina PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

## DISCUSSION

State data was reported in addition to SDWIS/FED data in North Carolina's State report. General PWS inventory information is also provided.

This page provides a summary of the data reported by the State of North Carolina. EPA

has not interpreted the information provided and is not commenting on whether the State of North Carolina has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Public Water Supply Section, Department of Environment and Natural Resources, P.O. Box 29536, Raleigh, NC 27626-0536, phone (919) 733-2321.

# State of North Dakota 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	10	10			1	1
Total Coliform Rule	60	47			138	102
Surface Water Treatment Rule			6	3	2	2
Lead and Copper Rule			0	0	6	6

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

## 1996 TOTALS

Total Number of Regulated Systems	604
Total Number of Systems in Violation	171*
Total Number of Violations	223

\*Sum of State systems in violation potentially contains double counting.

## 1996 VARIANCES AND EXEMPTIONS

North Dakota had no PWSs operating under a variance or exemption during the 1996 calendar year.

## DISCUSSION

General PWS inventory information is provided in North Dakota's report. Data on the percentage of systems with no violations by PWS type is also provided. 97% of the community water systems and 100% of non-transient non-community water systems had no organic MCL violations. 100% of the community water systems and non-transient non-community water systems had no organic, inorganic, or radionuclide monitoring violations and no radionuclide MCL violations. 99.6% of transient non-community water systems had no inorganic monitoring violations and 98.8% had no inorganic MCL violations. 98.1% of the community water systems had no inorganic MCL violations. 92.1% of the community water systems, 94.1% of the non-transient non-community water

systems, and 95.2% of the transient non-community water systems had no MCL violations of the Total Coliform Rule. 82.1% of community water systems, 88.2% of non-transient non-community water systems, and 84.1% of transient non-community water systems had no monitoring violations for the Total Coliform Rule. 95% of the community water systems and 80% of the non-transient non-community water systems had no treatment technique violations for the Surface Water Treatment Rule. 95% community water systems and 90% non-transient non-community water systems had no Surface Water Treatment Rule monitoring violations. 98.7% of the community water systems had no monitoring violations for the Lead and Copper Rule. Annually, approximately 400 of the 604 total PWSs are issued Certificates of Compliance for maintaining full compliance.

This page provides a summary of the data reported by the State of North Dakota. EPA has not interpreted the information provided and is not commenting on whether the State of North Dakota has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

North Dakota's State Report is available by contacting the State at North Dakota Department of Health, Division of Municipal Facilities, P.O. Box 5520, 1200 Missouri Avenue, Bismark, ND 58506-5520, Attention: Jeni Walsh or Attention: Larry Thelen, phone (701) 328-5231 and phone (701) 328-5211, fax (701) 328-5200.

## Northern Mariana Islands 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Total Coliform Rule	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Surface Water Treatment Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Lead and Copper Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where data from the Northern Mariana Islands were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>3</u>
Total Number of Systems in Violation	<u>0</u>
Total Number of Violations	<u>0</u>

### 1996 VARIANCES AND EXEMPTIONS

SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

The Northern Mariana Islands report was not received, therefore SDWIS/FED data were used.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information may be obtained from: Division of Environmental Quality, Commonwealth of the Northern Mariana Islands, Post Office Box 1304, Saipan, MP 96950, phone (670) 234-6114.

## State of Ohio 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	14	8			11,314	1,863
Total Coliform Rule	1,758	868			3,277	2,023
Surface Water Treatment Rule			280	49	26	7
Lead and Copper Rule			1	1	224	224

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	6,193
Total Number of Systems in Violation	3,084
Total Number of Violations	16,894

### 1996 VARIANCES AND EXEMPTIONS

There were no variances or exemptions granted to any Ohio PWSs during the 1996 calendar year.

### DISCUSSION

General PWS inventory information and compliance assistance information is provided in Ohio's report. Ohio's Compliance Assistance includes: providing a sampling and monitoring schedule for each PWS; offering technical assistance during facility inspections (sanitary surveys) and all office hours; distributing a divisional newsletter to all PWSs; providing operator and laboratory personnel training sessions; distributing reminder postcards and/or contacting the PWSs towards the end of the monitoring periods to ensure collection of the

required samples; and providing notice of violation letters for failure to meet the requirements of any of the specific regulations.

This page provides a summary of the data reported by the State of Ohio. EPA has not interpreted the information provided and is not commenting on whether the State of Ohio has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Ohio's State Report is available by accessing the State's Web site at <http://www.epa.state.oh.us/ddagw/annualreports.html> or contacting the State at PWS Annual Compliance Report, Ohio EPA - DDAGW, P.O. Box 1049, Columbus, OH 43216-0149.

## State of Oklahoma 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	156	58*			0	0
Total Coliform Rule	156	127			316	191
Surface Water Treatment Rule			153	52	3	3
Lead and Copper Rule			0	0	NR	760**

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of the organics (7), inorganics (51), and radionuclides (0) subtotals.

\*\*There were 760 systems with significant noncompliance determinations due in 1996.

NR = not reported

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,672</u>
Total Number of Systems in Violation	1,191*
Total Number of Violations	784

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

The Oklahoma Department of Environmental Quality does not have any PWSs which have been granted variances or exemptions.

### DISCUSSION

Information on water sources is provided in the State report.

This page provides a summary of the data reported by the State of Oklahoma. EPA has not interpreted the information provided and is not

commenting on whether the State of Oklahoma has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Oklahoma's State Report is available by accessing the State's Web site at <http://www.deq.state.ok.us> or by contacting the State at Oklahoma Department of Environmental Quality office at 1000 NE 10<sup>th</sup> Street, Oklahoma City, OK.

# State of Oregon 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	6	6			1,008	1,006
Total Coliform Rule	247	195			2,352	1,176
Surface Water Treatment Rule			291	106	453	101
Lead and Copper Rule			0	0	NR	151

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

NR = not reported

## 1996 TOTALS

Total Number of Regulated Systems	<b><i>2,630</i></b>
Total Number of Systems in Violation	2,741*
Total Number of Violations	4,357

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

## 1996 VARIANCES AND EXEMPTIONS

Oregon issued no variances or exemptions during 1996, electing instead to pursue corrective actions through enforcement actions.

## DISCUSSION

General PWS inventory information is provided in Oregon's report. During 1996, Oregon issued 65 Administrative Orders and 15 Notices of Violation for high priority violations of standards, primarily for coliform and nitrate MCL violations, surface water treatment violations, and repeated failures to sample and report results. The Oregon Health Division received evidence of 365 notifications to water users from water suppliers.

This page provides a summary of the data reported by the State of Oregon. EPA has not interpreted the information provided and is not commenting on whether the State of Oregon has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Oregon's State Report is available by accessing the State's Web site at <http://www.ohd.hr.state.or.us/cehs/dwp> or by contacting Diane Weis at the Oregon Health Division, 800 NE Oregon Street, Portland, OR 97232.

## State of Pennsylvania 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	125	102			7,527	1,099
Total Coliform Rule	312	225			1,800	1,270
Surface Water Treatment Rule			117	28	264	54
Lead and Copper Rule			5	5	249	216

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>10,249</u>
Total Number of Systems in Violation	2,639
Total Number of Violations	9,841

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions were in effect for any of the Pennsylvania PWSs during the 1996 report period.

### DISCUSSION

This report also presented data on the compliance actions taken by the State of Pennsylvania in 1996, which included 6,081 compliance letters, 43 consent and administrative orders, and 251 water advisories. Violation data and system compliance rates are also analyzed by PWS size and type. For the community water systems 77.4% of small systems, 84.9% of medium systems, and 90% of large systems were in compliance for monitoring and reporting. 97% of small community water systems, 97.5% of medium community water systems, and 100% of large community water systems were in compliance for MCLs. Also for community water systems, 99.5% of small systems, 97.2% of medium systems, and 90% of large

systems were in compliance with treatment techniques.

Pennsylvania uses an intricate computerized violation determination procedure which identifies potential violations for investigation and verification. This process assists Pennsylvania in the measurement of drinking water compliance, and is reflected in part by the number of violations and amount of compliance activity data being reported.

This page provides a summary of the data reported by the State of Pennsylvania. EPA has not interpreted the information provided and is not commenting on whether the State of Pennsylvania has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Pennsylvania's State Report is available by accessing the State's Web site at <http://www.dep.state.pa.us> or by contacting the State at (717) 772-4018.

## Puerto Rico 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	12	7*			171	14**
Total Coliform Rule	1,079	390***			1,657	248
Surface Water Treatment Rule			344	193	1,096	135
Lead and Copper Rule			7	7	56	47****

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of inorganic (0), nitrate (2), VOC (3), TTHM (2), and SOC (0) subtotals.

\*\*Sum of inorganic (0), nitrate (8), VOC (3), TTHM (0), and SOC (3) subtotals.

\*\*\*Sum of acute (208) and Non-acute (182) MCL.

\*\*\*\*Sum of initial lead and copper tap monitoring and reporting (1) and follow-up or routine lead and copper tap monitoring and reporting (46).

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	489
Total Number of Systems in Violation	1,041*
Total Number of Violations	4,422

\* Sum of systems in violation contains double counting.

### 1996 Variances and Exemptions

No variances or exemptions were granted to any PWSs in Puerto Rico during the 1996 calendar year.

### DISCUSSION

A summary table of Commonwealth data for drinking water violations during 1996 was provided and is summarized above. During the 1996 calendar year, there were no significant violations for inorganic contaminants, except for nitrates. For the systems in noncompliance with the MCL for nitrate a Notice of Violation and Administrative Order was issued. Closure Orders were issued to two systems with viola-

tions of the MCLs for tetrachloroethane and trichloroethane. In all systems that presented violations for the group of contaminants regulated in drinking water, a Boil Water Order, Violation Notification and/or State and Federal Administrative Orders have been issued. In response to these actions, systems have been taken out of operation, systems have been replaced, or have been placed under corrective action plans to reach compliance.

This page provides a summary of the data reported by Puerto Rico. EPA has not interpreted the information provided and is not commenting on whether Puerto Rico has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

Puerto Rico's Report is available by contacting Mrs. Olga I. Rivera, Puerto Rico Department of Health, Water Supply Supervision Program, P.O. Box 70184, San Juan, PR 00936.

## State of Rhode Island 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	3	1			5	5
Total Coliform Rule	40	31			6	6
Surface Water Treatment Rule			2	2	0	0
Lead and Copper Rule			0	0	1	1

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>451</u>
Total Number of Systems in Violation	46
Total Number of Violations	57

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

There were no variances or exemptions granted to any Rhode Island PWSs during the 1996 calendar year.

### DISCUSSION

General PWS inventory information is provided in Rhode Island's report. A trend analysis is illustrated in Rhode Island's State report based on its drinking water performance indicator. The performance indicator is the sum of population served and days in compliance with MCLs and treatment technique divided by the sum of population served and the total days in operation. The indicator values were given from 1991 to 1996, with 1996 being the largest value of 0.993.

This page provides a summary of the data reported by the State of Rhode Island. EPA has not interpreted the information provided and is not commenting on whether the State of Rhode Island has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Additional information about Rhode Island's drinking water program is available on the State's Web site at <http://www.health.state.ri.us> or by contacting the Rhode Island Department of Health, Office of Drinking Water Quality, 3 Capitol Hill, Room 209, Providence, RI 02908, phone (401) 222-6867.

# State of South Carolina 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	11	6			0	0
Total Coliform Rule	52	44			247	130
Surface Water Treatment Rule			13	12	0	0
Lead and Copper Rule			23	23	42	28

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

## 1996 TOTALS

Total Number of Regulated Systems	<u>1,526</u>
Total Number of Systems in Violation	230
Total Number of Violations	388

Data from SDWIS/FED have been included and underlined where the State data were not available.

## 1996 VARIANCES AND EXEMPTIONS

South Carolina did not grant any variances or exemptions to any PWSs during the 1996 calendar year.

## DISCUSSION

South Carolina's State Report included general PWS inventory information. The report also included information on how and why the report was created, general inventory information on PWSs in South Carolina, information on the compliance and enforcement process, and statistics and conclusions drawn from the data in the report. During the calendar year 1996, 230 Federally-defined PWSs, or approximately 7% of the total number of systems, had at least one violation. This means that approximately 93% of South Carolina's PWSs were in compliance with all drinking water regulations.

This page provides a summary of the data reported by the State of South Carolina. EPA has not interpreted the information provided and is not commenting on whether the State of South Carolina has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

South Carolina's State Report is available by accessing the State's Web site at <http://www.state.sc.us/dhec/eqchome.htm> or <http://www.state.sc.us/dhec/bow1996.exe>, by contacting the State at SCDHEC - Bureau of Water, 2600 Bull Street, Columbia, SC 29201, Attention: Angela G. Mettlen, or by contacting Angela G. Mettlen at (803) 734-5326 or [mettleag@columb32.dhec.state.sc.us](mailto:mettleag@columb32.dhec.state.sc.us) (electronic mail).

## State of South Dakota 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	53	<u>18</u>			891	<u>83</u>
Total Coliform Rule	135	95*			392	188
Surface Water Treatment Rule			19	5	0	0
Lead and Copper Rule			0	0	66	160**

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of acute (11) and non-acute (84) MCL.

\*\*Sum of initial lead and copper tap monitoring and reporting (94) and follow-up or routine lead and copper tap monitoring and reporting (66). The significant noncompliance determinations were due for 94 systems in 1996.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>751</u>
Total Number of Systems in Violation	549*
Total Number of Violations	1,556

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions have been issued to any PWSs in South Dakota.

### DISCUSSION

General PWS inventory information is provided.

This page provides a summary of the data reported by the State of South Dakota. EPA has not interpreted the information provided and is not commenting on whether the State of South Dakota has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

South Dakota's State Report is available by accessing the State's Web site at <http://www.state.sd.us/state/executive/denr/des/drinking/dwprg.htm> or by contacting the State at DENR, Drinking Water Program, 523 E. Capitol St., Pierre, SD 57501-3181.

# State of Tennessee 1996 Annual State Public Water Systems Report

## VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	1	1			248	76
Total Coliform Rule	43	38			163	118
Surface Water Treatment Rule			261	30	5	4
Lead and Copper Rule			0	0	8	8

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

## 1996 TOTALS

Total Number of Regulated Systems	<u>1,059</u>
Total Number of Systems in Violation	262
Total Number of Violations	731

Data from SDWIS/FED have been included and underlined where the State data were not available.

## 1996 VARIANCES AND EXEMPTIONS

Tennessee does not grant variances or exemptions to PWSs.

## DISCUSSION

Tables showing PWSs with violations along with the dates the violation occurred and the county where the PWS is located are provided in the Tennessee State Report.

This page provides a summary of the data reported by the State of Tennessee. EPA has not interpreted the information provided and is not commenting on whether the State of Tennessee has fully reported all violations.

## WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Tennessee's State Report is available by contacting the Division Water Supply Central Office

at: Division of Water Supply - Central Office, 401 Church Street, 6<sup>th</sup> Floor, L&C Tower, Nashville, TN 37423-1549, phone (615) 532-0152; or any of the six field offices: Division of Water Supply, Suite 550-State Office Building, 540 McCallie Avenue, Chattanooga, TN 37402-2013, phone (423) 634-5745; Division of Water Supply, 1221 South Willow, Cookeville, TN 38502, phone (931) 432-4015; Division of Water Supply, 362 Carriage House Drive, Jackson, TN 38305-2222, phone (901) 661-6200; Division of Water Supply 2305 Silverdale Road, Johnson City, TN 37601-2162, phone (423) 854-5400; Division of Water Supply, Suite 220-State Plaza, 2700 Middlebrook Pike, Knoxville, TN 37219, phone (423) 594-6035; Division of Water Supply, 537 Brick Church Park Drive, Nashville, TN 37243-1550, phone (615) 226-6918. Copies of Tennessee's State Report are also located in each county health department and in most public libraries in Tennessee.

## State of Texas 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	185	164			N/A	N/A
Total Coliform Rule	269	235			602	401
Surface Water Treatment Rule			49	25	210	31
Lead and Copper Rule			4	4	36	36

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

N/A - Not applicable, since in Texas, most of the chemical monitoring is conducted by the State.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	6,658
Total Number of Systems in Violation	896*
Total Number of Violations	1,355

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions have been granted to any Texas PWSs.

### DISCUSSION

General PWS inventory information and general compliance information is provided in Texas' report. In Texas, most of the chemical monitoring is conducted by the State. In 1996, 94.2% of all Texas PWSs were in compliance with the Federal and State laws governing drinking water quality.

This page provides a summary of the data reported by the State of Texas. EPA has not interpreted the information provided and is not commenting on whether the State of Texas has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

A specific source for obtaining a copy of this report has not been provided. General information on its availability may be obtained from: Water Utilities Division, Texas Natural Resource Conservation Commission, P.O. Box 13087, Austin, TX 78711-3087, phone (512) 239-6020.

## State of Utah 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>1,206</u>	<u>113</u>
Total Coliform Rule	<u>97</u>	<u>72</u>			<u>285</u>	<u>213</u>
Surface Water Treatment Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Lead and Copper Rule			<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	963
Total Number of Systems in Violation	<u>338</u>
Total Number of Violations	<u>1,588</u>

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions during the 1996 calendar year for Utah PWSs. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

The data table provided did not provide violations or system data; therefore, SDWIS/FED data were used.

This page provides a summary of the data reported by the State of Utah. EPA has not interpreted the information provided and is not commenting on whether the State of Utah has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Utah's State Report is available by contacting the State at Utah Division of Drinking Water, P.O. Box 144830, Salt Lake City, UT 84114-4830, Attention: Ken Bousfield, phone (801) 536-4207.

## State of Vermont 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	6	6			126	117
Total Coliform Rule	133	88			237	145
Surface Water Treatment Rule			20	20	0	0
Lead and Copper Rule			3	3	109	109

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	1,270
Total Number of Systems in Violation	488
Total Number of Violations	634

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions have been granted to any Vermont PWSs.

### DISCUSSION

General PWS inventory information is provided in Vermont's report.

This page provides a summary of the data reported by the State of Vermont. EPA has not

interpreted the information provided and is not commenting on whether the State of Vermont has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Vermont's State Report is available by contacting the State at Water Supply Division, 103 S. Main St, Waterbury, VT 05671-0403, phone (802) 241-3400.

## Virgin Islands 1996 Annual Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			0	0
Total Coliform Rule	106	88*			110	54*
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			0	0	0	0

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*There were 12 PWSs which had both MCL violations and monitoring violations in 1996.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>305</u>
Total Number of Systems in Violation	130*
Total Number of Violations	216

\*Sum of State systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where data from the Virgin Islands were not available.

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions have been granted to any PWSs in the Virgin Islands.

### DISCUSSION

A table of data for drinking water violations during 1996 was provided and is summarized above. Approximately 8.75% of PWSs in violation were for not monitoring for biological contaminants (total coliform) or for failing to properly report their monitoring data. Approximately 14% of the PWSs in the Virgin Islands had at least one month during 1996 in which they had at least two water samples test positive for total coliform.

This page provides a summary of the data reported by the Virgin Islands. EPA has not interpreted the information provided and is not commenting on whether the Virgin Islands has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL PUBLIC WATER SYSTEMS REPORT

The Virgin Islands Report can be obtained by contacting Austin Moorehead, Director, Division of Environmental Protection, Virgin Islands Department of Planning and Natural Resources, Building 111, Apartment 114, Watergut Homes, Christiansted, St. Croix, USVI, 00820, phone (340) 775-0565.

## State of Virginia 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	18	<u>11</u>			23	<u>21</u>
Total Coliform Rule	197	166			519	311
Surface Water Treatment Rule			4	4	0	0
Lead and Copper Rule			0	0	59	220*

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

\*Includes 161 systems with significant noncompliance determinations due in 1996.

### 1996 TOTALS

Total Number of Regulated Systems	<u>4,241</u>
Total Number of Systems in Violation	733*
Total Number of Violations	820

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on any variances or exemptions granted to any Virginia PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

Basic information on Virginia PWSs is provided in the State report. A summary of compliance assistance activity is also provided. There were 8,018 technical assistance contacts made during the 1996 calendar year.

This page provides a summary of the data reported by the State of Virginia. EPA has not interpreted the information provided and is not commenting on whether the State of Virginia has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Virginia's State Report is available by accessing the State's Web site at <http://www.vdh.state.va.us> or by contacting any of the State's following six field offices: Office of Water Programs, Abingdon Field Office – Field 1, 454 East Main Street, Abingdon, VA 24210, phone (540) 676-5650 and fax (540) 676-5659; Office of Water Programs, Lexington Field Office – Field 2, 131 Walker Street, Lexington, VA 24450, phone (540) 463-7136 and fax (540) 463-3892; Office of Water Programs, Southeast Virginia Field Office – Field 3, 5700 Thurston Avenue - Suite 203, Virginia Beach, VA 23455, phone (757) 363-3876 and fax (757) 363-3955; Office of Water Programs, East Central Field Office – Field 4, 300 Turner Road, Richmond, VA 23225, phone 1(804) 674-2880 and fax (804) 674-2815; Office of Water Programs, Danville Field Office – Field 5, 1347 Piney Forest Road, Danville, VA 24540, phone (804) 836-8416 and fax (804) 836-8424; Office of Water Programs, Culpeper Field Office – Field 6, 400 South Main Street – 2<sup>nd</sup> Floor, Culpeper, VA 22701-3318, phone (540) 829-7340 and fax (540) 829-7337.

## State of Washington 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	<u>0</u>	<u>0</u>			<u>0</u>	<u>0</u>
Total Coliform Rule	745	501			1,281	1,281
Surface Water Treatment Rule			<u>239</u>	62	<u>54</u>	13
Lead and Copper Rule			3	3	<u>0</u>	<u>0</u>

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	4,184
Total Number of Systems in Violation	1,254
Total Number of Violations	2,322

### 1996 VARIANCES AND EXEMPTIONS

No variances or exemptions have been issued to any PWSs in Washington.

### DISCUSSION

A table of State data for drinking water violations was provided and is summarized above. The report referenced a 1996 study of the State information management system which found it to be inadequate to respond to the requirements of the 1996 Amendments. Only 50% of Washington's program information management needs were being supported by data systems. A multi year program was initiated in 1997 to redesign the entire data structure.

This page provides a summary of the data reported by the State of Washington. EPA has not interpreted the information provided and is not commenting on whether the State of Washington has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Washington's State Report is available by accessing the State's Web site at <http://www.doh.wa.gov/ehp/dw/> or by contacting the State at Division of Drinking Water, P.O. Box 47822, Olympia, WA 98504-7822.

## State of West Virginia 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			1,969	<u>398</u>
Total Coliform Rule	121	110*			646	452
Surface Water Treatment Rule			38	19	0	0
Lead and Copper Rule			0	0	3	288**

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

\*Sum of acute (76) and non-acute (34) MCL.

\*\*Sum of initial lead and copper tap monitoring and reporting (285) and follow-up or routine lead and copper tap monitoring and reporting (3).

Data from SDWIS/FED have been included and underlined where the State data were not available.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>1,374</u>
Total Number of Systems in Violation	1,267*
Total Number of Violations	2,777

\*Sum of State systems in violation potentially contains double counting.

### 1996 VARIANCES AND EXEMPTIONS

No information was provided on variances or exemptions granted to any West Virginia PWSs during the 1996 calendar year. SDWIS/FED did not report any variance or exemption violations.

### DISCUSSION

A summary table of State data for drinking water violations during 1996 was provided and is summarized above.

This page provides a summary of the data reported by the State of West Virginia. EPA has

not interpreted the information provided and is not commenting on whether the State of West Virginia has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORTS

A specific source for obtaining a copy of this report has not been provided. General information may be obtained from: Environmental Engineering Division, Office of Environmental Health Services, Bureau of Public Health, 815 Quarrier Street, Suite 401, Charleston, WV 25301, phone (304) 558-2981.

## State of Wisconsin 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	27	27			4,352	1,014
Total Coliform Rule	720	610			1,005	939
Surface Water Treatment Rule			0	0	0	0
Lead and Copper Rule			4	4	169	168

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	11,895*
Total Number of Systems in Violation	2,762
Total Number of Violations	6,277

\*1998 data, no historical data was available.

### 1996 VARIANCES AND EXEMPTIONS

Wisconsin did not grant variances or exemptions in 1996.

### DISCUSSION

General PWS inventory information is provided in Wisconsin's report. Approximately 95% of the PWSs in Wisconsin were in compliance with monitoring requirements. The three main reasons for systems' noncompliance were lack of training or understanding the SDWA requirements, operator turnover, and cost of monitoring. Wisconsin's Department of Natural Resources is addressing these issues through development of operator certification and capacity programs. Over 96% of the people served by PWSs in Wisconsin received drinking water

within the SDWA limits. Most MCL violations were associated with potential bacterial contamination which are short-term in nature and resolved quickly.

This page provides a summary of the data reported by the State of Wisconsin. EPA has not interpreted the information provided and is not commenting on whether the State of Wisconsin has fully reported all violations.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Wisconsin's State Report is available by contacting the State at Wisconsin Department of Natural Resources, P.O. Box 7921, Madison, WI 53707, Attention: Jim Zellmer - DG/2, phone (608) 267-7581, zellmj@dnr.state.wi.us (electronic mail).

## State of Wyoming 1996 Annual State Public Water Systems Report

### VIOLATIONS FOR 1996

Violations Category	MCL		Treatment Technique		Significant Monitoring	
	Violations	Systems in Violation	Violations	Systems in Violation	Violations	Systems in Violation
Chemical Contaminant Group <sup>1</sup>	0	0			440	146
Total Coliform Rule	51	51			244	187
Surface Water Treatment Rule			7	4	0	0
Lead and Copper Rule			0	0	55	55

<sup>1</sup>The Chemical Contaminant Group includes MCL violations and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.

Shaded areas of this chart are not applicable.

### 1996 TOTALS

Total Number of Regulated Systems	<u>707</u>
Total Number of Systems in Violation	443*
Total Number of Violations	797

\*Sum of systems in violation potentially contains double counting.

Data from SDWIS/FED have been included and underlined where the State data were not available.

### 1996 VARIANCES AND EXEMPTIONS

During calendar year 1996, EPA, Region 8 did not allow variances or exemptions to any MCL or monitoring requirement for PWSs in the State of Wyoming for which the Region has primary enforcement authority.

### DISCUSSION

Information provided from EPA Regional Office since Wyoming does not have primary enforcement authority.

### WHERE TO OBTAIN 1996 ANNUAL STATE PUBLIC WATER SYSTEMS REPORT

Wyoming's State Report is available from: John Gillis, EPA Region 8, 999 18<sup>th</sup> Street, Suite 500, Denver, CO 80202-2466, phone (303) 312-6229.