

ANNUAL REPORT OF VIOLATIONS OF THE FEDERAL SAFE DRINKING WATER ACT

January 1, 2013 through December 31, 2013



Tennessee Department of Environment and Conservation
Division of Water Resources
July 2014

This report is provided in compliance with the requirements of the 1996 Amendments of the Federal Safe Drinking Water Act. Included in this report is both a summary (Appendix A) of drinking water violations and detailed information on systems (Appendix B) with a significant or health based violation during, or extending into, the calendar year 2013. Only violations that have not returned to compliance (i.e. violations that have not been corrected) are included.

The majority of the water systems and operators in Tennessee are very conscientious about the quality of water provided to their customers. The majority of the violations were monitoring violations caused by an oversight on the part of the water utility or due to new standards just implemented.

The Department of Environment and Conservation (TDEC), Division of Water Resources, has worked with water utility managers/owners and operators to address each of the violations included in this report. Enforcement action and compliance schedules were used to achieve compliance with the regulations when the water utility did not or could not return to compliance (RTC) in a timely manner.

Staff of the Division of Water Resources will continue to work with water utility managers/owners and operators to ensure compliance with the drinking water requirements. If you have questions concerning the information contained in this report, please contact your local water utility, the nearest Division's Regional Environmental Field Office at 1-888-891-8332, or the Nashville Central Office at 615-532-0625.

**STATE OF TENNESSEE
ANNUAL REPORT
PUBLIC WATER SYSTEM VIOLATIONS**

The Federal Safe Drinking Water Act (SDWA) was enacted in 1974 in order to assure that the public is provided with safe drinking water. Pursuant to the Safe Drinking Water Act and Amendments to the Act, national limits or standards were established on contaminant levels in drinking water to ensure that drinking water is safe for human consumption. Such standards are known and denoted as Maximum Contaminant Levels (MCLs). Further, the Environmental Protection Agency (EPA) also establishes treatment techniques for certain contaminants that are difficult for laboratories to measure in lieu of maximum contaminant levels to control unacceptable levels of contaminants in water. For example, treatment techniques have been established for giardia lamblia, cryptosporidium, viruses, heterotrophic bacteria, Legionella, and turbidity. In addition, the EPA regulates how frequently public water systems must monitor their water for effectiveness of treatment processes and contaminants and report the monitoring results to the State or EPA.

A public water system is required to monitor and verify that the levels of contaminants present in the water do not exceed the maximum contaminant level for that contaminant. If a public water system fails to monitor as required or fails to report monitoring results correctly, then a monitoring or reporting violation occurs. Generally, the larger the population served by a water system, the more frequent the monitoring and reporting requirements. Additionally, the EPA requires public water systems to notify the public when they have violated these regulations. The 1996 Amendments to the Safe Drinking Water Act require public notification to include a clear and understandable explanation of the nature of the violation, its potential adverse health effects, steps that the public water system is undertaking to correct the violation and the possibility of alternative water supplies during the violation.

The Safe Drinking Water Act applies to each of the fifty (50) States and allows States and Territories to seek EPA approval to administer their own Public Water System Supervision Program. The authority given to a state to operate a Public Water System Supervision Program is called "Primacy". In order to receive primacy, a state must meet certain requirements specified in the Safe Drinking Water Act and those regulations promulgated pursuant to the Act, including the adoption of drinking water regulations that are at least as stringent as the Federal regulations and a demonstration that they can enforce program requirements. The State of Tennessee received primacy in 1977 and assumes primary enforcement responsibility for public water systems operating under the Tennessee Safe Drinking Water Act. The Safe Drinking Water Act and the Tennessee Safe Drinking Water Act define a "public water system" as follows:

"Public water system" means a system for the provision of water for human consumption through pipes or other constructed conveyances, if such system serves fifteen (15) or more service connections or which regularly serves twenty-five (25) or more individuals daily at least sixty (60) days out of the year. A public water system includes:

- (i) Any collection, treatment, storage or distribution facility under control of the operator of such system and used primarily in connection with such system; and
- (ii) Any collection or pretreatment storage facility not under such control which is used primarily in connection with such system.

A “Public Water System”, as defined above, is either a “community water system” or a “non-community water system”. Community and non-community water systems are defined as follows:

“Community Water System” means a public water system that serves at least fifteen (15) service connections used by year-round residents. Examples are municipalities and utility districts.

“Non-Community Water System” means a public water system that is not a community water system. Examples include churches, industries and restaurants.

As the “Primacy” agency, all public water systems in Tennessee must monitor for contaminants and report monitoring results to the State of Tennessee. Primacy States, such as Tennessee, then submit data to the EPA Safe Drinking Water Information System (SDWIS) on a quarterly basis. Data submissions include public water system inventory statistics, the incidence of Maximum Contaminant Level, Major Monitoring, and Treatment Technique violations, and the enforcement actions initiated against violators.

In addition to the above quarterly data submittal to the EPA, the 1996 Amendments of the Federal Safe Drinking Water Act require States with primacy to prepare and submit an annual report to EPA regarding public water system violations within the state in accordance with Section 1414(c)(3)(A)(i). Further, pursuant to 1414(c)(3)(A)(ii), states with primacy are required to publish and distribute summaries of their reports and advise citizens of locations where the full report is available for review. After the submittal of the state reports, EPA evaluates and summarizes the reports in an annual national report, the first of which EPA made available to the public just prior to July 1, 1998. Informational reports submitted to the public and EPA by Tennessee are required to encompass violations pertaining to (1) maximum contaminant levels, (2) treatment requirements, (3) variances and exemptions, and (4) monitoring requirements determined to be significant by the EPA after consultation with the State. However, the State of Tennessee does not utilize variances and/or exemptions with respect to primary drinking water regulations; therefore, such information is absent from the report prepared and submitted by the State of Tennessee.

The State of Tennessee, Department of Environment and Conservation, Division of Water Resources, Drinking Water Program, currently possesses regulatory responsibility for approximately 813 public water systems throughout the state. These public water systems serve an estimated population in excess of 6,637,415 individuals. All public water systems must accomplish certain monitoring and reporting requirements; however, the frequency of such requirements are dependent upon and established considering, factors indicative of each water

system including: population size served by the system; type of population served by the system; and source water supply. Although monitoring and reporting requirements vary, failure to meet the monitoring and/or reporting requirements cause violations to be incurred.

To aid in the interpretation and understanding of reported data, the following definitions are offered in order to clarify the nature of violations which may be incurred and/or the contaminants being monitored:

“Ground water under the direct influence of surface water” means any water beneath the surface of the ground with (1) significant occurrence of insects or other macroorganisms, algae, or other large diameter pathogens such as *Giardia lamblia*, or (2) significant and relatively rapid shifts in water characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions. Direct influence must be determined for individual sources.

“Maximum Contaminant Level (MCL)” means the maximum permissible level of a contaminant in water which is delivered at the free flowing outlet of the ultimate user of a public water system, except in the case of turbidity and other contaminants so designated where the maximum permissible level is measured at the point of entry into the distribution system. Contaminants added to the water under circumstances controlled by the user, except those resulting from corrosion of piping and plumbing caused by water quality, are excluded from this definition.

“Significant Monitoring Violations” are generally defined as any significant monitoring violation that occurred during the calendar year of the report. With rare exceptions, this occurs when no samples were taken or no results were reported during a compliance period.

Organic Contaminants: Carbon based compounds, such as industrial solvents and pesticides. These contaminants generally gain access to water through runoff from cropland or discharge from factories.

Inorganic Contaminants: Non-carbon based compounds such as metals, nitrates, and asbestos. These contaminants are naturally occurring in some water but can gain access through farming practices, chemical manufacturing, and other human activities.

Treatment Technique: A water treatment process or procedure that is required instead of a maximum contaminant level for contaminants that laboratories cannot adequately measure.

Long Term 1 Enhanced Surface Water Treatment Rule (LT1 ESWTR): Establishes criteria that water systems supplied by surface water or ground water under the direct influence of surface water must meet.

Long Term 2 Enhanced Surface Water Treatment Rule (LT2 ESWTR): Expands on the LT1 rule with microbiological pathogen monitoring at the source, prior to treatment.

Stage 1 Disinfection/Disinfectant Byproducts Rule (DBP): Establishes requirements to provide protection from microbiological pathogens and limit the amount of disinfection byproducts delivered to the consumer.

Stage 2 Disinfection/Disinfectant Byproducts Rule (ST 2 DBP): Expands on the Stage 1 rule by requiring a comprehensive distribution system analysis and monitoring at specific locations.

Surface Water Treatment Rule (SWTR): Establishes criteria under which water systems supplied by surface water or ground water under the direct influence of surface water must provide filtration as a treatment technique.

Ground Water Rule (GWR): Establishes requirements to ensure protection from microbiological pathogens in true ground water sources.

Trihalomethanes (THMs): Disinfection by-products produced as a result of the interaction of a disinfectant (chlorine) with naturally occurring organic material that may be present in the water.

Monitoring Waiver: Permission or consent conveyed to a public water system by the Division of Water Resources upon satisfactory completion of criteria established and necessary to obtain such waiver.

A summary report has been included which reveals a compilation of violations regarding each contaminant. In addition, a detailed listing of those public water systems with significant monitoring, treatment technique and MCL violations that remain uncorrected during the 2013 calendar year is included as appendix B. The narrative explanations convey specific information regarding the contaminants monitored and/or violations incurred as well as guidance regarding the use and interpretation of the data tables.

By July 1st of each year, every community public water system is required to prepare and distribute a Consumer Confidence Report (CCR) to customers served by the system. The report is required to contain information including the system's source of water, contaminants detected in the water, potential health effects information, mechanisms for customers to influence decisions made by the water system and any violations of drinking water standards that may have occurred during the previous calendar year. This report is to be prepared annually and must be made available to the water customer.

MICROBIOLOGICAL DATA

Microbiological contaminant sampling is conducted by all public water systems in Tennessee in an effort to detect biological contaminants that may be present in drinking water. All community public water systems (CWSs) must conduct monitoring on a monthly basis with the number of samples based on the population served. At a minimum, non-community water systems (NCWSs) must monitor each calendar quarter. Non-community systems that serve more than one thousand (1,000) persons, utilize a ground water source under the direct influence (GWUDI) of surface water or utilize surface water in total or in part must monitor on a monthly basis. A system collecting a sample that is positive for the presence of coliform bacteria must collect no fewer than three repeat samples for each positive result. All samples containing total coliforms must also be analyzed for the presence of fecal coliforms. The results of all routine and repeat samples are included in determining compliance with the maximum contaminant level for total coliforms. The maximum contaminant level is based on the presence or absence of total coliforms in a sample.

If any repeat sample is fecal coliform-positive, or if any repeat sample is total coliform-positive following a fecal coliform-positive routine sample, an acute violation of the maximum contaminant level (MCL) for microbiological contaminants is incurred. For systems which collect forty (40) or more samples per month, if greater than five (5) percent of samples collected yield total coliform-positive results a non-acute violation of the maximum contaminant level for microbiological contaminants is incurred. Further, for systems collecting fewer than forty (40) samples per month, if more than one (1) sample collected yields a total coliform-positive result then a non-acute violation for microbiological contaminants is incurred.

Failure by a public water system to perform routine monitoring for microbiological contaminants constitutes a significant monitoring violation. Failure by a public water system to perform repeat monitoring following a positive coliform sample also constitutes a significant monitoring violation for microbiological contaminants.

The accompanying data reflects those public water systems in Tennessee that incurred a either an MCL or significant monitoring violation pertaining to microbiological contaminants. The data has been categorized in accordance with the type of violation incurred; Microbiological Maximum Contaminant Level Violations or Significant Monitoring Violations.

SURFACE WATER TREATMENT RULES

The Enhanced Surface Water Treatment Rule (ESWTR), the Long Term 1 Enhanced Surface Water Treatment Rule (LT1 ESWTR) and the Long Term 2 Surface Water Treatment Rule (LT2SWTR) utilizes and establishes treatment techniques in lieu of maximum contaminant levels for *Giardia lamblia*, cryptosporidium, viruses, heterotrophic plate count bacteria, *Legionella*, and turbidity. Treatment techniques are water treatment processes employed for the treatment and/or removal of contaminants in lieu of establishing a Maximum Contaminant Level for contaminants that are very difficult to measure. In accordance with such requirements, water systems supplied by surface water or ground water sources under the direct influence of surface water must utilize water treatment processes (filtration and disinfection) that will achieve removal of cryptosporidium and/or inactivation of *Giardia lamblia* cysts and viruses. Water systems must perform analyses of the water in order to ensure the proper operation and effectiveness of the filtration and disinfection treatment.

In accordance with the Enhanced Surface Water and Long Term 1 Enhanced Surface Water Treatment Rules, water systems must monitor the water for turbidity (cloudiness of the water) and disinfectant residual. If a water system fails to conduct required monitoring, or fails to monitor and report less than ninety (90) percent of the required samples, as determined by population served and duration of water plant operation, then a significant monitoring violation is incurred. If a water system conducts required monitoring and reporting and the results reveal that less than ninety-five (95) percent of samples collected met the turbidity standard or disinfectant residual standard, then a treatment technique violation is incurred. Additionally, if a water system utilizing surface water or ground water under the direct influence of surface water fails to meet all criteria to avoid filtration treatment and does not install the necessary filtration treatment within the allowable eighteen (18) month deadline, then a violation is incurred regarding the failure to filter requirement.

The goal of the Long Term 2, Surface Water Treatment Rule is to reduce the risk of disease caused by *Cryptosporidium* and other microorganisms by identifying those systems at the greatest risk for source water contamination. Under this rule, most filtered systems are required to conduct an initial round of sampling of their untreated source water for the presence of *Cryptosporidium* and/or *E. coliform* bacteria. Results from this initial round will be used to determine if additional treatment of the source water will be required.

Appendix B lists the public water systems in Tennessee that incurred a treatment technique violation for any of the applicable Surface Water Treatment Rules. The data also shows significant monitoring violations, which are for: failure to conduct required monitoring or reporting or conducted less than ninety (90) percent of the required monitoring incurred, failure to monitor the combined filter effluent turbidity or monitor individual filter turbidity performance, and; treatment technique violations for failure to achieve compliance with the standard for turbidity or disinfectant residual.

INORGANIC CONTAMINANTS VIOLATIONS

Inorganic contaminant sampling is conducted by all public water systems in Tennessee in an effort to detect inorganic contaminants such as metals, nitrates or asbestos that may be present in the drinking water. Maximum contaminant levels have been established for inorganic contaminants and monitoring determines compliance with such standards. Monitoring intervals for inorganic contaminants are determined considering the type of source water utilized by the public water system with the exceptions of nitrate and asbestos. Monitoring to determine compliance with the maximum contaminant level for nitrate may be conducted no less frequently than annually. Monitoring to determine compliance with the maximum contaminant level for asbestos is conducted with consideration to population served and the vulnerability of the system to asbestos contamination (asbestos-cement piping, etc.).

The accompanying data reveals those public water systems in Tennessee that incurred an inorganic contaminant monitoring violation.

ORGANIC CONTAMINANTS VIOLATIONS

Organic contaminant sampling is conducted by all community, and certain non-community public water systems in Tennessee, which have not received a waiver of the monitoring requirements, in an effort to detect any organic contaminants such as solvents or pesticides which may be present in the drinking water. Maximum contaminant levels have been established for organic contaminants and monitoring determines compliance with such standards. Monitoring intervals for organic contaminants are determined considering the type of source water utilized and the type of population served by the public water system. Water systems that conduct monitoring for organic contaminants and do not detect a contaminant may reduce the sampling frequency regarding organic contaminants or request permission from the State to reduce sampling frequency.

The accompanying data reveals public water systems that incurred an organic contaminant monitoring violation. During the 2012 calendar year, there were no public water systems in Tennessee that incurred a maximum contaminant level violation regarding organic contaminants.

DISINFECTION BY-PRODUCT and BY-Product PRECURSOR VIOLATIONS

Trihalomethane and haloacetic acid (HAA5) sampling is conducted by all community public water systems in Tennessee. Trihalomethanes and haloacetic acids are disinfection by-products that are produced as the disinfectant (chlorine) reacts with naturally occurring organic matter, such as leaf litter, which may be present in the water. Monitoring is conducted in an effort to detect the presence of trihalomethanes or haloacetic acids in the drinking water. A maximum contaminant level has been established for both total trihalomethanes and total haloacetic acids and monitoring determines compliance with the standards. Monitoring is conducted for both total trihalomethanes (TTHMs) and haloacetic acids generally on a quarterly basis and on each water treatment plant used by a system. Other monitoring schedules may be followed depending on the size of the system and the type of source water.

The standard or maximum contaminant level for total trihalomethanes is 80 parts per billion (ppb) while the standard for haloacetic acids is 60 ppb.

The accompanying data reveals those public community water systems in Tennessee incurred a total trihalomethane and/or haloacetic acid monitoring violation or maximum contaminant level violation.

LEAD AND COPPER VIOLATIONS

Lead and Copper sampling is conducted by all community and certain non-community public water systems in Tennessee at high risk sites in an effort to detect excessive levels of lead and/or copper in drinking water. The maximum allowable concentrations of lead and/or copper in drinking water are denoted as “action levels”. Treatment techniques have been established that include requirements for corrosion control treatment, source water treatment, lead service line replacement and public education for systems which exceed the action levels for lead and/or copper. Tap water monitoring determines compliance with such standards. Initial tap water monitoring is conducted for lead and copper on six (6) month monitoring intervals. If a water system meets the action levels for lead and copper during each of two (2) consecutive six (6) month monitoring periods, or maintains optimal corrosion control, the system may request and be granted reduced monitoring frequencies.

CONSUMER CONFIDENCE REPORT VIOLATIONS

Beginning in 1998, community public water systems were required to furnish a report to customers with information about the water being furnished. Included in this report is the source of water for the local water utility, certain health effects language, information concerning contaminants detected, and information on violations that may have occurred during the previous calendar year. There is also information on the time and location of any board meetings to promote public participation in the decision making process of the water utility.

All systems serving 10,000 or more persons are required to furnish a copy of the report to each customer. Systems serving less than 10,000 persons are given the option to notify their customers that the report will be published in a newspaper serving the local area. Even though the report is published in the paper, the water utility is required to furnish an individual copy of the report to any person requesting a copy.

RADIONUCLIDE VIOLATIONS

Public water systems are required to monitor for certain naturally occurring and man-made radionuclides to insure the water being provided to their customers meet standards. Radionuclide samples are collected every quarter with the results being the average of all the quarterly samples.

GROUND WATER RULE

The Ground Water Rule is part of the “Microbial-Disinfectants/Disinfection Byproducts Cluster” (M-DBP Cluster), intended to improve control of microbial pathogens while minimizing public health risks of disinfectants and disinfection byproducts (DBPs). The GWR builds upon the Total Coliform Rule by addressing the health risks of fecal contamination in community and non-community water systems that use ground water. Key provisions of the rule include; compliance monitoring to ensure that treatment technologies installed to treat drinking water reliably achieve at least 99.99 percent (4-log) inactivation or removal of viruses; triggered source water monitoring to test for the presence of fecal indicators; and, requirements to correct significant deficiencies and eliminate fecal contamination through specified actions.

**DIVISION OF WATER RESOURCES
ENFORCEMENT ACTION
SUMMARY**

In order to address non-compliance issues the Division of Water Resources utilizes a number of enforcement mechanisms which include: issuance of Notices of Violation (NOVs) and/or Notices of Non- Compliance (NONCs) which officially notifies a public water system official or owner of a violation and provides guidance to facilitate actions to return the system to compliance; technical assistance and training; conducting Compliance Review (CRM) and/or Show Cause meetings (SCM) during which compliance status is discussed and imperative actions to achieve compliance are reviewed; and issuance of administrative orders and assessments which contain monetary civil penalties for violations incurred. The Department of Environment and Conservation and the Division of Water Resources are granted authority by the Tennessee Safe Drinking Water Act, through the department's commissioner, to initiate enforcement action and issue such administrative orders regarding violations of the Tennessee Safe Drinking Water Act, T.C.A. 68-221-701 et. seq. and Water Environmental Health Act T.C.A. 68-221-801 et. seq.

The Division initially attempts to assist water systems with violations achieve compliance through a system of official notifications, technical assistance and training, on-site inspections and compliance review meetings. Under certain circumstances, water systems are provided the opportunity to execute a Letter of Agreement (LOA) indicating an understanding of noncompliance issues and conveying an agreement to undertake the necessary actions to prevent a recurrence of non-compliance. In situations where the division has issued notifications, conducted technical assistance and/or on-site inspections or conducted compliance assessment meetings and violations are not addressed by the water utility or are not addressed in a timely manner, enforcement action in the form of an Administrative Order (AO) is customarily recommended and/or initiated. Such Administrative Orders contain monetary civil penalties assessed for violations and mandate that compliance be achieved.

The majority of violations incurred by water utilities are addressed and corrected prior to the necessity for issuance of an Administrative Order. With technical assistance and training by the division, most systems are able to return to compliance. However, there are water systems that incurred violations that were not addressed or corrected making an Administrative Order warranted. The Administrative Orders encompassed a variety of violations including those contained in this Annual Report of Violations.

State of Tennessee
2013 Annual Compliance Report
Violations Summary
Appendix A

State of Tennessee
2013 Annual Compliance Report
Violations Summary

	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations		Individual Systems in Violation ¹
	Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ¹	
Volatile Organics	0	0			273	10 (13)	10
Synthetic Organics	0	0			1	1	1
Inorganics	0	0			322	44 (50)	44
Radionuclides	0	0			6	2	2
Total Coliform Rule	5	4			29	28	32
Surface Water Treatment Rules			8	8	23	19	26
D/DBP Rules (Stages 1 & 2)	3	2	0	0	41	21	22
Filter Backwash Recycle Rule			0	0	1	1	1
Lead and Copper Rule			0	0	0	0	0
Consumer Confidence Reports					0	0	0
Public Notification Rule					8	8	8
Ground Water Rule			0	0	9	8	8
Violations in 2011	8		8		716		
Number of Individual Systems in Violation per Violation Type		6		8		124	
Number of Individual Systems in Violation for All Rules	128						

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B.

State of Tennessee
2013 Annual Compliance Report
Total Coliform Rule (TCR)
Violations Summary

SDWIS Codes	Total Coliform Rule Violation	MCL	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems ¹	Number of Violations	Number of Systems	Number of Violations	Number of Systems ¹
21	MCL, Acute	Presence	0	0				
22	MCL, Non-Acute	Presence	5	4				
23, 25	Routine or Major Repeat Monitoring						29	28
Total Number of Violations			5				29	
Number of Individual Systems With Violations ¹				4				28
Total Number of TCR Violations			34					
Total Number of Individual Systems With TCR Violations ¹			32					

 Shaded Area Indicates Violation Type Not Applicable to Rule

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For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Surface Water Treatment Rules (SWTR / IESWTR / LT2ESWTR)
Violations Summary

SDWIS Codes	Violation	MCL	MCL Violations		Treatment Technique Violations / Health Based		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ¹
Surface Water Treatment Rule (SWTR)								
36	SWTR Monitoring						2	2
41	Treatment Technique				1	1		
42	Failure to Filter				0	0		
Interim Enhanced SWTR (IESWTR)								
09	Record Keeping for Individual Filter						19	17
29	Filter Exceedance Follow-Up Reports						0	0
38	Routine Monitoring						1	1
43	Single Combined Filter Effluent				3	3		
44	Monthly Combined Filter Effluent				0	0		
LT2 Enhanced SWTR (LT2EWSTR)								
32	Source Water Monitoring						0	0
33	BIN Report (Health Based)				4	4		
Total Number of Violations					8		23	
Number of Individual Systems With Violations						8		19
Total Number of SWTR Violations			31					
Total Number of Individual Systems With SWTR Violations			26					

 Shaded Area Indicates Violation Type Not Applicable to Rule

- Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Inorganic Contaminants (IOCs)
Violations Summary

SDWIS Codes	Inorganic Contaminants	MCL ¹	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ²
1074	Antimony	0.006	0	0			24	21
1005	Arsenic	0.05	0	0			24	21
1094	Asbestos	7 million fibers/liter	0	0			12	12
1010	Barium	2	0	0			24	21
1075	Beryllium	0.004	0	0			24	21
1015	Cadmium	0.005	0	0			24	21
1020	Chromium	0.1	0	0			24	21
1024	Cyanide (as free Cyanide)	0.2	0	0			25	22
1025	Fluoride	4.0	0	0			24	21
1035	Mercury	0.002	0	0			24	21
1036	Nickel	0.1	0	0			24	21
1040	Nitrate	10 (as nitrogen)	0	0			21	18
1038	Total Nitrate, Nitrite	10 (as nitrogen)	0	0			0	0
1041	Nitrite	10 (as nitrogen)	0	0			0	0
1045	Selenium	0.05	0	0			24	21
1085	Thallium	0.002	0	0			24	21
Total Number of Violations			0				322	
Number of Individual Systems in Violation				0				45
Total Number of Individual Systems With Inorganic Violations			45					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Values are in Milligrams per Liter (mg.L), unless otherwise specified.
2. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Synthetic Organic Contaminants (SOCs)
Violations Summary

SDWIS Codes	Synthetic Organic Chemicals	MCL ¹	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ²
2931	1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0	0			0	0
2063	2,3,7,8-TCDD (Dioxin)	3x10 ⁻⁶	0	0			0	0
2110	2,4,5-TP	0.05	0	0			0	0
2105	2,4-D	0.07	0	0			0	0
2265	Acrymalide				0	0		
2051	Alachlor	0.002	0	0			0	0
2050	Atrazine	0.003	0	0			1	1
2306	Benzo(A)pyrene	0.0002	0	0			0	0
2046	Carbofuran	0.04	0	0			0	0
2959	Chlordane	0.002	0	0			0	0
2031	Dalapon	0.2	0	0			0	0
2035	Di(2-ethylhexyl)adipate	0.4	0	0			0	0
2039	Di(2-ethylhexyl)phthalate	0.006	0	0			0	0
2041	Dinoseb	0.007	0	0			0	0
2032	Diquat	0.02	0	0			0	0
2033	Endothall	0.1	0	0			0	0
2005	Endrin	0.002	0	0			0	0
2257	Epichlorohydrin				0	0		
2946	Ethylene dibromide (EDB)	0.00005	0	0			0	0
2034	Glyphosate	0.7	0	0			0	0

(Continued on next page)

State of Tennessee
2013 Annual Compliance Report
Synthetic Organic Contaminants (SOCs)
Violations Summary

SDWIS Codes	Synthetic Organic Chemicals	MCL ¹	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ²
2065	Heptachlor	0.0004	0	0			0	0
2067	Heptachlor epoxide	0.0002	0	0			0	0
2274	Hexachlorobenzene	0.001	0	0			0	0
2042	Hexachlorocyclopentadiene	0.05	0	0			0	0
2010	Lindane	0.0002	0	0			0	0
2015	Methoxychlor	0.04	0	0			0	0
2036	Oxamyl (Vydate)	0.2	0	0			0	0
2326	Pentachlorophenol	0.001	0	0			0	0
2040	Picloram	0.5	0	0			0	0
2383	Polychlorinated biphenyls	0.0005	0	0			0	0
2037	Simazine	0.004	0	0			0	0
2020	Tozaphene	0.003	0	0			0	0
Number of Violations			0		0		1	
Number of Individual Systems in Violation				0		0		1
Total Number of Violations			1					
Total Number of Individual Systems In Violation			1					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Values are in Milligrams per Liter (mg.L), unless otherwise specified.
2. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Volatile Organic Contaminants (VOCs)
Violations Summary

SDWIS Codes	Volatile Organic Chemicals	MCL ¹ .	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ² .
2977	1,1-Dichloroethylene	0.007	0	0			13	10
2981	1,1,1-trichloroethane	0.2	0	0			13	10
2985	1,1,2-trichloroethane	0.005	0	0			13	10
2980	1,2-dichloroethane	0.005	0	0			13	10
2983	1,2-dichloropropane	0.005	0	0			13	10
2378	1,2,4-trichlorobenzene	0.07	0	0			13	10
2990	Benzene	0.005	0	0			13	10
2982	Carbon Tetrachloride	0.005	0	0			13	10
2380	Cis-1,2-Dichloroethylene	0.07	0	0			13	10
2964	Dichloromethane	0.005	0	0			13	10
2992	Ethylbenzene	0.7	0	0			13	10
2989	Monochlorobenzene	0.1	0	0			13	10
2968	o-Dichlorobenzene	0.6	0	0			13	10
2969	Para-dichlorobenzene	0.075	0	0			13	10
2996	Styrene	0.1	0	0			13	10
2987	Tetrachloroethylene	0.005	0	0			13	10
2991	Toluene	1	0	0			13	10
2979	Trans-1,2-Dichloroethylene	0.1	0	0			13	10
2984	Trichloroethylene	0.005	0	0			13	10
2976	Vinyl chloride	0.002	0	0			13	10
2955	Xylenes (total)	10	0	0			13	10
Number of Violations			0					
Number of Individual Systems in Violation				0				
Total Number of Violations			273					
Total Number of Individual Systems In Violation			10					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Values are in Milligrams per Liter (mg.L), unless otherwise specified.
2. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Disinfectants and Disinfection Byproducts Rules (D/DBP)
Violations Summary

SDWIS Codes		MCL ¹	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ²
Stage 1 (D/DBP)								
0400	Disinfection Byproduct Monitoring				0	0		
0999	Chlorine (MRDL)	4.0	0	0			0	0
1009	Chlorite	1	0	0			0	0
2456	Total Haloacetic Acids	0.60	3	2			10	10
2920	Total Organic Carbon				0	0	1	1
2950	Total Trihalomethanes	0.80	0	0			8	8
Stage 2 (D/DBP)								
0600	Failure to Submit IDSE Report						0	0
2456	Total Haloacetic Acids		0	0			11	11
2950	Total Trihalomethanes		0	0			11	11
Number of Violations			3		0		41	
Number of Individual Systems in Violation				2		0		21
Total Number of Violations			44					
Total Number of Individual Systems In Violation			22					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Values are in Milligrams per Liter (mg.L), unless otherwise specified.
2. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Lead and Copper Rule
Violations Summary

SDWIS Codes	Lead and Copper Rule	MCL ^{1.}	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ^{3.}
51	Initial Lead and Copper Tap M/R ²						0	0
52	Follow-up or Routine Tap M/R						0	0
58	Optimal Corrosion Control / Sour Water Treatment				0	0		
65	Public Education				0	0		
Number of Violations					0		0	
Number of Individual Systems in Violation						0		0
Total Number of Violations			0					
Total Number of Individual Systems In Violation			0					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Values are in Milligrams per Liter (mg.L), unless otherwise specified.
2. Monitoring / Reporting Violation (M/R)
3. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Consumer Confidence Reports (CCR)
Violations Summary

SDWIS Codes	Consumer Confidence Report	Number of Violations	Number of Systems
71	Failure to Provide CCR	0	0

1. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Radionuclides
Violations Summary

SDWIS Codes	Radionuclides	MCL	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ¹
4000	Gross Alpha	3 pCi/L	0	0			2	2
4020	Radium-226	1 pCi/L	0	0			2	2
4030	Radium-228	1 pCi/L	0	0			2	2
4006	Combined Uranium	1/10 th MCL	0	0			0	0
Number of Violations			0				6	
Number of Individual Systems in Violation				0				2
Total Number of Violations			6					
Total Number of Individual Systems In Violation			2					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Public Notification Rule (PN)
Violations Summary

SDWIS Codes	Public Notification Violations	Number of Violations	Number of Systems
75	Failure to Provide Public Notice	8	8

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Ground Water Rule (GWR)
Violations Summary

SDWIS Codes	Ground Water Rule Violations	MCL	MCL Violations		Treatment Technique Violations		Significant Monitoring Violations	
			Number of Violations	Number of Systems	Number of Violations	Number of Systems	Number of Violations	Number of Systems ¹
31, 34	Monitoring Violation						9	8
41	Treatment Technique				0	0		
Total Number of Violations			9					
Total Number of Individual Systems In Violation			8					

 Shaded Area Indicates Violation Type Not Applicable to Rule

1. Although a public water system may be out of compliance with more than one contaminant group or rule, when calculating totals, it's counted no more than once. Consequently, the sum of the number of water systems in violation, over the various contaminant groups or rules, may not add up to the total.

For detailed information see Appendix B

State of Tennessee
2013 Annual Compliance Report
Detailed Violations
Appendix B

**2013 Annual Compliance Report
Violation Details**

Community Water Systems

ANDERSON COUNTY

TN0000514 ANDERSON COUNTY WATER AUTHORIT

Interim Enhanced SWTR

Individual Filter Records

10/1/2012 Record Keeping, Major

12/7/2012 Notice of Violation Issued

12/7/2012 Public Notification Requested

6/27/2013 Public Notification Received

IOCs (2 Plants)

Inorganic Contaminants (2 TPs)

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

BENTON COUNTY

TN0000950 DRY BRANCH WATER SYSTEM

IOCs (2 Plants)

Inorganic Contaminants (2 TPs)

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

VOCs

21 - VOC Contaminants (2 TPs)

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

BLED SOE COUNTY

TN0000553 BCCX WATER SYSTEM

Long Term 1 SWTR

Disinfectants

1/1/2013 Treatment Technique

3/1/2013 Notice of Violation Issued

3/1/2013 Public Notification Requested

4/18/2013 Letter of Agreement

BLOUNT COUNTY

TN0000007 ALCOA WATER SYSTEM

Interim Enhanced SWTR

Individual Filter Records

6/23/2010 Record Keeping, Major

3/7/2012 Notice of Violation Issued

* Violation occurred prior to 2013, but has returned to compliance.

TN0000714 TUCKALEECHEE UTILITY DISTRICT

D/DBP Rule

THM and HAA

7/1/2013

Routine Monitoring, Major

10/28/2013 Notice of Violation Issued

10/28/2013 Public Notification Requested

CAMPBELL COUNTY**TN0000912 DEERFIELD RESORT WATER SYSTEM**

Public Notification Rule

Public Notice

10/29/2011

Reporting Violation, Major

3/15/2012 Director's Order

12/1/2011

Reporting Violation, Major

6/11/2013 Notice of Violation Issued

CANNON COUNTY**TN0000756 WOODBURY WATER SYSTEM**

Interim Enhanced SWTR

Individual Filter Records

12/1/2011

Record Keeping, Major

1/31/2012 Notice of Violation Issued

1/31/2012 Public Notification Received

Total Coliform Rule

Total Coliforms

12/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

CARROLL COUNTY**TN0000098 CEDAR GROVE UTILITY DISTRICT**

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/4/2014 Notice of Violation Issued

2/4/2014 Public Notification Requested

Radiological Monitoring

RADS

1/1/2011

Reporting Violation, Major

2/4/2014 Notice of Violation Issued

2/4/2014 Public Notification Requested

VOCs

21 - VOC Contaminants

1/1/2011

Routine Monitoring, Major

2/28/2014 Notice of Violation Issued

2/28/2014 Public Notification Requested

CARTER COUNTY

TN0000223 **NORTH ELIZABETHTON WATER CO-OP**
Total Coliform Rule
 Total Coliforms
 6/1/2013 Non-Acute MCL Violation

8/2/2013 Notice of Violation Issued
8/2/2013 Public Notification Requested

TN0000802 **PETERS' HOLLOW WATER SYSTEM**
Public Notification Rule
 Public Notice
 1/1/2009 Reporting Violation, Major

8/11/2009 Notice of Violation Issued

Total Coliform Rule
 Total Coliforms
 3/1/2013 Routine Monitoring, Major

5/1/2013 Notice of Violation Issued
5/1/2013 Public Notification Requested

TN0000633 **SIAM UTILITY DISTRICT**
D/DBP Rule
 THM and HAA
 7/1/2013 Routine Monitoring, Major

10/28/2013 Notice of Violation Issued
10/28/2013 Public Notification Requested

CHEATHAM COUNTY

TN0000582 **RIVER ROAD UTILITY DISTRICT**
IOCs
 Inorganic Contaminants
 1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested
5/15/2014 Public Notification Received

CLAIBORNE COUNTY

TN0000113 **CLAIBORNE UTILITIES DISTRICT**
VOCs
 21 - VOC Contaminants
 1/1/2013 Routine Monitoring, Major

2/4/2014 Notice of Violation Issued
2/4/2014 Public Notification Requested

TN0000290 **LINCOLN MEMORIAL UNIVERSITY**
Interim Enhanced SWTR
 Individual Filter Records
 1/3/2012 Record Keeping, Major

2/10/2012 Notice of Violation Issued

CUMBERLAND COUNTY

TN0008157**LAUREL HILLS CONDO AKA RENEGAD**

D/DBP Rule

THM and HAA

7/1/2013

Routine Monitoring, Major

10/28/2013 Notice of Violation Issued

10/28/2013 Public Notification Requested

12/17/2013 Notice of Violation Issued

TN0000159**SOUTH CUMBERLAND U.D.**

Total Coliform Rule

Total Coliforms

12/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

DE KALB COUNTY

TN0000188**DEKALB UTILITY DISTRICT #1**

Total Coliform Rule

Total Coliforms

12/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0000835**DEKALB UTILITY DISTRICT #4**

Total Coliform Rule

Total Coliforms

12/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

DICKSON COUNTY

TN0000691**SYLVIA-TENN CITY-POND U. D.**

D/DBP Rule

THM and HAA

1/1/2013

Routine Monitoring, Major

3/18/2013 Notice of Violation Issued

3/18/2013 Public Notification Requested

DYER COUNTY

TN0000212**DYERSBURG SUB CONS U D**

Total Coliform Rule

Total Coliforms

7/1/2013

Routine Monitoring, Major

9/11/2013 Notice of Violation Issued

FAYETTE COUNTY

TN0000254	GALLAWAY WATER DEPT				
	Total Coliform Rule				
	Total Coliforms				
	5/1/2013	Routine Monitoring, Major			
			7/3/2013	Notice of Violation Issued	
			7/3/2013	Public Notification Requested	

FENTRESS COUNTY

TN0000010	ALLARDT WATER WORKS				
	Public Notification Rule				
	Public Notice				
	6/30/2012	Reporting Violation, Major			
			3/4/2013	Notice of Violation Issued	

FRANKLIN COUNTY

TN0000101	CENTER GROVE-WINCHESTER SPGS				
	Interim Enhanced SWTR				
	Individual Filter Records				
	7/1/2011	Record Keeping, Major			
			8/31/2011	Notice of Violation Issued	
			8/31/2011	Public Notification Requested	
			2/21/2012	Public Notification Received	

TN0000754	WINCHESTER WATER SYSTEM				
	Interim Enhanced SWTR				
	Individual Filter Records				
	6/1/2010	Record Keeping, Major			
			2/11/2011	Notice of Violation Issued	
			9/30/2011	No Addtl Formal Action Needed	
	7/1/2010	Record Keeping, Major			
			2/11/2011	Notice of Violation Issued	
			9/30/2011	No Addtl Formal Action Needed	

GREENE COUNTY

TN0000274	NORTH GREENE UTILITIES, INCORP				
	Long Term 2 SWTR				
	BIN Reports				
	10/1/2010	Failure to submit BIN report			
			5/15/2012	Notice of Violation Issued	
			5/15/2012	Public Notification Requested	
			8/9/2012	Director's Order	

HAMBLEN COUNTY

TN0000474 MORRISTOWN WATER SYSTEM

Interim Enhanced SWTR

Individual Filter Records

3/1/2012 Record Keeping, Major

3/13/2013 Notice of Violation Issued

3/13/2013 Public Notification Requested

6/15/2013 Public Notification Received

TN0000650 WITT UTILITY DISTRICT

D/DBP Rule

Total Organic Carbon

10/1/2013 Routine Monitoring, Major

12/2/2013 Notice of Violation Issued

12/2/2013 Public Notification Requested

HAMILTON COUNTY

TN0000613 SAVANNAH VALLEY U. D.

D/DBP Rule

THM and HAA

10/1/2013 Routine Monitoring, Major

1/31/2014 Notice of Violation Issued

1/31/2014 Public Notification Requested

TN0000635 WALDEN'S RIDGE UTILITY DISTRICT

D/DBP Rule

THM and HAA

10/1/2013 Routine Monitoring, Major

2/7/2014 Notice of Violation Issued

2/7/2014 Public Notification Requested

HARDEMAN COUNTY

TN0000455 MIDDLETON WATER DEPT

VOCs

21 - VOC Contaminants (2 TPs)

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

HARDIN COUNTY

TN0000546 FIRST U.D. OF HARDIN COUNTY

Interim Enhanced SWTR

Individual Filter Records

9/1/2010 Record Keeping, Major

6/13/2012 Notice of Violation Issued

HAWKINS COUNTY

TN0000593 ROGERSVILLE WATER SYSTEM

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

HICKMAN COUNTY

TN0000066 BON AQUA-LYLES UD

Interim Enhanced SWTR

Individual Filter Records

11/14/2010

Record Keeping, Major

4/3/2012 Notice of Non-Compliance

4/3/2012 Public Notification Requested

6/1/2012 Public Notification Received

TN0000103 CENTERVILLE WATER SYSTEM

Interim Enhanced SWTR

Individual Filter Records

8/1/2009

Record Keeping, Major

10/1/2009 Notice of Violation Issued

10/1/2009 Public Notification Requested

6/21/2010 Public Notification Received

HUMPHREYS COUNTY

TN0000958 BLUEBIRD HILLS SMALL COMMUNITY

D/DBP Rule

THM and HAA

7/1/2013

Routine Monitoring, Major

10/28/2013 Notice of Violation Issued

10/28/2013 Public Notification Requested

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

VOCs

21 - VOC Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

JACKSON COUNTY

TN0000251 GAINESBORO WATER SYSTEM

Filter Backwash Recycling Rule

Filter Backwash Rule

11/1/2010	Reporting Violation, Major	12/27/2011	Notice of Violation Issued
Interim Enhanced SWTR			
Individual Filter Records			
11/1/2010	Record Keeping, Major	12/27/2011	Notice of Violation Issued
IOCs			
Inorganic Contaminants			
1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
		2/3/2014	Public Notification Requested

JEFFERSON COUNTY

TN0000994	SPRING VILLAGE MHP		
Total Coliform Rule			
Total Coliforms			
10/1/2013	Routine Monitoring, Major	12/2/2013	Notice of Violation Issued
		12/2/2013	Public Notification Requested
		5/15/2014	Public Notification Received

JOHNSON COUNTY

TN0000085	CARDERVIEW UTILITY DISTRICT		
Public Notification Rule			
Public Notice			
4/30/2009	Reporting Violation, Major	2/28/2012	Director's Order

KNOX COUNTY

TN0000280	HALLSDALE POWELL U D		
IOCs			
Inorganic Contaminants			
1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
		2/3/2014	Public Notification Requested

TN0008274	JOHNSON UNIVERSITY		
IOCs			
Inorganic Contaminants			
1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
		2/3/2014	Public Notification Requested

TN0000367	KNOX-CHAPMAN UTILITY DISTRICT		
IOCs			
Inorganic Contaminants			
1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
		2/3/2014	Public Notification Requested

LAUDERDALE COUNTY

TN0000245**WEST TN STATE PENITENTIARY**

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

3/10/2014 Notice of Violation Issued

3/10/2014 Public Notification Requested

Radiological Monitoring

RADS

1/1/2011

Reporting Violation, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

LAWRENCE COUNTY

TN0000408**LORETTO WATER DEPARTMENT**

Interim Enhanced SWTR

Individual Filter Records

2/1/2011

Record Keeping, Major

9/6/2012 Notice of Non-Compliance

9/6/2012 Public Notification Requested

2/13/2013 Public Notification Received

TN0000604**ST JOSEPH WATER SYSTEM**

D/DBP Rule

THM and HAA

10/1/2013

Routine Monitoring, Major

2/7/2014 Notice of Violation Issued

2/7/2014 Public Notification Requested

LINCOLN COUNTY

TN0000764**LINCOLN CO BD OF P.U. #1**

Interim Enhanced SWTR

Individual Filter Records

12/31/2012

Record Keeping, Major

10/14/2013 Notice of Violation Issued

LOUDON COUNTY

TN0000871**TELLICO VILLAGE POA**

D/DBP Rule

THM and HAA

10/1/2013

Routine Monitoring, Major

2/7/2014 Notice of Violation Issued

2/7/2014 Public Notification Requested

MACON COUNTY

TN0000572 RED BOILING SPRINGS WATER SYST

D/DBP Rule

THM and HAA

7/1/2013

Routine Monitoring, Major

11/20/2013 Notice of Violation Issued

11/20/2013 Public Notification Requested

MAURY COUNTY

TN0000488 MOUNT PLEASANT WAT SYS #1

Interim Enhanced SWTR

Individual Filter Records

9/1/2012

Record Keeping, Major

2/28/2013 Compliance Review Meeting

2/28/2013 Letter of Agreement

12/1/2012

Record Keeping, Major

2/28/2013 Compliance Review Meeting

2/28/2013 Letter of Agreement

MCMINN COUNTY

TN0000510 NIOTA WATER SYSTEM

D/DBP Rule

THM and HAA

1/1/2013

Routine Monitoring, Major

4/24/2013 Notice of Violation Issued

4/24/2013 Public Notification Requested

MCNAIRY COUNTY

TN0000571 RAMER WATER DEPT

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

VOCs

21 - VOC Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

MONROE COUNTY

TN0000426 HIWASSEE COLLEGE WATER SYSTEM

Interim Enhanced SWTR

Combined Filter Turbidity

12/1/2013

Routine Monitoring, Major

Long Term 1 SWTR
Disinfectants
12/1/2013 Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

MONTGOMERY COUNTY

TN0000820 FORT CAMPBELL WATER SYSTEM

IOCs
Inorganic Contaminants
1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

OBION COUNTY

TN0000607 SAMBURG UTILITY DIST

Total Coliform Rule
Total Coliforms
8/1/2013 Routine Monitoring, Major

10/1/2013 Notice of Violation Issued
10/1/2013 Public Notification Requested

PICKETT COUNTY

TN0000088 BYRDSTOWN WATER DEPT

VOCs
21 - VOC Contaminants
1/1/2011 Routine Monitoring, Major

2/4/2014 Notice of Violation Issued
2/4/2014 Public Notification Requested

RHEA COUNTY

TN0000174 DAYTON WATER DEPT

IOCs
Inorganic Contaminants
1/1/2011 Routine Monitoring, Major

2/4/2014 Notice of Violation Issued
2/4/2014 Public Notification Requested

TN0000863 GRANDVIEW UTILITY DISTRICT

D/DBP Rule
Haloacetic Acids
7/1/2013 MCL Violation

10/1/2013
10/28/2013 Notice of Violation Issued
10/28/2013 Public Notification Requested

TN0000657 NEWPORT RESORT WATER SYSTEM

Public Notification Rule

Public Notice

12/4/2010 Reporting Violation, Major

8/25/2011 Director's Order

7/1/2011 Reporting Violation, Major

8/25/2011 Director's Order

TN0000656 SPRING CITY WATER SYSTEM

Long Term 2 SWTR

BIN Reports

1/2/2012 Failure to submit BIN report

5/15/2012 Notice of Violation Issued

5/15/2012 Public Notification Requested

ROANE COUNTY**TN0000523 OLIVER SPRINGS WATER BOARD**

IOCs

Inorganic Contaminants

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

VOCs

21 - VOC Contaminants

1/1/2011 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0000457 ROANE CENTRAL UTILITY DISTRICT

Total Coliform Rule

Total Coliforms

6/1/2013 Non-Acute MCL Violation

8/2/2013 Notice of Violation Issued

8/2/2013 Public Notification Requested

RUTHERFORD COUNTY**TN0000386 LA VERGNE WATER SYSTEM**

Interim Enhanced SWTR

Individual Filter Records

8/26/2009 Record Keeping, Major

10/8/2009 Notice of Violation Issued

10/8/2009 Public Notification Requested

SEVIER COUNTY**TN0000925 RIVERSIDE CAMPGROUND**

IOCs

	Inorganic Contaminants	1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
				2/3/2014	Public Notification Requested
VOCs	21 - VOC Contaminants	1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
				2/3/2014	Public Notification Requested

SHELBY COUNTY

TN0000262 GERMANTOWN WATER DEPT

IOCs (2 Plants)	Inorganic Contaminants (2 TPs)	1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
				2/3/2014	Public Notification Requested
VOCs	21 - VOC Contaminants (2 TPs)	1/1/2011	Routine Monitoring, Major	2/3/2014	Notice of Violation Issued
				2/3/2014	Public Notification Requested

TN0000450 MEMPHIS LIGHT, GAS, & WATER

Total Coliform Rule	Total Coliforms	5/1/2013	Repeat Monitoring, Major	7/3/2013	Notice of Violation Issued
				7/3/2013	Public Notification Requested

STEWART COUNTY

TN0000162 CUMBERLAND CITY WATER DEPT.

D/DBP Rule	THM and HAA	10/1/2013	Routine Monitoring, Major	1/31/2014	Notice of Violation Issued
				1/31/2014	Public Notification Requested

SULLIVAN COUNTY

TN0000061 BLUFF CITY WATER DEPARTMENT

D/DBP Rule	THM and HAA	7/1/2013	Routine Monitoring, Major	10/1/2013	
				10/28/2013	Notice of Violation Issued
				10/28/2013	Public Notification Requested
		10/1/2013	Routine Monitoring, Major	2/7/2014	Notice of Violation Issued
				2/7/2014	Public Notification Requested
Interim Enhanced SWTR					

Combined Filter Turbidity
8/1/2013 Treatment Technique, Single Value

10/1/2013 Notice of Violation Issued
10/1/2013 Public Notification Requested

TN0000079 BRISTOL-BLUFF CITY UTILITY DIS

Long Term 2 SWTR

BIN Reports

4/1/2012 Failure to submit BIN report

7/11/2013 Letter of Agreement
7/11/2013 Notice of Violation Issued

Public Notification Rule

Public Notice

3/1/2013 Reporting Violation, Major

7/11/2013 Letter of Agreement
7/11/2013 Notice of Violation Issued

TN0000074 HOLSTON U D

D/DBP Rule

THM and HAA

10/1/2013 Routine Monitoring, Major

1/31/2014 Notice of Violation Issued
1/31/2014 Public Notification Requested

TN0000078 JACOBS CREEK JOB CORPS CENTER

Interim Enhanced SWTR

Combined Filter Turbidity

12/1/2013 Treatment Technique, Single Value

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

Total Coliform Rule

Total Coliforms

6/1/2013 Routine Monitoring, Major

8/2/2013 Notice of Violation Issued
8/2/2013 Public Notification Requested

TN0000644 SOUTH BRISTOL-WEAVER PIKE U D

D/DBP Rule

THM and HAA

10/1/2013 Routine Monitoring, Major

1/31/2014 Notice of Violation Issued
1/31/2014 Public Notification Requested

TIPTON COUNTY

TN0000070 BRIGHTON WATER SYSTEM

Total Coliform Rule

Total Coliforms

10/1/2013 Non-Acute MCL Violation

12/2/2013 Notice of Violation Issued
12/2/2013 Public Notification Requested

Total Coliforms
12/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

WHITE COUNTY

TN0000652

SPARTA WATER SYSTEM

Interim Enhanced SWTR

Combined Filter Turbidity

4/1/2013

Treatment Technique, Single Value

5/31/2013 Notice of Violation Issued

5/31/2013 Public Notification Requested

Individual Filter Records

10/1/2013

Record Keeping, Major

12/2/2013 Notice of Violation Issued

12/2/2013 Public Notification Requested

WILLIAMSON COUNTY

TN0000246

FRANKLIN WATER DEPT

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

Non-Community Water Systems

BENTON COUNTY

TN0005094 **MOCKINGBIRD HILL CABIN ASSN.**

Total Coliform Rule

Total Coliforms

10/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0004629 **REITH RESORT & TRAILER PARK**

Total Coliform Rule

Total Coliforms

10/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

BLEDSOE COUNTY

TN0005146 **EBENEZER BAPTIST CHURCH #2**

Interim Enhanced SWTR

Combined Filter Turbidity

1/1/2013

Routine Monitoring, Major

3/1/2013 Notice of Violation Issued

3/1/2013 Public Notification Requested

Long Term 1 SWTR

Disinfectants

1/1/2013

Monitoring, Major

3/1/2013 Notice of Violation Issued

3/1/2013 Public Notification Requested

CARTER COUNTY

TN0004989 **BLACK BEAR RESORT**

Inorganics

Nitrates

1/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

CLAIBORNE COUNTY

TN0005012 **GILES FLEA MARKET**

Inorganics

Nitrates

1/1/2013

Routine Monitoring, Major

10/31/2000 Notice of Violation Issued

10/31/2000 Public Notification Requested

12/14/2000 Letter of Agreement

12/14/2000 Public Notification Received

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

Total Coliform Rule
Total Coliforms
12/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

COCKE COUNTY

TN0005158 TENT CAMPLING USA, INC.

Inorganics
Nitrates
1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

CUMBERLAND COUNTY

TN0004788 CUMBERLAND MTN RETREAT CMPGD

Total Coliform Rule
Total Coliforms
4/1/2013 Routine Monitoring, Major

8/2/2013 Notice of Violation Issued
8/2/2013 Public Notification Requested

TN0003425 MOUNTAIN RIDGE GOLF CLUB

Total Coliform Rule
Total Coliforms
10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

GRAINGER COUNTY

TN0004429 BOGGS SUBDIVISION

Inorganics
Nitrates
1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

TN0002524 GILMORE DOCK OPERATIONS LLC

Inorganics
Nitrates (2)
1/1/2013 Routine Monitoring, Major

3/11/2014 Notice of Violation Issued
3/11/2014 Public Notification Requested

Total Coliform Rule
Total Coliforms
4/1/2013 Routine Monitoring, Major

8/2/2013 Notice of Violation Issued

TN0004691 HONEY CREEK SUBDIVISION

Inorganics

Nitrates

1/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

HAWKINS COUNTY**TN0002020 CAMP DAVY CROCKET**

Ground Water Rule

E. Coli

10/1/2010

Follow-Up Monitoring

12/2/2010 Notice of Violation Issued

12/2/2010 Public Notification Requested

3/31/2011 Case Under Development

11/4/2011 Case Under Development

HENRY COUNTY**TN0000933 COUNTRY JUNCTION RESORT**

Inorganics

Nitrates

1/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

HUMPHREYS COUNTY**TN0004936 EAGLE BAY MARINA**

Ground Water Rule

E. Coli

12/1/2010

Follow-Up Monitoring

2/4/2011 Notice of Violation Issued

2/4/2011 Public Notification Requested

Total Coliform Rule

Total Coliforms

9/1/2013

Non-Acute MCL Violation

10/3/2013 Notice of Violation Issued

10/3/2013 Public Notification Requested

10/1/2013

Non-Acute MCL Violation

12/2/2013 Notice of Violation Issued

12/2/2013 Public Notification Requested

TN0002304 FRIENDSHIP WORLD OUTREACH CH -

Total Coliform Rule

Total Coliforms

4/1/2013

Routine Monitoring, Major

8/12/2013 Notice of Violation Issued

8/12/2013 Public Notification Requested

TN0004943

HAIR OF THE DOG

Public Notification Rule

Public Notice

1/1/2011 Reporting Violation, Major

2/10/2012 Notice of Violation Issued

7/31/2012 Case Under Development

10/16/2012 Director's Order

2/10/2012 Reporting Violation, Major

2/10/2012 Notice of Violation Issued

7/31/2012 Case Under Development

10/16/2012 Director's Order

TN0005032

PINE HILL CH OF THE NAZARENE

Ground Water Rule

E. Coli

10/1/2013 Follow-Up Monitoring

12/2/2013 Notice of Violation Issued

12/2/2013 Public Notification Requested

Total Coliform Rule

Total Coliforms

9/1/2013 Repeat Monitoring , Major

11/1/2013 Notice of Violation Issued

11/1/2013 Public Notification Requested

JEFFERSON COUNTY

TN0004794

BLACK OAK MARINA

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0005110

GATOR POINT ENTERPRISES LLC

Inorganics

Nitrates (2)

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

JOHNSON COUNTY

TN0004711

MOUNTAINEER RESTAURANT

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0004905

RACEWAY RESTAURANT

Total Coliform Rule

Total Coliforms
10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

MADISON COUNTY

TN0002464 FRIENDSHIP BAPTIST ST CHURCH

Ground Water Rule

E. Coli

1/1/2012 Follow-Up Monitoring

1/31/2012 Notice of Violation Issued

1/31/2012 Public Notification Requested

MCMINN COUNTY

TN0002266 MIDWAY DRIVE-IN THEATRE

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

MEIGS COUNTY

TN0004171 ARMSTRONG FERRY CAMPGROUND

Ground Water Rule

E. Coli

7/1/2010 Follow-Up Monitoring

11/10/2010 Notice of Violation Issued

11/10/2010 Public Notification Requested

POLK COUNTY

TN0005128 EAGLE RANCH ADVENTURE COMPANY,

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

TN0004986 HALL'S GROCERY STORE

Ground Water Rule

E. Coli

4/1/2010 Follow-Up Monitoring

11/10/2010 Notice of Violation Issued

11/10/2010 Public Notification Requested

TN0004961 OCOEE ADVENTURE CENTER

Total Coliform Rule

Total Coliforms
10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

TN0005163 RAFT ONE WHITEWATER

Total Coliform Rule
Total Coliforms
1/1/2013 Routine Monitoring, Major

5/1/2013 Notice of Violation Issued
5/1/2013 Public Notification Requested

SEVIER COUNTY

TN0001483 OUTDOOR RESORTS @ GATLINBURG

Total Coliform Rule
Total Coliforms
7/1/2013 Routine Monitoring, Major

11/1/2013 Notice of Violation Issued
11/1/2013 Public Notification Requested

STEWART COUNTY

TN0004999 BRUNIE'S LAKESIDE GRILL

Inorganics
Nitrates
1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested
4/25/2014 Public Notification Received

SULLIVAN COUNTY

TN0002618 BAYS MTN PARK WATER SYSTEM

Total Coliform Rule
Total Coliforms
7/1/2013 Routine Monitoring, Major

11/1/2013 Notice of Violation Issued
11/1/2013 Public Notification Requested

TN0004732 PEACE LAKEVIEW CAMPGROUND

Inorganics
Nitrates
1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

Total Coliform Rule
Total Coliforms
10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued
2/3/2014 Public Notification Requested

TIPTON COUNTY

TN0003407 COVINGTON MUNICIPAL AIRPORT

Ground Water Rule

E. Coli

12/1/2010 Follow-Up Monitoring

1/7/2011 Notice of Violation Issued

1/7/2011 Public Notification Requested

UNICOI COUNTY

TN0004634 MOUNTAIN RIVER GUIDES, INC.

Total Coliform Rule

Total Coliforms

10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

UNION COUNTY

TN0001408 ALDER SPRINGS BAPTIST CHURCH

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

Total Coliform Rule

Total Coliforms

4/1/2013 Routine Monitoring, Major

8/2/2013 Notice of Violation Issued

8/2/2013 Public Notification Requested

10/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

WEAKLEY COUNTY

TN0004353 LIBERTY APOSTOLIC CHURCH

Inorganics

Nitrates

1/1/2013 Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

Non-Transient Non-Community Water Systems

DAVIDSON COUNTY

TN0004300 E.I. DUPONT, OLD HICKORY

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

FAYETTE COUNTY

TN0002109 KELLOGG'S CONVENIENCE FOODS

D/DBP Rule

THM and HAA

7/1/2013

Routine Monitoring, Major

10/28/2013 Notice of Violation Issued

10/28/2013 Public Notification Requested

Inorganics

Nitrates

1/1/2013

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

HENRY COUNTY

TN0002997 SPINKS CLAY CO.

D/DBP Rule

Haloacetic Acids

7/1/2013

Routine Monitoring, Major

10/28/2013 Notice of Violation Issued

10/28/2013 Public Notification Requested

HICKMAN COUNTY

TN0004910 ACCURATE ENERGETIC SYSTEMS

Ground Water Rule

E. Coli

7/1/2010

Follow-Up Monitoring

10/30/2010 Notice of Violation Issued

10/30/2010 Public Notification Requested

HUMPHREYS COUNTY

TN0003779 E.I. DUPONT, NEW JOHNSONVILLE

IOCs

Inorganic Contaminants

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

JOHNSON COUNTY

TN0003906**SHADY VALLEY SCHOOL**

Inorganics

Cyanide

1/1/2011

Routine Monitoring, Major

2/3/2014 Notice of Violation Issued

2/3/2014 Public Notification Requested

MCMINN COUNTY

TN0004313**RESOLUTE FOREST PRODUCTS**

Long Term 2 SWTR

BIN Reports

1/1/2012

Failure to submit BIN report

5/15/2012 Notice of Violation Issued

5/15/2012 Public Notification Requested

8/22/2013 Letter of Agreement
