



Missouri Department of Natural Resources
2012 Annual Compliance Report
of Missouri Public Drinking Water



Gladstone

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Note from the Branch Chief

Missouri is blessed with an abundance of high-quality water supplied by its many underground aquifers and major river networks. These sources provide Missourians with water not only for drinking but for a myriad of household and other purposes. It is critical that water provided to the public be safe and abundant.

The Public Drinking Water Branch of the Missouri Department of Natural Resources has the important mission of ensuring the state's 2,738 public water systems provide safe drinking water to every resident and visitor to the state. To do this, the branch sets limits and monitors for 91 contaminants that could be found in public drinking water supplies. This report provides information on how well public water systems in Missouri are meeting the standards for providing safe drinking water.

This is the sixteenth Annual Compliance Report the Public Drinking Water Branch has produced since 1996 and covers compliance statistics for calendar year 2012. Each state produces a similar annual report on its public water systems. The reports are made available to the public and are provided to the U.S. Environmental Protection Agency for inclusion in a national report summarizing the performance of the nation's public drinking water systems.

The branch provides this report not only to comply with statutory obligations mandated by the federal Safe Drinking Water Act, but also to focus attention and provide an understanding of the importance of quality drinking water to the public.

The report shows Missouri's water systems continued to provide safe and reliable drinking water in 2012. The Total Coliform Rule monitoring and maximum contaminant level requirements generate the most violations. This reflects the relatively high frequency of monitoring and vulnerability of water systems to bacteriological contamination. Significant progress has been made on radionuclide compliance, although several systems are still unable to meet standards. A number of systems are experiencing difficulty complying with current disinfection byproduct requirements. The department is helping many systems tackle this very difficult issue. More stringent requirements under the Stage 2 Disinfectants and Disinfection Byproducts Rule began taking effect in 2012, although it is still too early to determine if there will be a significant increase in noncompliance. Compliance with Consumer Confidence Report requirements continues to be high due to increased staff efforts and assistance provided by the Missouri Rural Water Association. We continue focusing on these and other standards to ensure Missourians receive high-quality, safe drinking water.

The new federal Groundwater Rule has imposed a host of new requirements on the 88 percent of Missouri public water systems that use groundwater as their source. This rule continues to challenge both public water systems and regulators. The department has been working hard to assist affected public water systems struggling to comply with this complicated rule.

Under the Long Term 2 Enhanced Surface Water Treatment Rule, there are 14 water systems that use surface water for their source will need to install additional treatment to enhance protection against possible waterborne pathogens. These 14 systems fell into a category, requiring additional treatment after *Cryptosporidium* was found over a certain threshold in their raw water sources. Compliance dates vary based on the water system's population, but all will be challenged with the additional treatment requirements.

I hope you find this report informative and useful.

A handwritten signature in black ink, appearing to read 'Sturgess', written over a light-colored, slightly textured background.

Steven W. Sturgess, Chief
Public Drinking Water Branch
Missouri Department of Natural Resources

What is a Public Water System?

A public water system is defined as a system that provides water through piping or other constructed conveyances for human consumption to at least 15 service connections, or serves an average of at least 25 people for at least 60 days each year. These are the systems that are the focus of this report.

There are three types of public water systems:

Community systems include towns, water districts, subdivisions, mobile home parks and residential facilities such as nursing homes or prisons.

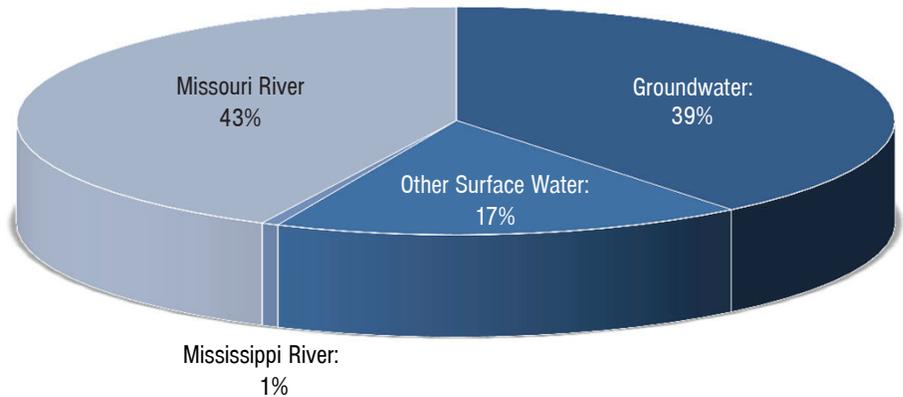
Nontransient noncommunity systems serve the same people every day, but not in a residential setting; schools and factories are good examples.

Transient noncommunity systems serve different people daily, such as restaurants, resorts and rest stops. These smaller systems are typically in rural areas where it is not feasible to hook up to a city or water district.

Requirements for construction, operation, monitoring, etc., vary among systems based on their type, size and source of water.

Water testing at systems that are not public water systems (for example, homes served by private wells) is facilitated by local and county sanitarians and the Missouri Department of Health and Senior Services.

Source of Water (Percent Population Served)



The Missouri Public Water System Universe

In 2012, there were 2,738 active public water systems in Missouri. Of this total, 1,446 were community, 221 were nontransient noncommunity, and 1,071 were transient noncommunity systems.

The community water systems in Missouri served more than 5 million citizens in 2012. These citizens benefit from one of Missouri's most outstanding resources: its water. There is generally a large quantity of high-quality water in Missouri.

By far the largest source of drinking water for Missourians is surface water from the Missouri River. The abundant supply of water in the Missouri River and its proximity to the state's major population centers make the use of this river as a source so popular.

Groundwater is the next most used source of drinking water for Missouri's community supplies. In southern Missouri, good quality

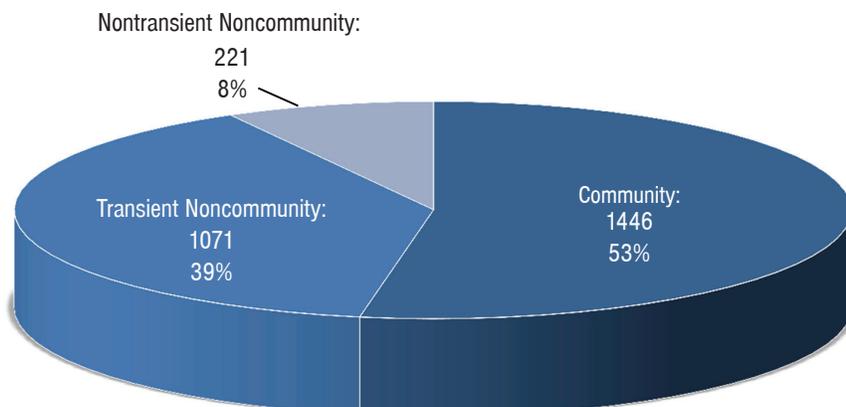
groundwater is easy to obtain and typically requires very little treatment to be used for drinking water. Some groundwater systems have the best of both worlds and use alluvial wells in valleys of the Missouri and Mississippi river system where they can get large volumes of water free of surface contaminants. Wells in the Missouri River alluvium provide groundwater to a significant population. More than half the state's population gets their drinking water from the Missouri River or its alluvial wells. The importance of this resource cannot be overstated.

Analysis of Compliance

We expect a lot from our public water systems and require testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. A system is to be applauded for performing all required testing and meeting all maximum contaminant levels, also referred to as MCLs, and treatment technique standards. When violations do occur, that often is the first identification of a problem and can be the first step toward correcting it. Many public water systems perform testing beyond what is required by the state.

The Summary of Violations table in this report counts individual violations. Each public water system has the potential to accumulate multiple violations during the year because there are multiple regulations involved and some monitoring is on a monthly schedule. For example, the monitoring requirements for the Total Coliform Rule alone create a potential for more than 30,000 violations. This puts

Public Water Systems by Type



some perspective on the violation figures shown in the Summary of Violations table and the information in the appendices. Another factor to consider is the number of systems that have violations. Many of the violations are from water systems with problems that result in multiple violations during the year. Other systems may only have one or two violations.

Appendices A through C list specific systems by county. The department uses various methods to focus on the water systems that need attention. The department used a process for many years developed by EPA to identify Significant Noncompliers (SNC). State regulators were critical of the SNC process because it weighted monitoring and reporting violations as much as health-based violations. As a result, EPA developed a new enforcement response policy that focuses on health-based violations. This new policy includes an enforcement targeting tool that tracks systems with the most noncompliance. The new policy and tool identify priority systems for enforcement

response, define timely and appropriate enforcement responses and clarify what constitutes a formal action.

Maximum contaminant level and treatment technique violations represent the most significant impact on the public health. These occurred at a small number of public water systems serving approximately 4.31 percent of the population.

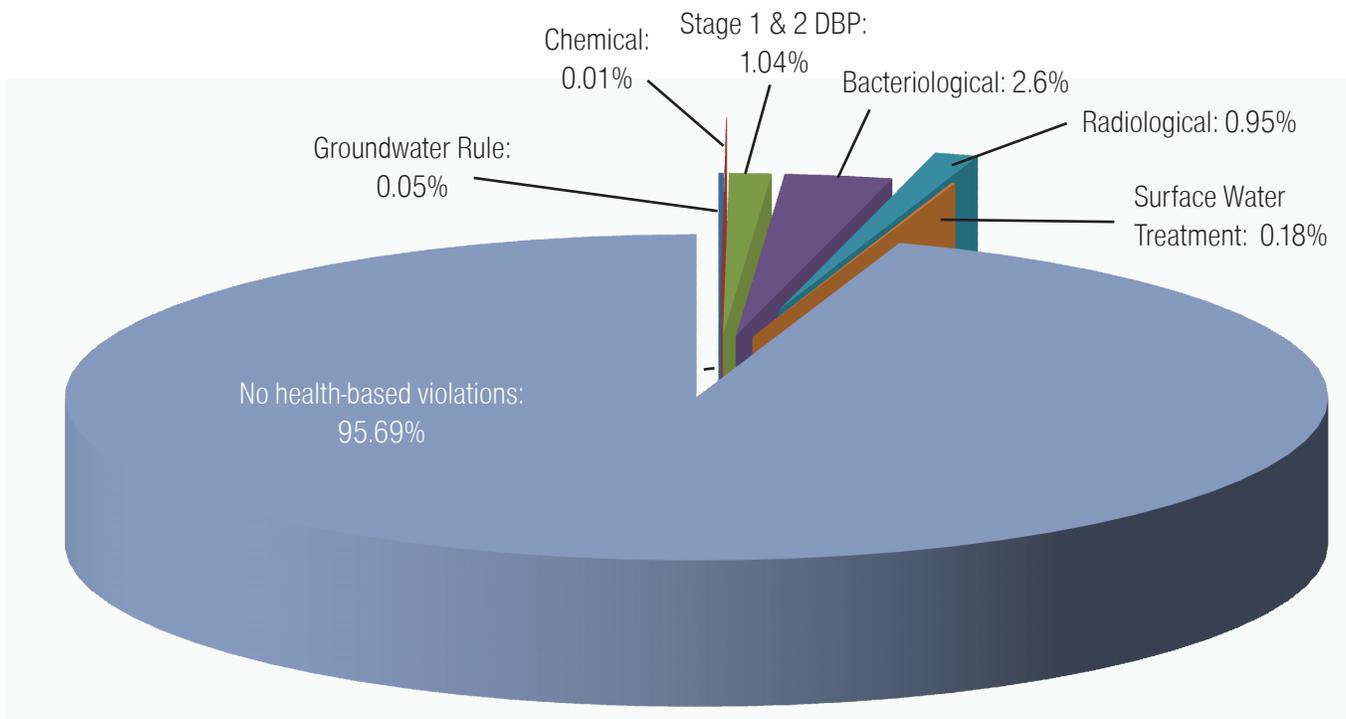
Since 1996, when the first Annual Compliance Report was produced, through 2003, Missouri has consistently met or exceeded EPA's target of serving water that meets all health-based standards to 95 percent of the population. Again in 2006, Missouri community water systems met EPA's target. The small dip below the 95 percent target in 2004 and 2005 did not represent a reduction in water quality, but is a result of more stringent drinking water standards. In 2007, this compliance measure dropped significantly because Missouri's largest water system had a treatment technique violation. The same phenomenon happened again in 2010. Even though these events were of

short duration, the entire population had to be counted in this statistic. For more information on this item, refer to the 2008 Annual Compliance Report.

EPA and the states have worked together to develop an additional compliance measure called "person-months during which community water systems provide water that meets health-based standards." This measure is intended to take into account situations where violations are of short duration. Missouri achieved 96.6 percent compliance with this measure in 2012. The national target for federal fiscal year 2012 was 95 percent.

The majority of MCL and monitoring violations in 2012 were for failure to meet the requirements of the Total Coliform Rule. Total coliform bacteria serve as an indicator that disease-causing organisms may be present. All public water systems in the state must test for this type of bacteria every month they dispense water to the public. Monitoring violations are by far the most common violation for this rule. The department is particularly concerned

Percent Population of Community Water Systems In Violation of Health-based Standards



There is overlap in that some systems violate more than one area.

when monitoring violations occur at public water systems that have a history of bacteriological contamination. Adequate testing is the only way to know for sure if the problems have been corrected or have reoccurred.

In 2012, 0.69 percent, 19 public water systems, had acute violations for fecal coliform or E. coli.

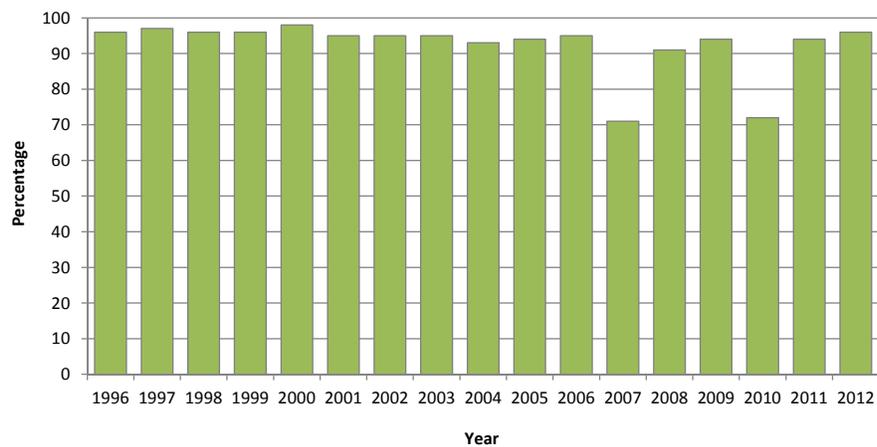
Another way to look at the number of acute MCL violations is to compare the number that actually occurred to the number possible. Since bacteriological testing is required monthly, the 2,738 water systems had more than 30,000 chances to get an E. coli MCL violation. The 19 that actually occurred represent less than one-tenth of 1 percent of the number possible. While these acute violations can be serious, they are rare.

Some people may be more vulnerable to waterborne illness than the general population. To educate the public on this issue, community water systems include a warning in their annual Consumer Confidence Reports stating that some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections.

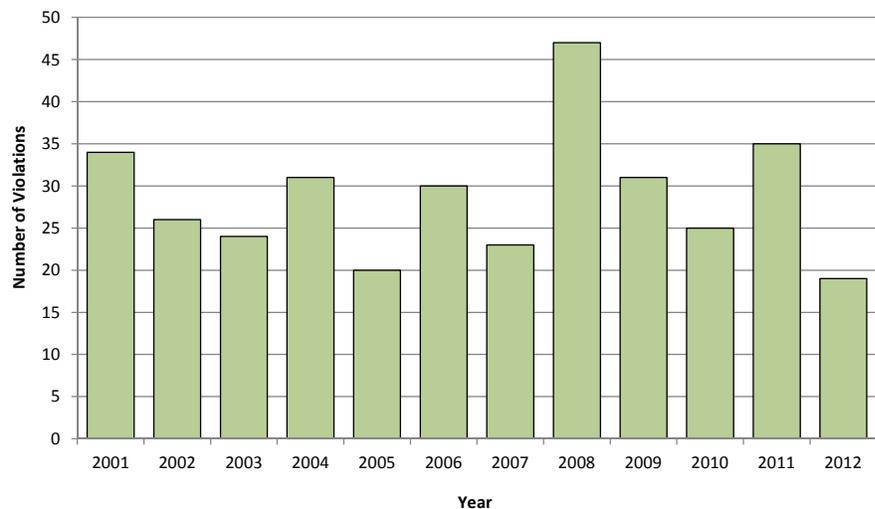
The Consumer Confidence Report provides detailed information about the specific community water system, while this report does not. Consumer Confidence Reports include specifics about the water system, including the source of drinking water and the levels of naturally occurring substances in drinking water. Usually these pose no health threat and are not violations. The report must list violations of state and federal requirements for that year. The department has made a concerted effort to provide technical assistance to small water systems through a circuit rider to help with report preparation and distribution.

Drinking Water Trends

Community Systems: Population Served Meeting All Health-Based Requirements



E. coli/Fecal Coliform Acute MCL Violations



As a result, the overall compliance rates have been high. In 2012, 86.93 percent of Missouri's community water systems distributed their Consumer Confidence Reports properly.

Anyone can request a copy of their report from their public water system or by calling the department's Public Drinking Water Branch at 800-361-4827 or 573-751-5331.

Compliance Activities: Preserving the Quality of Drinking Water

The department works closely with violators to return them to compliance in a timely manner. This includes phone contacts, on-site inspections, meetings with owners or operators and technical

assistance as needed. For more serious violations, a bilateral compliance agreement between the water system owner and the department is the tool used to return the system back into compliance. Bilateral compliance agreements are voluntary written agreements negotiated between the system owner and department's regional office. This process allows the department to determine the improvements the water system needs to make without either party having to endure the time and cost of formal litigation.

If a water system owner or operator violates a bilateral compliance agreement, the department takes formal enforcement actions. The public water system is referred to the Public Drinking Water Branch for an administrative order on

consent. This order includes a compliance schedule and penalties. If this enforcement action is unsuccessful then the Public Drinking Water Branch refers the matter to the attorney general's office for suit and injunctive relief.

Public Drinking Water Branch staff work in conjunction with other agencies to protect public health. By serving on a committee with staff from the Department of Health and Senior Services, the two agencies identify ways to support and benefit each other's activities. One of those areas is enforcement activity against facilities, such as restaurants, that are regulated by both agencies.

The department provides training and technical assistance in an effort to prevent the occurrence of violations. Training is routinely provided to operators and owners of public water systems around the state, primarily concentrating on the basic principles of running a water system, performing the required monitoring and preventing contamination of the system. Technical assistance in the form of phone contacts and on-site visits is also available to help water system operators avoid or correct problems. Staff in the department's regional and satellite offices carry out most of these activities.

For all violations, public water systems are required to notify the consumers they serve. The department provides all public water systems with the necessary forms and information to effectively notify the public. The method of notification varies by the violation and system type. Systems must report back to the department how the public notice was performed. Some violations, such as the confirmed detection of fecal coliform bacteria or E. coli, warrant immediate action due to the threat to public health. For such acute violations, the department requires systems to notify customers within 24 hours to boil water before consumption. Boil water orders remain in effect until the problem has been corrected and the water is safe to consume.

For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176 or calling 800-361-4827 or 573-751-5331. Information is also available at www.dnr.mo.gov/env/wpp/dw-index.htm.

Summary of Violations Table

The following definitions apply to the Summary of Violations table.

Filtered Systems: Water systems that have installed filtration treatment [10 CSR 60-4.050].

Inorganic Contaminants:

Non-carbon-based compounds such as metals, nitrates and asbestos. These contaminants are naturally-occurring in some water, but can get into water through farming, chemical manufacturing and other human activities [10 CSR 60-4.030].

Lead and Copper Rule: Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures [10 CSR 60, Chapter 15]. Violations are reported for: failure to monitor; failure to install optimal corrosion control treatment or a source water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and failure to provide required public education about reducing or avoiding lead intake from drinking water.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories [10CSR 60-4.040 and 4.100].

Radionuclides: Radioactive particles that can occur naturally in water or result from human activity. Safe drinking water regulations set maximum contaminant levels on five types of radionuclides: radium-226, radium-228, uranium, gross alpha and beta particle/photon radioactivity [10 CSR 60-4.060].

Surface Water Treatment Rule: This includes a series of rules promulgated from 1989-2009 that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term 7 1 Enhanced Surface Water Treatment Rule, Long Term 2 Enhanced Surface Water Treatment Rule) [10 CSR 60-4.050 and 60-4.052].

Violations of the surface water treatment rules are reported for the following categories:

- Monitoring, routine/repeat (for filtered systems): Failure to carry out required tests or to report the results of those tests. A major monitoring violation for the surface water treatment rule occurs when at least 90 percent of the required samples are not taken or results are not reported during the compliance period.
- Treatment techniques (for filtered systems): Failure to properly treat the water.
- Total Coliform Rule: The Total Coliform Rule, or TCR, establishes regulations for microbiological contaminants in drinking water. These contaminants can cause a short-term health problem. If no samples are collected during the one-month compliance period, a major monitoring violation occurs. States report four categories of violations to EPA:
- Acute MCL violation: A violation where the system found fecal coliform or E. coli, potentially harmful bacteria, in its water.

- Non-acute MCL violation: A violation where the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5 percent of the samples positive for total coliform is a violation.
- Major routine and follow-up monitoring: A violation where a system did not perform any monitoring.
- Sanitary Survey: A major monitoring violation if a system fails to collect five routine monthly samples if sanitary survey is not performed.

Maximum Contaminant Level: The highest amount of a contaminant allowed in drinking water. Maximum Contaminant Levels, or MCLs, ensure drinking water does not pose a health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: The department specifies which water testing methods the water systems must use and sets schedules for the frequency of testing. A water system that does not follow the department's schedule or methodology is in violation [10 CSR 60-4.010]. States must report monitoring violations that are significant as determined by the EPA Administrator, in consultation with the department. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period.

Groundwater Rule: Applies to public water systems that serve groundwater. It ensures monitoring of groundwater sources for E. coli contamination, and relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

Treatment Techniques: A water disinfection process that EPA requires instead of a MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants: Jan. 1, 2012 - Dec. 31, 2012

	MCL ¹ (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Organic Contaminants				*			
1,1,1-Trichloroethane	0.2					0	0
1,1,2-Trichloroethane	0.005					0	0
1,1-Dichloroethylene	0.007					0	0
1,2,4-Trichlorobenzene	0.07					0	0
1,2-DBCP	0.0002						
1,2-Dichloroethane	0.005					0	0
1,2-Dichloropropane	0.005					0	0
2,3,7,8-TCDD (Dioxin)	3x10-8						
2,4,5-TP	0.05						
2,4-D	0.07						
Acrylamide							
Alachlor	0.002						
Atrazine	0.003	0	0				
Benzene	0.005					0	0
Benzo[a]pyrene	0.0002					0	
Carbofuran	0.04					0	
Carbon tetrachloride	0.005					0	0
Chlordane	0.002					0	
cis-1,2-Dichloroethylene	0.07					0	0
Dalapon	0.2					0	
Di(2-ethylhexyl)adipate	0.4					0	
Di(2-ethylhexyl)phthalate	0.006					0	
Dichloromethane	0.005					0	0
Dinoseb	0.007					0	
Diquat	0.02					0	
Endothall	0.1					0	
Endrin	0.002					0	
Epichlorohydrin							
Ethylbenzene	0.7					0	0
Ethylene dibromide	0.00005						
Glyphosate	0.7						
Heptachlor	0.0004						
Heptachlor epoxide	0.0002						
Hexachlorobenzene							

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

*Shaded areas indicate a violation is not applicable in this category

Organic Contaminants: Jan. 1, 2012 - Dec. 31, 2012

	MCL ¹ (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Hexachlorobenzene	0.001						
Lindane	0.0002						
Methoxychlor	0.04						
Monochlorobenzene	0.1					0	0
o-Dichlorobenzene	0.6					0	0
Oxamyl (Vydate)	0.2						
Para-Dichlorobenzene	0.075					0	0
Pentachlorophenol	0.001						
Picloram	0.5						
Simazine	0.004						
Styrene	0.1					0	0
Tetrachloroethylene	0.005	3	1			0	0
Toluene	1					0	0
Total PCB	0.0005						
Toxaphene	0.003						
Trans-1,2-Dichloroethylene	0.1					0	0
Trichloroethylene	0.005					0	0
Vinyl chloride	0.002					0	0
Xylenes (total)	10					0	0

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

Disinfection Byproducts Rule: Jan. 1, 2012 - Dec. 31, 2012

	MCL ¹ (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total trihalomethanes	0.80	45	15			0	0
Haloacetic acids	0.60	1	1			0	0
Disinfection byproducts		46	15	16	13		
Total Organic Compounds				5	2		
Insufficient or Non-certified Operator				11	11		

Inorganic Contaminants: Jan. 1, 2012 - Dec. 31, 2012

	MCL (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Inorganic Contaminants							
Antimony	0.006					0	0
Arsenic	0.010					0	0
Asbestos	7 million fibers/L						
Barium	2					0	0
Beryllium	0.004					0	0
Cadmium	0.005	0	0			0	0
Chromium	0.1					0	0
Cyanide (as free cyanide)	0.2					0	0
Fluoride	4.0	4	1			0	0
Mercury	0.002					0	0
Nitrate	10 (as nitrogen)	0	0				
Nitrite	1 (as nitrogen)						
Selenium	0.05					0	0
Thallium	0.002					0	0
Total nitrate and nitrite	10 (as nitrogen)					45	45

Radiological Contaminants: Jan. 1, 2012 - Dec. 31, 2012

	MCL ¹ (pCi/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Radiological Contaminants							
Gross Alpha	15pCi/L	28	9			4	4
Radium-226 and radium-228	5 pCi/L	44	13			4	4
Gross beta	4 mrem/yr						
Subtotal		72	14 ²			8	4

Microbiological Contaminants: Jan. 1, 2012 - Dec. 31, 2012

	MCL Presence/Absence	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	Number of Violations	No. of Systems with Violations	Number of Violations	No. of Systems with Violations
Total Coliform Rule							
Acute MCL violation	Presence	19	19				
Non-acute MCL violation	Presence	339	240				
Major routine and follow up Monitoring						628	379
Sanitary survey ³							
Subtotal		358	240 ⁴			628	379

¹ Values are in Picocuries per liter (pCi/L), unless otherwise specified

² Some systems may have violations in multiple categories

³ Number of violations for failure to perform sanitary survey under the Total Coliform Rule.

⁴ All Systems with an acute MCL violation also had a non-acute monthly MCL violation for the same month

Surface Water Treatment Rule: Jan. 1, 2012 - Dec. 31, 2012

	MCL	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	Number of Violations	No. of Systems with Violation
Surface Water Treatment							
Filtered systems							
Monitoring, routine/repeat						2	2
Treatment techniques				10	5		
Unfiltered systems							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				10	5	2	2

Lead and Copper Rule: Jan. 1, 2012 - Dec. 31, 2012

	MCL	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Lead and Copper Rule ¹							
Initial lead and copper tap monitoring and reporting						5	5
Follow-up or routine lead and copper tap monitoring and reporting						6	6
Treatment installation							
Public education						49	49
Subtotal						60	60

¹ Includes any system not up to date on lead and copper monitoring. Not comparable with Annual Compliance Report figures from 2011.

Public Notification: Jan. 1, 2012 - Dec. 31, 2012

	MCL	MCL		Treatment Techniques		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Public Notification							
Consumer Confidence Reports ¹						189	189
Subtotal						267	241

¹ Violations for failure to produce and distribute the 2011 Consumer Confidence Report in 2012.

Groundwater Rule: Jan. 1, 2012 - Dec. 31, 2012

	MCL	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Groundwater Rule							
Failure to treat				9	9		
Failure to address contamination				0	0		
Failure to address deficiency				11	11		
Public Notice						10	6
Sanitary Survey						0	0
Major routine and follow up monitoring						56	40
Subtotal				20	20	66	46

Appendix A - MCL Violations - Acute

I. Coliform MCL Violations - Acute

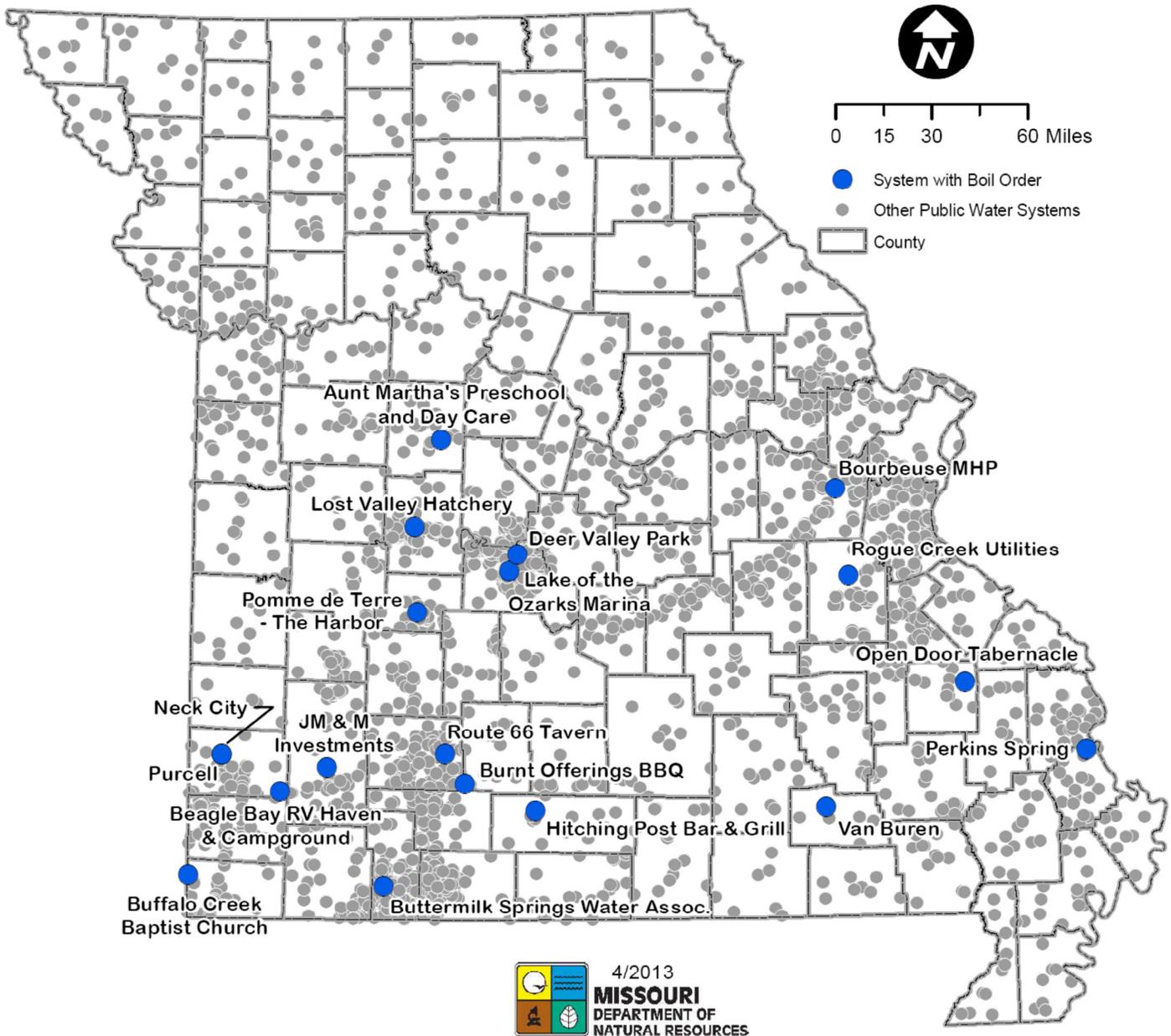
The following systems were under boil water orders due to acute MCL violations for fecal coliform or E. coli bacteria for the months listed. These acute violations also violate the standard for total coliform bacteria.

County	ID#	System Name	Month(s)	Issue	Rescind
BENTON	M03142486	LOST VALLEY HATCHERY	May	6/8/2012	8/14/2012
CAMDEN	M03260059	DEER VALLEY PARK	August	8/30/2012	9/27/2012
	M03232485	LAKE OF THE OZARKS MARINA	June	6/29/2012	7/17/2012
CARTER	M04010811	VAN BUREN	February	2/24/2012	2/28/2012
DOUGLAS	M05212925	HITCHING POST BAR & GRILL	July	7/23/2012	7/26/2012
FRANKLIN	M06048103	BOURBEUSE MHP	July	7/27/2012	8/1/2012
GREENE	M05182849	JM & M INVESTMENTS	April	4/9/2012	4/11/2012
HICKORY	M05112098	POMME DE TERRE THE HARBOR	June	7/9/2012	7/18/2012
JASPER	M05241246	BEAGLE BAY RV HAVEN & CAMPGROUND	March	4/13/2012	4/30/2012
	M05010558	NECK CITY	April	4/21/2012	6/14/2012
	M05010665	PURCELL	April	4/21/2012	6/14/2012
LAWRENCE	M05212358	ROUTE 66 TAVERN	May	6/4/2012	8/7/2012
MADISON	M04272489	OPEN DOOR TABERNACLE	April	4/10/2012	5/16/2012
MCDONALD	M05272955	BUFFALO CREEK BAPTIST CHURCH	September	9/12/2012	10/4/2012
PETTIS	M03172256	AUNT MARTHAS PRESCHOOL & DAY CARE	March	4/4/2012	4/13/2012
SCOTT	M04031624	PERKINS SPRING	July	7/16/2012	7/26/2012
STONE	M05031125	BUTTERMILK SPRINGS WATER ASSOCIATION	September	10/4/2012	4/16/2013
WASHINGTON	M04036318	ROGUE CREEK UTILITIES	January	2/8/2012	8/6/2012
WEBSTER	M05212946	BURNT OFFERING BBQ	March	3/28/2012	2/14/2013

Note: If no "Rescind Date", the boil order was still in effect at time of printing.

2012 Boil Water Orders

Issued due to acute MCL violations of the Total Coliform Rule and the Surface Water Treatment Rule



For current boil water orders, check the department's webpage at www.dnr.mo.gov/env/wpp/boil/index.html

Appendix A - MCL Violations Non-Acute

I. Coliform MCL Violations

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
ANDREW	M01024004	ANDREW CO PWSD 1	August
BARRY	M05031088	ELMO SUBDIVISION 1 & 2 & 3	October
	M05036020	MO AMERICAN - LAKEWOOD MANOR SUBD	November
	M05036195	TWIN RIVERS SUBD	May
	M05111949	TABLE ROCK BIG M MARINA	September
	M05172958	BEREAN CHRISTIAN ACADEMY	August
	M05202704	CAMP BARNABAS	August
	M05210631	ROADHOUSE GRILL & PUB	August
	M05211485	TIMBEROC VILLAGE SHOPPING CENTER	April, July
	M05261623	COUNTRY VILLAGE MHP	October
	M05291283	UNCLE ROYS ONE STOP	April
BARTON	M05010313	GOLDEN CITY	December
BENTON	M01212806	LOST ACRES (VIKINGS)	September, October, November
	M01212915	CHARLEYS BUFFET	April
	M01212952	FERGERSONS RENTAL AND FERGS DINER	August, September
	M01272844	ABUNDANT LIFE CHRISTIAN CHURCH	February, March
	M01282815	REEDS RV PARK AND STORAGE	July
	M03010400	IONIA	June
	M03031366	THE MISSING WELL	June, September
	M03048043	DOUBLE M TRAILER PARK	November
	M03112192	TRUMAN LONG SHOAL PUA	May, June
	M03120156	HARRY S TRUMAN STATE PARK OFFICE	August
	M03142486	LOST VALLEY HATCHERY	May
	M03190264	HIDDEN LAKE MOTEL	June, July
	M03190266	RIVERS END MOTEL	November
	M03210344	DARS CAFE	January
	M03241430	EAGLES NEST RV RESORT	May
	M03270289	CEDAR GROVE BAPTIST CHURCH	September, November
	M03270290	COLONY BAPTIST CHURCH	June, October, November
BUTLER	M04191461	MILLERS MOTOR LODGE	June
CALLAWAY	M03048994	NEW CHRISTIAN LIFE FELLOWSHIP	August
CAMDEN	M03031208	MAKALU ESTATES	October
	M03071339	NANTUCKET BAY	January, August, December
	M03190749	OZARK VILLAGE RESORT	May
	M03190757	CEDAR GREEN CONDOMINIUM	April
	M03190763	IRISH HILLS LAKESIDE RESORT LLC	September
	M03192066	SHANGRI LA RESORT	September
	M03198088	MICKEYLAND RESORT	March, June, December
	M03198238	DOGWOOD HILLS GOLF COURSE	July, September, October
	M03200834	PALISADES CONDO OWNERS ASSOC	October
	M03212294	BACKWATER JACKS BAR & GRILL	May, August
	M03212445	MARINERS PIER 31 YACHT CLUB	September
	M03212580	THE STORAGE SHED	May
	M03232485	LAKE OF THE OZARKS MARINA	April, June
	M03248239	CAMP HERITAGE	April
	M03260059	DEER VALLEY PARK	August
	M03281045	NEW TRIBES MISSION INC	April, June
	M03281046	LAKESHORE PLAZA	November
	M03292426	BARRYS	July, August, September, October
	M05031429	PLEASANT VALLEY ASSOCIATION 1	November

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)	
CAMDEN	M05041393	HICKORY VILLAGE	February	
	M05212834	COME ON IN CAFE	April, May	
	M05243013	MISSOURI TRAPSHOOTERS ASSOC	February	
	M05252930	MIMOSA BEACH POA	June	
	M05301443	HYD-A-WAY CONDOMINIUMS	July	
CAPE GIRARD	M04048083	PARKWOOD LAKE ESTATES	July	
CARTER	M04010811	VAN BUREN	February	
CASS	M01010225	DREXEL	September	
	M01024116	CASS CO PWSD 4	June	
CEDAR	M05010241	EL DORADO SPRINGS	June	
	M05172802	AGAPE BOARDING SCHOOL	September	
	M05191320	MT CARMEL INN	May, June, July, September	
CHRISTIAN	M05036027	BILYEU RIDGE HILLS SUBD	June	
	M05172506	HOME AWAY FROM HOME LEARNING CENTER	September	
	M05273003	LIFEPPOINT CHURCH	January, February	
	M05282886	GATEWAY TO THE OZARKS WELCOME CENTER	August	
COLE	M03024164	COLE CO PWSD 5	November	
COOPER	M03010115	BUNCETON	August	
CRAWFORD	M03240249	CAMP MIHASKA	August	
	M03240880	HUZZAH VALLEY STABLES INC	April	
	M04242982	LADYBUG RV PARK & CAMPGROUND	August	
	M06210144	MERAMEC VALLEY CAMP RESORT	May, August, October	
	M05242816	MENAGERIE CAMPGROUND	March	
DALLAS	M01024191	DEKALB CO PWSD 1	October	
DENT	M04172690	NEW HARMONY BAPTIST CHURCH	October	
DOUGLAS	M05212925	HITCHING POST BAR & GRILL	July	
DUNKLIN	M04010022	ARBYRD	April	
	M04010170	CLARKTON	May	
FRANKLIN	M04010490	MALDEN	September	
	M06010303	GERALD	May	
	M06010708	ST CLAIR	November, December	
	M06010801	UNION	August	
	M06031237	HAYFIELD WATER WORKS	November	
	M06048103	BOURBEUSE MHP	July	
	M06192601	CEDAR CREEK CONFERENCE CENTER	October, November	
	M06242645	CAMP TRINITY	October	
	GREENE	M05010032	ASH GROVE	August
		M05036094	GREENE HILLS COUNTRY CLUB	April, September, October
M05036241		PEACE OF MIND ESTATES	August, September	
M05048013		SHADY ACRES MHP	November, December	
M05182240		REGAL BELOIT CORP	July	
M05182849		JM & M INVESTMENTS	April	
M05210110		SPRINGFIELD SKATELAND	September, October	
M05271587		TEMPLE ISRAEL	September, October	
HENRY	M05272441	AGAPE LIFE FELLOWSHIP	October	
	M01010865	WINDSOR	October	
HICKORY	M05112098	POMME DE TERRE THE HARBOR	June	
	M05210920	HICKORY RIDGE HWY 83 MARINA & RESORT	July	
	M05251418	REMINGTON RANGE	April	
IRON	M04180665	DOE RUN COMPANY-VIBURNUM 35	April, June	

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)	
JASPER	M05010004	ALBA	October, December	
	M05010558	NECK CITY	April	
	M05010665	PURCELL	April	
	M05031602	MALFUNCTION JUNCTION	October	
	M05041599	PLEASANT VALLEY MHP	August	
	M05172883	COVENANT WORLD OUTREACH	June	
	M05241246	BEAGLE BAY RV HAVEN & CAMPGROUND	March	
	M05242916	BIG RED BARN RV PARK	June	
	JEFFERSON	M06010368	HILLSBORO	May
		M06010970	CEDAR HILL LAKES VILLAGE	November
		M06036042	FICKEN HILL SUBD	August
		M06036061	WOODRIDGE APARTMENTS	July, August
		M06041184	WALKER HILL MHP	April
		M06048052	SYCAMORE GREEN ACRES MHP	July
		M06048150	LIFE STYLE MHP	November
		M06048200	A & H COUNTRY ESTATES INC	June, August
		M06048208	VALLE ACRES MHP	August, September, October
M06048401		SYCAMORE SPRINGS TRAILER PARK	December	
M06048616		MANDERLY MHP	November	
M06182217		AMEREN U E RUSH ISLAND	November	
M06292691		PRO STOP	May	
LAWRENCE	M05010553	MOUNT VERNON	March, August	
	M05048294	LUCKY LADY MOBILE HOME PARK	May	
	M05180545	AMERICAN DEHYDRATED FOODS	May	
LINCOLN	M05212358	ROUTE 66 TAVERN	May	
	M06010798	TROY	May, December	
	M06024340	LINCOLN CO PWSD 1	July	
	M06036217	LAKEVIEW SUBD WATER SYSTEM	May, August, September, October, November	
MADISON	M06120055	CUIVRE RIVER STATE PARK CAMP DERRICOTTE	April, May, August	
	M04272489	OPEN DOOR TABERNACLE	April	
	MARIES	M03010054	BELLE	June
		M03021236	MARIES CO PWSD 1 SOUTH	July
		M03242408	TURKEY HILL RANCH BIBLE CAMP	August
MCDONALD MILLER	M03292561	THOMAS QUICK STOP	June	
	M04292847	CROSSROADS CONVENIENCE STORE	March, April, July	
	M05272955	BUFFALO CREEK BAPTIST CHURCH	September	
	M03010240	ELDON	June	
	M03010441	LAKE OZARK	November	
	M03010444	LAKESIDE VILLAGE	January	
	M03212296	TOOTERS SALOON & STEAKHOUSE	April, May, June	
	M03241441	MILLION SHOREWOOD LANDING	May	
MONITEAU	M05162714	MILLER COUNTY HEALTH CENTER	July	
	M03024395	MONITEAU CO PWSD 1	September	
MONTGOMERY	M03011121	RHINELAND	July	
	M03291410	DANVILLE SINCLAIR	June, October	
	M06180572	NEW FLORENCE WOOD PRODUCTS	May	
MORGAN	M03010819	VERSAILLES	June	
	M03031358	MORGAN CO PWSD # 2	May	
	M03190044	CAMP SABRA	May, June	
	M03190841	VILLAGE OF GENTLE SLOPES	May	
	M03210066	MAD MONGOOSE TOO	August	

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
MORGAN	M03212568	BUMPS BAREFOOT	July
	M05252728	MOFFETT SUBDIVISION	June
	M05252990	WASHBURN POINT SUBDIVISION	August
NEWTON	M05301457	MILLSTONE LUXURY CONDOMINIUMS	September
	M05048224	TOWN & COUNTRY MHP	January
NODAWAY	M05241139	MINTAHAMA PROGRAM CENTER	June
	M01010744	SKIDMORE	February
OREGON	M04100065	USFS GREER CROSSING	July
OSAGE	M03010517	META	July, August
OZARK	M05011066	BAKERSFIELD	June
	M05192286	TURKEY CREEK RANCH	June
	M05211086	THE GRAPEVINE	June
PETTIS	M05232259	CLOUD 9 RANCH CLUB INC	April, May
	M03172256	AUNT MARTHAS PRESCHOOL & DAY CARE	March
PHELPS	M03048123	STATELY MANSION MOBILE VILLA	July, August, September
	M03048125	ALTA VISTA MOBILE VILLA	July, August
	M03048127	WOODCREST MHP	May, June
POLK	M04212840	MATTS STEAKHOUSE	August
	M04243048	PHEASANT ACRES RV PARK LLC	April, July, September, October
	M05032924	TURTLECREEK SUBDIVISION	August
PULASKI	M05222460	BOLIVAR MUNICIPAL AIRPORT	August, October, November
	M05248066	CAMP WAKAHNI	May
	M05283052	BRIGHTON ASSEMBLY OF GOD	April
RANDOLPH	M03010219	DIXON	June
	M03024492	PULASKI CO PWSO 3	February
	M03211134	THE CAVE RESTAURANT & RESORT	February
REYNOLDS	M03211505	DI TRAPANI ITALIAN BISTRO	March
	M04031626	MC COUCH DRIVE HOA	July
	M02010533	MOBERLY	May
SCOTT	M04190874	BLACK RIVER LODGE INC	May, June, July, August
SHANNON	M04010062	BENTON	September
	M04031624	PERKINS SPRING	July
	M04142876	TWIN PINES CONSERVATION EDUCATION FACILITY	October
ST CHARLES	M06036022	PRAIRIE VIEW ACRES SUBD	July, August
	M06048001	LACLEDE MHP	May
	M06163066	TOWNE PARK	October
ST CLAIR	M06171217	ST PAULS ELEMENTARY SCHOOL	August
	M06232479	YACHT CLUB OF ST LOUIS	May
	M05252862	WOODLAND ACRES	July
ST FRANCOIS	M05291358	JOES COUNTRYSIDE MARKET	September
	M04010270	FARMINGTON	October, November
	M04170524	MOTHER GOOSE DAY CARE & PRE SCHOOL LLC	April
ST LOUIS	M04202962	ST FRANCOIS COUNTRY CLUB INC	August, September
	M04212391	PJS GROCERY AND DELI	June
	M04212885	RUMRUNNERS	September, October
STE GENEVIEVE	M04273068	NEW BEGINNINGS CHURCH	August
	M06282400	TYSON RESEARCH CENTER	April
STE GENEVIEVE	M04010718	ST MARY	January, April, August, September, October
	M04024543	STE GENEVIEVE CO PWSO 1 SC	June, October
	M04258565	PEACEFUL VALLEY BAPTIST CAMP	July

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)	
STONE	M05030473	STARLIGHT VILLAGE	July	
	M05030870	COUNTRY TIME ESTATES	May, September	
	M05031103	RAINBOW HILLS	May	
	M05031125	BUTTERMILK SPRINGS WATER ASSOCIATION	September	
	M05031233	LONG BEND SUBD	July	
	M05031446	STONE CO COUNTRY MEADOWS HOA INC	July	
	M05031613	SKYVIEW SUBDIVISION	August	
	M05036201	STONEBRIDGE WEST SUBD	May	
	M05036272	INDIAN HILLS HOMEOWNERS ASSOCIATION	June	
	M05041213	STONES MHP	July	
	M05190587	WHITE EAGLE WOODS MHP	October, December	
	M05190967	RIDGEVIEW MOTEL	April	
	M05190970	ALPINE LODGE RESORT	August	
	M05191573	LIGHTHOUSE LODGE RESORT	September, October	
	M05253017	HER-LOY ESTATES SUBDIVISION	August, September	
	M05258070	STARRLITE VILLAGE 4TH ADDITION	April, May, September	
	M05258122	WHITE OAK STATION # 6	June	
	TANEY	M05024599	TANEY CO PWSD 1	June, September
		M05036180	TANEY CO WATER LLC - VENICE	February, March, May, October, November, December
		M05036223	TANEY CO WATER LLC - LAKEWAY	March
M05070611		BRANSON EAST APARTMENTS	September	
M05070683		DEER RUN APTS	September	
M05191029		LAZY VALLEY RESORT	August	
M05191030		TANGLEWOOD LODGE	March	
M05252920		BIG BEAR ESTATES POA	September	
M05258138		RAPID ROBERTS 104	November	
M06213062		CEDAR LAKE CELLARS	December	
WARREN	M04036318	ROGUE CREEK UTILITIES	January, February	
	M04173065	LITTLE LEARNERS ACADEMY	February	
WASHINGTON	M04212819	OZARK FREEZE RESTAURANT	May, July, August, September	
	M06010659	POTOSI	April, August, October	
	M06171236	KINGSTON K 14 SCHOOL DISTRICT	April	
WAYNE	M04198545	TWIN OAKS RESORT	August	
WEBSTER	M05182899	SHO ME POWER ELECTRIC COOP	October	
	M05192893	PARADISE IN THE WOODS RV PARK	September	
	M05192923	PLAZA MOTEL	June, July	
	M05212946	BURNT OFFERING BBQ	March	
	M05258130	BILLS QUICK MART	September	

II. Chemical MCL Violations

County	Id#	System Name	Chemical
ATCHISON	MO1010786	TARKIO BOARD OF PUBLIC WORKS	TOTAL TRIHALOMETHANE (TTHM)
AUDRAIN	MO2010812	VANDALIA	TOTAL HALOACETIC ACIDS (HAA5)
CALDWELL	MO1010099	BRECKENRIDGE	TOTAL TRIHALOMETHANE (TTHM)
	MO1010342	HAMILTON	TOTAL TRIHALOMETHANE (TTHM)
CASS	MO1010301	GARDEN CITY	TOTAL TRIHALOMETHANE (TTHM)
GENTRY	MO1070639	MIDDLE FORK WATER CO	TOTAL TRIHALOMETHANE (TTHM)
GRUNDY	MO2010796	TRENTON MUNICIPAL UTILITIES	TOTAL TRIHALOMETHANE (TTHM)
HENRY	MO1010076	BLAIRSTOWN	TOTAL TRIHALOMETHANE (TTHM)
LAFAYETTE	MO1010599	ODESSA	TOTAL TRIHALOMETHANE (TTHM)
LEWIS	MO2010134	CANTON	TOTAL TRIHALOMETHANE (TTHM)
LINCOLN	MO6031217	TIMBER RIDGE ESTATES	FLUORIDE
LINN	MO2010112	BUCKLIN	TOTAL TRIHALOMETHANE (TTHM)
MARIES	MO3010822	VIENNA	TETRACHLOROETHYLENE
MARION	MO2010344	HANNIBAL	TOTAL TRIHALOMETHANE (TTHM)
PIKE	MO2010479	LOUISIANA	TOTAL TRIHALOMETHANE (TTHM)
SALINE	MO2010745	SLATER	TOTAL TRIHALOMETHANE (TTHM)
WORTH	MO1010739	SHERIDAN	TOTAL TRIHALOMETHANE (TTHM)

III. Radiological MCL Violations

County	ID#	System Name	Chemical
CAMDEN	MO3031265	BIG ISLAND WATER COMPANY	COMBINED RADIUM (-226 & -228)
CAPE GIRARDEAU	MO4031453	WESTLAKE MEADOWS SUBDIVISION	COMBINED RADIUM (-226 & -228)
LINCOLN	MO6010902	SILEX	GROSS ALPHA, EXCL. RADON & U
MCDONALD	MO5010449		COMBINED RADIUM (-226 & -228)
	MO5010645	PINEVILLE	LANAGAN COMBINED RADIUM (-226 & -228)
	MO5021168	MC DONALD CO PWSD 3	GROSS ALPHA, EXCL. RADON & U
ST FRANCOIS	MO4010087	BONNE TERRE	COMBINED RADIUM (-226 & -228)
	MO4010270	FARMINGTON	COMBINED RADIUM (-226 & -228)
	MO4021451	PILOT KNOB RURAL WD 1 DOE RUN AREA	GROSS ALPHA, EXCL. RADON & U
	MO4036059	TERRE DU LAC	COMBINED RADIUM (-226 & -228)
ST LOUIS	MO6061615	BENCHMARK HEALTHCARE OF WILDWOOD	GROSS ALPHA, EXCL. RADON & U
TANEY	MO5036210	MO AMERICAN - RIVERSIDE ESTATES	COMBINED RADIUM (-226 & -228)
VERNON	MO5024616 V	ERNON CO PWSD 1	GROSS ALPHA, EXCL. RADON & U
WASHINGTON	MO4011123	MINERAL POINT	GROSS ALPHA, EXCL. RADON & U
			COMBINED RADIUM (-226 & -228)

IV. Surface Water Violations

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period Indicated.

County	Id#	System Name	Period	Violation
BARTON	M05010465	LIBERAL	May	Combined Filter Effluent Turbidity
BATES	M01010682	RICH HILL	July	Combined Filter Effluent Turbidity
CAMDEN	M05252622	NIANGUA POINT WATER ASS	May, June, July, August, September	Combined Filter Effluent Turbidity
CHARITON	M02010420	KEYTESVILLE	February	Combined Filter Effluent Turbidity
CLINTON	M01010648	PLATTSBURG	May	Combined Filter Effluent Turbidity
COLE	M03292542	MERTENS MINI MART 7	July, August	Combined Filter Effluent Turbidity
DEKALB	M01010510	MAYSVILLE	April, May, June, August, September	Combined Filter Effluent Turbidity
GREENE	M05292347	CIRCLE K # 309	October	Combined Filter Effluent Turbidity
HOWARD	M02010271	FAYETTE	May	Combined Filter Effluent Turbidity
IRON	M04010821	VIBURNUM	January, February, March, December	Combined Filter Effluent Turbidity
OZARK	M05292331	ROYS STORE	October	Combined Filter Effluent Turbidity
SCOTT	M04010604	ORAN	May	Combined Filter Effluent Turbidity
ST FRANCOIS	M04240120	S F SCOUT RANCH	July	Combined Filter Effluent Turbidity
ST LOUIS	M06031185	PEVELY FARM INC	October	Combined Filter Effluent Turbidity
STONE	M05240075	DEER RUN MOTEL	August	Combined Filter Effluent Turbidity
TANEY	M05191988	HIDEAWAY LODGE	July, August, September, October	Combined Filter Effluent Turbidity
VERNON	M05010828	WALKER	January	Combined Filter Effluent Turbidity

Appendix B

Chronic Major Monitoring Violators

The following systems had three or more major violations of the Total Coliform Rule in 2012 and have been listed on previously issued news releases for chronic monitoring violations.

County	System Name	PWS ID #	Months
BARRY	FRATERNAL ORDER OF EAGLE 4155	MO5212841	January, February, March, October, November, December
BENTON	JENKINS KWIK STOP	MO5292405	January, August, November, December
	HIDDEN VALLEY MHP	MO3262156	January, February, March, April, May, July, August, September, October, November, December
	T T CAMPGROUND	MO1242804	January, February, March, April, May, June, July, August, September, October, November, December
CAMDEN	NANTUCKET BAY	MO3071339	February, March, April
DALLAS	WILD OAKS CAMPGROUND	MO5242820	May
GASCONADE	OLD DUTCH MILL	MO6293060	January, February, June, October
	ON THE LINE DINER	MO6213044	February, March, April, May, June, October
GREENE	HARVEST CHURCH	MO5271629	March, August, September, October, November, December
	HICKORY R B CAMPGROUND	MO5242917	May, August, September, October
	LAWRENCE HUNGRY HOUSE CAFE	MO5212682	February, May, July, September
	ROUTE 66 TAVERN	MO5212358	March, June
MILLER	CAMP BAGNELL	MO3241749	April
	MARINA INN	MO3190808	January, February, May, September, October, November, December
NEWTON	BLUE SKY RV PARK	MO5242919	March, April, July, September, October, November
	CAROLYNS CORNER CAFE	MO5211212	February, August, September, October
	FAR OUT MARKET	MO5292861	February, August, September, October
	OLE BRONCS	MO5211719	July, August, September, October, November
PERRY	RHODES 101 CONVENIENCE STORE	MO4211072	February, March, June, December
PHELPS	BACKROADS GRILL AND BAR	MO3262171	June, July, August, September, October
PULASKI	MC COUCH DRIVE HOA	MO4031626	August, September, October, December
REYNOLDS	CENTERVILLE QUICK STOP LLC	MO4293001	January, June, September, December
ST LOUIS	WILDHORSE CREEK AMOCO	MO6291618	January, March, June, July, August, October
STONE S	KYVIEW SUBDIVISION	MO5031613	September, October, November, December
	SPANKS	MO5211325	April, June, November
	THE LAKE HOUSE	MO5282679	March, April, June, December
TEXAS	EL RANCHO TRUCK PLAZA	MO4211081	January, June
	MIDWEST TRUCK STOP	MO4218523	January, June
WASHINGTON	WASHINGTON CO KNIGHTS OF COLUMBUS	MO4283058	February, May, June, July, December
WEBSTER	WILD ANIMAL SAFARI INC	MO5208114	January, June
WRIGHT	MANES CAFE	MO5212760	March, September, November, December

Appendix C

Major Repeat Monitoring Violations

The following systems had major repeat monitoring violations for the months listed. A major repeat monitoring violation occurs when a routine sample tests positive for total coliform bacteria and that system fails to submit any follow-up, or repeat, samples as required.

County	Id#	System Name	Months
CAMDEN	M03071339	NANTUCKET BAY	July, November
	M03180363	GREENVIEW BETTERMENT ASSOC	July
	M03190770	SUNSET INN RESORT	April, July
	M03198088	MICKEYLAND RESORT	May
	M03198238	DOGWOOD HILLS GOLF COURSE	November
	M03212294	BACKWATER JACKS BAR & GRILL	March
	M03280910	SUNRISE BAY CONDOMINIUMS	July
	M05041617	LAURIE MOBILE HOME PARK	February
	M05252622	NIANGUA POINT WATER ASSOCIATION	August
	M05301480	SUNSET PALMS CONDOMINIUMS	November
CASS	M01024119	CASS CO PWSD 8	November
CHRISTIAN	M05172506	HOME AWAY FROM HOME LEARNING CENTER	October
CRAWFORD	M06190794	EAGLE HURST RANCH	August
GASCONADE	M06213044	ON THE LINE DINER	March, November
JEFFERSON	M06036101	FRONTIER ESTATES	July
	M06048059	WOODHURST MHP	August
	M06048208	VALLE ACRES MHP	October
	M06292691	PRO STOP	October, November
MILLER	M03241749	CAMP BAGNELL	July
MONTGOMERY	M03291410	DANVILLE SINCLAIR	July
MORGAN	M03252600	OSAGE COMMUNITY ELKS LODGE 2705	September
OZARK	M05190867	TWIN FORKS RESORT	August, November
	M05211086	THE GRAPEVINE	August
POLK	M05283052	BRIGHTON ASSEMBLY OF GOD	December
RIPLEY	M04102223	USFS FLOAT CAMP CAMPGROUND	July
STONE	M05031104	BRIAR CLIFF SUBDIVISION	November
	M05191678	BAR M RESORT & CAMPGROUND	May
	M05258122	WHITE OAK STATION # 6	August
	M05282679	THE LAKE HOUSE	August
WASHINGTON	M04212819	OZARK FREEZE RESTAURANT	April



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

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