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# 2011 National Public Water Systems Compliance Report

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# 2011 National Public Water Systems Compliance Report

## Executive Summary

The United States (U.S.) Environmental Protection Agency (EPA) is directed by the Safe Drinking Water Act (SDWA) to annually report on public water system (PWS) compliance in the United States. To meet this requirement, EPA's Office of Enforcement and Compliance Assurance (OECA) publishes the annual National Public Water Systems Compliance Report (Report) summarizing the incidence of significant violations, which include all health-based violations and a subset of other violations, as shown in Table A-1. The Report for 2011 documents that, while the majority of the U.S. population served by PWSs receives safe drinking water, many PWSs incurred significant violations of federal drinking water quality standards. The number of PWSs with significant violations decreased from 39,716 in 2010 to 37,631 in 2011.

In December 2011, there were 151,739 active<sup>1</sup> PWSs in the U.S. serving over 318 million users. Small PWSs<sup>2</sup> comprise the vast majority of all these systems. Noncompliance occurs more frequently at smaller PWSs because they often have fewer resources to operate and maintain compliance. For this reason, EPA, states, and other organizations provide significant resources to small PWSs to build their capacity to properly finance, operate, and maintain their drinking water systems. Among other mechanisms to support small PWSs, EPA provides funds through the Drinking Water State Revolving Fund and the Public Water System Supervision (PWSS) program for third-party technical assistance providers, and maintains multiple, free online financial and technical websites, tools and resources.

### Overall Compliance Is Improving

EPA tracks compliance at PWSs in different ways and for different purposes. For purposes of this report, EPA tracks compliance in two ways: 1) the number of PWSs with significant violations<sup>3</sup> reported to EPA by primacy agencies each year (that is, any health-based violation or certain monitoring and reporting violations where the facility fails to report water sampling results); and 2) the number of PWSs classified as being priorities for enforcement (that is, they have serious, repeated or continuing violations that make them a priority, as defined by the 2009 SDWA Enforcement Response Policy).

The number of PWSs with significant violations (i.e., health-based, certain monitoring and reporting, or certain notification violations) reported to EPA each year decreased incrementally between 2007 and 2011. The most frequently reported violations continue to be monitoring and reporting violations. PWSs, especially smaller ones, often lack the managerial capacity to ensure that monitoring and reporting schedules are followed. Failure to monitor or report is serious because it means that PWS operators, regulators and consumers do not know whether drinking water standards are being met.

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<sup>1</sup> Active PWSs are defined as those PWSs that have operated for some period in the calendar year. This would include PWSs that are only operating during part of the year, such as summer campgrounds.

<sup>2</sup> Small systems are defined in some contexts as serving 3,300 or fewer customers, and in others as serving 10,000 or fewer. For purposes of this report, references to small systems always refer to those serving 3,300 or fewer. In other EPA documents small systems may be further categorized into very small systems as those serving 500 or fewer customers.

<sup>3</sup> Details concerning significant violations can be found in Appendix A in Table A-1.

Beginning in 2010, EPA established a water system-based approach to addressing noncompliance with federal requirements in accordance with the revised Enforcement Response Policy (ERP) issued on December 8, 2009. This policy instituted a process for prioritizing systems for enforcement based on the number and types of violations at each system. Using this approach, all violations at a priority system are to be addressed in a timely manner in a joint response by the primacy agency. This approach returns systems to full compliance more efficiently than under the previous rule-by-rule approach, where incidences of significant noncompliance were likely addressed under separate responses focusing on violations under an individual rule. For more information on the 2009 ERP, see [http://www2.epa.gov/sites/production/files/documents/drinking\\_water\\_erp\\_2009.pdf](http://www2.epa.gov/sites/production/files/documents/drinking_water_erp_2009.pdf).

The number of PWSs classified as priorities for enforcement at some time during the calendar year decreased from 13,468 (9 percent of all systems) in 2010 to 8,172 (5 percent) in 2011. Primacy agencies made progress in addressing a backlog of noncompliance through compliance assistance and enforcement actions, while reporting those activities into the national data system.

### **Compliance and Enforcement at PWSs in U.S., Including Indian Country**

Primacy agencies reported that approximately 25 percent of all PWSs in the U.S. had at least one significant violation in 2011. This rate is slightly lower than the rates reported in previous years. The data submitted by primacy agencies indicate that six percent of all PWSs in the U.S. serving approximately 18.7 million consumers had violations of health-based standards in 2011, while significant monitoring and reporting violations were reported for about 15 percent of all PWSs. In 2011, EPA and primacy agencies initiated 7,846 enforcement actions<sup>4</sup> in response to drinking water violations at PWSs in their jurisdictions. The enforcement actions counted in this report are a subset of all possible enforcement actions, which include some formal enforcement actions and other actions that may return a system to compliance.

### **Compliance and Enforcement in Indian Country**

In 2011, 985 PWSs served over 1.2 million consumers in Indian country. EPA regions and the Navajo Nation<sup>5</sup> reported that approximately 42 percent of all PWSs in Indian country had at least one significant violation in 2011. This rate of significant violations is lower than in 2010 and represents a downward trend since 2007. EPA regions and the Navajo Nation reported that 11 percent of PWSs in Indian country (serving 143,997 consumers) had health-based violations, while 34 percent of PWSs in Indian country had significant monitoring and reporting violations. In 2011, EPA and the Navajo Nation took 44 enforcement actions in Indian country.

The PWSs in Indian country consist mainly of smaller PWSs, many of which may face significant financial and technical challenges in complying with National Primary Drinking Water Regulations (NPDWRs). EPA devotes considerable financial and staff resources to improve compliance in Indian country, as discussed in more detail in this report.

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<sup>4</sup> For purposes of this report, enforcement actions include a variety of administrative, civil and criminal actions, and other actions that primacy agencies use to address violations.

<sup>5</sup> The Navajo Nation has primacy for most, but not all, public water systems that are located on Navajo Reservations. Throughout this report references to the Navajo Nation relate only to those public water systems where they maintain primacy.

## **Source and Quality of Data Used for this Report**

The data summarized in this report are housed in the Safe Drinking Water Information System/Federal Version (SDWIS/FED). PWSs are required to sample and test their water and report the results to the agency with primacy for implementing SDWA –either the state or territory in which the system is located, the Navajo Nation for most of the Navajo Reservation, or to EPA if the system is in Indian country. The primacy agency reviews the test results and other required reports and determines whether a violation has occurred. The primacy agency is required by EPA to report all violations and enforcement data into SDWIS/FED; a finding of compliance is not required to be reported to EPA.

Over the past decade, EPA has evaluated state and EPA regional programs' data quality by conducting data verification audits and national data quality assessments, comparing primacy agencies' files and records with information in SDWIS/FED to verify accuracy, completeness and whether appropriate compliance determinations are made (that is, in accordance with federal regulations). These audits and assessments have shown that violation data are incomplete. EPA and primacy agencies are currently working together to devise a modern data system that will be instrumental in improving data accuracy and completeness.

In light of known underreporting, EPA recognizes that the findings in this report likely underestimate the actual level of noncompliance at PWSs in 2011. EPA continues to work with its state and tribal partners to identify and resolve problems that may have produced data discrepancies in the past and to ensure that complete and accurate documentation is available to help assess the safety of the nation's drinking water.

## **Recommendations**

### **1. *Continue to Improve Compliance Rates***

States, territories, the Navajo Nation, and EPA should continue working together to return violating PWSs to compliance as efficiently and effectively as possible. Pursuing the more holistic, systems-based approach to addressing noncompliance is an important element of improving performance among PWSs.

### **2. *Improve Data Quality***

Data quality improvement must remain a high priority for EPA and the primacy agencies. Primacy agencies must provide complete and accurate data to the public and to EPA. Without high quality data from primacy agencies, EPA cannot fulfill its responsibility to fully assess the state of compliance of the nation's PWSs and to communicate to the public, Congress and other oversight bodies.

### **3. *Continue to Implement the 2009 Enforcement Response Policy***

Primacy agencies will continue to pursue enforcement actions against violating public water systems, including those in Indian country, both to expeditiously return violations to compliance and to deter future violations. EPA and primacy agencies will continue to implement the ERP and provide training and support as needed.

#### **4. *Continue to Develop Capacity at Smaller Public Water Systems***

EPA will continue its efforts to support PWSs serving 10,000 or fewer consumers through the capacity development program. Recognizing the challenges facing these drinking water systems, EPA provides tools and assistance for capacity development, which refers to the technical, financial and managerial capacity of a system to provide safe drinking water. The program also provides information about treatment technology options for small systems.

#### **5. *Continue to Increase Transparency of Data***

EPA believes that raising the public's awareness of the violations at PWSs will encourage PWSs to improve their compliance. In addition to the information in this report, data on the numbers and types of PWSs, populations served, source water, violations, enforcement actions and more are presented in various other formats on EPA's public website at the following URLs:

<http://water.epa.gov/scitech/datait/databases/drink/sdwisfed/howtoaccessdata.cfm>

<http://www.epa.gov/enviro/>

[http://www.epa-otis.gov/echo/compliance\\_report\\_sdwa.html](http://www.epa-otis.gov/echo/compliance_report_sdwa.html)

Readers should be aware that data in these reports and others using SDWIS data may differ somewhat, depending on the specific queries and dates of information used to generate each report.

# 2011 National Public Water Systems Compliance Report

## Introduction

### Purpose of Report

This annual *National Public Water Systems Compliance Report* summarizes and evaluates annual reports submitted by primacy agencies<sup>6</sup> regarding compliance at public water systems (PWSs) of all types and sizes in the U.S. in calendar year 2011. The information in this report summarizes PWS noncompliance with the National Primary Drinking Water Regulations (NPDWRs) at the national and state levels and does not provide information about specific water systems. This report is compiled annually as required by Section 1414(c)(3)(B) of the Safe Drinking Water Act (SDWA). The report includes the following:

- Part 1: Summary of Compliance and Enforcement at PWSs throughout the U.S (including those in Indian Country)
- Part 2: Summary of Compliance, Enforcement, and Financial Assistance at PWSs in Indian Country
- Part 3: Conclusions and Recommendations
- Appendices: Glossary of Terms and Summaries of State Annual Compliance Reports

### Scope of Report

This report discusses the incidence of significant violations at PWSs (see Table A-1 in Appendix A) as defined by the SDWA, occurring between January 1 and December 31, 2011, including:

- All violations of **health-based standards**, including exceedances of Maximum Contaminant Levels (MCLs) and Maximum Residual Disinfectant Levels (MRDLs) along with violations of treatment technique (TT) requirements;
- Significant **notification** violations (i.e., complete failure to provide required notification); and
- Significant **monitoring and reporting** violations (e.g., where a PWS did not take a sample or failed to report results during a compliance period.).

A PWS is a system that provides water for human consumption, if such system has at least 15 service connections or regularly serves at least 25 individuals at least 60 days out of the year. EPA does not have the authority to regulate private drinking water wells that do not meet the above criteria. Therefore, data in this report are for PWSs only.

For purposes of this report, small systems are defined as those serving up to 3,300 customers. PWS size is generally related to a system's ability to maintain or return to compliance following a violation of a NPDWR. In general, large PWSs have greater capacity to maintain compliance than small systems and can return to compliance more quickly than small systems. This disparity is often the result of differences in financial, administrative, and technical capacity between large and small systems. Small PWSs have a smaller customer base to support purchase and installation of needed infrastructure and to operate and

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<sup>6</sup> Federal approval to implement the drinking water program is called primary enforcement authority, or "primacy." The term "primacy agency" includes 55 states, commonwealths, and territories that have been approved to implement the drinking water program within their jurisdictions. It also includes the Navajo Nation, which has primacy for most, but not all, PWSs that are located on Navajo lands. When this report mentions PWSs in the Navajo Nation, it refers to those PWSs for which the Navajo Nation exercises primacy. During calendar year 2011, EPA directly implemented the drinking water program in Wyoming, the District of Columbia, and throughout all of Indian country, except for those PWS's under Navajo Nation primacy. EPA is responsible for submitting violation information into SDWIS for the areas where the Agency directly implements the program



maintain the system. Similarly, small PWSs may be unable or unwilling to charge users rates sufficient to cover the true cost of collecting, treating, and distributing the water. Lack of funding may cause small PWSs to delay needed capital improvements. Small PWSs (particularly non-community water systems) are often overseen by part-time administrators who are not environmental professionals, and the pay for the system operators may not be adequate to attract and keep someone with the necessary training and skills. If there are violations, small PWSs may not have the technical capabilities to correct the underlying problems. Because of the relationship between system size and the ability to achieve and maintain compliance, some of the findings in this report are discussed in terms of system size.

EPA's goal is to ensure that all citizens are provided with safe drinking water. EPA's Enforcement Response Policy (ERP) for the Public Water System Supervision (PWSS) Program under the SDWA issued on December 8, 2009, recommends that formal enforcement action should be taken when assistance or informal enforcement action does not effectively return a PWS to compliance in a timely manner, regardless of the size, type, owner, operator or location of the system. The ERP establishes a framework for prioritizing PWSs for formal enforcement in order to ensure that those with the most severe violations are addressed. Systems with the most serious violations or combination of frequent or persistent violations are considered to be priorities for enforcement. When determining if a PWS is an enforcement priority, the ERP considers all unresolved violations within the past five years. The ERP provides that all violations at a PWS be addressed by response action, thus returning the PWS to compliance more quickly than was previously done. This practice began in 2006 on an ad-hoc basis and triggered a decline in the number of PWSs prioritized for enforcement. With the inclusion of this provision in the 2009 ERP, EPA expects this decline to continue. Data for 2011 confirms this expectation.

### **Source and Quality of Data**

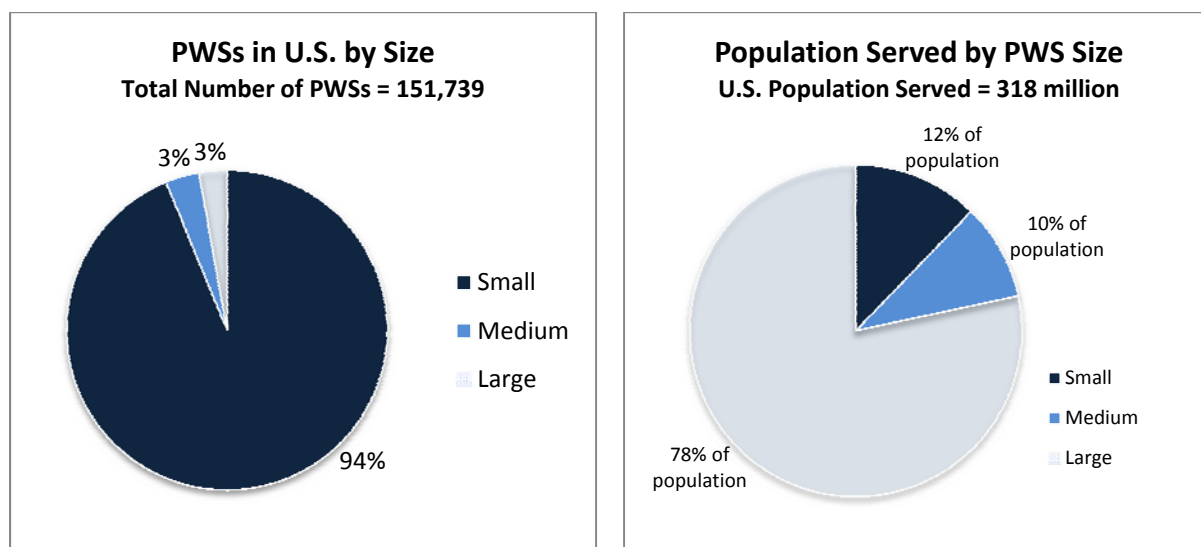
This report is based on violation types shown in Table A-1 (Appendix A) that occurred during calendar year 2011. EPA acknowledges that the data summarized in this report are incomplete. The data are housed in the Safe Drinking Water Information System/Federal Version (SDWIS/FED). PWSs are required to take samples and test their water and report the results to their primacy agency—usually the state in which the system is located, or to EPA if the system is in Wyoming, the District of Columbia, or Indian country where a tribe does not have primacy. The primacy agency reviews the test results and other required reports and determines whether a violation has occurred. The primacy agency is required by EPA to enter all violation and enforcement data into SDWIS/FED; a finding of compliance is not required to be entered into SDWIS/FED.

Over the past decade, EPA has evaluated state and regional programs' data quality by conducting data verification audits and national data quality assessments. During these audits and assessments, EPA compares primacy agency files and records to information in SDWIS/FED to verify accuracy, completeness and whether appropriate compliance determinations are made (that is, in accordance with federal regulations). These audits and assessments have shown that data in SDWIS/FED were incomplete; however, the health-based violation data that were present in the database were accurate. Most of the missing data were associated with violations that were either not recognized as, or were not deemed to be, violations by primacy agencies. EPA and states have undertaken a number of activities to improve data quality, and are now working together to build a modern data system that will be instrumental in improving data accuracy and completeness.

## Part 1. Summary of Compliance and Enforcement at PWSs throughout the U.S. (Including Those in Indian Country)

### Inventory of Public Water Systems by Size

The number of PWSs operating in 2011 was 151,739, serving over 318 million consumers. The proportion of small PWSs to the total number of PWSs remained consistent with previous years at 94 percent.

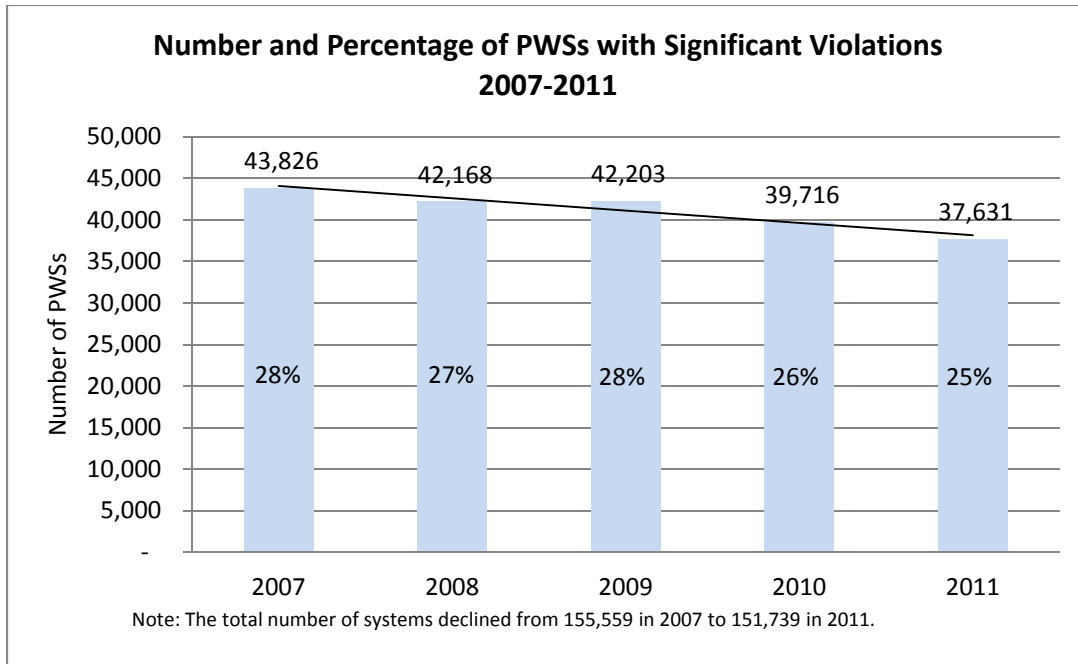


Small PWSs comprise the vast majority of all PWSs, but they serve just 12 percent of all consumers. For purposes of this report, small PWSs are defined as those serving 3,300 or fewer people. Small PWSs include both community water systems (those systems that serve the same individuals year-round), as well as non-community systems serving at least 25 people for at least 60 days per year. Some examples of non-community systems include offices, schools, hospitals, gas stations and parks with their own systems. For discussion purposes, systems serving more than 3,300 customers (i.e., medium-sized to large systems) are grouped together throughout this report.

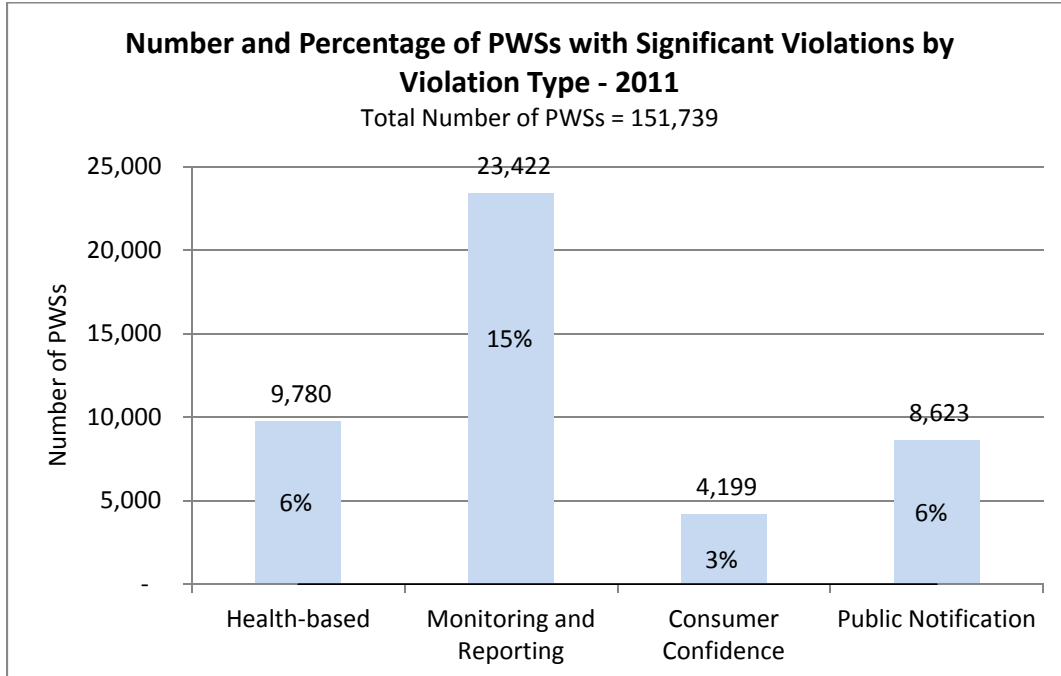
### PWSs with Significant Violations of Any Type

In 2011, about 75 percent (114,108) of PWSs in the U.S., serving approximately 82 percent of the population, had no significant violation of any type, as reported by primacy agencies<sup>7</sup>. Significant violations include all violations of health-based standards, including exceedances of MCLs, MRDL and violations of TT rules; certain notification violations (i.e., complete failure to provide required notification); and certain monitoring and reporting violations (failure to sample or to report results during a compliance period). Significant violations were reported for 37,631 PWSs in 2011, representing about 25 percent of all active PWSs. This rate continues the general decrease in significant violations between 2007 and 2011.

<sup>7</sup> All references to populations served throughout this report are approximate, because most consumers receive drinking water from more than one system (e.g., at home, at work, at parks or commercial establishments, etc.). Therefore, adding the number of users of all system types would result in a number greater than the entire U.S. population.



About one half of all significant violations reported were monitoring and reporting violations. The graph below shows that the greatest number of PWSs had violations of this type. Note that the total of the numbers of systems in the graph below is greater than the 37,631 PWSs that violated at least one NPDWR, because some systems violated multiple NPDWRs.



## **PWSs with Health-Based Violations**

Based on data reported by primacy agencies, 94 percent of PWSs (141,959) had no reported violations of health-based standards. Conversely, 6 percent of PWSs (9,870) did have reported health-based violations. These PWSs with reported health-based violations served approximately 18.7 million consumers in 2011.

EPA's health-based standards are designed to reduce or eliminate contaminants that can negatively impact human health even with limited exposure. Health-based standards include MCLs, MRDLs, and TTs. An MCL is the highest level of a contaminant that is allowed in drinking water. An MRDL is the highest level of a disinfectant that is allowed in the drinking water. A TT is a required treatment process (such as filtration or disinfection) intended to prevent the occurrence of or deactivate a contaminant in drinking water. TTs are adopted where it is not economically or technologically feasible to monitor the level of a contaminant, such as microbes, where even single organisms that occur unpredictably or episodically can cause adverse health effects.

It is important to note that when a PWS violates a health-based standard, the consumers served by that system may be at an increased risk of illness depending upon several factors, including the type and concentration of the contaminant and the duration and the magnitude of the exceedance. PWSs that exceed MCLs or MRDLs are required to notify their consumers about the possibility of these increased health risks.

## **Public Water Systems with Significant Monitoring and Reporting Violations**

If a system does not monitor the quality of its water, it is impossible for consumers and primacy agencies to know whether the water being served is meeting health-based standards. For this reason, a system's failure to monitor and report for an entire compliance period is a significant violation that must be addressed and corrected. In 2011, primacy agencies reported significant monitoring and reporting violations for about 15 percent of all PWSs (23,422). Approximately 55 percent of the 23,422 PWSs in 2011 had at least one violation of monitoring and reporting requirements of the Total Coliform Rule (TCR). While this percentage is high, it should be noted that the likelihood of occurrence for this type of violations is much higher than for other violations. Unlike the other NPDWRs, the TCR applies to all PWSs with many PWSs monitoring multiple times a year; thus increasing the likelihood of the primacy agency reporting a TCR monitoring and reporting violation.

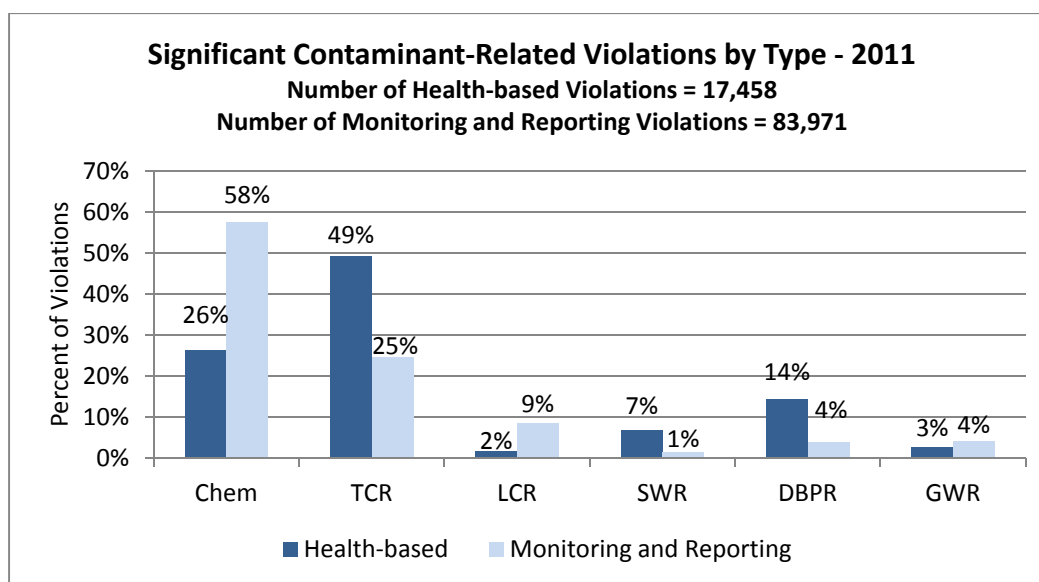
## **Contaminant-Related Violations Reported Most Frequently**

In 2011, primacy agencies reported 17,458 health-based violations at 9,870 PWSs as well as 83,971 significant monitoring and reporting violations at 23,422 PWSs. Monitoring and reporting violations for the Chemical Contaminant Group were the most frequent monitoring and reporting violations, at 58 percent. The higher frequency of monitoring and reporting violations for the Chemical Contaminant Group is likely because a single monitoring sample may be used for various inorganic and organic contaminants. Compliance with many organic and inorganic standards is determined on the basis of a sample being analyzed for multiple contaminants, with one missed sample resulting in monitoring and reporting violations for each of those contaminant standards.

The following graph shows the rates, by rule, at which significant violations were reported to have occurred in 2011. The rules or rule categories in the graph include:

- Chem -- Chemical Contaminant Group. This category includes rules for organic, synthetic organic, volatile organic, inorganic (except for lead and copper), and radioactive contaminants.
- TCR -- Total Coliform Rule

- SWR (Surface Water Rules) -- This category includes the long-term 1 enhanced surface water treatment rule (LT1ESWTR), surface water treatment rule (SWTR), interim enhanced surface water rule (IESWTR) and filter backwash recycling rule (FBRR).
- LCR -- Lead and Copper Rule.
- DBPR -- Stage 1 Disinfectants and Disinfection Byproducts Rule.
- GWR - Ground Water Rule.



As context for the total number of violations occurring in a year, it is important to note that PWSs are subject to numerous rules and standards, depending on their size, type and source of water. A large system may be required to sample as many as 480 times in one month under the TCR, with the potential for 5,760 health-based violations in a year for that rule at that one system. A small PWS may be required to sample just once a month under the same rule. Similarly, failure to take one required sample that is used to test for multiple contaminants results in separate monitoring and reporting violations for each contaminant tested for in the sample.

### **PWSs with Violations of Variances or Exemptions**

Under federal law, EPA and primacy agencies can grant variances or exemptions to PWSs in limited circumstances allowing them to install alternative technology or giving them more time to meet a standard if public health is adequately protected in the interim. Thirteen violations of variances or exemptions were reported by primacy agencies during 2011.

### **Primacy Agencies and EPA Response to Violations**

#### ***Assistance***

State primacy agencies and EPA engage in a variety of compliance, financial and technical assistance activities to help PWSs remain in and/or return to compliance. These activities are often general and ongoing, while others are targeted to specific systems or NPDWRs. Examples include:

- Conducting on-site visits and sanitary surveys at PWSs (e.g., an on-site review of the water sources, facilities, equipment, operations, and maintenance to evaluate their adequacy in producing and distributing safe drinking water); sanitary surveys are required to be conducted at community water

- systems every 3-5 years and non-community water systems every five years.
- Helping PWSs identify and implement preventive measures.
- Providing financial assistance for system improvements through the Drinking Water State Revolving Fund.
- Reviewing water system plans and specifications.
- Conducting training sessions.
- Holding public information meetings.
- Lending specialized monitoring equipment, such as handheld equipment.
- Publishing information and providing training events and other educational opportunities.

PWSs often return to compliance on their own without assistance or other primacy agency response.

### ***Informal Enforcement***

When a drinking water violation is identified and a PWS does not resolve the violation on its own, or compliance assistance does not return the violating system to compliance, EPA program implementation guidelines direct the primacy agency to initiate an enforcement response. Generally, the primacy agency's first response to violations are informal enforcement actions such as field visits, reminder letters, telephone calls, warning letters, and notices of violation.

### ***Formal Enforcement***

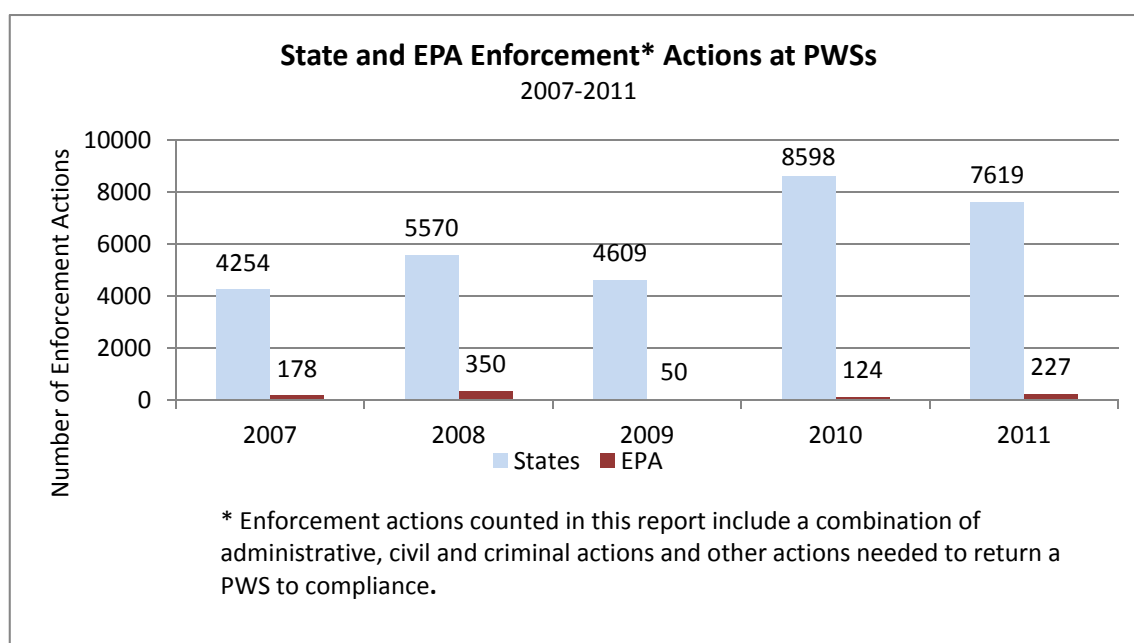
If a violation continues or recurs, the primacy agency must initiate a formal enforcement response that requires the violating PWS to return to compliance under an enforceable timetable. Formal enforcement responses include citations, administrative orders with or without penalties, civil referrals to attorneys general, or the U.S. Department of Justice, filing criminal charges, and other sanctions. The timetable establishes when a PWS must have taken all corrective actions needed to return to compliance. This may be years, particularly when new construction and/or equipment are needed to return a PWS to compliance. If there is a risk to public health, EPA and those entities with primacy, including the Navajo Nation, can issue emergency orders in accordance with the authority under Section 1431 of the SDWA that require the PWS to immediately take action to protect public health and return the system to compliance.

### ***Prioritization of Systems for Enforcement***

Beginning in 2010, EPA and primacy agencies began implementing the revised ERP, which changed the prioritization process to one that is more protective of public health. The policy lays out expectations for timely and appropriate enforcement response. All unresolved violations not already under formal enforcement at each PWS are considered in the prioritization process. PWSs are then ranked according to the seriousness of their violations, with acute health-based violations weighted most heavily. This ranking allows primacy agencies to distinguish the systems with the most serious noncompliance and to allocate enforcement resources accordingly. This approach to prioritizing enforcement under the ERP returns PWSs to full compliance more efficiently than under the previous rule-by-rule approach. Under the rule-by-rule approach, incidences of significant noncompliance were determined separately for each rule based upon the level of noncompliance. The enforcement action was focused on the violations found under that one rule. Therefore, the incidences of significant noncompliance were likely addressed under separate responses focusing on violations under an individual rule, rather than addressing violations incurred by the PWS under all rules in a joint enforcement response. More detail about the prioritization and expectations for primacy agencies can be found in the ERP on EPA's website at [http://www2.epa.gov/sites/production/files/documents/drinking\\_water\\_erp\\_2009.pdf](http://www2.epa.gov/sites/production/files/documents/drinking_water_erp_2009.pdf).

A decrease in the number of PWSs classified as priorities for enforcement was seen from 2010 to 2011. About 5 percent (8,172 PWSs) of all PWSs were enforcement priorities at least once during 2011. This is down from 9 percent (13,468 PWSs) of all PWSs in 2010. Approximately 2-4 percent of all PWSs were enforcement priorities in any given quarter, as primacy agencies implemented the revised ERP.

In 2011, EPA and primacy agencies initiated 7,846 enforcement actions<sup>8</sup> in response to drinking water violations at PWSs in their jurisdictions. The enforcement actions counted in this report are a subset of all possible enforcement actions, which include some formal enforcement actions and other actions that may return a system to compliance. Most of these actions were taken by states with primacy. EPA retains primacy in Wyoming, the District of Columbia, and in Indian country, except for the Navajo Nation. EPA's actions were primarily in these areas where it has primacy. EPA may also initiate enforcement actions in primacy states, often at a state's invitation.



It is important to note that the number of enforcement actions in a year does not necessarily correlate with the violations that are reported in the same year. Most violations are resolved without the need for enforcement action of any kind. Many enforcement actions are initiated against violations that occurred in a previous year. One enforcement action may address numerous violations at the same system. It is also important to note that it may take several years for a system to return to full compliance once an enforcement action is initiated, such as when new treatment technology must be financed, procured, installed and brought online.

<sup>8</sup> For purposes of this report, enforcement actions include a variety of administrative, civil and criminal actions, and other actions that primacy agencies use to address violations.

## Part 2. Summary of Compliance, Enforcement, and Financial Assistance at PWSs in Indian Country

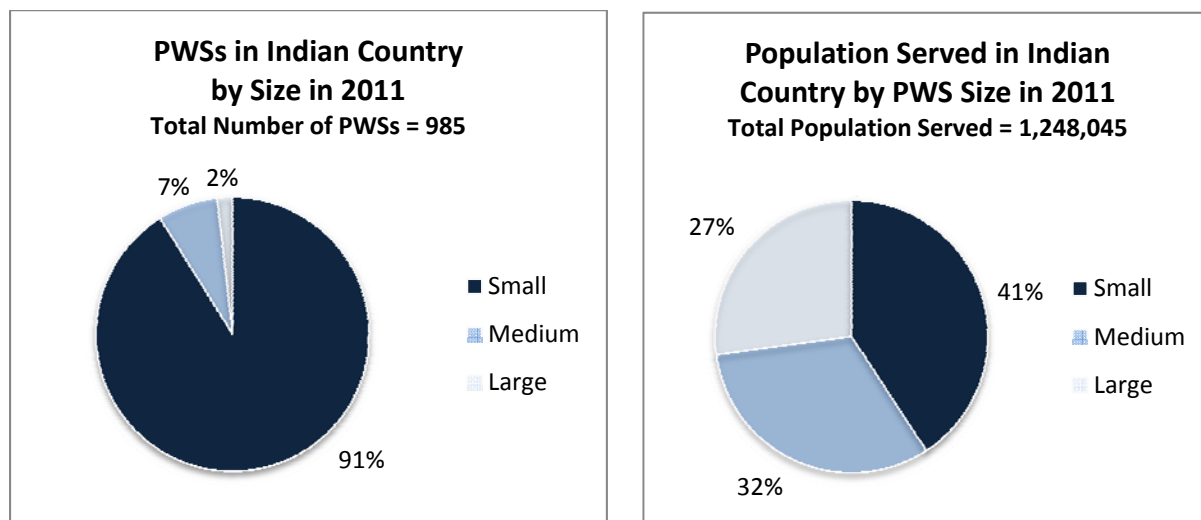
### Implementation of SDWA in Indian Country

Federally-recognized Indian tribes may apply for primacy to administer the drinking water program provided they meet the requirements of Sections 1413 and 1451 of the SDWA. To date, only the Navajo Nation has sought and received primacy for most PWSs on the Navajo Reservation. EPA administers the drinking water program in the rest of Indian country.

The data presented in this section of the report are for PWSs in the Navajo Nation, and in Indian country where EPA has primacy. The data includes PWSs on the Navajo Nation that are not under Navajo primacy and PWSs in Indian country in Alaska. The state of Alaska is the primacy agency with oversight of PWSs for Alaska Native Villages. Similarly, this section excludes data for 18 PWSs serving Native Americans that are located in Oklahoma. Information on these facilities can be found in the state reports for Alaska and Oklahoma. However, the states do not separate tribal information from non-tribal information in their state reports.

### Inventory of PWSs by Size in Indian Country

In 2011, 985 PWSs served over 1.2 million users in Indian country. Small PWSs comprised 91 percent of all PWSs in Indian country serving approximately 41 percent of the people in Indian country who received water from PWSs. This is in contrast to the U.S. as a whole where small PWSs comprise 94 percent of all PWSs and serve approximately 12 percent of all consumers. The percentage of small PWSs in Indian country with violations is greater than the percentage of small PWSs outside of Indian country with violations.

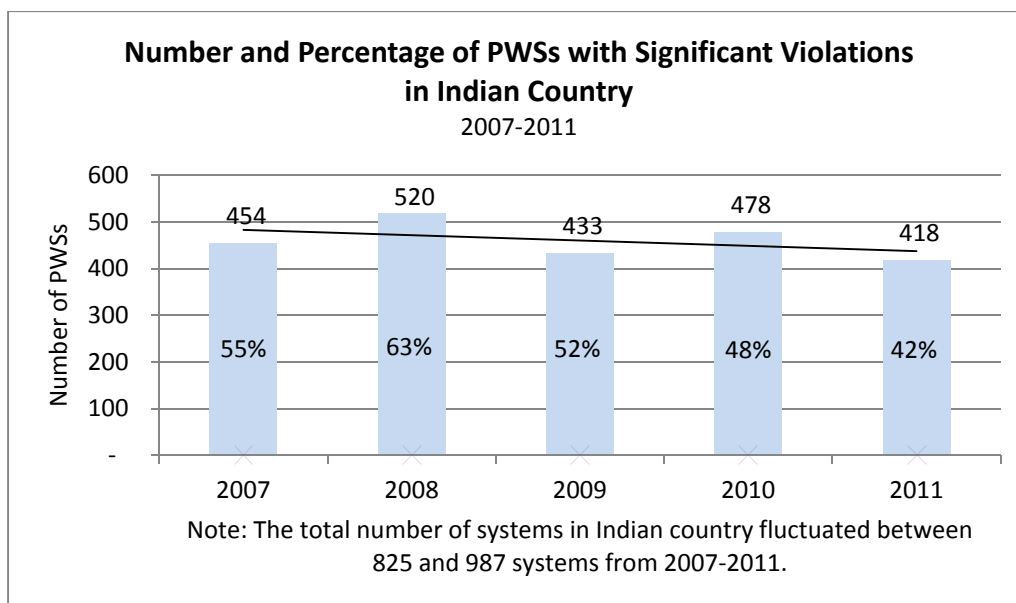


### PWSs with Significant Violations of Any Type in Indian Country

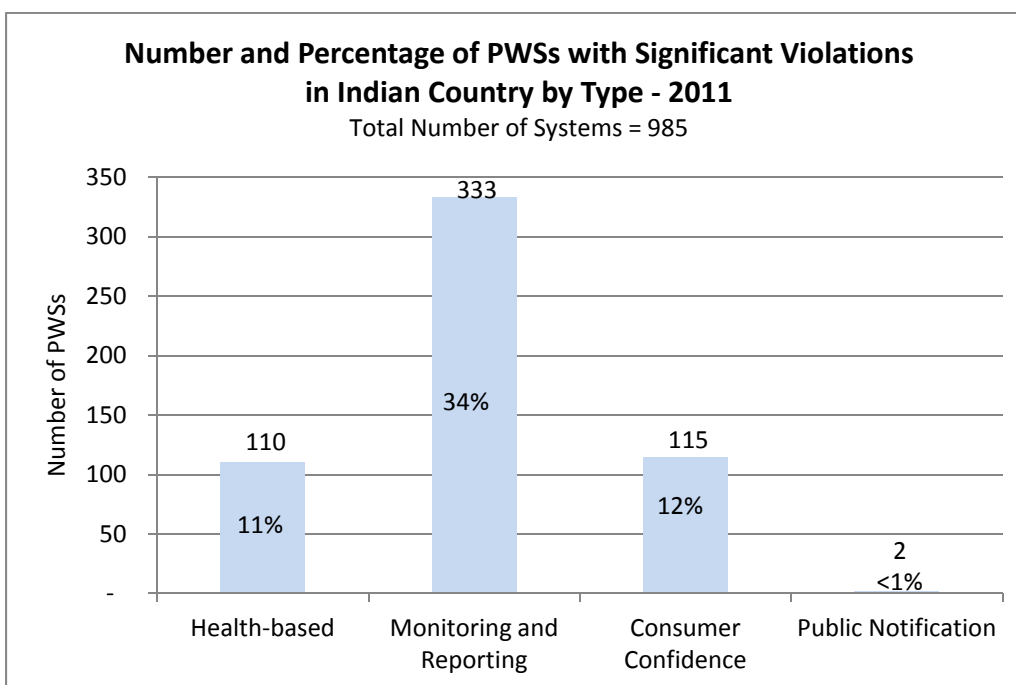
In 2011, EPA and the Navajo Nation reported that 58 percent or 567 of the 985 PWSs in Indian country for which they have primacy, serving approximately 812,643 consumers, had no significant violation of any type. Conversely, 42 percent of PWSs had at least one significant violation reported, almost twice the rate outside of Indian country (25 percent). The rate has been largely declining over the period for which trends were calculated. Fluctuation from one year to the next occurs due to the large number of systems



and potential violations. In addition, fluctuation may be due to the cyclical nature of the chemical contaminant group monitoring requirements, which are on a three to nine-year schedule. The chemical contaminant group consists of over seventy contaminants. To reduce the complexity of monitoring, EPA developed the standardized monitoring framework outlining monitoring schedules covering three to nine year periods. While the general decline in this rate since 2008 is important, EPA considers this percentage of significant violations to be too high and that further actions are necessary to improve noncompliance.



The types of violations reported by the 418 PWSs (42 percent) are shown below. Significant monitoring and reporting violations comprise the most frequently reported violations of all types in Indian country and outside of Indian country.



Note that the total number of PWSs in the graph is greater than the 478 PWSs that violated at least one NPDWR because some systems violated multiple NPDWRs.

### PWSs with Health-Based Violations in Indian Country

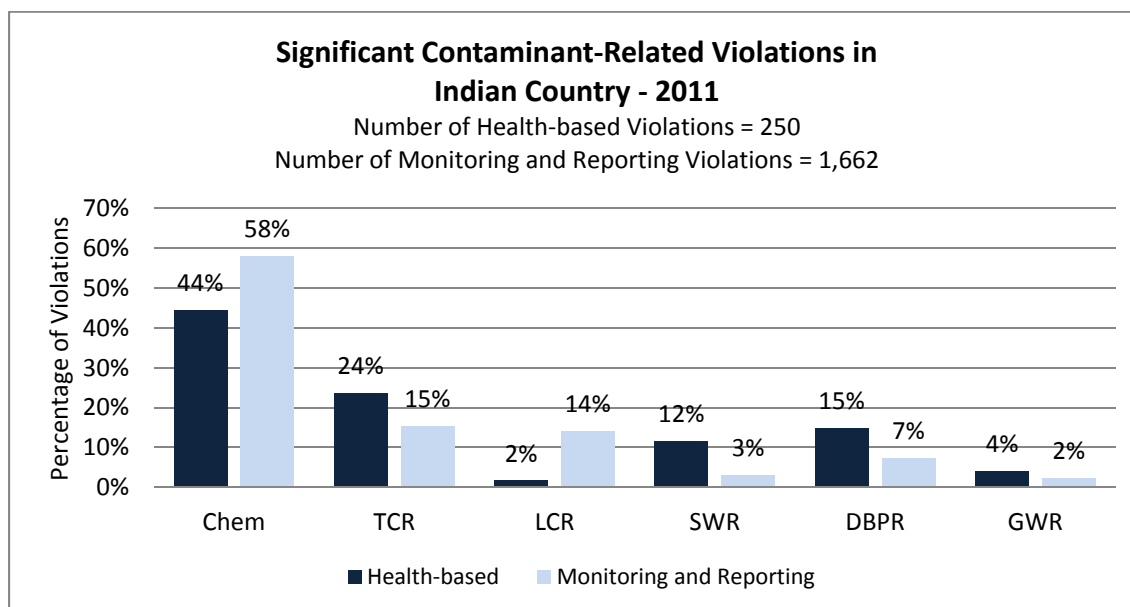
Eleven percent of PWSs (110 systems) in Indian country had health-based violations in 2011. These PWSs served twelve percent (143,997) of consumers in 2011.

### PWSs with Significant Monitoring and Reporting Violations in Indian Country

If a PWS does not monitor the quality of its water, it is impossible to know if drinking water standards are being met. For this reason, a PWS's significant failure to monitor and report is a major violation that must be addressed and corrected. Overall, the most frequently reported violations are significant monitoring and reporting violations, both inside Indian country and outside. In 2011, 34 percent of PWSs (333 systems) in Indian country had significant monitoring and reporting violations.

### Contaminant-Related Violations Reported Most Frequently in Indian Country

The most frequently reported contaminant-related violation among all PWSs in Indian country was monitoring and reporting under the Chemical Contaminant Group (58 percent). Exceedances of the MCL for the Chemical Contaminant Group were the most frequently reported health-based violations, making up 44 percent of all health-based violations.



### PWSs with Violations of Variances or Exemptions in Indian Country

No violations of variances or exemptions were reported by the primacy agencies for Indian country during 2011.

### EPA Response to Violations in Indian Country

In 2011, EPA devoted significant financial and staff resources to improve compliance in Indian country. The PWSs in Indian country consist mainly of smaller PWSs that face significant financial and technical

challenges in complying with NPDWRs.

### ***Compliance Assistance for PWSs in Indian Country***

Navajo Nation and EPA engage in a variety of compliance, financial and technical assistance activities to help PWSs for which they have primacy remain in and/or return to compliance. These activities are often generic and ongoing, while others are targeted to specific PWSs. Examples include:

- Conducting on-site visits and sanitary surveys at PWSs (e.g., an on-site review of the water sources, facilities, equipment, operations, and maintenance to evaluate their adequacy in producing and distributing safe drinking water; sanitary surveys are required to be conducted at community water systems every 3-5 years).
- Helping PWSs identify and implement preventive measures.
- Providing financial assistance for system improvements through the Drinking Water State Revolving Fund tribal set-aside.
- Conducting training sessions.
- Holding public information meetings.
- Lending specialized monitoring equipment, such as handheld equipment.
- Publishing information and providing training events and other educational opportunities.

In many cases, EPA coordinates its assistance with other Federal agencies, including the U.S. Department of Health and Human Service's Indian Health Service, the U.S. Department of Agriculture's Rural Utility Service, and the Department of the Interior's Bureau of Indian Affairs and Bureau of Reclamation. In addition, EPA works with non-governmental organizations and inter-tribal consortia, including the Native American Water Association, the National Rural Water Association, and the Rural Community Assistance Partnership to ensure compliance at PWS in Indian country.

PWSs often return to compliance on their own without assistance or other EPA and non-EPA responses.

### ***Informal Enforcement for Violations in Indian Country***

When a drinking water violation is identified and a PWS does not resolve its violation on its own, or compliance assistance does not return the violating system to compliance, EPA's program implementation guidelines direct the Agency to initiate an enforcement response. Generally, EPA's first response to violations are informal actions such as field visits, reminder letters, telephone calls, warning letters, and notices of violation. If a PWS is owned or operated by a tribal government, EPA's enforcement response is guided both by the SDWA and program implementation guidance and the "EPA Policy for the Administration of Environmental Programs on Indian Reservations" and the "Guidance on the Enforcement Principles Outlined in the 1984 Indian Policy" (EPA Enforcement Principles). For more information, see <http://www2.epa.gov/enforcement/transmittal-final-guidance-enforcement-principles-outlined-1984-indian-policy-january-17> and <http://www.epa.gov/tp/pdf/indian-policy-84.pdf>.

### ***Formal Enforcement for Violations in Indian Country***

If a violation continues or recurs at a PWS in Indian country, EPA or the Navajo Nation as the primacy agency must initiate a formal enforcement response that requires the violating PWS to return to compliance under an enforceable timetable. Formal enforcement responses include citations, administrative orders with or without penalties, civil referrals to attorneys general or to the U.S. Department of Justice, filing criminal charges, and other sanctions. The timetable establishes when a PWS must have taken all corrective actions needed to return to compliance. This may be years, particularly when new construction and/or equipment are needed to return a PWS to compliance. If there

is risk to public health, EPA can issue emergency orders in accordance with the authority under Section 1431 of the SDWA that require the PWS to immediately take action to protect public health and return the system to compliance. In 2011, EPA and the Navajo Nation took 44 enforcement actions in Indian country<sup>9</sup>.

### ***Prioritization of PWSs in Indian Country for Enforcement***

Beginning in 2010, EPA and the Navajo Nation began implementing the revised ERP in Indian country, which changed the prioritization process to one that is more protective of public health. The policy also lays out expectations for timely and appropriate enforcement response. All unresolved violations at each PWS are considered in the prioritization process. Acute health-based violations are weighted most heavily in the prioritization. All PWSs are ranked according to the severity of their unresolved violations. This ranking allows primacy agencies to distinguish the PWSs with the most serious noncompliance and to allocate enforcement resources accordingly. The ERP can be found on EPA's website at [http://www2.epa.gov/sites/production/files/documents/drinking\\_water\\_erp\\_2009.pdf](http://www2.epa.gov/sites/production/files/documents/drinking_water_erp_2009.pdf).

About 19 percent (185) of all PWSs in Indian country were priorities for enforcement at least once during 2011. This is down from 24 percent in 2010. Approximately 10-14 percent of all systems in Indian country were priorities for enforcement in any given quarter. These rates are more than twice those at PWSs in the U.S. as a whole.

It is important to note that the number of enforcement actions in a year does not necessarily correlate with the violations that are reported in the same year. Most violations are resolved without the need for enforcement action of any kind. Many enforcement actions are initiated against violations that occurred in a previous year. One enforcement action may address numerous violations at the same PWS. It is also important to note that it may take several years for a PWS to return to full compliance once an enforcement action is initiated, such as when new treatment technology must be financed, procured, installed and brought online.

### ***Financial Assistance for PWSs in Indian Country***

EPA provides financial assistance to tribes to help build water system infrastructure and improve compliance with SDWA.

From the national PWSS program's allotment for FY2011, EPA set aside \$6,709,000 for activities in Indian country. These funds are available to support tribes that have received primacy (currently only the Navajo Nation), assist tribes with the development of primacy programs and individual components of PWSS programs, and support direct implementation activities in Indian country where EPA is the primacy agency. These funds are used for activities such as:

- Providing technical assistance to owners and operators of water systems.
- Maintaining compliance data systems.
- Compiling and analyzing compliance information.
- Responding to violations.
- Conducting sanitary surveys.

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<sup>9</sup> For purposes of this report, enforcement actions include a variety of administrative, civil and criminal actions, and other actions that primacy agencies use to address violations.

EPA distributes funds to improve the infrastructure of PWSs to achieve compliance. Each year, 2 percent of the appropriation for the national Drinking Water State Revolving Fund program is set aside for American Indian communities and Alaska Native Villages. The FY 2011 set-aside totaled \$19,261,000. These funds are used for:

- Distribution and transmission system improvements;
- Community water system extensions;
- Storage facilities;
- Treatment improvements; and
- Construction of new pump houses.

## **Part 3. Conclusions and Recommendations**

### **Compliance and Enforcement at U.S. Public Water Systems**

The data reported by primacy agencies indicate that 75 percent of PWSs in the U.S. had no significant violation of any type. Conversely, 25 percent of PWSs did have at least one significant violation. That rate was slightly less than 26 percent of PWSs in 2010.

The data reported by primacy agencies indicate that 6 percent of PWSs, serving about 18.7 million consumers, had violations of health-based standards in 2011. EPA believes that these rates are too high and that additional efforts are necessary to improve compliance.

In 2011, about 23,422, or 15 percent, of all PWSs had significant monitoring and reporting violations. This was a decrease from 16 percent of all PWSs in 2010. Failure to monitor and report prevents PWSs, regulators and consumers from knowing whether drinking water standards are being met.

EPA prioritized PWSs for enforcement based upon the revised Enforcement Response Policy (ERP). From 2010 to 2011 the percentage of PWSs classified as priorities for enforcement decreased from 9 percent in 2010 to 5 percent in 2011.

### **Compliance and Enforcement at Public Water Systems in Indian Country**

In 2011, primacy agencies reported that 42 percent of PWSs (418 systems) in Indian country had a significant violation of some type. This rate has generally been declining since 2007, ranging from 63-42 percent.

EPA regions and the Navajo Nation reported that 11 percent of the PWSs in Indian country had health-based violations and 34 percent had significant monitoring and reporting violations in 2011. This is of concern because if a system does not monitor and report on the quality of its water, it is impossible to know if health-based standards are being met. EPA is working to address these rates through effectively implementing the 2009 ERP and OECA's Guidance on the Enforcement Principles Outlined in the 1984 Indian Policy. Consultation with tribes, civil inspections and enforcement activity should help to ensure the same degree of protection of human health and environmental protection in Indian country as elsewhere in the U.S. About 19 percent of all PWSs in Indian country were priorities for enforcement at least once during 2011. Approximately 10-14 percent of all systems in Indian country were priorities for enforcement in any given quarter. While improving, these rates are still too high. EPA will continue to make improving PWS compliance in Indian country a high priority.

### **Conclusions**

The rates at which significant violations occur, according to data provided by primacy agencies, have shown a decrease from 2010 and generally over the five years for which trends were calculated. However, EPA considers these rates to be too high, and that further actions are necessary to improve noncompliance.

Since implementing the revised ERP in 2010, the number of PWSs that are priorities for enforcement decreased from 9 percent to 5 percent of all PWSs. This decrease reflects efforts on the part of EPA and states to provide assistance and other informal means to prevent noncompliance, address violations in a timely manner, and return violating PWSs to compliance as expeditiously as possible. Nevertheless, EPA believes that violation rates are still too high and that additional efforts are necessary to improve compliance.

EPA recognizes that there are higher rates of significance noncompliance in drinking water systems in Indian country than those outside of Indian country. EPA is increasing its efforts to prevent and address noncompliance in Indian country in an effort to reduce the disparity.

Compliance statistics are based on violations reported by primacy agencies to SDWIS/FED. EPA is aware of inaccuracies and underreporting of some data in this system. EPA is working with primacy agencies and internally to improve the quality of the data.

## **Recommendations**

### **1. *Continue to Improve Compliance***

States, territories, Navajo Nation, and EPA should continue working together and with the regulated entities to return violating systems to compliance, as efficiently and effectively as possible. Pursuing the more holistic, systems-based approach to addressing noncompliance in all primacy agencies is an important element of improving performance among PWSs.

### **2. *Improve Data Quality***

Data completeness and accuracy must remain a high priority for EPA and the primacy agencies. Without high quality data from primacy agencies, EPA cannot fulfill its responsibility to fully assess the state of compliance of the nation's PWSs and to communicate to the public, Congress and other oversight bodies.

Some of the next steps EPA, states, and the drinking water stakeholders have agreed to undertake include:

- Providing online error reporting on EPA's ECHO (Enforcement and Compliance History Online, <http://www.epa-echo.gov/echo/>) website containing data on PWS compliance.
- Encouraging states to issue regular reminders to water systems of their compliance monitoring schedules.
- Negotiating grant conditions with several states to encourage them to follow quality assurance/quality control plans for drinking water violation data reported to EPA and address the differences in interpretation of the regulation.
- Working with all states to implement the EPA Order CIO 2105.0 dealing with requirements for quality management systems.

### **3. *Continue to Implement the 2009 Enforcement Response Policy***

Primacy agencies will continue to pursue enforcement actions against violating PWSs - including those in Indian country - both to expeditiously return systems to compliance and to deter future violations. EPA and primacy agencies will continue to implement the 2009 ERP, which has already decreased the number of PWSs in significant noncompliance.

EPA will continue to work with primacy agencies as they implement the ERP by providing training and support as needed.

### **4. *Continue to Develop Capacity at Smaller Public Water Systems***

EPA will continue its efforts to support PWSs serving 10,000 or fewer consumers through the capacity development program. Recognizing the challenges facing these drinking water systems, EPA provides tools and assistance to develop system capacity (the technical, financial and managerial capacity of a

system to provide safe drinking water). The program also provides information about treatment technology options for small systems. EPA's capacity development efforts include:

- Numerous assistance activities, such as on-site visits and the distribution of easy-to-read guides and checklists.
- The Local Government Environmental Assistance Network (LGEAN) website, a source of free information on current and developing SDWA requirements (as well as technical assistance, peer counseling, and financial guidance). LGEAN can be accessed at <http://www.lgean.org> or by calling toll-free 1-877-TO-LGEAN (865-4326).
- The Financing for Environmental Compliance website providing financial and technical assistance resources to help communities create a plan to finance environmental capital assets. The website can be accessed at: <http://www.epa.gov/compliance/assistance/financing/steps>.
- Tools and resources assisting small PWSs with implementing drinking water regulations and managing their PWSs while providing adequate public health protection can be accessed at <http://water.epa.gov/type/drink/pws/smallsystems/index.cfm>.

### ***5. Continue to Increase Transparency of Data***

EPA believes that raising the public's awareness of the violations at PWSs will encourage PWSs to improve their compliance. In addition to the information in this report, data on the numbers and types of PWSs, populations served, source water, violations, enforcement actions and more are presented in various other formats on EPA's public website at the following URLs:

<http://water.epa.gov/scitech/datait/databases/drink/sdwisfed/howtoaccessdata.cfm>  
<http://www.epa.gov/enviro/>  
[http://www.epa-otis.gov/echo/compliance\\_report\\_sdwa.html](http://www.epa-otis.gov/echo/compliance_report_sdwa.html)

Readers should be aware that data in these reports and others using SDWIS/FED data may differ somewhat, depending on the specific queries used to generate each report.



# Appendix A

## Glossary of Terms

### **Administrative Order**

Formal enforcement actions issued by EPA or a state requiring action to address noncompliance at a public water system, usually by means of a compliance schedule with enforceable milestone dates.

### **Chemical Rules**

Refers collectively to regulations that protect the public from unsafe levels of organic chemicals, inorganic chemicals (including lead and copper), and radioactivity in drinking water.

### **Community Water System**

A PWS that serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents (e.g., homes, apartments and condominiums that are occupied year-round as primary residences).

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

Requires community water systems to prepare and provide to their consumers annual consumer confidence reports on the quality of the water delivered by the systems.

### **Disinfectant/Disinfection By-Product Rule (DBPR)**

Applies to community water systems and nontransient non-community systems, including those serving fewer than 10,000 people that add a disinfectant to the drinking water during any part of the treatment process. The Stage 1 DBPR specifically addresses risks associated with disinfectants and disinfection byproducts. This rule was published concurrently with the Interim Enhanced Surface Water Treatment Rule (IESWTR), which addresses control of microbial pathogens.

### **Enforcement Response Policy (ERP)**

On December 8, 2009, EPA issued the Public Water System Supervision Program Enforcement Response Policy (ERP), which establishes a water system-based approach to defining, prioritizing, and addressing noncompliance with federal requirements. The ERP can be found on EPA's website at [http://www2.epa.gov/sites/production/files/documents/drinking\\_water\\_erp\\_2009.pdf](http://www2.epa.gov/sites/production/files/documents/drinking_water_erp_2009.pdf).

### **Federally-recognized Indian Tribe**

An Indian tribe, band, nation, pueblo, community, or Alaska Native Village that the Secretary of the Interior acknowledges to exist as an Indian tribe pursuant to the Federally Recognized Indian Tribe List Act of 1994, 25 U.S.C. Section 479a. Maintained by the Department of the Interior, the list of federally-recognized tribes is updated periodically and published in the Federal Register. The latest list of federally-recognized Indian tribes is available at 75 Federal Register (FR) 60810 (October 1, 2010).

### **Filter Backwash Recycling Rule (FBRR)**

The FBRR requires PWSs that recycle to return specific recycle flows through all processes of the system's existing conventional or direct filtration systems or at an alternative location approved by the state.

**Ground Water Rule (GWR)**

The GWR establishes a risk-targeted approach to identify Ground Water Systems (GWSs) susceptible to fecal contamination and requires corrective action to correct significant deficiencies and source water fecal contamination in public GWSs.

**Health-based Violation**

A violation of a Maximum Contaminant Level, Maximum Residual Disinfectant Level, or a Treatment Technique requirement.

**Indian Country**

Indian Country means a) all land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and, including rights-of-way running through the reservation, (b) all dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a state, and (c) all Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

**Interim Enhanced Surface Water Treatment Rule (IESWTR)**

Applies to PWSs using surface water, or groundwater under the direct influence of surface water that serve more than 10,000 persons. The rule also includes provisions for states to conduct sanitary surveys for surface water PWSs regardless of system size.

**Large System**

Large systems are those public water systems that serve more than 10,000 people. For purposes of this report, medium systems, which serve 3,301 to 10,000 people, are included in the discussions of large systems.

**Lead and Copper Rule (LCR)**

Requires a PWS to take steps to minimize the risk of exposure to lead and copper in drinking water by monitoring for these contaminants, installing corrosion control where required, and, where necessary, educating the public about ways to reduce exposure. A system may also be required to treat its source water or replace lead service lines.

**Maximum Contaminant Level**

The maximum permissible level of a contaminant in water delivered to any user of a public water system.

**Maximum Residual Disinfectant Level**

The maximum permissible level of a residual disinfectant in water delivered to any user of a public water system.

**Medium System**

Medium systems are those public water systems that serve 3,301 to 10,000 people. For purposes of this report, medium systems are included in the discussions of large systems.

**Monitoring and Reporting Violation**

Refers to either a violation of a monitoring and reporting schedule or a violation of contaminant-specific minimum testing schedules and operational reporting requirements. Those monitoring and reporting violations considered “significant” for the purposes of the state and national PWS compliance reports are described below in Table A–1.

### **Non-transient Non-community Water System**

A non-community PWS that regularly serves at least 25 of the same persons over six months per year. A typical example of a non-transient non-community water system is a school or an office building that has its own water source, such as a drinking water well.

### **Primacy**

The SDWA requires EPA, states, and tribes to work as partners to ensure delivery of safe drinking water to the public. Any state or Indian Tribe can request responsibility for operation and oversight of the drinking water program within its borders. In order to receive this responsibility (called “primary enforcement authority” or “primacy”), a state or Tribe must show that, among other things, it has adopted drinking water regulations that are at least as stringent as Federal regulations, and demonstrated its capacity both to enforce those regulations and to implement other activities necessary to ensure compliance.

In the absence of state or Tribal primacy, EPA assumes responsibility for administering the drinking water program for that area. Of the 56 eligible States (defined to include Commonwealths, Territories, and the District of Columbia), all but Wyoming and the District of Columbia have primacy. During calendar year 2011, the EPA Regional Offices administered the drinking water program within these two jurisdictions and on all Tribal lands, except for the Navajo Nation.

### **Public Notice (PN) Rule**

The PN Rule requires all PWSs to notify their consumers any time a PWS violated a national primary drinking water regulation or has a situation posing a risk to public health. Notices must be provided to persons served (not just billing consumers).

### **Public Water System (PWS)**

A system for the provision to the public of water for human consumption through pipes or other constructed conveyances, if such system has at least 15 service connections or regularly serves at least 25 individuals at least 60 days out of the year. A public water system can be either a community water system, a non-transient non-community water system, or a transient non-community water system.

### **Radionuclides**

Radioactive particles, such as radium-226, radium-228, gross alpha, and beta particle/photon radioactivity, can occur naturally in water or may result from human activity. EPA has established MCLs for uranium, beta/photon emitters, alpha emitters, and combined radium 226/228.

### **Significant Noncompliance**

Violating PWSs identified as those that are the highest priority for enforcement. All unresolved violations not already under formal enforcement at each system are considered in the prioritization process. Acute health-based violations are weighted most heavily in the prioritization with minor violations weighted least.

### **Significant Violations**

Significant violations include all violations of health-based standards, including exceedances of Maximum Contaminant Levels (MCLs), Maximum Residual Disinfectant Level (MRDL), and violations of treatment technique rules; certain notification violations (i.e., complete failure to provide required notification); and major monitoring and reporting violations (failure to sample or to report results during a compliance period).

### **Small PWSs**

Small systems, for purposes of this report, are those that serve no more than 3,300 people.

**Surface Water Treatment Rule (SWTR)**

The Surface Water Treatment Rule requires a public water system served by surface water or by groundwater under the influence of surface water to take steps (such as disinfection, filtration followed by disinfection, or watershed control) to reduce potential exposure to microbiological contamination.

**Total Coliform Rule (TCR)**

The Total Coliform Rule establishes limits on coliform bacteria in water distribution systems. Although coliform bacteria, which are found in decaying organic material and in the intestinal tract of humans and animals, are usually not harmful to human health, their presence may indicate the presence of other, more dangerous microbial contamination.

**Transient Non-community Water System**

A non-community water system that does not regularly serve at least 25 of the same persons over six months per year (Note – see 40 CFR 141.2). A typical example is a campground or a highway rest stop that has its own water source, such as a drinking water well.

**Treatment Technique**

In cases where EPA has determined it is not technically or economically feasible to establish an MCL, the Agency can instead specify a treatment technique. These are treatment methods required by EPA to minimize the level of a contaminant in drinking water.

**Variances and Exemptions**

A public water system that cannot comply with a drinking water standard because of poor source water quality, or, in the case of small PWSs, inadequate financial resources, can be granted a variance to comply with less stringent, but still protective standards based on a specific EPA-approved technology available to the system. An exemption allows a PWS with compelling circumstances (including economic considerations) additional time to achieve compliance with applicable SDWA requirements, so long as public health is adequately protected.

**TABLE A-1: SIGNIFICANT MONITORING AND REPORTING VIOLATIONS FOR  
ANNUAL STATE PUBLIC WATER SYSTEM REPORTS**

| Rule                                                                                                | Violation Type                           | Description                                                                                                                                                                                                                                                                                  | SDWIS Violation Code <sup>1</sup> | SDWIS Contaminant Code |
|-----------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------|
| Total Coliform Rule                                                                                 | Major routine                            | No samples collected during a compliance period.                                                                                                                                                                                                                                             | 23                                | 3100                   |
|                                                                                                     | Major repeat                             | No follow-up samples collected after a positive total coliform sample or no speciation.                                                                                                                                                                                                      | 25                                | 3100                   |
| Surface Water Treatment Rule                                                                        | Major (filtered)                         | Collected less than 90 percent of samples required during a compliance period.                                                                                                                                                                                                               | 36                                | 200                    |
|                                                                                                     | Major (unfiltered)                       | Collected less than 90 percent of samples required during a compliance period.                                                                                                                                                                                                               | 31                                | 200                    |
| Interim Enhanced Surface Water Treatment Rule/<br>Long Term 1 Enhanced Surface Water Treatment Rule | Major                                    | Failure to produce and/or report to state individual filter profile within 7 days of exceedance (>0.5 NTU in 2 consecutive measurements taken 15 minutes apart).                                                                                                                             | 29                                | 300                    |
|                                                                                                     | Major                                    | Failure to produce and/or report to state individual filter profile within 7 days of exceedance (>1.0 NTU in 2 consecutive measurements taken 15 minutes apart).                                                                                                                             |                                   |                        |
|                                                                                                     | Major                                    | Failure to conduct and/or report to state a self-assessment of an individual filter within 14 days of exceedance (>1.0 NTU in 2 consecutive measurements taken 15 minutes apart in each of 3 consecutive months).                                                                            |                                   |                        |
|                                                                                                     | Major                                    | Failure to have a CPE conducted by state or third party no later than 30 days after exceedance (>2.0 NTU in 2 consecutive measurements taken 15 minutes apart in 2 consecutive months) and have the CPE completed and submitted to the state no later than 90 days following the exceedance. |                                   |                        |
|                                                                                                     | Major                                    | Failure to collect and report at least 90 percent of required samples.                                                                                                                                                                                                                       | 38                                |                        |
|                                                                                                     | Major                                    | Failure to report that the system has conducted all individual filter monitoring to the state within 10 days after the end of each month.                                                                                                                                                    |                                   |                        |
|                                                                                                     | Major                                    | Failure to report that the system has exceeded 1.0 NTU (or maximum set by state) in representative samples by end of next business day.                                                                                                                                                      |                                   |                        |
|                                                                                                     | N/A                                      | Failure to maintain the results of individual filter monitoring for at least 3 years.                                                                                                                                                                                                        | 9                                 |                        |
| Lead and Copper Rule                                                                                | Initial lead and copper tap              | Either failed to collect the initial tap samples, and then failed to correct that omission within a) 3 months for large systems, b) 6 months for medium systems or c) 12 months for small systems; or failed to submit the associated report.                                                | 51                                | 5000                   |
|                                                                                                     | Follow-up or routine lead and copper tap | Failure to collect 1 or more required samples.                                                                                                                                                                                                                                               | 52                                | 5000                   |

**TABLE A-1: SIGNIFICANT MONITORING AND REPORTING VIOLATIONS FOR  
ANNUAL STATE PUBLIC WATER SYSTEM REPORTS**

|                  |  | <b>Rule</b>                            | <b>Violation Type</b> | <b>Description</b>                                     | <b>SDWIS Violation Code<sup>1</sup></b> | <b>SDWIS Contaminant Code</b>            |
|------------------|--|----------------------------------------|-----------------------|--------------------------------------------------------|-----------------------------------------|------------------------------------------|
|                  |  | <b>Stage 1 Disinfection Byproducts</b> | Regular monitoring    | Failure to collect any required samples <sup>2</sup> . | 27, 30, 35                              | By contaminant                           |
|                  |  | <b>Ground Water Rule</b>               | Monitoring            | Monitoring of Treatment (unfiltered/GWR)               | 31                                      |                                          |
| C<br>h<br>e<br>m |  | <b>Phase I, II, IIB and V Rules</b>    | Regular monitoring    | Failure to collect any required samples <sup>2</sup> . | 03, 04                                  | By contaminant                           |
|                  |  | <b>Radionuclides</b>                   | Regular monitoring    | Failure to collect any required samples <sup>2</sup> . | 03, 04                                  | 4000, 4100, 4010, 4006, 4101, 4102, 4174 |

1 EPA's Safe Drinking Water Information System (SDWIS/FED) makes no distinction between the sampling violations and the reporting violations associated with a sample collection requirement. Both violations are reported under the same violation code.

2 Failure to collect "any required samples" means none of the required samples were collected.

**TABLE A-2: SUMMARY OF DRINKING WATER REGULATIONS FOR  
PUBLIC WATER SYSTEMS DURING 2011**

| <b>Applicability of Regulations</b>                      |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                     |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contaminant/Rule</b>                                  | <b>Community Water Systems</b>                                                                                                                                                                                                                      | <b>Non-Transient Non-Community Water Systems</b>                                                                                                                                                                                                    | <b>Transient Non-Community Water Systems</b>                                                                                                                                                                                                        |
| <b>Organic Contaminants</b>                              | All                                                                                                                                                                                                                                                 | All (Note: acrylamide and epichlorohydrin do not have MCLs and only have treatment techniques)                                                                                                                                                      | None                                                                                                                                                                                                                                                |
| <b>Total Trihalomethanes Contaminants (TTHM)</b>         | All PWSs, using surface water or ground water under the direct influence of surface water (GWUDI), which disinfect their water (a.k.a. Subpart H systems)                                                                                           | All PWSs, using surface water or GWUDI, which disinfect their water (a.k.a. Subpart H systems)                                                                                                                                                      | All PWSs, using surface water or GWUDI, which disinfect their water (a.k.a. Subpart H systems)                                                                                                                                                      |
| <b>Inorganic Contaminants (IOCs)</b>                     | All                                                                                                                                                                                                                                                 | Prior to the 2001 Arsenic Rule, all IOCs except for arsenic. After the 2001 Arsenic Rule all IOCs.                                                                                                                                                  | None                                                                                                                                                                                                                                                |
| <b>Nitrate and Nitrite Contaminants</b>                  | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 |
| <b>Radionuclide Contaminants</b>                         | All                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                | None                                                                                                                                                                                                                                                |
| <b>Total Coliform Rule</b>                               | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 |
| <b>Surface Water Treatment</b>                           | Some<br>Only PWSs using surface water or GWUDI                                                                                                                                                                                                      | Some<br>Only PWSs using surface water or GWUDI                                                                                                                                                                                                      | Some<br>Only PWSs using surface water or GWUDI                                                                                                                                                                                                      |
| <b>Lead and Copper Rule</b>                              | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                |
| <b>Interim Enhanced Surface Water Treatment Rule</b>     | For sanitary surveys all PWSs using surface water or GWUDI; for other requirements those systems serving 10,000 or more people                                                                                                                      | For sanitary surveys all PWSs using surface water or GWUDI; for other requirements those systems serving 10,000 or more people                                                                                                                      | For sanitary surveys all PWSs using surface water or GWUDI; for other requirements those systems serving 10,000 or more people                                                                                                                      |
| <b>Stage 1 Disinfectant/Disinfection By-Product Rule</b> | All PWSs adding a disinfectant to the drinking water                                                                                                                                                                                                | All PWSs adding disinfectant to the drinking water                                                                                                                                                                                                  | Those PWSs using chlorine dioxide                                                                                                                                                                                                                   |
| <b>Filter Backwash Recycling Rule</b>                    | Conventional or direct filtration PWSs using surface water or GWUDI and recycle spent filter backwash, thickener supernatant, or liquids from dewatering processes                                                                                  | Conventional or direct filtration PWSs using surface water or GWUDI and recycle spent filter backwash, thickener supernatant, or liquids from dewatering processes                                                                                  | Conventional or direct filtration PWSs using surface water or GWUDI and recycle spent filter backwash, thickener supernatant, or liquids from dewatering processes                                                                                  |
| <b>Ground Water Rule</b>                                 | All PWSs that use ground water, including consecutive systems, except that it does not apply to PWSs that combine all of their ground water with surface water or with ground water under the direct influence of surface water prior to treatment. | All PWSs that use ground water, including consecutive systems, except that it does not apply to PWSs that combine all of their ground water with surface water or with ground water under the direct influence of surface water prior to treatment. | All PWSs that use ground water, including consecutive systems, except that it does not apply to PWSs that combine all of their ground water with surface water or with ground water under the direct influence of surface water prior to treatment. |
| <b>Public Notification</b>                               | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 | All                                                                                                                                                                                                                                                 |
| <b>Consumer Confidence Rule</b>                          | All                                                                                                                                                                                                                                                 | None                                                                                                                                                                                                                                                | None                                                                                                                                                                                                                                                |

# Appendix B

## Summaries of State Annual Compliance Reports

This Appendix presents a summary of each primacy agency report in a standardized format. The format includes an overall summary of the violations data specified in Section 1414 of the 1996 SDWA Amendments (i.e., violations with respect to MCLs, TT violations, significant monitoring and reporting requirements, significant notification violations and variances and exemptions).

This Appendix does not interpret the state reports. Therefore, other factors must be taken into account before drawing conclusions about a program. For example, PWSs are required to report all violations to the primacy agency, but drinking water programs vary in the regulations they choose to emphasize. A primacy agency that decided to focus attention and resources on one particular rule may have discovered and reported many more violations of that rule than a primacy agency that chose to focus on a different rule. A disproportionate number of violations in a state, Commonwealth, Territory, or tribe could also indicate that the primacy agency needs to work with its PWSs to improve their compliance. Readers are cautioned to view the violations data provided in the summaries within the context of each primacy agency and its individual drinking water program.

In 2011, EPA received Public Water System Compliance Reports from 43 of the 55 primacy states, Commonwealths, Territories and tribes. As in past years, American Samoa, Guam, the Northern Mariana Islands and Navajo Nation did not submit reports and, with limited exceptions, did not supply information to SDWIS/FED. EPA did not receive reports from 8 primacy agencies as indicated in Table B-1. Appendix B supplies what information is available in SDWIS/FED to indicate violations at public water systems in the states, Commonwealths, Territories and tribes that did not submit compliance reports in 2011.

EPA prepared reports for the District of Columbia and Wyoming, which did not have primary enforcement responsibility for drinking water in calendar year 2011.

### **Violations for 2011**

EPA summarizes the number of MCL, MDRL, TT and significant monitoring and reporting violations<sup>1</sup> reported by each state in six categories:

- Violations of chemical contaminant requirements<sup>10</sup>;
- Violations of the Total Coliform Rule;
- Violations of the Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term 1 Enhanced Surface Water Treatment Rule and Filter Backwash Recycling Rule;
- Violations of the Lead and Copper Rule;
- Significant Notification or Consumer Confidence Rule Violations; and
- Violations of the Disinfection/Disinfectant Byproducts Rule.

EPA summarizes the numbers of individual public water systems in violation in each of these six categories, as reported by the state. If a state's report did not include information in a category, EPA's summary notes the omission.

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<sup>1</sup> A comprehensive definition of significant monitoring and reporting violations appears in Appendix A.

<sup>10</sup> MCL and significant monitoring violations for organic, inorganic, total trihalomethane (TTHM), nitrate and nitrite, and radionuclide contaminants.



**2011 Totals**

EPA also summarizes the total number of systems in each state, the total number of significant violations reported and the total number of PWSs in violation, if the state reported this information. When states did not provide information on the total number of public water systems, EPA supplied that information from the SDWIS/FED.

**Systems in Violation**

Systems in violation are defined as the number of different systems with a reported violation of this type. Some states counted a system with multiple violations or violations in more than one category as one violating system. Other states counted a violating system each time it had a violation, or once for each of the regulatory categories in which it had a violation. If EPA's review of a state's report indicated some violating systems were counted more than once, an asterisk notes that the state's number possibly over counts violating systems.

**Variances and Exemptions**

Fourteen violations of variances or exemptions were reported by the primacy agencies during 2011.

**Where to Obtain the 2011 Annual Public Water Systems Report**

If a primacy agency's report includes information on how to obtain a copy of the report, the information is provided on the primacy agency's summary page in this Appendix.

Table B-1: Summary of Elements Reported in the 2011 State Reports

| State                    | Submitted Report       | Violation Categories |     |     |    | Reported on V/E | Provided Inventory Information | Identified Size and Type of Violating Systems | Discussed Compliance and Enforcement Responses | Identified Each System with MCL and TT Violations | Provided Information to Public on Availability | Provided Additional Information <sup>1</sup> |
|--------------------------|------------------------|----------------------|-----|-----|----|-----------------|--------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------|
|                          |                        | CCR                  | MCL | M/R | TT |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Alabama                  | X                      | X                    | X   | X   | X  |                 |                                |                                               |                                                | X                                                 | X                                              | X                                            |
| Alaska                   | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| American Samoa           | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Arizona                  | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Arkansas                 | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| California               | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Colorado                 | X                      | X                    | X   | X   | X  | X               |                                |                                               |                                                | X                                                 | X                                              | X                                            |
| Connecticut              | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Delaware                 | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| District of Columbia     | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| Florida                  | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                |                                                   | X                                              | X                                            |
| Georgia                  | X                      | X                    | X   | X   | X  | X               |                                |                                               |                                                |                                                   | X                                              | X                                            |
| Guam                     | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Hawaii                   | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                | X                                                 | X                                              | X                                            |
| Idaho                    | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Illinois                 | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| Indiana                  | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Iowa                     | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Kansas                   | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| Kentucky                 | X                      | X                    | X   | X   | X  |                 |                                | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Louisiana                | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Maine                    | X                      | X                    | X   | X   | X  |                 | X                              |                                               |                                                |                                                   |                                                | X                                            |
| Maryland                 | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 |                                                | X                                            |
| Massachusetts            |                        | X                    | X   | X   | X  | X               | X                              | X                                             |                                                | X                                                 | X                                              | X                                            |
| Michigan                 | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                | X                                                 | X                                              | X                                            |
| Minnesota                | X                      |                      | X   | X   | X  |                 | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Mississippi              | X                      | X                    | X   | X   | X  |                 | X                              | X                                             |                                                | X                                                 |                                                | X                                            |
| Missouri                 | X                      | X                    | X   | X   | X  |                 | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| Montana                  | X                      | X                    | X   | X   | X  |                 |                                |                                               |                                                |                                                   | X                                              |                                              |
| Nebraska                 | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              |                                                   | X                                              | X                                            |
| Nevada                   | X                      | X                    | X   | X   | X  |                 | X                              |                                               |                                                | X                                                 | X                                              | X                                            |
| New Hampshire            | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| New Jersey               | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                | X                                                 |                                                | X                                            |
| New Mexico               | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              |                                                   | X                                              | X                                            |
| New York                 | X                      |                      | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| North Carolina           | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                |                                                   | X                                              | X                                            |
| North Dakota             | X                      | X                    | X   | X   | X  |                 | X                              |                                               |                                                |                                                   | X                                              | X                                            |
| Northern Mariana Islands | X                      | X                    | X   | X   | X  |                 | X                              |                                               | X                                              |                                                   | X                                              | X                                            |
| Ohio                     | X                      | X                    | X   | X   | X  |                 |                                | X                                             | X                                              | X                                                 |                                                | X                                            |
| Oklahoma                 | X                      | X                    | X   | X   | X  |                 | X                              |                                               | X                                              |                                                   | X                                              | X                                            |
| Oregon                   |                        | X                    | X   | X   | X  |                 |                                | X                                             | X                                              | X                                                 |                                                | X                                            |
| Pennsylvania             |                        | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Puerto Rico              | X                      |                      | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| Rhode Island             | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              |                                                   |                                                | X                                            |
| South Carolina           | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 | X                                              | X                                            |
| South Dakota             | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                |                                                   | X                                              | X                                            |

Table B-1: Summary of Elements Reported in the 2011 State Reports

| State          | Submitted Report       | Violation Categories |     |     |    | Reported on V/E | Provided Inventory Information | Identified Size and Type of Violating Systems | Discussed Compliance and Enforcement Responses | Identified Each System with MCL and TT Violations | Provided Information to Public on Availability | Provided Additional Information <sup>1</sup> |
|----------------|------------------------|----------------------|-----|-----|----|-----------------|--------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------|
|                |                        | CCR                  | MCL | M/R | TT |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Tennessee      | X                      | X                    | X   | X   | X  | X               | X                              |                                               | X                                              | X                                                 |                                                | X                                            |
| Texas          | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Utah           | X                      | X                    | X   | X   | X  |                 |                                |                                               | X                                              | X                                                 | X                                              | X                                            |
| Vermont        | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Virgin Islands | DID NOT SUBMIT REPORT. |                      |     |     |    |                 |                                |                                               |                                                |                                                   |                                                |                                              |
| Virginia       | X                      | X                    | X   | X   | X  |                 | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| Washington     | X                      | X                    | X   | X   | X  | X               | X                              | X                                             | X                                              | X                                                 | X                                              | X                                            |
| West Virginia  | X                      | X                    | X   | X   | X  |                 | X                              | X                                             | X                                              | X                                                 |                                                | X                                            |
| Wisconsin      | X                      | X                    | X   | X   | X  |                 | X                              |                                               | X                                              |                                                   | X                                              | X                                            |
| Wyoming        | X                      | X                    | X   | X   | X  | X               | X                              |                                               |                                                | X                                                 | X                                              | X                                            |

1. An "x" in this column indicates the state submitted more information in its report than the minimum EPA recommends in guidance.

M/R – monitoring and reporting

Table B-2: Summary of the Total Number of Regulated Systems, Systems with Significant Violations and Significant Violations Reported in the 2011 State Reports or SDWIS/FED

| State                | Total Number of Regulated Systems | Total Number of Systems with Significant Violations | Total Number of Significant Violations |
|----------------------|-----------------------------------|-----------------------------------------------------|----------------------------------------|
| Alabama              | NR                                | NR                                                  | 199                                    |
| Alaska               | 1,556                             | 667                                                 | 5,610*                                 |
| American Samoa       | 16                                | 12                                                  | 535                                    |
| Arizona              | 1,573                             | 868                                                 | 2,444                                  |
| Arkansas             | 1,111                             | 330                                                 | 622                                    |
| California           | 7,781                             | 1,307                                               | 2,276                                  |
| Colorado             | NR                                | NR                                                  | 2,646                                  |
| Connecticut          | 2,605                             | 1,452**                                             | 3,171                                  |
| Delaware             | 496                               | 62                                                  | 180                                    |
| District of Columbia | 10                                | 4                                                   | 7                                      |
| Florida              | 5,534                             | 630                                                 | 1,695*                                 |
| Georgia              | NR                                | NR                                                  | 1,469                                  |
| Guam                 | 9                                 | 1                                                   | 1                                      |
| Hawaii               | 130                               | 23                                                  | 59                                     |
| Idaho                | 1,957                             | 592                                                 | 2,112                                  |
| Illinois             | 5,761                             | 635                                                 | 4,838                                  |
| Indiana              | 4,221                             | 1,475                                               | 3,327*                                 |
| Iowa                 | 1,966                             | 488**                                               | 1,020*                                 |
| Kansas               | 1,035                             | 339                                                 | 398                                    |
| Kentucky             | NR                                | 143                                                 | 668                                    |
| Louisiana            | 1,410                             | 381                                                 | 630                                    |
| Maine                | 1,875                             | NR                                                  | 1,250                                  |
| Maryland             | 3,559                             | NR                                                  | 1,404                                  |
| Massachusetts        | NR                                | NR                                                  | 1,159                                  |
| Michigan             | 11,302                            | 1,955                                               | 4,037*                                 |
| Minnesota            | 7,128                             | NR                                                  | 423                                    |
| Mississippi          | NR                                | 210                                                 | 356                                    |
| Missouri             | 2,797                             | NR                                                  | 2,056                                  |
| Montana              | NR                                | 670                                                 | 3,420                                  |

| State                    | Total Number of Regulated Systems | Total Number of Systems with Significant Violations | Total Number of Significant Violations |
|--------------------------|-----------------------------------|-----------------------------------------------------|----------------------------------------|
| Navajo Nation            | 163                               | 46                                                  | 160                                    |
| Nebraska                 | 1,319                             | NR                                                  | 596                                    |
| Nevada                   | 558                               | 207                                                 | 1,064                                  |
| New Hampshire            | 2,483                             | NR                                                  | 1,415                                  |
| New Jersey               | 3,950                             | NR                                                  | 2,694                                  |
| New Mexico               | 1,195                             | 685                                                 | 1,022*                                 |
| New York                 | 8,979                             | 3,967                                               | 7,069                                  |
| North Carolina           | 6,139                             | NR                                                  | 5,211                                  |
| North Dakota             | 512                               | 74                                                  | 138*                                   |
| Northern Mariana Islands | 75                                | NR                                                  | 964                                    |
| Ohio                     | NR                                | NR                                                  | 2,861                                  |
| Oklahoma                 | 1,641                             | 1,122                                               | 2,519                                  |
| Oregon                   | NR                                | 1,130                                               | 3,962                                  |
| Pennsylvania             | 9,298                             | 2,611                                               | 12,330*                                |
| Puerto Rico              | 490                               | NR                                                  | 2,321                                  |
| Rhode Island             | 490                               | 134                                                 | 168*                                   |
| South Carolina           | 1,448                             | 152                                                 | 240*                                   |
| South Dakota             | 652                               | 228                                                 | 867*                                   |
| Tennessee                | 853                               | 150                                                 | 280                                    |
| Texas                    | 6,961                             | 2,746                                               | 5,442                                  |
| Utah                     | NR                                | NR                                                  | 4,172                                  |
| Vermont                  | 1,367                             | NR                                                  | 666                                    |
| Virgin Islands           | 305                               | 167                                                 | 370                                    |
| Virginia                 | 2,852                             | 779                                                 | 2,282                                  |
| Washington               | 4,133                             | 1,016                                               | 11,983                                 |
| West Virginia            | 929                               | NR                                                  | 330                                    |
| Wisconsin                | 11,444                            | NR                                                  | 1,851                                  |
| Wyoming                  | 787                               | 190                                                 | 288                                    |

\*The total number of violations in the report differs from the calculated total.

\*\* Possible over counting of violating systems.

# State Report Summaries

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# State of Alabama 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 108                    | 8*                   |
| Total Coliform Rule                                                                                             | 25         | 25                   |                     |                      | 28                     | 18                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 11                     | 11                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 1                      | 1                    |
| Disinfection Byproducts Rule                                                                                    | 26         | 13                   | 0                   | 0                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

## 2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | NR  |
| Total Number of Systems in Violation | NR  |
| Total Number of Violations           | 199 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Alabama's 2011 State Report is available by accessing the state's web site or by contacting:

Contact Name: Tom DeLoach

Telephone: (334) 279-7791

Fax: (334) 279-3051

E-mail: [tsd@adem.state.al.us](mailto:tsd@adem.state.al.us)

Web site: <http://www.adem.state.al.us>

# State of Alaska 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 7          | 5                    |                     |                      | 3,608                  | 104                  |
| Total Coliform Rule                                                                                             | 30         | 26                   |                     |                      | 747                    | 426                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 121                 | 48                   | 291                    | 75                   |
| Lead and Copper Rule                                                                                            |            |                      | 13                  | 12                   | 403                    | 225                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 39                     | 21                   |
| Disinfection Byproducts Rule                                                                                    | 91         | 28                   | 4                   | 3                    | 256                    | 126                  |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,556 |
| Total Number of Systems in Violation | 667   |
| Total Number of Violations           | 5610* |

\*The total number of violations in the report (5,620) differs from the calculated total (5,610) because of the inclusion of the 10 public notification violations.

## Where to Obtain the 2011 Annual State Public Water Systems Report

Alaska's 2011 State Report is available by accessing the state's web site or by contacting:

Dept of Environmental Conservation  
Drinking Water Program  
555 Cordova Street  
Anchorage, AK 99501

Contact Name: Jeanine Oakland  
Telephone: (907) 269-2007  
Facsimile: (907) 269-7650  
Email: [jeanine.oakland@alaska.gov](mailto:jeanine.oakland@alaska.gov)

Contact Name: Kelly Cobbs  
Telephone: (907) 269-7630  
Facsimile: (907) 269-7655  
Email: [kelly.cobbs@alaska.gov](mailto:kelly.cobbs@alaska.gov)

Web site: <http://www.dec.state.ak.us/eh/dw/index.htm>

State of American Samoa 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | NR         | NR                   |                     |                      | 384                    | 10*                  |
| Total Coliform Rule                                                                                             | 60         | 8                    |                     |                      | 5                      | 4                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 67                  | 5                    | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 5                      | 5                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 5                      | 5                    |
| Disinfection Byproducts Rule                                                                                    | 3          | 1                    | NR                  | NR                   | 3                      | 1                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 3                      | 2                    |

\*Possible over counting of violating systems.

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 16  |
| Total Number of Systems in Violation | 12  |
| Total Number of Violations           | 535 |

Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.



# State of Arizona 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 261        | 80*                  |                     |                      | 489                    | 273*                 |
| Total Coliform Rule                                                                                             | 83         | 74                   |                     |                      | 924                    | 512                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 465                    | 236                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 222                    | 120                  |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,573 |
| Total Number of Systems in Violation | 868   |
| Total Number of Violations           | 2,444 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

# State of Arkansas 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 26         | 8*                   |                     |                      | 0                      | 0                    |
| Total Coliform Rule                                                                                             | 93         | 70                   |                     |                      | 234                    | 154                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 19                  | 10                   | 29                     | 10                   |
| Lead and Copper Rule                                                                                            |            |                      | 17                  | 15                   | 51                     | 35                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 65                     | 57                   |
| Disinfection Byproducts Rule                                                                                    | 65         | 33                   | 0                   | 0                    | 10                     | 8                    |
| Ground Water Rule                                                                                               |            |                      | 2                   | 7                    | 11                     | 6                    |

\* Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,111 |
| Total Number of Systems in Violation | 330   |
| Total Number of Violations           | 622   |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Arkansas' State Report is available by accessing the state's web site.

Web site: <http://www.healthy.arkansas.gov/programsServices/environmentalHealth/Engineering/Pages/ReportsandForms.aspx>

# State of California 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 486        | 195*                 |                     |                      | 27                     | 24*                  |
| Total Coliform Rule                                                                                             | 407        | 305                  |                     |                      | 344                    | 271                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 136                 | 61                   | 15                     | 8                    |
| Lead and Copper Rule                                                                                            |            |                      | 7                   | 6                    | 378                    | 342                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 358                    | 277                  |
| Disinfection Byproducts Rule                                                                                    | 102        | 36                   | 8                   | 8                    | 8                      | 7                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 7,781 |
| Total Number of Systems in Violation | 1,307 |
| Total Number of Violations           | 2,276 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

State of Colorado 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 386        | 60                   |                     |                      | 1,402                  | 144                  |
| Total Coliform Rule                                                                                             | 38         | 28                   |                     |                      | 272                    | 205                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 51                  | 27                   | 77                     | 44                   |
| Lead and Copper Rule                                                                                            |            |                      | 1                   | 1                    | 107                    | 73                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 43                     | 34                   |
| Disinfection Byproducts Rule                                                                                    | 102        | 21                   | 4                   | 2                    | 137                    | 84                   |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | 26                     | 26                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 2,646 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Colorado's State Report is available by accessing the state's web site or by contacting:

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

Rick Koplitz  
 WQCD Drinking Water Compliance Assurance Unit  
 Telephone: (303) 692-3664  
 Email: rick.koplitz@state.co.us

Web site: <http://www.cdphe.state.co.us/wq/drinkingwater>

State of Connecticut 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 79         | 22                   |                     |                      | 2,126                  | 193                  |
| Total Coliform Rule                                                                                             | 212        | 159                  |                     |                      | 391                    | 305                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 4                      | 4                    |
| Lead and Copper Rule                                                                                            |            |                      | 12                  | 11                   | 101                    | 97                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 142                    | 114                  |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 0                   | 0                    | 31                     | 18                   |
| Ground Water Rule                                                                                               |            |                      | 11                  | 10                   | 62                     | 49                   |

2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 2,605  |
| Total Number of Systems in Violation | 1,452* |
| Total Number of Violations           | 3,171  |

\* Possible over counting of violating systems.

Where to Obtain the 2011 Annual State Public Water Systems Report

Connecticut's State Report is available by accessing the state's web site and clicking on the "Publications/Reports" button on the left column:

Web site: <http://www.ct.gov/dph/publicdrinkingwater>

# State of Delaware 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 25         | 17                   |                     |                      | 0                      | 0                    |
| Total Coliform Rule                                                                                             | 50         | 39                   |                     |                      | 0                      | 0                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 1                   | 1                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 29                     | 24                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 67                     | 21                   |
| Disinfection Byproducts Rule                                                                                    | 2          | 2                    | NR                  | NR                   | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 4                      | 4                    |

State report gives different counts in several tables, counts from the tables that list the systems in violation are shown here.

## 2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 496 |
| Total Number of Systems in Violation | 62  |
| Total Number of Violations           | 180 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Delaware's State Report is available by accessing the state's web site or by contacting:

Office of Drinking Water  
Division of Public Health  
43 S. DuPont Hwy.  
Dover, DE 19901

Telephone: (302) 741-8630

Fax: (302) 741-8631

Web site: <http://www.dhss.delaware.gov/dhss/dph/hsp/odw.html>

# District of Columbia 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 0                      | 0                    |
| Total Coliform Rule                                                                                             | 2          | 1                    |                     |                      | 0                      | 0                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 0                      | 0                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 0                      | 0                    |
| Disinfection Byproducts Rule                                                                                    | 1          | 1                    | 0                   | 0                    | 4                      | 4                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |    |
|--------------------------------------|----|
| Total Number of Regulated Systems    | 10 |
| Total Number of Systems in Violation | 4  |
| Total Number of Violations           | 7  |

## Where to Obtain the 2011 Annual State Public Water Systems Report:

District of Columbia's State Report is available by contacting:

Wendy Gray, P.E.  
 Acting District of Columbia PWSS Direct Implementation Team Leader  
 Drinking Water Branch (3WP21)  
 U.S. EPA Region III  
 1650 Arch Street  
 Philadelphia, PA 19103-2029  
 Telephone: (215) 814-5673  
 Fax: (215) 814-2302  
 E-mail: gray.wendy@epa.gov

Web site: <http://www.epa.gov/reg3wapd/drinking/dc.htm>

State of Florida 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 27         | 15                   |                     |                      | 696                    | 126                  |
| Total Coliform Rule                                                                                             | 132        | 116                  |                     |                      | 358                    | 280                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 3                   | 3                    | 47                     | 43                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 6                      | 6                    |
| Disinfection Byproducts Rule                                                                                    | 235        | 64                   | 0                   | 0                    | 173                    | 85                   |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | 18                     | 16                   |

2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 5,534  |
| Total Number of Systems in Violation | 630    |
| Total Number of Violations           | 1,695* |

\*The total number of violations in the report (1,727) differs from the calculated total (1,695) because of the inclusion of the 32 public notification violations.

Where to Obtain the 2011 Annual State Public Water Systems Report

Florida's State Report is available by accessing the state's website or by writing to:

2600 Blair Stone Road, MS 3520  
Tallahassee, Florida 32399-2400

Web site: <http://www.dep.state.fl.us/water/drinkingwater>



# State of Georgia 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 37         | 34*                  |                     |                      | 2                      | 1                    |
| Total Coliform Rule                                                                                             | 79         | 70                   |                     |                      | 460                    | 349                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 2                      | 2                    |
| Lead and Copper Rule                                                                                            |            |                      | 3                   | 2                    | 355                    | 290                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 480                    | 408                  |
| Disinfection Byproducts Rule                                                                                    | 24         | 10                   | 16                  | 16                   | 11                     | 11                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 1,469 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Georgia's State Report is available by accessing the state's website or by contacting:

Department of Natural Resources  
Environmental Protection Division  
Drinking Water Data Management/Reporting Unit  
2 Martin Luther King, Jr. Drive, Suite 1362 East  
Atlanta, GA 30334

Attention: Christopher Smith

Telephone: (404) 651-5162  
Email: [chris.smith@dnr.state.ga.us](mailto:chris.smith@dnr.state.ga.us)

Web site: <http://www.gaepd.org>

# Guam 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | NR         | NR                   |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | NR         | NR                   |                     |                      | NR                     | NR                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 1                      | 1                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |   |
|--------------------------------------|---|
| Total Number of Regulated Systems    | 9 |
| Total Number of Systems in Violation | 1 |
| Total Number of Violations           | 1 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

# State of Hawaii 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 48                     | 16*                  |
| Total Coliform Rule                                                                                             | 1          | 1                    |                     |                      | 7                      | 7                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 1                      | 1                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 0                      | 0                    |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 0                   | 0                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | 0                      | 0                    |

\*Possible over counting of violating systems.

## 2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 130 |
| Total Number of Systems in Violation | 23  |
| Total Number of Violations           | 59  |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Hawaii's State Report is available by accessing the state's website or by contacting:

Hawaii Department of Health  
Environmental Management Division  
Safe Drinking Water Branch  
919 Ala Moana Boulevard, Room 308  
Honolulu, HI 96814-4920

Attention: Joanna L. Seto, P.E., Environmental Program Manager  
Telephone: (808) 586-4258  
Fax: (808) 586-4351  
E-mail: [sdwb@doh.hawaii.gov](mailto:sdwb@doh.hawaii.gov)

Web site: <http://Hawaii.gov/health/environmental/sdwb/index.html>

# State of Idaho 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 173        | 51*                  |                     |                      | 1,146                  | 156*                 |
| Total Coliform Rule                                                                                             | 163        | 129                  |                     |                      | 327                    | 246                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 20                  | 10                   | 25                     | 15                   |
| Lead and Copper Rule                                                                                            |            |                      | 1                   | 1                    | 86                     | 72                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | 9          | 3                    | NR                  | NR                   | 95                     | 54                   |
| Ground Water Rule                                                                                               |            |                      | 31                  | 31                   | 36                     | 28                   |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,957 |
| Total Number of Systems in Violation | 592   |
| Total Number of Violations           | 2,112 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

# State of Illinois 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 234        | 108*                 |                     |                      | 3,941                  | 222*                 |
| Total Coliform Rule                                                                                             | 107        | 100                  |                     |                      | 181                    | 160                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 15                  | 14                   | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 3                   | 3                    | 71                     | 64                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 65                     | 60                   |
| Disinfection Byproducts Rule                                                                                    | 43         | 26                   | 4                   | 1                    | 172                    | 127                  |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | 2                      | 2                    |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 5,761 |
| Total Number of Systems in Violation | 635   |
| Total Number of Violations           | 4,838 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Illinois' State Report is available by accessing the state's website or by contacting:

Illinois EPA  
Bureau of Water, Compliance Assurance Section  
1021 North Grand Avenue East  
Springfield, IL 62794

Contact: Mike Crumly  
Email: [mike.crumly@illinois.gov](mailto:mike.crumly@illinois.gov)  
Telephone: (217) 785-0561  
Fax: (217) 557-1407

Web site: <http://www.epa.state.il.us/water/compliance/drinking-water/compliance-report/index.html>

# State of Indiana 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 52         | 38*                  |                     |                      | 990                    | 380*                 |
| Total Coliform Rule                                                                                             | 349        | 301                  |                     |                      | 1,290                  | 952                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 5                   | 3                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 5                   | 5                    | 65                     | 51                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 85                     | 77                   |
| Disinfection Byproducts Rule                                                                                    | 21         | 7                    | 4                   | 2                    | 40                     | 22                   |
| Ground Water Rule                                                                                               |            |                      | 4                   | 3                    | 103                    | 91                   |

\*Possible over counting of violating systems.

## 2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 4,221  |
| Total Number of Systems in Violation | 1,475  |
| Total Number of Violations           | 3,327* |

\*The total number of violations in the report (3,327) differs from the calculated total (3,013).

## Where to Obtain the 2011 Annual State Public Water Systems Report

Indiana's State Report is available by accessing the state's web site or by contacting:

Indiana Department of Environmental Management  
Office of Water Management  
Drinking Water Branch

Web site: <http://www.in.gov/idem/5093.htm>

Telephone: (317) 234-7430 or (317) 234-7435

# State of Iowa 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 88         | 37                   |                     |                      | 191                    | 136                  |
| Total Coliform Rule                                                                                             | 231        | 124                  |                     |                      | 425                    | 216                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 3                   | 2                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 25                     | 12                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 18                     | 18                   |
| Disinfection Byproducts Rule**                                                                                  | 1          | 1                    | 0                   | 0                    | 37                     | 35                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\* Possible over counting of violating systems.

\*\*TTHM and HAA are included in the Chemical Contaminant Group.

## 2011

|                                      |         |
|--------------------------------------|---------|
| Total Number of Regulated Systems    | 1,966   |
| Total Number of Systems in Violation | 488*    |
| Total Number of Violations           | 1,020** |

\* Possible over counting of violating systems.

\*\*The total number of violations in the report (1,020) differs from the calculated total (1,021).

## Where to Obtain the 2011 Annual State Public Water Systems Report

Iowa's State Report is available by accessing the state's web site or by contacting:

Iowa Department of Natural Resources-Water Supply  
401 SW 7th St., Suite M  
Des Moines, IA 50309-4611

Facsimile: (515) 725-0348

# State of Kansas 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 114*       | 44                   |                     |                      | 1                      | 1                    |
| Total Coliform Rule                                                                                             | 66**       | 58**                 |                     |                      | 22**                   | 9**                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 33                  | 11                   | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 31                     | 29                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 32                     | 32                   |
| Disinfection Byproducts Rule                                                                                    | 84         | 29                   | 12                  | 4                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | 1                   | 1                    | 2                      | 2                    |

\* Summary table indicates 111 violations, but adding the violation categories results in 114.

\*\*State report gives different counts in multiple places, counts from the summary table are shown here. Note that the tables Listing the violating systems has the Monitoring and Reporting and MCL numbers inverted.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,035 |
| Total Number of Systems in Violation | 339   |
| Total Number of Violations           | 398   |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Kansas' State Report is available by accessing the state's Web site:

Web site: <http://www.kdheks.gov/pws>



Commonwealth of Kentucky 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 1          | 1                    |                     |                      | 402                    | 18                   |
| Total Coliform Rule                                                                                             | 23         | 21                   |                     |                      | 19                     | 7                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 17                  | 13                   | 11                     | 2                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 49                     | 34                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 48                     | 30                   |
| Disinfection Byproducts Rule                                                                                    | 70         | 27                   | 5                   | 3                    | 23                     | 11                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | NR  |
| Total Number of Systems in Violation | 143 |
| Total Number of Violations           | 668 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Kentucky's State Report is available by accessing the state's web site or by contacting:

Frank Hall

Telephone: (502) 564-3410 ext. 4959

Web site: <http://www.water.ky.gov/DrinkingWater/Pages/AnnualComplianceReports.aspx>

State of Louisiana 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 6          | 6                    |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | 82         | 72                   |                     |                      | 43                     | 42                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 10                  | 5                    | 49                     | 6                    |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 250                    | 222                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 105                    | 86                   |
| Disinfection Byproducts Rule                                                                                    | 40         | 15                   | 10                  | 7                    | 13                     | 8                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 22                     | 20                   |

\*Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,410 |
| Total Number of Systems in Violation | 381   |
| Total Number of Violations           | 630   |

Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

State of Maine 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 51         | 19*                  |                     |                      | 220                    | 178*                 |
| Total Coliform Rule                                                                                             | 226        | 121                  |                     |                      | 657                    | 421                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 32                     | 29                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 3                      | 3                    |
| Disinfection Byproducts Rule                                                                                    | 41         | 13                   | NR                  | NR                   | 20                     | 20                   |
| Ground Water Rule**                                                                                             |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

\*\* Maine's reporting system does not allow for tracking of Groundwater Rule violations. Failure to monitor violations are entered as TC Failure to Monitor violations.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,875 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 1,250 |

Where to Obtain the 2011 Annual State Public Water Systems Report

The state report did not provide information regarding public availability.

# State of Maryland 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring* |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|-------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations              | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 60         | 37                   |                     |                      | 229                     | 136**                |
| Total Coliform Rule                                                                                             | 323        | 238                  |                     |                      | 446                     | 215                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 7                   | 7                    | 10                      | 5                    |
| Lead and Copper Rule                                                                                            |            |                      | 39                  | 39                   | 75                      | 70**                 |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 69                      | 68                   |
| Disinfection Byproducts Rule                                                                                    | 82         | 6                    | 0                   | 0                    | 64                      | 28                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                      | NR                   |

\*Monitoring and Reporting violations are only reported for PWSs in Montgomery, Prince George's and Wicomico Counties.

\*\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 3,559 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 1,404 |

## Where to Obtain 2011 Annual State Public Water Systems Report

The 2011 state report did not provide information regarding public availability.

Commonwealth of Massachusetts 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 17         | 11                   |                     |                      | 715                    | 81                   |
| Total Coliform Rule                                                                                             | 223        | 138                  |                     |                      | 94                     | 48                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 1                   | 1                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 73                  | 69                   | 5                      | 5                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 25                     | 24                   |
| Disinfection Byproducts Rule                                                                                    | 5          | 4                    | 1                   | 1                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 1,159 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Massachusetts' 2011 State Report is available by accessing the state's web site:

Web site: <http://www.mass.gov/dep/water/drinking.htm>

# State of Michigan 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 117        | 113                  |                     |                      | 2,477                  | 504                  |
| Total Coliform Rule                                                                                             | 414        | 367                  |                     |                      | 852                    | 690                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 1                      | 1                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 111                    | 108                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 3                      | 3                    |
| Disinfection Byproducts Rule                                                                                    | 9          | 2                    | 1                   | 1                    | 30                     | 16                   |
| Ground Water Rule                                                                                               |            |                      | 2                   | 2                    | 9                      | 7                    |

\*Possible over counting of violating systems.

## 2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 11,320 |
| Total Number of Systems in Violation | 1,955  |
| Total Number of Violations           | 4,037* |

\*The total number of violations in the report (4,037) differs from the calculated total (4,028) because of the inclusion of the 9 public notification violations.

## Where to Obtain the 2011 Annual State Public Water Systems Report

Michigan's State Report is available by accessing the state's web site or by contacting:

Noncommunity Drinking Water Program  
Environmental Health Programs Unit  
Drinking Water and Environmental Health Section (DWEHS)  
Mr. Daniel Dettweiler  
Telephone: (517) 241-1373  
E-mail: dettweilerd@michigan.gov

Community Drinking Water Unit  
Drinking Water and Environmental Health Section (DWEHS)  
Ms. Kristen Philip  
Telephone: (517) 241-1238  
E-mail: philipk@michigan.gov

Web site: <http://www.michigan.gov/deq>  
Click Water, then Drinking Water, then Community Water Supply

# State of Minnesota 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 83         | 83*                  |                     |                      | 8                      | 6                    |
| Total Coliform Rule                                                                                             | 210        | 210*                 |                     |                      | 66                     | 54                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 9                   | 9*                   | 11                     | 7                    |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 17                     | 17*                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | 19                     | 17                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\* Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 7,128 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 423   |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Minnesota's State Report is available by accessing the state's web site or by contacting:

Minnesota Department of Health  
Division of Environmental Health  
Drinking Water Protection Section  
625 North Robert Street  
P.O. Box 64975  
St. Paul, MN 55164-0975  
Telephone: (651) 201-4700

Web site: <http://www.health.state.mn.us/divs/eh/water/com/dwar/report10.html>

State of Mississippi 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 42                     | 2                    |
| Total Coliform Rule                                                                                             | 48         | 43                   |                     |                      | 35                     | 27                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 30                     | 29                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 107                    | 85                   |
| Disinfection Byproducts Rule                                                                                    | 47         | 19                   | 0                   | 0                    | 45                     | 38                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | NR  |
| Total Number of Systems in Violation | 210 |
| Total Number of Violations           | 356 |

Where to Obtain the 2011 Annual State Public Water Systems Report

The 2011 State Report did not provide information regarding public availability.



State of Missouri 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 118        | 22*                  |                     |                      | 214                    | 203*                 |
| Total Coliform Rule                                                                                             | 292        | 234                  |                     |                      | 1,003                  | 567                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 3                   | 2                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 121                    | 117                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 63                     | 63                   |
| Disinfection Byproducts Rule                                                                                    | 36         | 11                   | 0                   | 0                    | 8                      | 8*                   |
| Ground Water Rule                                                                                               |            |                      | 23                  | 22                   | 175                    | 142                  |

\*Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 2,797 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 2,056 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Missouri's State Report is available by accessing the state's web site or by contacting:

Missouri Department of Natural Resources  
 Water Protection Program  
 Public Drinking Branch  
 P.O. Box 176  
 Jefferson City, MO 65102-0176

Telephone: (800) 361-4827 or (573) 751-5331

Web site: <http://www.dnr.mo.gov/env/wpp/dw-index.htm>

State of Montana 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 51         | 21                   |                     |                      | 2,531                  | 229                  |
| Total Coliform Rule                                                                                             | 162        | 122                  |                     |                      | 460                    | 309                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 19                  | 10                   | 8                      | 5                    |
| Lead and Copper Rule                                                                                            |            |                      | 3                   | 3                    | 74                     | 67                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 82                     | 72                   |
| Disinfection Byproducts Rule                                                                                    | 20         | 9                    | 0                   | 0                    | 10                     | 5                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | 670   |
| Total Number of Violations           | 3,420 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Montana's State Report is available by accessing the state's web site or by contacting:

P.O. Box 200901  
Helena, MT 59620-0901

Contact: Eugene Pizzini  
Telephone: (406) 444-6972  
Fax: (406) 444-1375  
Email: epizzini@mt.gov

Web site: <http://www.deq.mt.gov/wqinfo/pws/index.asp>

Navajo Nation 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 4          | 4*                   |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | 13         | 12                   |                     |                      | 60                     | 25                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 8                      | 8                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 71                     | 25                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 4                      | 4                    |

\* Possible over counting of violating systems.

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 163 |
| Total Number of Systems in Violation | 46  |
| Total Number of Violations           | 160 |

Where to Obtain the 2011 Annual State Public Water Systems Report:

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

State of Nebraska 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 186        | 75*                  |                     |                      | 12                     | 22*                  |
| Total Coliform Rule                                                                                             | 255        | 194                  |                     |                      | 109                    | 101                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 1                   | 1                    | 2                      | 2*                   |
| Lead and Copper Rule                                                                                            |            |                      |                     |                      | 4                      | 4                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 1                      | 1                    |
| Disinfection Byproducts Rule                                                                                    | 14         | 6                    | 2                   | 1                    | 10                     | 4*                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\* Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,319 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 596   |

Where to Obtain the 2011 Annual State Public Water Systems Report:

Nebraska's State Report is available by accessing the state's web site or by contacting:

Nebraska Department of Health and Human Services  
 Division of Public Health  
 301 Centennial Mall South  
 P.O. Box 95026  
 Lincoln, NE 68509-5026

Contact: Jo Ann Wagner  
 Telephone: (402) 471-2541  
 Fax: (402) 471-6436  
 Email: joann.wagner@nebraska.gov

Web site: <http://www.dhhs.ne.gov/enh/pwsindex.htm>

State of Nevada 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | NR         | NR                   |                     |                      | 227                    | 91                   |
| Total Coliform Rule                                                                                             | NR         | NR                   |                     |                      | NR                     | NR                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | NR                     | NR                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | 16                     | 16                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 558   |
| Total Number of Systems in Violation | 207   |
| Total Number of Violations           | 1,064 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Nevada's State Report is available by accessing the state's web site or visiting county libraries in the state.

Web site: <http://ndep.nv.gov/BSDW/oversight.htm>

# State of New Hampshire 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 93         | 41*                  |                     |                      | 491                    | 60                   |
| Total Coliform Rule                                                                                             | 202        | 157                  |                     |                      | 376                    | 283                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 1                   | 1                    | 1                      | 1                    |
| Lead and Copper Rule                                                                                            |            |                      | 12                  | 12                   | 21                     | 20                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 48                     | 45                   |
| Disinfection Byproducts Rule                                                                                    | 25         | 5                    | 1                   | 1                    | 87                     | 83                   |
| Ground Water Rule                                                                                               |            |                      | 6                   | 6                    | 51                     | 49                   |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 2,483 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 1,415 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

New Hampshire's State Report is available by accessing the state's web site or by contacting:

New Hampshire Department of Environmental Services  
 Water Division, Drinking Water and Groundwater Bureau  
 29 Hazen Drive  
 PO Box 95  
 Concord, NH 03302-0095

Contact: Terri Sabbia  
 Telephone: (603) 271-2923  
 Email: [theresa.sabbia@doit.nh.gov](mailto:theresa.sabbia@doit.nh.gov)

Web site: [http://des.nh.gov/organization/divisions/water/dwgb/annual\\_report.htm](http://des.nh.gov/organization/divisions/water/dwgb/annual_report.htm)

State of New Jersey 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 89         | 32*                  |                     |                      | 1,612                  | 408*                 |
| Total Coliform Rule                                                                                             | 390        | 251                  |                     |                      | 281                    | 205                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 1                   | 1                    | 36                     | 34                   |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 47                     | 47                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 0                      | 0                    |
| Disinfection Byproducts Rule                                                                                    | 5          | 2                    | 1                   | 1                    | 57                     | 27                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 175                    | NR                   |

\*Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 3,950 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 2,694 |

Where to Obtain the 2011 Annual State Public Water Systems Report

The 2011 State Report did not provide information regarding public availability.

# State of New Mexico 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 143        | 55                   |                     |                      | 114                    | 6                    |
| Total Coliform Rule                                                                                             | 74         | 58                   |                     |                      | 167                    | 104                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 26                  | 11                   | 19                     | 4                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 166                    | 122                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 274                    | 190                  |
| Disinfection Byproducts Rule                                                                                    | 7          | 2                    | 12                  | 10                   | 18                     | 12                   |
| Ground Water Rule                                                                                               |            |                      | 2                   | 2                    | 0                      | 0                    |

\*Possible over counting of violating systems.

## 2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 1,195  |
| Total Number of Systems in Violation | 685    |
| Total Number of Violations           | 1,022* |

\*The total number of violations in the report (2,166) differs from the calculated total (1,022) partially because of the inclusion of the 1,170 public notification violations.

## Where to Obtain the 2011 Annual State Public Water Systems Report

New Mexico's State Report is available by accessing the state's web site or by contacting:

New Mexico Environment Department Drinking Water Bureau  
Telephone: (877) 654-8720

Web site: <http://www.nmenv.state.nm.us/dwb/>



# State of New York 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | NR         | NR                   |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | NR         | NR                   |                     |                      | NR                     | NR                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | NR                     | NR                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 8,979 |
| Total Number of Systems in Violation | 3,967 |
| Total Number of Violations           | 7,069 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

New York's State Report is available by accessing the state's web site or by contacting:

New York State Department of Health  
 Telephone: (800) 458-1158 or (518) 402-7650  
 Email: [bpwsp@health.state.ny.us](mailto:bpwsp@health.state.ny.us)

Web site: [http://www.health.ny.gov/environmental/water/drinking/violations/2011/2011\\_compliance\\_report.htm](http://www.health.ny.gov/environmental/water/drinking/violations/2011/2011_compliance_report.htm)

State of North Carolina 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 46         | 29*                  |                     |                      | 2,642                  | 2396*                |
| Total Coliform Rule                                                                                             | 248        | 193                  |                     |                      | 1,382                  | 818                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 146                    | 137                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 71                     | 71                   |
| Disinfection Byproducts Rule                                                                                    | 154        | 52                   | 0                   | 0                    | 293                    | 131                  |
| Ground Water Rule                                                                                               |            |                      | 1                   | 1                    | 228                    | 96                   |

\*Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 6,139 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 5,211 |

Where to Obtain the 2011 Annual State Public Water Systems Report

North Carolina's State Report is available by accessing the state's web site or by contacting:

Public Water Supply Section  
1634 Mail Service Center  
Raleigh, NC 27699-1634

Attention: Hornlean Chen  
Telephone: (919) 715-3222  
E-mail: Hornlean.Chen@ncdenr.gov

Website: <http://www.deh.enr.state.nc.us/pws/reportspubs.htm>

# State of North Dakota 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 17         | 5                    |                     |                      | 1                      | 1                    |
| Total Coliform Rule                                                                                             | 19         | 16                   |                     |                      | 68                     | 52                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 3                      | 3                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 0                      | 0                    |
| Disinfection Byproducts Rule                                                                                    | 3          | 2                    | 0                   | 0                    | 24                     | 23                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |      |
|--------------------------------------|------|
| Total Number of Regulated Systems    | 512  |
| Total Number of Systems in Violation | 74   |
| Total Number of Violations           | 138* |

\*The total number of violations in the report (138) differs from the calculated total (135).

## Where to Obtain the 2011 Annual State Public Water Systems Report

North Dakota's State Report is available by contacting:

North Dakota Department of Health  
Division of Municipal Facilities  
918 E Divide Avenue, 3rd Floor  
Bismarck, ND 58501-1947

Attention: LeeAnn Tillotson  
Telephone: (701) 328-5211 or (701) 328-5293  
Fax: (701) 328-5200  
E-mail: ltillots@nd.gov  
Web site: <http://www.ndhealth.gov/mf>

# Northern Mariana Islands 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 940                    | 5                    |
| Total Coliform Rule                                                                                             | 5          | 4                    |                     |                      | 4                      | 4                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 8                      | 4                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 6                      | 6                    |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 0                   | 0                    | 1                      | 1                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

## 2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 75  |
| Total Number of Systems in Violation | NR  |
| Total Number of Violations           | 964 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Northern Mariana Islands report is available by accessing the state's web site or by contacting:

CNMI Division of Environmental Quality  
 Safe Drinking Water Branch  
 P.O. Box 501304  
 Saipan, MP 96950  
 Telephone: (670) 664-8500/01  
 Fax: (670) 664-8540

Contact: Mr. Frank M. Rabauliman - Director  
 Email: frankrabauliman@deq.gov.mp

Contact: Jose M. Kaipat - Manager  
 Email: josekaipat@deq.gov.mp

Contact: Ms. Juliana Dela Rosa, SDWIS Administrator  
 Email: julianadelarosa@deq.gov.mp

Website: <http://www.deq.gov.mp/section.aspx?secID=5>  
 Click on 2011 Annual Public Water System Compliance Report

State of Ohio 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 52         | 22                   |                     |                      | 695                    | 183                  |
| Total Coliform Rule                                                                                             | 395        | 287                  |                     |                      | 811                    | 636                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 2                   | 2                    | 11                     | 7                    |
| Lead and Copper Rule                                                                                            |            |                      | 64                  | 51                   | 446                    | 390                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 78                     | 54                   |
| Disinfection Byproducts Rule                                                                                    | 79         | 26                   | 118                 | 64                   | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | 1                   | 1                    | 109                    | 106                  |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 2,861 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Ohio's State Report is available by accessing the web site:

Web site:  
<http://www.epa.ohio.gov/>

State of Oklahoma 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 160        | 48*                  |                     |                      | 522                    | 34*                  |
| Total Coliform Rule                                                                                             | 84         | 75                   |                     |                      | 995                    | 501*                 |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 41                  | 19                   | 6                      | 1                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 169                    | 132                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 438**                  | 146**                |
| Disinfection Byproducts Rule                                                                                    | 336        | 89                   | 101                 | 34                   | 105                    | 43                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Possible over counting of violating systems.

\*\*CCR and PN are calculated together.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,641 |
| Total Number of Systems in Violation | 1,122 |
| Total Number of Violations           | 2,519 |

Where to Obtain the 2011 Annual State Public Water Systems Report:

Oklahoma's State report is available by accessing the state's web site or by contacting:

Department of Environmental Quality  
 Water Quality Division, 7th Floor  
 707 N. Robinson  
 Oklahoma City, OK 73101-1677  
 Contact: Jamie Mungle

By mail:  
 Department of Environmental Quality  
 Water Quality Division  
 P.O. Box 1677  
 Oklahoma City, OK 73101-1677

Web site: <http://www.deq.state.ok.us>

State of Oregon 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 60         | 27                   |                     |                      | 1,404                  | 88                   |
| Total Coliform Rule                                                                                             | 283        | 209                  |                     |                      | 1,211                  | 740                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 76                  | 22                   | 265                    | 89                   |
| Lead and Copper Rule                                                                                            |            |                      | 45                  | 43                   | 373                    | 166                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 143                    | 44                   |
| Disinfection Byproducts Rule                                                                                    | 18         | 7                    | 2                   | 2                    | 82                     | 26                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | 1,130 |
| Total Number of Violations           | 3,962 |

Where to Obtain the 2011 Annual State Public Water Systems Report:

The 2011 State Report did not provide information regarding public availability.

Commonwealth of Pennsylvania 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 131        | 71                   |                     |                      | 4,781                  | 708                  |
| Total Coliform Rule                                                                                             | 430        | 365                  |                     |                      | 1,405                  | 1,096                |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 155                 | 3                    | 148                    | 51                   |
| Lead and Copper Rule                                                                                            |            |                      | 16                  | 16                   | 48                     | 44                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 165                    | 165                  |
| Disinfection Byproducts Rule                                                                                    | 95         | 43                   | 49                  | 28                   | 1,677                  | 816                  |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |         |
|--------------------------------------|---------|
| Total Number of Regulated Systems    | 9,298   |
| Total Number of Systems in Violation | 2,611   |
| Total Number of Violations           | 12,330* |

\*The total number of violations in the report (12,330) differs from the calculated total (9,100).

Where to Obtain the 2011 Annual State Public Water Systems Report

Pennsylvania's State Report is available by accessing the state's web site or by contacting:

Department of Environmental Protection  
Bureau of Water Standards and Facility Regulation  
P.O. Box 8467, 11th Floor RCSOB  
Harrisburg, PA 17105-8467

Telephone: (717) 787-5017

Web site: <http://www.dep.state.pa.us>

Keyword: drinking water



Commonwealth of Puerto Rico 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 1          | 1                    |                     |                      | 122                    | 85*                  |
| Total Coliform Rule                                                                                             | 206        | 110*                 |                     |                      | 1,843                  | 233                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 46                  | 20                   | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 18                     | 16                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | 63         | 26*                  | NR                  | NR                   | 22                     | 22*                  |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\* Possible over counting of violating systems.

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 490   |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 2,321 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Puerto Rico's Report is available by accessing the territory's web site or by contacting:

Department of Health  
Public Water Supply Supervision Program  
Ponce de León Avenue, #431 Nacional Plaza  
9th Floor, Suite 903  
Hato Rey, Puerto Rico 00917

EPA Region 2, New York  
Eng. Nicole Kraft  
290 Broadway, New York, NY 10007-1866

Web site: <http://www.salud.gov.pr>

State of Rhode Island 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 9          | 5                    |                     |                      | 5                      | 5                    |
| Total Coliform Rule                                                                                             | 55         | 38                   |                     |                      | 84                     | 73                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 9                      | 8                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 4                      | 4                    |
| Disinfection Byproducts Rule                                                                                    | 2          | 1                    | 0                   | 0                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 13                     | 13                   |

2011

|                                      |      |
|--------------------------------------|------|
| Total Number of Regulated Systems    | 490  |
| Total Number of Systems in Violation | 134  |
| Total Number of Violations           | 168* |

\*The total number of violations in the report (168) differs from the calculated total (181).

Where to Obtain the 2011 Annual State Public Water Systems Report

Rhode Island's Report is available by accessing the web site:

Web site: <http://www.health.ri.gov/programs/drinkingwaterquality/>

# State of South Carolina 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 32         | 17*                  |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | 95         | 59                   |                     |                      | 58**                   | 40**                 |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | 2                      | 2                    |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 6                      | 6                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | NR                     | NR                   |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | 46                     | 46*                  |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 10                     | 10                   |

\*Possible over counting of violating systems.

\*\* Values in the text of the report and the tables differ. Values from the text shown here.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,448 |
| Total Number of Systems in Violation | 152   |
| Total Number of Violations           | 240*  |

\*The total number of violations in the report (240) differs from the calculated total (249).

## Where to Obtain the 2011 Annual State Public Water Systems Report

South Carolina's State Report is available by accessing the state's web site or by contacting:

SCDHEC's Bureau of Water  
2600 Bull Street  
Columbia, SC 29201  
Attention: Bruce Bleau

Telephone: (803) 898-4154  
Facsimile: (803) 898-3795  
E-mail: [bleaubp@dhec.sc.gov](mailto:bleaubp@dhec.sc.gov)

Web site: <http://www.scdhec.gov/water>

Any additional information not contained in the report may be obtained through SCDHEC's Freedom of Information Office at (803) 898-3880.

State of South Dakota 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 64         | 21                   |                     |                      | 230                    | 9                    |
| Total Coliform Rule                                                                                             | 41         | 28                   |                     |                      | 49                     | 36                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 15                  | 6                    | 8                      | 8                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 8                      | 7                    |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 76                  | 74                   | 42                     | 35                   |
| Ground Water Rule                                                                                               |            |                      | 6                   | 4                    | 33                     | 17                   |

2011

|                                      |      |
|--------------------------------------|------|
| Total Number of Regulated Systems    | 652  |
| Total Number of Systems in Violation | 228  |
| Total Number of Violations           | 867* |

\*The total number of violations in the report (867) differs from the calculated total (572) because of the inclusion of the 295 public notification violations.

Where to Obtain the 2011 Annual State Public Water Systems Report

South Dakota's State Report is available by accessing the state's web site or by contacting:

South Dakota Department of Environment and Natural Resources  
 Drinking Water Program, PMB-2020  
 Joe Foss Building  
 523 East Capitol Avenue  
 Pierre, SD 57501

Attention: Mark S. Mayer, P.E.  
 Telephone: (605) 773-3754  
 Email: mark.mayer@state.sd.us

Web site: <http://denr.sd.gov/des/dw/complianceinfo.aspx>

State of Tennessee 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 8                      | 8                    |
| Total Coliform Rule                                                                                             | 19         | 17                   |                     |                      | 65                     | 54                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 18                  | 12                   | 68                     | 32                   |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 0                      | 0                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 14                     | 14                   |
| Disinfection Byproducts Rule                                                                                    | 16         | 7                    | 0                   | 0                    | 57                     | 35                   |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | 15                     | 14                   |

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 853 |
| Total Number of Systems in Violation | 150 |
| Total Number of Violations           | 280 |

Where to Obtain the 2011 Annual State Public Water Systems Report

The 2011 state report did not provide information regarding public availability.

# State of Texas 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 579        | 188*                 |                     |                      | 1,154                  | 65                   |
| Total Coliform Rule                                                                                             | 181        | 166                  |                     |                      | 1,462                  | 661                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 25                  | 12                   | 2                      | 2                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 1                      | 1                    |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 1,016                  | 536                  |
| Disinfection Byproducts Rule                                                                                    | 223        | 97                   | NR                  | NR                   | 656                    | 656                  |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 141                    | 137                  |

\*Possible over counting of violating systems.

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 6,961 |
| Total Number of Systems in Violation | 2,746 |
| Total Number of Violations           | 5,442 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

State of Utah 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 2          | 2                    |                     |                      | 3,603                  | 226                  |
| Total Coliform Rule                                                                                             | 79         | 69                   |                     |                      | 222                    | 162                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 4                   | 1                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 164                    | 101                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 42                     | 41                   |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 0                   | 0                    | 56                     | 31                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | NR    |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 4,172 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Utah's State Report is available by accessing the state's web site or by contacting:

Utah Department of Environmental Quality  
 Division of Drinking Water  
 P.O. Box 144830  
 Salt Lake City, UT 84114

Attention: Colt Smith  
 Telephone: (801) 536-4155  
 Email: [acsmith@utah.gov](mailto:acsmith@utah.gov)

Web site: <http://www.drinkingwater.utah.gov>

# State of Vermont 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 23         | 9*                   |                     |                      | 137**                  | 118*                 |
| Total Coliform Rule                                                                                             | 56         | 53*                  |                     |                      | 379                    | 270*                 |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | 1                      | 1                    |
| Lead and Copper Rule                                                                                            |            |                      | 8                   | 1                    | 36                     | 33                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 30                     | 30                   |
| Disinfection Byproducts Rule                                                                                    | 51         | 19                   | NR                  | NR                   | 102                    | 77                   |
| Ground Water Rule                                                                                               |            |                      | 2                   | 2                    | 1                      | 1                    |

\*Possible over counting of violating systems.

\*\* Violations are undercounted because contaminants were reported in groups (e.g., Inorganics, VOCs).

## 2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 1,367 |
| Total Number of Systems in Violation | NR    |
| Total Number of Violations           | 666   |

## Where to Obtain the 2011 Annual State Public Water Systems Report:

Vermont's State Report is available by accessing the state's web site or by contacting:

Water Supply Division  
Vermont Department of Environmental Conservation  
Agency of Natural Resources  
103 South Main Street  
Old Pantry Building  
Waterbury, VT 05671-0403

Contact: Julie Hackbarth  
Telephone: (802) 241-3410  
Email: [julie.hackbarth@state.vt.us](mailto:julie.hackbarth@state.vt.us)

Web site: <http://www.vermontdrinkingwater.org>



Virgin Islands 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 1          | 1                    |                     |                      | NR                     | NR                   |
| Total Coliform Rule                                                                                             | 34         | 22                   |                     |                      | 3                      | 3                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | NR                  | NR                   | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | 1                   | 1                    | 330                    | 159                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 1                      | 1                    |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      |                     |                      |                        |                      |

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 305 |
| Total Number of Systems in Violation | 167 |
| Total Number of Violations           | 370 |

Where to Obtain the 2011 Annual State Public Water Systems Report

EPA did not receive the 2011 Annual Report prior to January 20, 2012 and generated data from SDWIS/FED to meet publication deadlines.

Commonwealth of Virginia 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 76         | 26                   |                     |                      | 1,042                  | 80                   |
| Total Coliform Rule                                                                                             | 236        | 186                  |                     |                      | 618                    | 407                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 7                   | 7                    | 2                      | 1                    |
| Lead and Copper Rule                                                                                            |            |                      | 22                  | 21                   | 99                     | 89                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 80                     | 60                   |
| Disinfection Byproducts Rule                                                                                    | 21         | 9                    | 30                  | 27                   | 49                     | 32                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |       |
|--------------------------------------|-------|
| Total Number of Regulated Systems    | 2,852 |
| Total Number of Systems in Violation | 779   |
| Total Number of Violations           | 2,282 |

Where to Obtain the 2011 Annual State Public Water Systems Report

Virginia's State Report is available by accessing the state's web site or by contacting:

Office of Drinking Water  
 109 Governor Street, 6th Floor  
 Richmond, VA 23219  
 Attn: Robert A.K. Payne, Esq.

Telephone: (804) 864-7500  
 Facsimile: (804) 864-7520  
 Email: [rob.payne@vdh.virginia.gov](mailto:rob.payne@vdh.virginia.gov)

Web site: <http://www.vdh.virginia.gov/drinkingwater/compliance/annualReport.htm>

# State of Washington 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 87         | 83                   |                     |                      | 10,858                 | 474                  |
| Total Coliform Rule                                                                                             | 33         | 32                   |                     |                      | 642                    | 443                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 22                  | 11                   | 4                      | 3                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 80                     | 80                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 257                    | 257                  |
| Disinfection Byproducts Rule                                                                                    | NR         | NR                   | NR                  | NR                   | NR                     | NR                   |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

\*Radionuclide Contaminants were not reported in the Chemical Contaminant Group

## 2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 4,133  |
| Total Number of Systems in Violation | 1,016  |
| Total Number of Violations           | 11,983 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Washington's State Report is available by accessing the state's web site or by contacting:

Department of Health  
Office of Drinking Water  
P.O. Box 47822  
Olympia, Washington 98504-7822  
Telephone: (800) 521-0323

Web site: <http://www.doh.wa.gov/ehp/dw/>

State of West Virginia 2011 PWS Compliance Report

Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 0          | 0                    |                     |                      | 0                      | 0                    |
| Total Coliform Rule                                                                                             | 0          | 0                    |                     |                      | 0                      | 0                    |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 5                   | 5                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 2                   | 2                    | 203                    | 109                  |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 110                    | 52                   |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 10                  | 8                    | 0                      | 0                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | NR                     | NR                   |

2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 929 |
| Total Number of Systems in Violation | NR  |
| Total Number of Violations           | 330 |

Where to Obtain the 2011 Annual State Public Water Systems Report

The 2011 state report did not provide information regarding public availability.

# State of Wisconsin 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 121        | 55*                  |                     |                      | 847                    | 298*                 |
| Total Coliform Rule                                                                                             | 385        | 399                  |                     |                      | 420                    | 354                  |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 0                   | 0                    | 0                      | 0                    |
| Lead and Copper Rule                                                                                            |            |                      | 0                   | 0                    | 15                     | 15                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 49                     | 49                   |
| Disinfection Byproducts Rule                                                                                    | 0          | 0                    | 0                   | 0                    | 14                     | 14                   |
| Ground Water Rule                                                                                               |            |                      | 0                   | 0                    | NR                     | 142                  |

\*Possible over counting of violating systems.

## 2011

|                                      |        |
|--------------------------------------|--------|
| Total Number of Regulated Systems    | 11,444 |
| Total Number of Systems in Violation | NR     |
| Total Number of Violations           | 1,851  |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Wisconsin's State Report is available by accessing the state's web site or by contacting:

Wisconsin Department of Natural Resources  
 Bureau of Drinking Water and Groundwater  
 P.O. Box 7921  
 Madison, WI 53707  
 Telephone: (608) 267-4230

Web site: [http://dnr.wi.gov/org/water/dwg/report\\_2011.pdf](http://dnr.wi.gov/org/water/dwg/report_2011.pdf)

# State of Wyoming 2011 PWS Compliance Report

## Violations for 2011

| Violations Category                                                                                             | MCL        |                      | Treatment Technique |                      | Significant Monitoring |                      |
|-----------------------------------------------------------------------------------------------------------------|------------|----------------------|---------------------|----------------------|------------------------|----------------------|
|                                                                                                                 | Violations | Systems in Violation | Violations          | Systems in Violation | Violations             | Systems in Violation |
| Chemical Contaminant Group                                                                                      | 7          | 4                    |                     |                      | 93                     | 73                   |
| Total Coliform Rule                                                                                             | 48         | 41                   |                     |                      | 84                     | 73                   |
| Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, and Filter Backwash Recycling Rule |            |                      | 4                   | 2                    | NR                     | NR                   |
| Lead and Copper Rule                                                                                            |            |                      | NR                  | NR                   | 21                     | 21                   |
| Consumer Confidence Report                                                                                      |            |                      |                     |                      | 6                      | 6                    |
| Disinfection Byproducts Rule                                                                                    | 15         | 10*                  | 0                   | 0                    | 5                      | 5                    |
| Ground Water Rule                                                                                               |            |                      | NR                  | NR                   | 5                      | 5                    |

\*Possible over counting of violating systems.

## 2011

|                                      |     |
|--------------------------------------|-----|
| Total Number of Regulated Systems    | 787 |
| Total Number of Systems in Violation | 190 |
| Total Number of Violations           | 288 |

## Where to Obtain the 2011 Annual State Public Water Systems Report

Wyoming's State report is available by accessing EPA's Web site or by contacting:

EPA Region 8's Environmental Information Service Center

Telephone: (303) 312-6312 or (800) 227-8917

E-mail: [r8eisc@epa.gov](mailto:r8eisc@epa.gov)

Web site: <http://www.epa.gov/region8/water/dwhome/wyomingdi.html>