



**Arkansas
Department
of Health**

Drinking Water Program

Annual Report

Public Water System Supervision Program

Calendar Year 2018

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ABBREVIATIONS AND DEFINITIONS

ARWA	Arkansas Rural Water Association
AWOP	Area Wide Optimization Program
CCCP	Cross-Connection Control Program
CCR	Consumer Notification
CDP	Capacity Development Program
CPE	Comprehensive Performance Evaluations
CY	Calendar Year
DBPR	Disinfectants and Disinfection Byproducts Rule
EPA	Environmental Protection Agency
GWR	Ground Water Rule
HAA	Total Haloacetic Acids
LT2ESWTR	Long Term 2 Enhanced Surface Water Treatment Rule
MCLs	Maximum Contaminant Levels
OEL	Operational evaluation level
OIT	Operator-In-Training
PWS	Public Water Systems
RTCR	Revised Total Coliform Rule
SDWIS	Safe Drinking Water Information System
SDWA	Safe Drinking Water Act
SOC	Synthetic Organic Compounds
SWAP	Source Water Assessment Program
SWTR	Surface Water Treatment Rule
TT	Treatment Technique
TTHM	Total Trihalomethanes
VOC	Volatile Organic Compounds

INTRODUCTION

Arkansas Land Use (2018 U. S. Census Bureau Estimate)

Total area of Arkansas	34,036,672 acres
Total area of land	33,328,192 acres
Total area of water	708,480 acres
Total area of forest	15,950,000 acres
Total area of arable land	7,295,000 acres
Total area of wetland	820,619 acres
Total area of barren land	42,000 acres
Total area of developed land	205,340 acres

Characteristics of Arkansas's Water Systems

Population of Arkansas (2018 U. S. Census Bureau Estimate) 3,013,825

Population served by public water systems	2,929,458
Population served by surface water systems	1,905,997
Population served by ground water systems	852,239
Population served by ground & surface systems	171,222

% population served by community public water systems	97.2%
% population served by individual private wells or other source	2.8%

Total number of public water systems active during 2018 1071

Number of community public water systems	690
Number of transient non-community public water systems	346
Number of non-transient non-community public water systems	35
Number of systems using surface water	439
Number of systems using ground water	596
Number of systems using ground & surface	36

Total average daily water used by public water systems (estimate MGD) 561

PURPOSE

The purpose of this report is to summarize the Arkansas Public Water System violations data submitted to the Safe Drinking Water Information System (SDWIS/FED) for the calendar year 2018. The data include PWS inventory statistics, the incidence of Maximum Contaminant Level, Major Monitoring, and Treatment Technique violations, and the enforcement actions taken against violators. The report provides a total annual representation of the numbers of violations for each of the four categories listed in Section 1414(c)(3) of the Safe Drinking Water Act reauthorization. These four categories include MCLs, treatment techniques, variances and exemptions, and significant monitoring violations.

STATUTORY ORIGIN

The EPA established the Public Water System Supervision (PWSS) Program under the authority of the 1974 Safe Drinking Water Act (SDWA). Under the SDWA and its 1986 and 1996 Amendments, EPA sets national limits for contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs). For some regulations, EPA establishes treatment techniques in lieu of MCLs to control unacceptable levels of contaminants in water. The EPA also regulates how often public water systems (PWSs) monitor their water for contaminants and requires the monitoring results to be reported to the States and/or EPA. Generally, the larger the population served by a water system, the more frequent the monitoring and reporting (M/R) requirements. In addition, EPA requires PWSs to monitor for unregulated contaminants to provide data for future regulatory development. Finally, EPA requires PWSs to notify the public when they have violated these regulations. The 1996 Amendments to the SDWA require public notification to include a clear and understandable explanation of the nature of the violation, its potential adverse health effects; steps that the PWS is undertaking to correct the violation and the possibility of alternative water supplies during the violation.

The SDWA applies to the 50 States, the District of Columbia, Indian Country, Puerto Rico, the Virgin Islands, American Samoa, Guam, the Commonwealth of the Northern Mariana Islands, and the Republic of Palau.

The SDWA allows States and Territories to seek EPA approval to administer their own PWSS Programs. The authority to run a PWSS Program is called primacy. To receive primacy, States must meet certain requirements laid out in the SDWA and the regulations, including the adoption of drinking water regulations that are at least as stringent as the Federal regulations and a demonstration that they can enforce the program requirements. Of the 57 States and Territories, all but Wyoming and the District of Columbia have primacy. The EPA Regional Offices administer the PWSS Programs within these two jurisdictions.

ACCESSIBILITY TO PUBLIC:

The full report will be made available on the Arkansas Department of Health – Engineering Section web site. The address is: <https://www.healthy.arkansas.gov/programs-services/topics/epa-drinking-water-annual-violation-reports>

1. The notice of availability will be published in the Section's quarterly newsletter. This newsletter reaches all community and non-transient non-community PWS's, consulting engineers, government agencies, nonprofit organizations and other stakeholders interested in public drinking water in the state of Arkansas.
2. A notice of the availability of the report will be provided to all local health units in Arkansas.

Summary of Violations

- No violations occurred during 2018 for contaminants and rules not shown in the violation tables.
- There were 1071 public water systems in operation during 2018. Six hundred and eighty nine (690) were community water systems, thirty five (35) were non-transient, non-community water systems, and three hundred and forty six (346) were transient non-community water systems.
- A total of two hundred and fifty eight (258) major monitoring violations occurred for one hundred and seventy eight (178) public water systems during 2018. Sixty seven (67) violations were for forty eight (48) community water systems, one (1) violation was for one (1) non-transient, non-community water systems, one hundred and fifty nine (159) violations were for forty eight (48) transient non-community water systems, and thirty one (31) violations for thirteen (13) systems who were active in CY2018 but are now inactive and non-public.
- A total of two hundred and seventy seven (277) Maximum Contaminant Level (MCL) or Treatment Technique (TT) violations were issued in 2018 for one hundred and one (101) systems. Two Hundred and thirty one (231) violations for (80) community water systems, seven (7) violations for three (3) non-transient, non-community water systems, and twelve (12 violations) for eleven (11) transient non-community water systems and twenty seven (27) violations for seven (7) systems which were active in CY2018 but are now inactive and non-public.
- No variances or exemptions were issued to any public water system in Arkansas during the calendar year 2018.
- 96.3% of the public water systems in Arkansas did not have an organic (SOC, VOC, TTHM, HAA) MCL violation. All organic MCL violations were for the (TTHM, HAA) analyte group. TTHM, trihalomethanes, and HAA, haloacetic acids, are by products of the disinfection process and naturally occurring organic material such as leaf decay. The occurrence of these contaminants, are largely the result of the use of water sources in forested areas and use of chlorine for disinfection purposes.
- 100% of the public water systems in Arkansas did not have a nitrate MCL violation.
- 99.9% of the community public water systems in Arkansas did not exceed the radium-226/228 MCL or either of the individual MCL's. One system (AR0000096) received two violations.
- There were eleven (11) inorganic chemical (MCL) violations for three water systems, one (1) community and two (2) non-transient non-community systems.
- There were no monitoring violations for chemicals covered under Phases I, II, IIB, & V. The Arkansas Department of Health performs monitoring of these chemicals on behalf of the public water systems.

- The compliance rate for the contaminants and rules not shown on the violation tables was 100%.
- Using a time and population weighted determination of risk, based on exposure to water that either failed to meet the drinking water standards or which was of unknown quality, Arkansas community water systems achieved the following compliance rates:

	Monitoring	Quality	Overall
Compliance Percentage	99.9%	97.1%	97.0%
Person months exposure	16703	1002410	1019113
Person months possible	34042775	34042775	34042775

In this calculation, a system serving 100 persons that has one violation lasting one month produces a risk of 100 person months. The total risk possible for this system is 1200 person months (100 persons served multiplied by 12 months). In this example, the compliance rate would be $91.6\% = (1200 - 100) / 1200$.

DEVIATION FROM FEDERAL DATABASE

The following discrepancies have been identified between the Federal database (**violation reports for calendar year 2018**) on which the national Annual Compliance Report will be based (Frozen) and the Arkansas state drinking water program database, SDWIS/STATE.

There are no deviations between the Federal Frozen Database and Arkansas's SDWIS/STATE database for the 2018 calendar year reported violations which include.

Revised Total Coliform Rule: (Violation code 1A – *E. Coli* MCL)

Revised Total Coliform Rule: (Violation code 2A – Level1 assessment failure or inadequate)

Revised Total Coliform Rule: (Violation code 2B – Level2 assessment failure or inadequate)

Revised Total Coliform Rule: (Violation code 2C - Fail to take corrective action)

Revised Total Coliform Rule: (Violation code 2D - Fail to complete seasonal system start up procedures)

Revised Total Coliform Rule: (Violation code 3A - Fail to collect routine samples)

Revised Total Coliform Rule: (Violation code 3B - Fail to collect additional samples)

Revised Total Coliform Rule: (Violation code 3C – Fail to collect required extra samples/Turbidity)

Revised Total Coliform Rule: (Violation code 3D - Fail to use approved laboratory)

Revised Total Coliform Rule: (Violation code 4D - Fail to notify state within 24 of *E.Coli* positive sample)

Revised Total Coliform Rule: (Violation code 4E - Fail to provide state that an *E.Coli* MCL violation occurred)

Revised Total Coliform Rule: (Violation code 5A - Fail to submit a sample site plan)

Total Coliform Rule: (Violation Code 21 – Acute MCL Violation)

Total Coliform Rule: (Violation Code 22 – Non-Acute MCL Violation)

Total Coliform Rule: (Violation Code 23 – Major routine monitoring)

Total Coliform Rule: (Violation Code 24 - Monitoring (TCR) Routine Minor)

Total Coliform Rule: (Violation Code 25 – Major follow up monitoring)

Total Coliform Rule: (Violation Code 26 – Monitoring (TCR), Repeat Minor)

Disinfectant / Disinfection By Products: MCL, Treatment Technique, and Significant Monitoring/Reporting Violations.

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 36 – Filter Monitoring)

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 38 – Monitoring Turbidity)

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 41 – Treatment Techniques)

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 42 – Failure to filter)

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 43 – Treatment tech >Turbidity 1 NTU)

Surface Water Treatment (SWTR / IESWTR/GWR): (Violation Code 44 – Treatment >Turbidity 3 NTU)

Lead and Copper Rule: Violation codes 51, 52, 66, 58, 65

Radionuclide Rule: MCL violation

Consumer Confidence Reports: violations codes 71, 72

Public Notice Rule (PN): (Violation Code 75 – PN Violation for NPDWR violation)

VIOLATIONS TABLES: CHEMICAL CONTAMINANTS

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations	Number of Systems with Violations	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Inorganic Contaminants								
Fluoride	1025	4.0	2/0/0/2	2/0/0/2				
Arsenic	1005	10.0	0/0/0/0	0/0/0/0				
Cyanide	1024		7/4/0/3	2/1/0/1				
Organic Contaminants			0/0/0/0	0/0/0/0				
Subtotal			9/4/0/5	4/1/0/3				

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Disinfectants / Disinfection By-Products								
Stage 1 DBPR	0400				100/100/0/0	30/30/0/0		
Stage 1 DBPR	0999						7/7/0/0	5/5/0/0
Long Term 2 Enhanced Surface water treatment rule	0999						2/0/2/0	2/0/2/0
Chlorite	1009	1.0	0/0/0/0	0/0/0/0			0/0/0/0	0/0/0/0
Total Haloacetic Acids (HAA5)	2456	0.060	15/15/0/0	9/9/0/0				
Total Organic Carbon	2920				2/2/0/0	1/1/0/0		
Total Trhhalomethanes (TTHM)	2950	0.08	98/98/0/0	32/32/0/0				
Subtotal			113/113/0/0	41/41/0/0	102/102/0/0	31/31/0/0	9/7/2/0	7/5/2/0

T/C/N/P – Total /Community PWS / Transient Non-Community PWS / Non-Transient Non-Community PWS

VIOLATIONS TABLES: TOTAL COLIFORM RULE (TCR) / REVISED TOTAL COLIFORM RULE (RTCR)

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems in Violation T/C/N/P	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
TCR / RTCR								
Acute MCL violation TCR	21	Presence	0/0/0/0	0/0/0/0				
RTCR MCL violations	1A	Presence	3/3/0/0	3/3/0/0				
Non-Acute MCL violation TCR	22		0/0/0/0	0/0/0/0				
RTCR Treatment Technique	2A				1/1/0/0	1/1/0/0		
RTCR Treatment Technique	2B				0/0/0/0	0/0/0/0		
RTCR Treatment Technique	2C				0/0/0/0	0/0/0/0		
RTCR Treatment Technique	2D				13/1/12/0	12/1/11/0		
RTCR monitoring major	3A						187/39/147/1	147/28/118/1
RTCR monitoring minor	3A						49/46/2/1	42/39/2/1
RTCR monitoring major	3B						0/0/0/0	0/0/0/0
RTCR monitoring minor	3B						1/1/0/0	1/1/0/0
RTCR monitoring	3C						0/0/0/0	0/0/0/0
RTCR monitoring	3D						0/0/0/0	0/0/0/0
RTCR reporting	4D						0/0/0/0	0/0/0/0
RTCR reporting	4E						0/0/0/0	0/0/0/0
RTCR reporting	4F						0/0/0/0	0/0/0/0
RTCR other	5A						17/15/1/1	14/12/1/1
RTCR other	5B						0/0/0/0	0/0/0/0
Major routine monitoring TCR	23						0/0/0/0	0/0/0/0
Major routine monitoring TCR	24						0/0/0/0	0/0/0/0
Major follow up monitoring TCR	25						0/0/0/0	0/0/0/0
Monitoring(TCR), Repeat Minor	26						0/0/0/0	0/0/0/0
Subtotal			3/3/0/0	3/1/2/0	14/2/12/0	13/2/11/0	254/101/150/3	199/76/120/3

VIOLATIONS TABLES: SURFACE WATER TREATMENT RULE(SWTR) / GROUND WATER RULE / INTERIM ENHANCED(SWTR)

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations	Number of Systems with Violations	Number of Violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Surface Water Treatment Rule								
<u>Filtered Systems</u>								
Monitoring, routine/repeat	36						12/5/7/0	8/5/3/0
Monitoring, routine/filter turbidity	38						6/1/5/0	3/1/2/0
Treatment techniques	41				8/6/0/2	4/3/0/1		
Failure to filter	42				0/0/0/0	0/0/0/0		
Treatment Tech > Turb 1 NTU	43				1/1/0/0	1/1/0/0		
Treatment Tech > Turb 3 NTU	44				0/0/0/0	0/0/0/0		
Subtotal					9/7/0/2	5/4/0/1	18/6/12/0	11/6/5/0

T/C/N/P – Total /Community PWS / Transient Non-Community PWS / Non-Transient Non-Community PWS

VIOLATIONS TABLES: LEAD & COPPER RULE

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Lead and Copper Rule								
Initial lead and copper tap M/R	51						1/1/0/0	1/1/0/0
Follow-up or routine lead and copper tap M/R	52						5/5/0/0	5/5/0/0
Failure to Conduct Consumer Notice	66						37/35/0/2	35/33/0/2
Treatment Installation	58				1/1/0/0	1/1/0/0		
Public education	65				1/1/0/0	1/1/0/0		
Subtotal					2/2/0/0	2/2/0/0	43/41/0/2	41/39/0/2

CONSUMER NOTIFICATION: CONSUMER CONFIDENCE REPORTS / PUBLIC NOTIFICATION

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations	Number of Systems with Violations	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Consumer Confidence Report	71						99/99/0/0	99/99/0/0
Consumer Confidence Report	72						13/13/0/0	13/13/0/0
Public Notification	75						343/154/176/13	160/53/105/2
Subtotal							455/266/176/13	272/165/105/2

T/C/N/P – Total /Community PWS / Transient Non-Community PWS / Non-Transient Non-Community PWS

VIOLATIONS TABLES: RADIONUCLIDES

	SDWIS Codes	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
			Number of violations T/C/N/P	Number of Systems with Violations T/C/N/P	Number of Violations	Number of Systems with Violations	Number of Violations T/C/N/P	Number of Systems With Violations T/C/N/P
Radionuclide MCLs								
Gross alpha	4000	15 Pci/l	0/0/0/0	0/0/0/0			0/0/0/0	0/0/0/0
Radium-226 and Radium-228	4010	5 pCi/l	1/1/0/0	1/1/0/0			0/0/0/0	0/0/0/0
Gross beta	4100	4 mrem/yr	0/0/0/0	0/0/0/0			0/0/0/0	0/0/0/0
Subtotal			1/1/0/0	1/1/0/0			0/0/0/0	0/0/0/0

T/C/N/P – Total /Community PWS / Transient Non-Community PWS / Non-Transient Non-Community PWS

DEFINITIONS FOR THE VIOLATIONS TABLES

Public Water System: A Public Water System (PWS) is defined as a system that provides water via piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year. There are three types of PWSs. PWSs can be community (such as towns), non-transient non-community (such as schools or factories), or transient non-community systems (such as rest stops or parks). In this report, when the acronym “PWS”, is used, it means systems of all types unless otherwise specified.

Consumer Notification: Every community water system is required to deliver to its customers a brief annual water quality report (CCR). This report is to include some educational material, and will provide information on the source water, the levels of any detected co **Definitions for the Violations Tables**

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Consumer Notification: Every community water system is required to deliver to its customers a brief annual water quality report (CCR). This report is to include some educational material, and will provide information on the source water, the levels of any detected contaminants, and compliance with drinking water regulations.

Filtered Systems: Water systems that have installed filtration treatment [40 CFR 141, Subpart H].

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. EPA has established MCLs for 15 inorganic contaminants [40 CFR 141.62].

Lead and Copper Rule: This rule established national limits on lead and copper in drinking water [40 CFR 141.80-91]. Lead and copper corrosion pose various health risks when ingested at certain levels, and can enter drinking water from household pipes and plumbing fixtures. States report violations of the Lead and Copper Rule in the following six categories:

Initial lead and copper tap M/R: SDWIS Violations Code 51 indicates that a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.

Follow-up or routine lead and copper tap M/R: SDWIS Violations code 52 indicates that a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.

Treatment installation: SDWIS Violation Code 58 indicates a failure to install optimal corrosion control treatment system or source water treatment system which would reduce lead and copper levels in water at the tap.

Public Education: SDWIS Violation Code 65 shows that a system did not provide required public education about reducing or avoiding lead intake from water.

Filtered Systems: Water systems that have installed filtration treatment [40 CFR 141, Subpart H].

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. EPA has established MCLs for 15 inorganic contaminants [40 CFR 141.62].

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Initial lead and copper tap M/R: SDWIS Violations Code 51 indicates that a system did not meet initial lead and copper testing requirements, or failed to report the results of those tests to the State.

Follow-up or routine lead and copper tap M/R: SDWIS Violations code 52 indicates that a system did not meet follow-up or routine lead and copper tap testing requirements, or failed to report the results.

Treatment installation: SDWIS Violation Code 58 indicates a failure to install optimal corrosion control treatment system or source water treatment system which would reduce lead and copper levels in water at the tap.

Public Education: SDWIS Violation Code 65 shows that a system did not provide required public education about reducing or avoiding lead intake from water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant that EPA allows in drinking water. MCLs ensure that drinking water does not pose either a short-term or long-term health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: EPA 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 EPA's schedule or methodology is in violation [40 CFR 141].

States must report monitoring violations that are significant as determined by the EPA Administrator and in consultation with the States. 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.

A major monitoring violation for the surface water treatment rule occurs when at least 10% of the required samples are not taken or results are not reported during the compliance period.

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. EPA has set legal limits on 54 organic contaminants that are to be reported [40 CFR 141.61].

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

Radionuclides: Radioactive particles, which can occur naturally in water or result from human activity. EPA has set legal limits on five types of radionuclides: radium-226, radium 228, gross alpha, and beta particle/photon radioactivity, and uranium [40 CFR 141]. Violations for these contaminants are to be reported using the following three categories:

Gross alpha: SDWIS Contaminant Code 4000 for alpha radiation above MCL of 15 picocuries/liter. Gross alpha includes radium-226 but excludes radon and uranium.

Combined radium-226 and radium-228: SDWIS Contaminant Code 4010 for combined radiation from these two isotopes above MCL of 5 pCi/L.

Gross beta: SDWIS Contaminant Code 4101 for the combination of beta particles and photon radioactivity resulting from man-made radionuclides above 4 millirem/year.

Uranium: SDWIS Contaminant Code 4006 for combined uranium above the MCL of 30 micrograms/liter.

Reporting Interval: The reporting interval for violations reported in the, 2018 PWS Annual Compliance Report, is January 1, 2018 through December 31, 2018.

SDWIS Code: Specific numeric codes from the Safe Drinking Water Information System (SDWIS) have been assigned to each violation type included in this report. The violations to be reported include exceeding contaminant MCLs, failure to comply with treatment requirements, and failure to meet monitoring and reporting requirements. Four-digit SDWIS Contaminant Codes have also been included in the chart for specific MCL contaminants.

Surface Water Treatment Rule / Ground Water Rule: The Surface Water Treatment Rule [40 CFR 141, Subpart H] and the Ground Water Rule [40 CFR 141, Subpart S] establishes criteria under which water systems supplied by surface water sources, or ground water sources under the direct influence of surface water, must filter and disinfect their water. Violations under both rules are to be reported for the following four categories:

Monitoring, routine/repeat (for filtered systems): SDWIS Violation Code 36 indicates a system's failure to carry out required tests, or to report the results of those tests.

Treatment techniques (for filtered systems): SDWIS Violations 41, 42, and 43 show a system's failure to properly treat its water.

Monitoring, routine/repeat (for unfiltered systems): SDWIS Violation Code 31 indicates a system's failure to carry out required water tests, or to report the results of those tests.

Failure to filter (for unfiltered systems): SDWIS Violation Code 42 shows a system's failure to properly treat its water.

Total Coliform Rule (TCR): The Total Coliform Rule establishes regulations for microbiological contaminants in drinking water. These contaminants can cause short-term health problems. If no samples are collected during the one-month compliance period, a significant monitoring violation occurs. States are to report four categories of violations:

Acute MCL violation: SDWIS Violation Code 21 indicates that the system found fecal coliform or E. coli, potentially harmful bacteria, in its water, thereby violating the rule.

Non-acute MCL violation: SDWIS Violation code 22 indicates that 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% of the samples positive for total coliform is a violation.

Major routine and follow-up monitoring: SDWIS Violation Codes 23 and 25 indicate a system did not perform any monitoring. [One number is to be reported for the sum of violations in these two categories.]

Sanitary Survey: SDWIS Violation Code 28 indicates a major monitoring violation if a system fails to collect 5 routine monthly samples if a sanitary survey is not performed.

REVISED TOTAL COLIFORM RULE (RTCR): The Revised Total Coliform Rule adds or changes the requirements for the regulations for microbiological contaminants in drinking water established in the Total Coliform Rule. The RTCR rule establishes 16 new violation codes for four categories. (1.) Maximum Contaminant Level (MCL), (2.) Treatment Technique (TT), (3.) Monitoring (MON), (4.) Reporting (RPT).

RTCR MCL Violation: Violation code 1A is for an *E.coli* MCL.

RTCR Treatment Technique Violations: Violation codes: 2A failure to perform a Level 1 assessment, 2B failure to perform a Level 2 assessment, 2C failure to take corrective action, 2D failure to perform proper start up procedures.

RTCR Monitoring Violations: Violation codes: 3A is a routine monitoring violation, 3B failure to collect additional routine samples required after a positive total coliform sample, 3C failure to collect additional samples triggered by turbidity, 3D lab and/or analytical method errors.

RTCR Reporting Violations: 4A Assessment forms reporting, 4B Sample results reporting, 4C Certification form (for start up procedures), 4D *E.coli* positive notification reporting, 4E *E.coli* MCL reporting, 4F Assessments, Assessment forms, corrective/expedited actions reporting.

RTCR Other: 5A Errors with sample siting plan, 5B RTCR recordkeeping violations.

Treatment Techniques: A water treatment process that EPA requires instead of an 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.

Unfiltered Systems: Water systems that do not need to filter their water before disinfecting it because the source is very clean [40 CFR, Subpart H].

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

VARIANCES AND EXEMPTIONS

Variations and exemptions to specific requirements under the Safe Drinking Water Act Amendments of 1996 may be granted under certain circumstances. If, due to the characteristics of the raw water sources reasonably available, a PWS cannot meet the MCL, a primacy State can grant the PWS a variance from the applicable primary drinking water regulation on the condition that the system, install the best available technology, treatment techniques, or other means which the Administrator finds are available (taking costs into account). The state must find that the variance will not result in an unreasonable risk to health, and shall prescribe, at the time the variance is granted, a schedule (including increments of progress) in accordance with which the PWS must come into compliance with the MCL. Small systems (serving 3,300 or fewer persons; or 10,000 or fewer persons with the Administrator's approval) may be granted variances if they cannot afford (as determined by application of the Administrator's affordability criteria) to comply with certain MCLs (non-microbial, promulgated after January 1, 1986) by means of treatment, alternative source of water, or restructuring or consolidation. Small systems must, within 3 years, install and operate EPA approved small system variance technology. The variance must ensure adequate protection of human health, and the variance shall be reviewed not less than every 5 years to determine whether the system remains eligible for the variance. A primacy State may by exemption relieve a PWS of its obligation to comply with an MCL, treatment technique, or both if the system's noncompliance results from compelling factors (which may include economic factors, the system was in operation on the effective date of the MCL or treatment technique requirement) or if not in operation by that date, only if no reasonable alternative source of drinking water is available to such new systems, management or restructuring changes cannot reasonably be made that will result in compliance with the SDWA or improvement of water quality, and the exemption will not result in an unreasonable risk to public health. The State will require the PWS to comply with the MCL or treatment technique as expeditiously as practicable, but not later than 3 years after the otherwise applicable compliance date. No variances or exemptions were issued to any public water system in Arkansas during the calendar year 2018.

ENFORCEMENT DEFINITIONS

The Arkansas Department of Health has developed a multi stage enforcement escalation scheme which pairs technical assistance with multiple opportunities to return to compliance. The ADHHS utilizes methods such as sanitary surveys and operator assistance to prevent water quality problems from occurring. Enforcement is with the attitude of protecting the public health with any and all tools available to achieve compliance.

Phase 1: A very informal means of enforcement. With every Safe Drinking Water Act (SDWA) violation, a Notice of violation is issued explaining what the system failed to do, in anticipation of correcting the problem. If necessary, a site visit may be required to assist the water system into achieving compliance.

Phase 2: When an Acute violation or several other violations occur and meet our escalation policy we issue a State Formal Notification of Violation (SFJ). This is our 1st formal enforcement action & last chance for voluntary compliance. This letter formally warns the operator that if an additional violation occurs an Administrative Order will be issued to correct the deficiencies.

Phase 3: If the system has an additional violation within the 12 months following the SFJ, an Administrative Order Issued (SFL) is issued, requiring the system to correct all deficiencies and comply fully with the SDWA.

Phase 4: If the SFL is not complied with a Proposed Penalties Issued (SFN) is calculated based on the population, severity, correct ability and frequency of the violations. It is then issued to the system and a hearing date is scheduled for a Subcommittee of the Arkansas State Board of Health.

Phase 5: Once the proposed penalty is issued the water system operator can either go to the hearing before the subcommittee of the Board of Health, Penalties Assessed – Board of Health (SFM) or Penalties Suspended – Board of Health (SFO).

SUMMARY OF FORMAL ENFORCEMENT ACTIONS

Following is a summary of the enforcement actions taken in 2018.

Community Public Water Systems

State Formal Notification of Violation (SFJ).....	54
Administrative Orders Issued (SFL).....	56
Proposed Penalties Issued (SFN).....	0
Penalties Suspended – Board of Health (SFO).....	0
Penalties Assessed – Bilateral Compliance Agreements (SFK).....	33
Penalties Assessed – Board of Health (SFM).....	33
Total Enforcement Actions for CWSs.....	176

Non-Transient Non-Community Systems

State Formal Notification of Violation (SFJ).....	0
Administrative Orders Issued (SFL).....	1
Proposed Penalties Issued (SFN).....	0
Penalties Suspended – Board of Health (SFO).....	0
Penalties Assessed – Bilateral Compliance Agreements (SFK).....	2
Penalties Assessed – Board of Health (SFM).....	2
Total Enforcement Actions for NTNC.....	5

Transient Non-Community Systems

State Formal Notification of Violation (SFJ).....	12
Administrative Orders Issued (SFL).....	6
Proposed Penalties Issued (SFN).....	0
Penalties Suspended – Board of Health (SFO).....	0
Penalties Assessed – Bilateral Compliance Agreements (SFK).....	3
Penalties Assessed – Board of Health (SFM).....	5
Total Enforcement Actions for Transient NC.....	26

COMPLIANCE ASSISTANCE EFFORTS

Capacity Development Program

Under the Capacity Development Program, the Engineering Section has established two contracts with third party technical assistance providers for small systems (<10,000 population) technical assistance. The main purpose of the contracts is to help small public water systems develop the ability to achieve and maintain compliance with applicable national primary and secondary drinking water regulations. Helping the water systems attain a state of self-sufficiency is the primary goal.

The Engineering Section continued its utilization of technical assistance contracts as part of our Capacity Development Program in 2018. Arkansas Rural Water Association was awarded the Technical and Operational contract to assist small public water systems achieve TMF capacity, while Communities Unlimited and ARWA were awarded the Financial and Managerial contract at different points in the year with the same goal. The Section's goal was to provide more of a "hands on" approach with the Engineering Section's staff performing the assessments and the contractor performing system specific types of assistance and training. As part of our efforts, in 2018, Arkansas Rural Water Association assisted in 956 hours of technical assistance in the Technical and Operational contract and 1314.25 hours of technical assistance in the Financial and Managerial contract. Communities Unlimited provided 336.75 hours of technical assistance in the Financial and Managerial contract. Some examples of direct assistance hours provided by the Contractors include rate studies, asset management plans, budgets, emergency response plans, on-site peer to peer training, new operator assistance with sampling plans and operations reports, leak detection and repairs, valve maintenance training, and assistance with water treatment problems.

Area Wide Optimization Program

The Arkansas Department of Health has been participating in the EPA Region 6 Area Wide Optimization Program (AWOP) with the States of New Mexico, Oklahoma, Louisiana, Texas, Missouri, Kansas and Iowa, EPA Region 6 staff, EPA Region 7 staff and EPA Technical Support Center Staff. During Calendar year 2018, staff members attended the AWOP quarterly meetings and shared information and program implementation with other states. Turbidity data from monthly operation reports was entered into an Access database for performance tracking and to determine prioritization of efforts. However, due to lack of staffing only January through April 2018 data was entered.

Sanitary Surveys

Sanitary Surveys conducted by technical staff can consist of reporting deficiencies in the construction or design of a public water system or the operation of the public water system. Sanitary Surveys combined with monitoring and reporting, to complement each other, can be indispensable for assuring the long-term quality and safety of drinking water. In calendar year 2018, there were approximately three hundred thirty two (332) sanitary surveys performed. Two hundred thirty four (234) Sanitary Surveys were performed on the state's community water systems, ninety one (91) Sanitary Surveys were performed on transient non-community water systems, seven (7) on non-transient non-community water systems. During the sanitary surveys of community and non-transient non-community water systems, owners are notified of "significant deficiencies". A list of significant deficiencies was developed by ADH staff in compliance with the sanitary survey requirements of the Enhanced Surface Water Treatment Rule and Ground Water Rule. Significant deficiencies are obvious shortcomings that could directly affect water quality and require immediate attention by the owner. Under the ADH protocol developed, owners are notified verbally of the deficiency during the survey and again notified by certified letter following the survey. Surface water systems are given 45 days following the written notification to respond with a plan of action and a timetable to address the significant deficiency. Groundwater systems are given 30 days following written notification to confer with the State and 120 days to be in compliance with an approved corrective action plan.

Industry Education

The Engineering Section has continued its efforts in educating and informing members of the water industry as well as the general public with its web site and its quarterly newsletter. From the website, water operators can obtain information about various Section programs; download copies of state regulations, policies, compliance documents and operations reports; determine the result of microbiological analyses, the status of the review of construction plans; and obtain information or guidance about numerous other areas of the drinking water program

The Section's quarterly newsletter, Arkansas Drinking Water Update, has a distribution of approximately 3650 and a copy is mailed to every water system or licensed water operator as well as all city mayors within the state. Each issue of the newsletter contains information of relevance to the water industry including articles on proposed and final state and federal regulations as well as guidance for implementing the regulations, capacity development, source water protection, water system security, cross connection control, operator training, water licensing, water treatment, area wide optimization, noncompliant systems, fluoridation, and other areas.

Additionally, the Engineering Section has participated in past years and continued in calendar year 2018 in sponsoring technical tracks at the annual conferences for both the Arkansas Water Works and Water Environment Association and the Arkansas Rural Water Association. At the AWW&WEA conference, the Engineering Section sponsored one technical track with a total of 12 separate sessions on issues including regulations and regulatory compliance, treatment and distribution technical matters, and treatability studies. Also, the ADH 8 hour Public Water System Compliance Course was offered. At the ARWA conference, the Engineering section sponsored one technical track with a total 8 separate sessions on similar topics.

Source Water Assessment Program (SWAP)

The Source Water Assessment Program (SWAP), required by the Safe Drinking Water Act Amendments of 1996, was developed by the Department of Health and was submitted to and approved by the U.S. Environmental Protection Agency during calendar year 1999. In 2003, SWAP reports were produced for each public water system to serve as a management tool for implementing source protection activities. Initially, the SWAP Model located all sources of drinking water utilized by public water systems, delineated “assessment areas” around each source, and mapped potential contaminants within the delineated areas for approximately 1500 drinking water sources in Arkansas. ADH issued 61 of the improved SWAP reports for with surface only systems in 2018. Substantial implementation status at the close of 2018 is detailed in the following table:

State	# CWS w/ Sub Imp	% CWS w Sub Imp	# of People served by CWS w/ Sub Imp	# of People served by all CWS	% of population served by all CWS	% of population served by CWS under Sub Imp
Arkansas	422	61.3	2,012,742	2,837,459	94.2	70.9

The source water assessment program was fully staffed in 2018 for 6 months and consists of a geology supervisor, a professional geologist, a WHPP EHS, and a GIS EHS for 12 months, and an ADH EH Supervisor/GIS Analyst for six months. Geologists spent much time improving and revising all aquifer, well construction, and geologic information groundwater sources for the new SWAP. GIS analysts their specialists compiled source water assessment and protection plan information for surface systems. The hiring, orientation, training and direct supervision of the new staff was also a priority during the review period. . SWAP staff completed a total of three (3) Phase I Delineation Wellhead Protection (WHP) reports covering nine (9) wells and Five (5) Phase II Potential Sources of Contamination (PSOC) Inventory WHP reports covering (9) wells were completed. An additional fifteen (15) PSOC Maps were created for eleven (11) sources. ADH also constructed PSOC maps for Arkansas Rural Water Association four (4) source water protection plans covering surface water sources with seventy nine (79) PSOC maps. ARWA issued 3 Source Water Protection Plans including Phase 2 Reports with extensive support from ADH during the review period. An additional 200 maps were prepared for ARWA use.

Collaboration with other stakeholders is instrumental to effective source water protection. SWAP staff played key roles in 2018 in the Harmful Algal Blooms stakeholders group, Arkansas Forestry and Drinking Water Collaboration, ADEQ Water Quality Assessment Methodology state agency and stakeholders groups, State Agency GIS Agency Coordination work group, SWAP staff provided nineteen (19) source water protection presentations, wrote five (5) newsletter articles, and managed twenty two (22) information booths on source water protection on thirty four (34) occasions, participated with other agencies regarding source protection 186 times, disseminated new source water assessment reports (61 for surface sources/PWS) or technical assistance to public water suppliers (188), performed seven (7) public water supply well recommendations, reviewed drill cuttings for eleven (11) new wells, and conducted 744 miscellaneous environmental permit reviews, including 7 AOGC Form 36 UIC evaluations and 1 additional UIC comment letter. Additional activities conducted (233 total logged) included screening and responding to requestors for SWAP GIS data, providing information on hydrogeology and associated technical support for PWS, adoption of drinking water protection ordinances to local governments, performing proximity analyses, and reviewing and commenting on a variety of construction and environmental projects that have the potential to impact public water supply sources in the state. SWPP staff continued to maintain and improve the existing source water assessment GIS database in 2018. SWAP reports for all 61 surface systems were processed and distributed by completion of 2018.

Cross-Connection Control Program

Long term approximately ninety (90) percent of the community water systems surveyed have at least a partial Cross Connection Control Program (CCCP) and approximately 1/3 of the community water systems have a 100% complete CCCP. Each year some systems let their cross-connection control program lapse because of operator turnover or from general lack of effort.

During 2018, the CCCP engineer made twenty one (22) CCCP surveys at water utilities. Of these utilities, seven (7) systems had a CCCP with deficiencies of available documentation and/or implementation, and eighteen (15) systems have a 100% complete program. Five (5) visits were made to waterworks district meetings and conferences to provide CCCP presentations and training. The CCCP engineer is active in the American Backflow Prevention Association and the Backflow Prevention Association of Arkansas of which he is a member of the board of directors. He attended all four board meetings and taught four (4) classes. He also serves on the Arkansas Environmental Training Academy advisory board to the chancellor of Southern Arkansas University. In addition to providing technical support to district engineering staff, the CCCP completed three hundred and twenty one (321) review/comment/approve assignments for engineering submittals for commercial fire protection systems in Arkansas.

Comprehensive Performance Evaluations

A CPE is an evaluation of a surface water plant to determine whether the drinking water facility is operating at its optimum capacity and is maintaining compliance with applicable drinking water regulations. The CPE is a systematic procedure that identifies the unique combination of factors, in the areas of design, operation, maintenance and administration that would limit the performance of the water system. It was developed to improve performance by using existing facilities thereby minimizing construction alternatives. The CPE is focused on improving performance of surface water systems by optimizing the use of existing facilities, and, if possible, avoiding construction of new facilities. The ADH has established a goal of conducting two (2) or three (3) CPE's per calendar year. In calendar year 2018, three (3) CPE's were conducted. A CPE was conducted at Magnolia and a Multi-State CPE was conducted at Benton Washington Regional Public Water and concurrently a distribution system CPE was conducted at the Centerton water system with approximately twenty nine (29) EPA Region 6 AWOP State and EPA staff participating in the concurrent CPE's. The CPE specialist was assigned multiply sanitary surveys to conduct due to a lack of district staff. The CPE engineer was assigned multiple sanitary surveys to conduct and multiple sets of plans to review due to a lack of district staff. The CPE program engineer supervisor worked on sanitary surveys, plan review, and supervision of two districts due to a vacancy in the district supervisor position.

A Data Audit was conducted at the Mulberry water system. A follow up data audit limited to turbidity data was conducted at the Pangburn water system. Issues were found at both systems and were followed up on.

Microbial / Disinfection Byproduct Rules Programs

The Arkansas Department of Health (ADH) has been providing implementation activities for the LT2ESWTR, Stage 2 DBPR, and GWR. Compliance assistance efforts in these areas during the 2018 calendar year include the following:

Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR): As part of the early implementation strategies for large and small systems, the first round of source water monitoring for *Cryptosporidium* and *E. coli* in Arkansas's public water systems began in January 2007. (All Schedule 1 ($\geq 100,000$ people served) systems in Arkansas at that time submitted grandfathered data, so Schedule 2 (99,999 to 50,000 people) monitoring had to commence by April 1, 2007.)

Source water *Cryptosporidium* monitoring data has been and will continue to be used to categorize each source into one of four "Bin" classifications based on the source's average observed pathogen concentration. The second round of monitoring will continue into at least the year 2020. *Cryptosporidium* analyses continue to be outsourced to IEH-BioVir Laboratories. Any new small system source water *E. coli* analyses will be completed in-house by the Arkansas Public Health Laboratory.

When Round 1 was completed, seven (7) Arkansas surface water sources were determined to be in Bin 2. Each system (4 large and 3 small) using a Bin 2 source chose to obtain an additional 1.0-log of *Cryptosporidium* removal credit by documenting treatment performance in its combined and individual filter effluents.

The turbidity measurements reported on each system's monthly operating report are reviewed in the following month to determine if the minimum allowable treatment performance was achieved. In January 2018, a public water system using a Bin 2 source failed to demonstrate that it met the minimum treatment performance requirements to obtain the additional 1.0-log removal credit. To date, two LT2-specific violations have been levied by Arkansas since treatment monitoring began in 2012 (i.e., one in November 2014 and one in January 2018).

Surface water systems had to begin a second round of source water monitoring for *Cryptosporidium* and *E. coli* by April 2015. Arkansas initiated this second round early (in July 2014) and split its large systems (serving 10,000 or more people) into two groups. The first group finished all required *Cryptosporidium* and *E. coli* monitoring in 2016, and the second group finished in June 2018. No additional Bin 2 sources were found in Arkansas's large water systems during Round 2 thus far.

Two large surface water systems were built and began operation after Round 1 was completed, and these two completed Round 1 when the others completed Round 2. The source waters for these two systems were classified as Bin 1 sources on September 15, 2016. A second round of *Cryptosporidium* and *E. coli* monitoring must begin "no later than 6 years following initial bin classification."

Sixty-four (64) small public water systems (serving less than 10,000 people) using 75 source water intakes began Round 2 monitoring for *E. coli* in January 2015. All of these completed *E. coli* sampling by the end of 2017. Eighteen (18) of these small systems with twenty-one (21) sources triggered *Cryptosporidium* sampling which began in July 2018. Two other systems also began *Cryptosporidium* monitoring in July 2018, but these two are at the beginning of Round 1. One is a new intake at an existing small system, and the second is a proposed new source for an existing large system.

Stage 2 Disinfectants and Disinfection Byproducts Rule (DBPR): As part of the continued implementation strategies, TTHM and HAA5 monitoring plans were updated and approved as needed for all community and non-transient non-community water systems. During calendar year 2018, four (4) water systems with results exceeding 80 ppb for TTHM and/or 60 ppb HAA5 were placed on increased monitoring. To gather more representative DBP data, thirty-three (33) new Stage 2 TTHM/HAA5 monitoring locations were also established by, or with assistance from, Engineering staff.

All Capital Improvement extensions granted under Stage 2 have expired, and all systems are being monitored for compliance. Arkansas continued using the DBP and treatment technique calculation reports and monitoring plans format and continued the operational evaluation level (OEL) report State review policy and tools. In calendar year 2018, a total of one hundred nine (109) OEL exceedance notifications were issued, and eighty-five (85) OEL reports were received.

Ground Water Rule (GWR): During the 2018 calendar year, eighteen (18) ground water systems conducted Compliance Monitoring (i.e., monitoring to determine compliance with 4-log virus treatment). Grading for monitoring and reporting requirements was conducted on a monthly basis for each of these system's sources. No violations were issued for failure to maintain CT or for failure to conduct compliance monitoring. RTCR sampling data was reviewed daily for 590 ground water systems with a total of 833 ground water well sources during the 2018 calendar year. From this subset of systems approximately 245 routine distribution system samples tested total coliform positive and triggered source water monitoring was necessary. A total of four (4) system sources tested *E. coli* positive and required additional raw water *E. coli* monitoring. Three (3) systems had confirmed *E. coli* positive samples as a result of the additional monitoring. No violations were issued for failure to meet State-designated interim measures. A total of 113 groundwater consecutive systems were tracked monthly to ensure that their special GWR compliance criteria, was met.

Technical Assistance & Training

Technical assistance and training provided by the Engineering staff occurs in many different areas and in many different forms. Among the more common areas in which technical assistance and training are generally provided are the following:

- Comprehensive Performance Evaluations and follow-ups.
- Comprehensive Technical Assistance
- Jar tests and jar test calibrations
- Disinfection profiles
- Chlorine control studies
- Filter studies & filter backwash procedure studies
- Process control sampling and evaluations
- Field testing of total trihalomethanes
- Bench scale testing of treatment plant modifications
- Distribution system evaluations and modeling to lessen water age and improve water quality.
- Storage tank evaluations and modeling to lessen water age and improve water quality.
- Tracer studies
- Collection of special samples for inorganic and organic analyses
- Evaluation, testing and recommendations on treatment modifications to improve water quality in areas such
 - as disinfection by-products reduction, coagulants, filters, filter backwash, total organic carbon removal, color removal, disinfectants, oxidants, and iron and manganese removal.
- Evaluation, testing, and recommendations on the employment of alternate water sources due to drought conditions.
- Evaluation, testing and recommendations on the development of new sources of water.
- Training of water operators in basic system operation, and onsite water quality monitoring including turbidity, pH, chlorine and chlorine dioxide.
- Input and recommendations on long range and master planning
- Cross connection control program implementation, surveys and incident investigations.

Among the water systems receiving other technical assistance related to disinfection byproducts in 2018 were Magnolia and Searcy. This technical assistance includes but is not limited to tank studies, THM+ profiling, water age control, monitoring plan updates, chlorine control, total organic carbon treatment technique optimization through jar testing and pilot studies, and water system inspections.

Area Wide Optimization Program related activities, discussed elsewhere in this report, include a Comprehensive Performance Evaluation, Comprehensive Technical Assistance, and quarterly and annual AWOP meetings. Systems involved in AWOP activities in addition to those systems listed under disinfection byproduct technical assistance above: Ozark Mountain Regional, Mulberry, Paris, Gillham Regional, Eudora, and Alma.

Additionally, for the past several summers, the Engineering Section has employed one or more summer interns to check calibration of monitoring equipment, specifically turbidity and chlorine, at water systems throughout the state. During 2018, a summer intern checked the calibration of 152 turbidimeters, 40 pH meters, and 67 chlorine analyzers at 27 surface water treatment plants. Only 76% of the turbidimeters, 65% of the pH Meters, and 91% of the chlorine analyzers were found to be in calibration.

Water Operator Licensing and Training

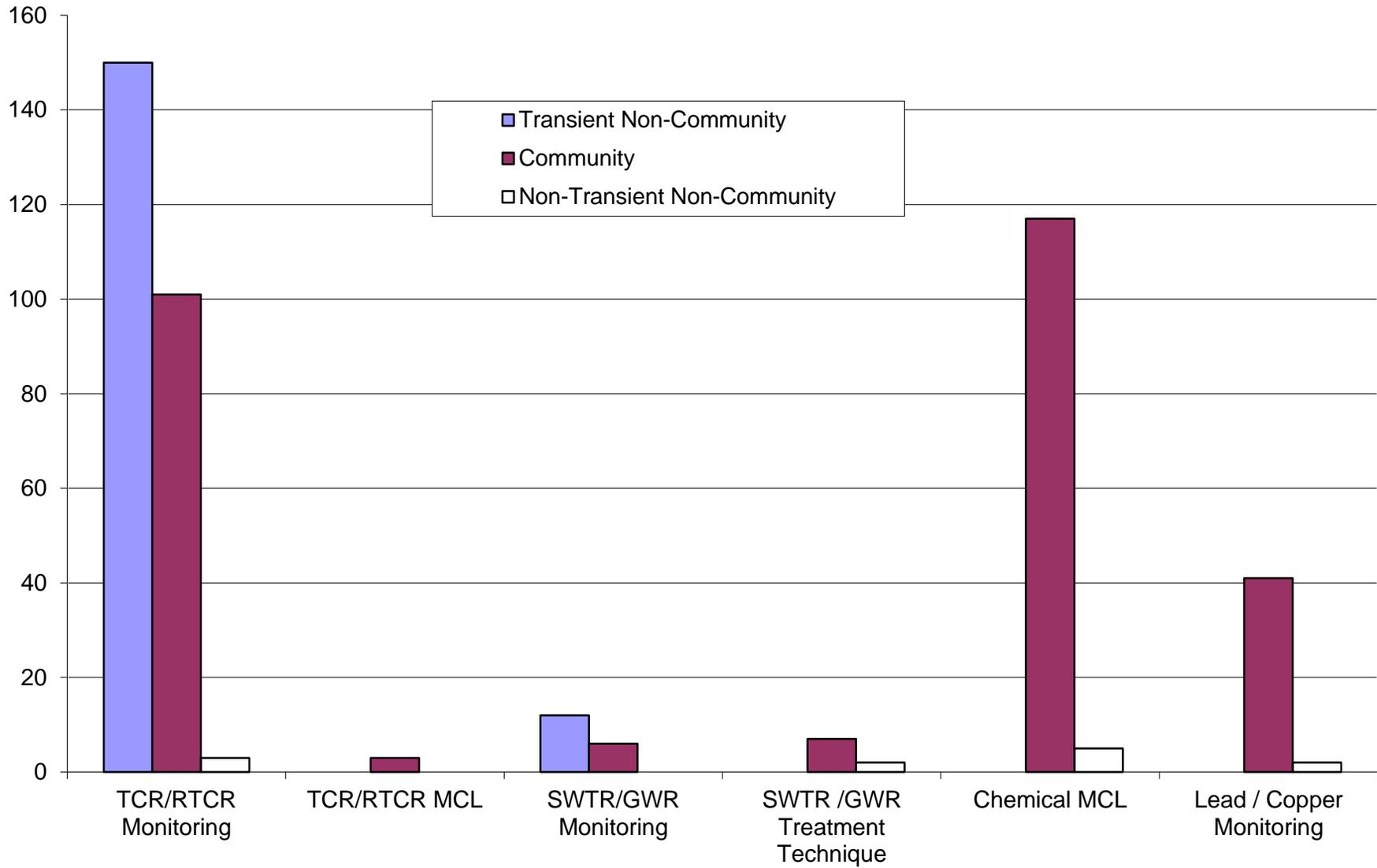
The purpose of licensing and training water operators is to ensure that all public water systems in the State of Arkansas are maintained by personnel who have shown their competence and knowledge of the public health and scientific principles necessary to produce and deliver adequate quantities of water which meets or exceeds the National Primary and Secondary Drinking Water Standards.

In order to sit for a water operator license exam, specific curriculum based courses must be attended. The 9 courses range from 8 to 24 hours in length with total hours ranging from 40 hours required for the lowest license grades and 96 hours for the highest license grades. The approved course providers for the treatment, distribution, and math courses are the Arkansas Environmental Training Academy and the Arkansas Rural Water Association. The Arkansas Environmental Training Academy provided 49 classroom courses in calendar year 2018. In addition, AETA conducted 24 internet based mandatory training courses in calendar year 2018. The Arkansas Rural Water Association provided 23 courses in calendar year 2018. The Engineering Section is the only approved provider of the required public water system regulations and Safe Drinking Water Act compliance course. The Compliance course was provided 16 times in calendar year 2018. A total of 112 mandatory training sessions were offered by the three approved training organizations in calendar year 2018. Courses offered continue to decrease as the impact of lost federal training grants have ceased or decreased available monies for conducting training courses. The reduced number of courses offered have remained relatively stable the last couple of years. The decreased number of courses has resulted in some classes having larger than ideal participant numbers and additional operator travel cost reaching available courses to meet training requirements.

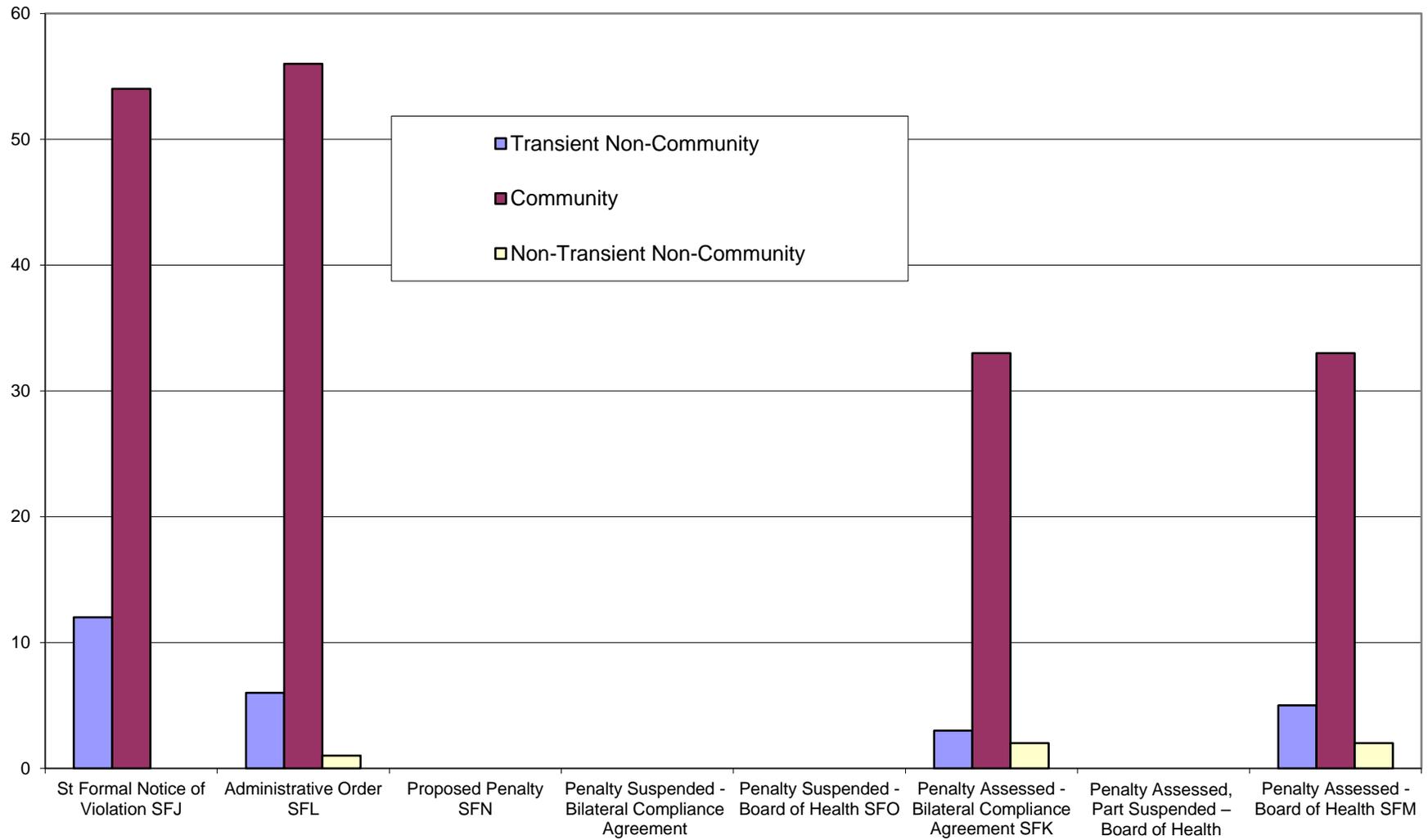
A large number of approved general and specialized training courses are provided to assist licensed operator in meeting their continuing education requirements for license renewal. The courses are offered through conferences, general meetings, and workshops, and are provided by the Arkansas Water Works and Water Environment Association and its local training districts, the Arkansas Rural Water Association; the Arkansas Environmental Academy; the Arkansas Water and Wastewater Managers Association and the Arkansas Department of Health. Various other industry groups and private vendors offer a large array of other relevant training, both site based and internet based to water operators.

In calendar year 2018, approximately 608 water operator license exams were administered, 226 water operator licenses were issued, and 94 Operator-In-Training (OIT) certificates were issued. An OIT is issued to operators who do not meet the experience requirement at the time their license exam was passed. Upon completion of their experience requirement the license is issued. The water licensing program had 2122 active licensed water operators at the end of calendar year 2018. They held 3072 treatment, distribution, and/or very small system licenses.

Violations By Type Of System Graph



Enforcement Actions By Type Of System Graph



APPENDICES

**Appendix A - Microbiological Acute Maximum Contaminant Level Violations
TCR Violation code 21 was replaced by RTCR Violation code 1A**

PWS type: C

PWS ID	System Name	SDWIS Code	Violation Date	Retail population
688	LAWRENCE CO REG WATER DIST	1A	6/1/2018	6998
718	LURTON-PELSOR WATER ASSOC	1A	8/1/2018	289
856	NAIL SWAIN WATER ASSOCIATION	1A	9/1/2018	833

Appendix B - Microbiological Maximum Contaminant Level Violations

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
688	LAWRENCE CO REG WATER DIST	1A	6/1/2018	6998
718	LURTON-PELSOR WATER ASSOC	1A	8/1/2018	289
856	NAIL SWAIN WATER ASSOCIATION	1A	9/1/2018	833

Monday, May 20, 2019

Appendix B

Appendix C - Microbiological Monitoring - No Valid Samples

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
006	ALMYRA WATERWORKS	3A	11/1/2018	348
088	AMITY WATERWORKS	3A	7/1/2018	725
497	BAUXITE WATER	3A	8/1/2018	574
799	BIG CLIFTY WATER	3A	9/1/2018	170
638	BLUE MOUNTAIN WATERWORKS	3A	11/1/2018	357
653	BRANCH WATER WORKS	3A	3/1/2018	480
223	BRECKENRIDGE UNION WATER ASSOC	3A	6/1/2018	1443
223	BRECKENRIDGE UNION WATER ASSOC	3A	10/1/2018	1443
737	BUENA VISTA-OGEMAW WATER	3A	5/1/2018	384
647	CHESTER WATER WORKS	3A	2/1/2018	205
647	CHESTER WATER WORKS	3A	7/1/2018	205
647	CHESTER WATER WORKS	3A	10/1/2018	205
385	CLARENDON WATERWORKS	3A	8/1/2018	1640
290	COAL HILL WATERWORKS	3A	1/1/2018	1300
147	CONCORD WATER & SEWER PFB	3A	6/1/2018	3020
096	CORNING WATERWORKS	3A	8/1/2018	3650
096	CORNING WATERWORKS	3A	11/1/2018	3650
596	COTTON PLANT WATERWORKS	3A	11/1/2018	435
596	COTTON PLANT WATERWORKS	3A	12/1/2018	435
082	DERMOTT WATERWORKS	3A	11/1/2018	2600
143	DYER WATERWORKS	3A	1/1/2018	1010
545	FELSENTHAL WATER AND SEWER	3A	5/1/2018	150
625	FREE HOPE WATER ASSOCIATION	3A	1/1/2018	165
625	FREE HOPE WATER ASSOCIATION	3A	2/1/2018	165
625	FREE HOPE WATER ASSOCIATION	3A	3/1/2018	165
625	FREE HOPE WATER ASSOCIATION	3A	4/1/2018	165
636	FRENCHPORT WATER ASSOCIATION	3A	7/1/2018	1669
692	GARRETT BRIDGE WATER ASSOC	3A	12/1/2018	784
154	GILMORE WATERWORKS	3A	3/1/2018	248
316	GOULD MUNICIPAL WATER-SEWER	3A	12/1/2018	908
T1101	GRASSY KNOB SUBORDINATE SD	3A	4/1/2018	65
505	HACKETT WATERWORKS	3A	5/1/2018	973
506	HARTFORD WATERWORKS	3A	6/1/2018	665
506	HARTFORD WATERWORKS	3A	9/1/2018	665
286	HARTMAN WATERWORKS	3A	3/1/2018	1230
159	HICKORY RIDGE WATERWORKS	3A	9/1/2018	280

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Appendix C - Microbiological Monitoring - No Valid Samples

884	HOSANNA HEIGHTS WATER	3A	5/1/2018	50
344	HUMNOKE WATERWORKS	3A	9/1/2018	290
344	HUMNOKE WATERWORKS	3A	10/1/2018	290
344	HUMNOKE WATERWORKS	3A	11/1/2018	290
344	HUMNOKE WATERWORKS	3A	12/1/2018	290
010	HUMPHREY WATERWORKS	3A	11/1/2018	557
010	HUMPHREY WATERWORKS	3A	12/1/2018	557
553	HUTTIG WATERWORKS	3A	12/1/2018	733
749	HWY 64 WATER ASSOCIATION	3A	10/1/2018	215
373	KEISER WATERWORKS	3A	6/1/2018	750
337	KEO WATER WORKS	3A	12/1/2018	275
500	LESLIE WATER SYSTEM	3A	5/1/2018	740
637	MARVELL RURAL WATER ASSOC	3A	5/1/2018	1725
421	MARVELL WATERWORKS	3A	5/1/2018	1005
589	MC RAE WATERWORKS	3A	3/1/2018	885
331	NORTH CARBON CITY WATER ASSOC	3A	12/1/2018	113
583	NORTH WHITE CO RURAL WATER PFB	3A	5/1/2018	5300
175	NORTHERN OHIO WATER ASSOC	3A	11/1/2018	665
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	1/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	3/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	4/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	5/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	6/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	3A	7/1/2018	383
120	OPPELO WATER DEPARTMENT	3A	9/1/2018	1300
832	OSAGE POINT MHP	3A	6/1/2018	80
598	PATTERSON WATERWORKS	3A	7/1/2018	452
623	PERLA WATER ASSOCIATION	3A	2/1/2018	1900
172	PICKENS WATERWORKS	3A	9/1/2018	57
172	PICKENS WATERWORKS	3A	12/1/2018	57
818	PIKE CITY WATER ASSN	3A	10/1/2018	333
354	PYATT WATERWORKS	3A	7/1/2018	225
354	PYATT WATERWORKS	3A	8/1/2018	225
093	RECTOR WATERWORKS	3A	5/1/2018	2312
389	ROE WATERWORKS	3A	12/1/2018	124
800	SHANNON HILLS WATER DEPT	3A	12/1/2018	3443
293	SPADRA-GOOSE CAMP WATER ASSOC	3A	3/1/2018	517
166	SPARKMAN WATERWORKS	3A	2/1/2018	1325
405	STEPHENS WATERWORKS	3A	8/1/2018	1000

Appendix C - Microbiological Monitoring - No Valid Samples

882	SYLAMORE VALLEY WATER ASSN	3A	10/1/2018	270
451	ULM WATERWORKS	3A	7/1/2018	206
451	ULM WATERWORKS	3A	11/1/2018	206
451	ULM WATERWORKS	3A	12/1/2018	206
137	VANDERVOORT WATERWORKS	3A	1/1/2018	685
283	WABBASEKA WATERWORKS	3A	6/1/2018	352
116	WALKER WATER ASSOCIATION	3A	10/1/2018	1182
321	WILTON WATERWORKS	3A	3/1/2018	354
783	WIRE ROAD WATER SYSTEM	3A	5/1/2018	822
383	YARBRO WATERWORKS	3A	2/1/2018	392

PWS type: N

PWS	System Name	SDWIS Code	Violation Date	Retail population
1089	101 GROCERY	3A	7/1/2018	25
T1066	201 XPRESS	3A	2/1/2018	30
T1066	201 XPRESS	3A	7/1/2018	30
T1066	201 XPRESS	3A	8/1/2018	30
T1066	201 XPRESS	3A	9/1/2018	30
T1066	201 XPRESS	3A	10/1/2018	30
T0015	AHTD-LONSDALE REST AREA	3A	12/1/2018	100
T0171	ANGLERS RESTAURANT	3A	7/1/2018	50
T0171	ANGLERS RESTAURANT	3A	8/1/2018	50
T0031	ARK POST NATIONAL MEMORIAL	3A	5/1/2018	100
N0074	ASHLEY MINERAL SPRING	3A	6/1/2018	25
T1086	BEAR CREEK COUNTRY STORE	3A	11/1/2018	50
T0751	BEAVER RV PARK	3A	6/1/2018	100
1080	BIGGERS BED AND BREAKFAST	3A	3/1/2018	25
1001	Blue Heron Campground	3A	12/1/2018	25
T0350	BLUE WATER'S RESORT	3A	11/1/2018	52
988	Brentwood Rest Area WVM	3A	3/1/2018	30
T0091	BROOKHILL RANCH	3A	6/1/2018	250
1242	CAMP HARVEST	3A	8/1/2018	25
T0120	CAMP KIA KIMA	3A	7/1/2018	500
931	CEDAR RIDGE COUNTRY CUPBOARD	3A	5/1/2018	25
T0269	CORNER CAFÉ & DAIRY BAR	3A	6/1/2018	25
T0269	CORNER CAFÉ & DAIRY BAR	3A	7/1/2018	25
T0269	CORNER CAFÉ & DAIRY BAR	3A	11/1/2018	25
N0186	CULLIGAN WATER CONDITIONING	3A	11/1/2018	30
T1076	ECHO CANYON RESORT & MARINA	3A	12/1/2018	30

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Appendix C - Microbiological Monitoring - No Valid Samples

T1107	EUREKA SPRINGS PARKS & REC	3A	12/1/2018	100
T0215	FISH FIDDLE RESORT	3A	5/1/2018	50
989	FOODIE'S CAFÉ & CATERING	3A	9/1/2018	25
942	FRED BERRY CONSERVATION ED CTR	3A	12/1/2018	25
T0563	FREEDOM RV PARK	3A	2/1/2018	25
T0563	FREEDOM RV PARK	3A	7/1/2018	25
T0563	FREEDOM RV PARK	3A	8/1/2018	25
T0563	FREEDOM RV PARK	3A	9/1/2018	25
T0563	FREEDOM RV PARK	3A	10/1/2018	25
1211	GARNER'S ICE HOUSE ROSE BUD	3A	2/1/2018	30
T0932	GASKINS CABIN STEAKHOUSE	3A	11/1/2018	75
972	GENERAL WATER CONDITIONING	3A	10/1/2018	30
972	GENERAL WATER CONDITIONING	3A	11/1/2018	30
972	GENERAL WATER CONDITIONING	3A	12/1/2018	30
926	GIFT-TIQUES	3A	9/1/2018	25
1079	GLACIER 42175 HARRISON	3A	1/1/2018	30
1079	GLACIER 42175 HARRISON	3A	6/1/2018	30
1157	GLACIER CN0037 MARSHALL	3A	1/1/2018	30
1168	GLACIER FAMD7888 SPRINGDALE	3A	1/1/2018	60
1124	GLACIER HM1 SPRINGDALE	3A	6/1/2018	30
1124	GLACIER HM1 SPRINGDALE	3A	9/1/2018	30
1231	GLACIER HSF2217 HARRISON	3A	1/1/2018	30
1231	GLACIER HSF2217 HARRISON	3A	6/1/2018	30
1085	GLACIER SMERC 1900 SPRINGDALE	3A	1/1/2018	30
1096	GLACIER SMERC300 ROGERS	3A	1/1/2018	30
981	HARVEST CHURCH	3A	1/1/2018	75
981	HARVEST CHURCH	3A	3/1/2018	75
T0486	HIDE A WAY CAMPGROUND	3A	10/1/2018	25
1009	HOUSE OF LUKE MINISTRIES	3A	3/1/2018	50
1043	JIM'S SALOON	3A	6/1/2018	25
T0312	LAKE LEATHERWOOD CAMPGROUND	3A	12/1/2018	25
T0313	LAKE NORFORK INN	3A	6/1/2018	25
T0313	LAKE NORFORK INN	3A	9/1/2018	25
T1092	Lake Norfolk Ozark Mountain Lodge	3A	8/1/2018	50
T0316	LAKESIDE COUNTRY CLUB	3A	9/1/2018	120
1217	NIMOCK'S ICE MARIANNA	3A	12/1/2018	30
T0247	NOLA GROCERY & CAFÉ	3A	5/1/2018	25
957	NORFORK MARINA	3A	4/1/2018	25
1198	NWS INC. WF0317 LITTLE ROCK	3A	12/1/2018	30

Appendix C - Microbiological Monitoring - No Valid Samples

1216	OZARK ICE HOUSE COTTER	3A	11/1/2018	30
T1016	OZARKS RV RESORT OWNERS	3A	7/1/2018	500
1234	PRIMO GLACIER HCP108 SPRINGDALE	3A	1/1/2018	30
1235	PRIMO GLACIER HF103 GREEN FOREST	3A	1/1/2018	30
1235	PRIMO GLACIER HF103 GREEN FOREST	3A	6/1/2018	30
1237	PRIMO GLACIER HF115 ELKINS	3A	1/1/2018	30
1237	PRIMO GLACIER HF115 ELKINS	3A	4/1/2018	30
N0162	PRIMO HF133 HUNTSVILLE	3A	1/1/2018	30
1029	PRIMO REFILL LLC Harp's Ft Smith	3A	1/1/2018	30
1066	PRIMO REFILL LLC HARPS124 FAYETTEVILLE	3A	1/1/2018	30
1152	PRIMO REFILL LLC WMSC 0169 LONOKE	3A	1/1/2018	30
1145	PRIMO REFILL LLC WMSC0062 BLYTHEVILLE	3A	1/1/2018	30
911	PRIMO REFILL LLC WMSC0068 WYNNE	3A	1/1/2018	30
N0174	PRIMO REFILL LLC FAYETTEVILLE WAL359	3A	1/1/2018	30
N0175	PRIMO REFILL LLC JONESBORO WAL-M128	3A	1/1/2018	30
N0178	PRIMO SF HOLIDAY ISLAND	3A	1/1/2018	30
N0178	PRIMO SF HOLIDAY ISLAND	3A	6/1/2018	30
N0229	PRIMO WMNM 3479 ROGERS	3A	1/1/2018	30
N0201	PRIMO WMNM2745	3A	1/1/2018	30
1215	PRIMO WMNM3654 ROGERS	3A	1/1/2018	30
1207	PRIMO WMNM4375	3A	1/1/2018	30
1208	PRIMO WMNM4376 BENTONVILLE	3A	1/1/2018	30
1224	PRIMO WMNM4516 FAYETTEVILLE	3A	1/1/2018	30
1225	PRIMO WMNM5780 PARAGOULD	3A	1/1/2018	30
1200	PRIMO WMNM6876 JONESBORO	3A	1/1/2018	30
1199	PRIMO WMNM6943 JONESBORO	3A	1/1/2018	30
1197	PRIMO WMNM6975 CABOT	3A	6/1/2018	30
1187	PRIMO WMNM7242 FARMINGTON	3A	1/1/2018	30
1196	PRIMO WMNM7317 GREENBRIAR	3A	1/1/2018	30
1196	PRIMO WMNM7317 GREENBRIAR	3A	6/1/2018	30
N0158	PRIMO WMSC 0002 HARRISON	3A	1/1/2018	30
N0158	PRIMO WMSC 0002 HARRISON	3A	6/1/2018	30
N0157	PRIMO WMSC0001 ROGERS	3A	1/1/2018	30
1049	PRIMO WMSC0007 SHERWOOD	3A	1/1/2018	30
N0230	PRIMO WMSC0011 MT HOME	3A	1/1/2018	30
1181	PRIMO WMSC0018 NEWPORT	3A	1/1/2018	30
N0198	PRIMO WMSC0024 JACKSONVILLE	3A	6/1/2018	30
N0161	PRIMO WMSC0036 PARAGOULD	3A	1/1/2018	30
1205	PRIMO WMSC0055 BOONEVILLE	3A	1/1/2018	30

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Appendix C - Microbiological Monitoring - No Valid Samples

N0164	PRIMO WMSC0071 POCAHONTAS	3A	1/1/2018	30
1169	PRIMO WMSC0074 OSCEOLA	3A	1/1/2018	30
N0159	PRIMO WMSC0076 BERRYVILLE	3A	1/1/2018	30
N0159	PRIMO WMSC0076 BERRYVILLE	3A	6/1/2018	30
N0153	PRIMO WMSC0091 FOREST CITY	3A	1/1/2018	30
N0219	PRIMO WMSC0119 BATESVILLE	3A	1/1/2018	30
N0192	PRIMO WMSC0125 FT. SMITH	3A	1/1/2018	30
N0170	PRIMO WMSC0144 FAYETTEVILLE	3A	1/1/2018	30
N0160	PRIMO WMSC0145 JONESBORO	3A	1/1/2018	30
N0166	PRIMO WMSC0160 ASH FLAT	3A	1/1/2018	30
N0176	PRIMO WMSC0281 HEBER SPRINGS	3A	1/1/2018	30
963	PRIMO WMSC0296 DARDANELLE	3A	1/1/2018	50
1195	PRIMO WMSC0373 HUNTSVILLE	3A	1/1/2018	30
N0220	PRIMO WMSC0788 CLINTON	3A	1/1/2018	30
964	PRIMO WMSC1114 MTN VIEW	3A	1/1/2018	30
944	PRIMO WMSC1147 FLIPPIN	3A	1/1/2018	30
983	PRIMO WMSC2587 CABOT	3A	6/1/2018	30
1106	PRIMO WMSC2743 SHERWOOD	3A	1/1/2018	30
1188	PRIMO WMSC4108 SPRINGDALE	3A	1/1/2018	30
1180	PRIMO WMSC4168 BEEBE	3A	6/1/2018	30
946	PRIMO WMSC5260 ROGERS	3A	1/1/2018	30
946	PRIMO WMSC5260 ROGERS	3A	6/1/2018	30
1186	PRIMO WNM6971 PEA RIDGE	3A	3/1/2018	30
1041	PRIMO-GLACER ONF FAYETTVILLE	3A	1/1/2018	30
T1038	RED BUD VALLEY RESORT	3A	5/1/2018	25
936	RIVERSIDE RETREAT	3A	6/1/2018	25
T0468	RIVERVIEW RESORT	3A	11/1/2018	30
T0468	RIVERVIEW RESORT	3A	12/1/2018	30
T0472	ROCKING CHAIR RANCH	3A	3/1/2018	84
928	SADDLER FALLS RESORT	3A	5/1/2018	30
T0484	SANDRA D'S GROCERY & FUEL STOP	3A	11/1/2018	25
958	SOUTHFORK RESORT	3A	7/1/2018	50
958	SOUTHFORK RESORT	3A	8/1/2018	50
T0524	SUNRISE POINT RESORT	3A	6/1/2018	76
T0591	USCOE BSWP117 OZARK ISLE	3A	5/1/2018	120
T0695	USCOE NFWP25 BIDWELL POINT	3A	8/1/2018	144
T0786	USFS GUNNER POOL	3A	3/1/2018	25
T0786	USFS GUNNER POOL	3A	4/1/2018	25
1132	WARREN'S NORFORK LAKE GRILL	3A	12/1/2018	205

Appendix C - Microbiological Monitoring - No Valid Samples

949	WEST SHORE RESTAURANT	3A	5/1/2018	150
949	WEST SHORE RESTAURANT	3A	6/1/2018	150
T1105	WHEELIN' WORLD	3A	1/1/2018	50
T1105	WHEELIN' WORLD	3A	2/1/2018	50
1249	WHILEYS COUNTRY STORE	3A	11/1/2018	25
1204	YGAP TEXARKANA 2	3A	10/1/2018	30

PWS type: P

PWS	System Name	SDWIS Code	Violation Date	Retail population
N0052	CLEARWATER PAPER CORPORATION	3A	12/1/2018	339
1243	HAPPY FEET LEARNING CENTER	3A	12/1/2018	42

Appendix D - Microbiological Monitoring - Failure to collect Level 1 or Level 2 Assessment Samples

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
159	HICKORY RIDGE WATERWORKS	2A	12/1/2016	280

Appendix E - Surface Water Treatment Rule Monitoring

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
871	BENTON-WASHINGTON REGIONAL PWA	36	4/1/2018	19
109	MAGNOLIA WATERWORKS	36	7/1/2018	12000
580	PANGBURN WATERWORKS	36	11/1/2018	2613
883	PARON-OWENSVILLE WATER AUTH	36	2/1/2018	2071
882	SYLAMORE VALLEY WATER ASSN	36	10/1/2018	270

PWS type: N

PWS	System Name	SDWIS Code	Violation Date	Retail population
T0524	SUNRISE POINT RESORT	36	5/1/2018	76
T0524	SUNRISE POINT RESORT	36	6/1/2018	76
T0524	SUNRISE POINT RESORT	36	6/1/2018	76
T0524	SUNRISE POINT RESORT	36	7/1/2018	76
T0829	THE INN AT LOST BRIDGE	36	6/1/2018	25
T0829	THE INN AT LOST BRIDGE	36	6/1/2018	25
T0852	WHITE RIVER CAMPGROUND	36	7/1/2018	250

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Appendix E

Appendix F - Treatment Technique Violations: Surface Water Treatment Rule, Ground Water Rule and Long Term 2 (LT2)

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
088	AMITY WATERWORKS	41	1/31/2018	725
709	MORRISON BLUFF WATER SYSTEM	41	9/30/2018	325
709	MORRISON BLUFF WATER SYSTEM	41	10/31/2018	325
580	PANGBURN WATERWORKS	41	1/31/2018	2613
580	PANGBURN WATERWORKS	41	2/28/2018	2613
580	PANGBURN WATERWORKS	41	2/28/2018	2613

PWS type: P

PWS	System Name	SDWIS Code	Violation Date	Retail population
1221	VETERANS HEALTH CARE SYSTEM OF THE	41	7/31/2018	2200
1221	VETERANS HEALTH CARE SYSTEM OF THE	41	8/31/2018	2200

Appendix G - Chemical Maximum Contaminant Level Violation

PWS type: C

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail population
485	ARKANSAS HEALTH CENTER	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	1000
441	ATKINS WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	4439
441	ATKINS WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	4439
039	BELLA VISTA P.O.A.	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	27128
039	BELLA VISTA P.O.A.	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	27128
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	1430
653	BRANCH WATER WORKS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	480
660	CASA WATER DEPT	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	1200
660	CASA WATER DEPT	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	1200
449	DES ARC WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	3964
449	DES ARC WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	3964

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Appendix G - Chemical Maximum Contaminant Level Violation

449	DES ARC WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	3964
449	DES ARC WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	3964
143	DYER WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	1010
809	EAST LOGAN CO RURAL WATER	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	1/1/2018	2008
809	EAST LOGAN CO RURAL WATER	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2018	2008
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	966
715	EAST MONROE COUNTY WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	966
323	FOREMAN WATERWORKS	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2018	1011
696	GREASY VALLEY WPFB LOGAN CO.	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	1/1/2018	520
546	HARMONY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	336

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Appendix G - Chemical Maximum Contaminant Level Violation

230	HOPE WATER LIGHT COMM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	11500
230	HOPE WATER LIGHT COMM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	11500
230	HOPE WATER LIGHT COMM	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	11500
230	HOPE WATER LIGHT COMM	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	11500
508	HUNTINGTON WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	620
640	JOHNSON TOWNSHIP WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	794
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	4813
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2018	4279

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Appendix G - Chemical Maximum Contaminant Level Violation

787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2018	4279
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2018	4279
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	10/1/2018	4279
049	LOST BRIDGE VILL WAT-SEW DIST	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	990
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	3807
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	3807
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	3807
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	3807
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	3807
951	MONTGOMERY CO REGIONAL PWA	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	0
951	MONTGOMERY CO REGIONAL PWA	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	0
951	MONTGOMERY CO REGIONAL PWA	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	0
951	MONTGOMERY CO REGIONAL PWA	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	0
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	180

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Appendix G - Chemical Maximum Contaminant Level Violation

314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	180
709	MORRISON BLUFF WATER SYSTEM	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2018	325
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	3218
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	3218
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	3218
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	3218
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	3218
392	MOUNT IDA WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	3218
136	MULBERRY WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	1648
805	NASHVILLE RURAL WATER AUTHORITY	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	7291
805	NASHVILLE RURAL WATER AUTHORITY	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	7291

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Appendix G - Chemical Maximum Contaminant Level Violation

557	NEW LONDON WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	802
557	NEW LONDON WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	802
1075	NORTH HOWARD RURAL WATER ASSOCIATION	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2018	710
1075	NORTH HOWARD RURAL WATER ASSOCIATION	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2018	710
1075	NORTH HOWARD RURAL WATER ASSOCIATION	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	10/1/2018	710
616	ODEN- PENCIL BLUFF WATER ASSN.	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	383
616	ODEN- PENCIL BLUFF WATER ASSN.	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	383
753	OLD BELLA VISTA POA	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	130
753	OLD BELLA VISTA POA	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	130
559	OLD UNION WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	1181
328	PARIS WATERWORKS	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	1/1/2018	4935
573	PRAIRIE GROVE WATERWORKS	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2018	6303
040	RAMBO WATER DISTRICT #1 INC	1024	Maximum Contaminant Level Violation for Cyanide	1/1/2018	93

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Appendix G - Chemical Maximum Contaminant Level Violation

040	RAMBO WATER DISTRICT #1 INC	1024	Maximum Contaminant Level Violation for Cyanide	4/1/2018	93
040	RAMBO WATER DISTRICT #1 INC	1024	Maximum Contaminant Level Violation for Cyanide	7/1/2018	93
040	RAMBO WATER DISTRICT #1 INC	1024	Maximum Contaminant Level Violation for Cyanide	10/1/2018	93
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	1698
889	SOUTHWEST ARKANSAS WATER SYST	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	1698
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	2620
782	TRI-COUNTY WATER DISTBR DIST	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	16671
782	TRI-COUNTY WATER DISTBR DIST	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	16671

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Appendix G - Chemical Maximum Contaminant Level Violation

654	UNITED WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	568
654	UNITED WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	568
654	UNITED WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	568
298	WALNUT HILL WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	270
574	WASHINGTON WATER AUTHORITY WWA	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	16750
574	WASHINGTON WATER AUTHORITY WWA	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	16750
574	WASHINGTON WATER AUTHORITY WWA	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	16750
574	WASHINGTON WATER AUTHORITY WWA	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	16750
535	WHEATLEY WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2018	447
535	WHEATLEY WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2018	447
535	WHEATLEY WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2018	447
535	WHEATLEY WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	10/1/2018	447
642	WINTHROP WATER ASSOCIATION	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2018	338

Appendix G - Chemical Maximum Contaminant Level Violation

PWS type: P

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail population
N0241	HUTCHINSON REALTY	1025	Maximum Contaminant Level Violation for Fluoride	1/1/2018	28
932	MOUNTAIN DEVELOPMENT	1025	Maximum Contaminant Level Violation for Fluoride	1/1/2018	50
932	MOUNTAIN DEVELOPMENT	1024	Maximum Contaminant Level Violation for Cyanide	4/1/2018	50
932	MOUNTAIN DEVELOPMENT	1024	Maximum Contaminant Level Violation for Cyanide	7/1/2018	50
932	MOUNTAIN DEVELOPMENT	1024	Maximum Contaminant Level Violation for Cyanide	10/1/2018	50

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Appendix H - Radium Maximum Contaminant Level Violation

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
096	CORNING WATERWORKS	4010	1/1/2018	3650

Appendix I - Lead & Copper Rule Monitoring & Treatment Technique

PWS type: C

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail population
271	ALTHEIMER WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	11/23/2015	900
088	AMITY WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	1/12/2016	725
068	BANKS WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	1/28/2016	248
377	BASSETT WATERWORKS	52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/1/2011	143
622	BATTS-LAPILE WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	1/28/2016	583
1178	BAXTER MARION RURAL WATER ASSOCIATION	52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	1/1/2016	360
N0014	BRUNO PYATT SCHOOL	66	LEAD CONSUMER NOTICE (LCR)	11/19/2015	300
181	COLLINS WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	12/1/2017	269
596	COTTON PLANT WATERWORKS	52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/1/2011	435
813	COTTONWOOD WATER ASSOCIATION	65	PUBLIC EDUCATION (LCR)	3/1/2018	703
685	DEER RUN WATER COMPANY	66	LEAD CONSUMER NOTICE (LCR)	3/1/2017	121
685	DEER RUN WATER COMPANY	66	LEAD CONSUMER NOTICE (LCR)	5/18/2011	121

Appendix I - Lead & Copper Rule Monitoring & Treatment Technique

461	DENNARD WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	9/2/2016	908
082	DERMOTT WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2017	2600
886	E CASS WATER SUPPLY CORP	66	LEAD CONSUMER NOTICE (LCR)	4/1/2018	150
164	FORDYCE WATER CO	66	LEAD CONSUMER NOTICE (LCR)	12/1/2017	9300
636	FRENCHPORT WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	6/1/2018	1669
427	HEAFER-BLACK OAK WATER ASSOC	66	LEAD CONSUMER NOTICE (LCR)	1/12/2016	436
518	HORATIO WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	1/6/2016	1278
884	HOSANNA HEIGHTS WATER	66	LEAD CONSUMER NOTICE (LCR)	12/31/2015	50
749	HWY 64 WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	1/28/2016	215
122	LAKE CITY WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	3/1/2017	2186
726	LAKESHORE ESTATES WATER ASSN	66	LEAD CONSUMER NOTICE (LCR)	1/13/2016	634
1091	LEATHERWOOD VIEW ESTATES	66	LEAD CONSUMER NOTICE (LCR)	11/30/2016	40
1091	LEATHERWOOD VIEW ESTATES	51	INITIAL TAP SAMPLING (LCR)	7/1/2012	40

Appendix I - Lead & Copper Rule Monitoring & Treatment Technique

421	MARVELL WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	1/14/2016	1005
421	MARVELL WATERWORKS	52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	7/1/2016	1005
421	MARVELL WATERWORKS	58	OCCT/SOWT INSTALL DEMONSTRATION (LCR)	4/1/2018	1005
557	NEW LONDON WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	12/9/2015	802
227	OZAN WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	3/1/2017	425
172	PICKENS WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	11/24/2016	57
354	PYATT WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2017	225
776	RIDGEFIELD ESTATES WATER SYS	52	FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/1/2014	150
776	RIDGEFIELD ESTATES WATER SYS	66	LEAD CONSUMER NOTICE (LCR)	6/1/2017	150
731	RIVER BEND PARK POA	66	LEAD CONSUMER NOTICE (LCR)	3/1/2017	523
491	SALINE CO WW SS PFB	66	LEAD CONSUMER NOTICE (LCR)	11/13/2015	1900
005	ST CHARLES WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2016	347
882	SYLAMORE VALLEY WATER ASSN	66	LEAD CONSUMER NOTICE (LCR)	10/21/2015	270

Appendix I - Lead & Copper Rule Monitoring & Treatment Technique

155	TURRELL WATER WORKS	66	LEAD CONSUMER NOTICE (LCR)	11/23/2015	540
298	WALNUT HILL WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	10/8/2015	270

Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
PWS type:PWS type: C		
811	ACORN RURAL WATER ASSN	1975
315	ADC - CUMMINS UNIT MAINT	3800
303	ALICIA WATER SYSTEM	154
144	ALMA WATERWORKS	5745
058	ALPENA WATERWORKS	550
764	ALPINE WATER ASSOCIATION	780
424	ANTOINE WATERWORKS	563
790	AR DEPT OF CORRECTION IZARD CO	800
085	ARKADELPHIA WATERWORKS	10553
527	ASH FLAT WATER COMPANY	1082
320	ASHDOWN WATERWORKS	4723
597	AUGUSTA WATERWORKS	2128
721	AURELLE WATER SYSTEM	296
890	AUTUMN ACRES MHP	88
584	BALD KNOB WATERWORKS	2905
785	BARKADA WATER ASSOCIATION	381
415	BARTON LEXA WATER ASSOCIATION	3700
819	BASIN VALLEY WATER SYSTEM	376
250	BATESVILLE WATER UTILITIES	10026
401	BEARDEN WATERWORKS	2450
038	BEAVER WATER DISTRICT	52
844	BEAVERFORK VOLUNTEER FD WSD	3458
904	BEDFORD FALLS MHP	98
462	BEE BRANCH WATER	3135
592	BEEBE WATERWORKS	8120
262	BEEDEVILLE WATER WORKS	112
059	BELLEFONTE WATER	468
600	BELLEVILLE WATER	1103
037	BENTON CO WATER	5743
899	BENTON COUNTY WATER AUTHORITY4	543
913	BENTON COUNTY WATER AUTHORITY5	1622
484	BENTON WATERWORKS	30681
041	BENTONVILLE WATER UTILITIES	42343
060	BERGMAN WATERWORKS	2945
074	BERRYVILLE WATERWORKS	6025
627	BETHESDA WATER ASSOCIATION	1302
026	BIG FLAT WATERWORKS	523
411	BIGELOW WATERWORKS	544
476	BIGGERS WATERWORKS	404

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PWS ID	System Name	Retail population served
448	BISCOE WATERWORKS	440
302	BLACK ROCK WATERWORKS	698
233	BLEVINS WATERWORKS	335
365	BLYTHEVILLE WATERWORKS	16243
126	BONO WATERWORKS	2014
336	BOONEVILLE DEVELOPMENT CENTER	275
326	BOONEVILLE WATERWORKS	4108
179	BOWSER WATER ASSN	569
587	BRADFORD WATERWORKS	950
054	BRADLEY CO RURAL WATER ASSN	1438
294	BRADLEY WATERWORKS	567
024	BRIARCLIFF WATERWORKS	313
384	BRINKLEY WATERWORKS	4281
131	BROOKLAND WATERWORKS	2797
837	BRUNNER HILL WATER ASSOC	1150
486	BRYANT WATERWORKS	19607
295	BUCKNER WATERWORKS	290
671	BUFFALO ISLAND REG WATER DIST	3429
352	BULL SHOALS WATER SYSTEM	2723
366	BURDETTE WATERWORKS	606
338	CABOT WATERWORKS	23776
515	CADDO VALLEY WATERWORKS	635
532	CALDWELL WATER	1585
003	CALICO ROCK WATERWORKS	1642
551	CALION WATER WORKS	494
404	CAMDEN WATERWORKS	14825
877	CAMP ROBINSON	1500
127	CARAWAY WATERWORKS	1375
339	CARLISLE WATERWORKS	2214
675	CARROLL-BOONE WATER DISTRICT	24
165	CARTHAGE WATER AND SEWER	345
130	CASH WATERWORKS	359
526	CAVE CITY WATERWORKS	2484
138	CEDARVILLE WATERWORKS	8423
213	CENTER GROVE WATER ASSOCIATION	4377
044	CENTERTON WATERWORKS	16380
465	CENTRAL ARKANSAS WATER	330667
845	CENTRAL LOGAN COUNTY PWFB	1268
200	CHARLESTON WATERWORKS	3568
521	CHEROKEE VILLAGE WATER ASSOC	4717

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PWS ID	System Name	Retail population served
661	CHICOT JUNCTION WATER ASSOC	681
446	CITY CORPORATION	29115
503	CITY OF CENTRAL CITY WWWC	1218
741	CLARK CO COUNTRY WATER FACILIT	2450
148	CLARKEDALE-JERICHO WATER ASSOC	925
289	CLARKSVILLE CONNECTED UTILITIES	9410
722	CLAY CO REG WATER DISTRICT	5515
069	CLEVELAND CO RURAL WATER USERS ASSOC	1637
564	CLINTON WATERWORKS	5733
533	COLT WATER ASSOCIATION	910
101	COMMUNITY WATER SYSTEM	15646
669	COMPTON WATERWORKS	811
119	CONWAY CO REGIONAL WATER DIST	18973
189	CONWAY WATER SYSTEM	58908
927	CORINTH VALLEY WATER SYSTEM	84
028	COTTER WATERWORKS	980
439	COVE WATERWORKS	651
340	COY WATERWORKS	225
149	CRAWFORDSVILLE WATERWORKS	1646
873	CRESTWOOD MOBILE HOME PARK	34
459	CROSS COUNTY RURAL WATER SYS	9276
017	CROSSETT WATER COMMISSION	8038
180	CROWLEYS RIDGE WATER ASSOC	3695
249	CUSHMAN WATER SYSTEM	1240
190	DAMASCUS WATER WORKS	1695
601	DARDANELLE WATERWORKS	4228
052	DECATUR WATERWORKS	3003
670	DEER WATER ASSOCIATION	882
224	DELAPLAINE WATERWORKS	116
423	DELIGHT WATERWORKS	1577
367	DELL WATERWORKS	1077
199	DENNING WATERWORKS	755
450	DEVALLS BLUFF WATERWORKS	670
008	DEWITT WATERWORKS	3294
061	DIAMOND CITY WATER	1175
269	DIAZ WATERWORKS	1088
243	DIERKS WATER WORKS	1400
585	DOGWOOD WATER ASSOCIATION	1345
714	DORCHEAT WATER ASSOCIATION	1860
698	Dota Public Water Authority	2662

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PWS ID	System Name	Retail population served
444	DOVER WATERWORKS	1587
171	DUMAS WATERWORKS	4289
730	DYESS RURAL WATER	324
376	DYESS WATERWORKS	430
150	EARLE WATERWORKS	1720
646	EAST END WATER	5800
772	EAST JOHNSON CO WATER ASSN	4210
539	EASTSIDE HOMEOWNERS ASSOC	201
350	EDGEWOOD BAY WATER	279
550	EL DORADO WATERWORKS	18750
418	ELAINE WATERWORKS	1673
567	ELKINS WATERWORKS	3033
111	EMERSON WATERWORKS	1145
393	EMMET WATERWORKS	550
341	ENGLAND WATERWORKS	2823
183	ENON WATER ASSOCIATION	488
083	EUDORA WATERWORKS	2160
075	EUREKA SPRINGS WATERWORKS	4125
525	EVENING SHADE WATERWORKS	728
544	FAIRCREST WATER ASSOCIATION	1244
569	FAYETTEVILLE WATERWORKS	102878
514	FCMTC WATERWORKS	500
046	FIFTY SIX WATERWORKS	595
351	FLIPPIN WATERWORKS	3625
635	FORDYCE RURAL WATER ASSOC	1320
004	FORREST CITY WATERWORKS	15435
507	FORT SMITH WATER UTILITIES	86209
257	FRANKLIN WATERWORKS	192
1077	FRANKLIN-SEBATHIAN PWA	0
812	FREEDOM WATER ASSOCIATION	1858
814	FULTON COUNTY WATER ASSOC	2152
645	FURLOW WATER ASSOCIATION	2905
034	GASSVILLE WATERWORKS	1672
693	GATEWAY PUBLIC WATER AUTHORITY	1890
048	GENTRY WATERWORKS	5385
699	GENTRYVILLE PUBLIC WATER AUTH	402
009	GILLETT WATER DEPT	681
658	GILLHAM REGIONAL WATER DIST	3
857	GLEN ACRES	24
374	GOSNELL WATER ASSOCIATION	3220

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PWS ID	System Name	Retail population served
317	GRADY WATERWORKS	377
734	GRAND PRAIRIE BAYOU 2 PWA	11150
738	GRAND PRAIRIE REGIONAL WATER	13500
437	GRANNIS WATERWORKS	548
051	GRAVETTE WATERWORKS	3740
077	GREEN FOREST WATERWORKS	5752
701	GREEN HILL-BROOKS CHAPEL WATER	785
191	GREENBRIER WATERWORKS	7893
504	GREENWOOD WATERWORKS	8952
267	GRUBBS WATERWORKS	409
626	GUION WATER DEPARTMENT	255
087	GURDON WATERWORKS	3215
192	GUY WATERWORKS	1692
015	HAMBURG WATERWORKS	5481
070	HAMPTON WATERWORKS	1327
273	HARDIN WATER ASSOCIATION	4600
524	HARDY WATERWORKS	1123
071	HARRELL WATERWORKS	296
431	HARRISBURG WATERWORKS	2885
062	HARRISON WATERWORKS	17135
436	HATFIELD WATERWORKS	410
602	HAVANA WATERWORKS	1143
452	HAZEN WATERWORKS	1600
104	HEBER SPRINGS WATER SYSTEM	11150
419	HELENA WATER SEWER	5500
067	HERMITAGE WATERWORKS	851
885	HIGHFILL WATER DEPARTMENT	649
672	Highland Public Water Authority	1816
388	HOLLY GROVE WATERWORKS	1010
617	HORSEHEAD WATER ASSOCIATION	4940
255	HORSESHOE BEND WATERWORKS	2178
151	Horseshoe Lake Utilities	726
236	HOT SPRING CO WATER ASSOC	3395
209	HOT SPRINGS UTILITIES	92020
208	HOT SPRINGS VILLAGE WATER	13921
301	HOXIE WATER DEPARTMENT	2678
011	HUGHES COMMUNITY WATER ASSOC	2030
348	HUNTSVILLE WATERWORKS	2485
765	HWY 4 24 WATER ASSOCIATION	2165
145	HWY 71 WATER DISTRICT #1 PWA	6250

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PWS ID	System Name	Retail population served
702	HWY 9 WATER ASSOCIATION	1285
300	IMBODEN WATERWORKS	675
263	JACKSONPORT WATERWORKS	230
466	JACKSONVILLE WATERWORKS	30481
513	JAMES FORK REGIONAL WATER	11384
397	JASPER WATERWORKS	766
276	JEFFERSON-SAMPLES-DEXTER WATER	2552
372	JOINER WATERWORKS	508
124	JONESBORO WATER SYSTEM	79864
582	JUDSONIA WATERWORKS	3028
588	KENSETT WATERWORKS	1425
140	KIBLER WATER SYSTEM	1800
821	KIMZEY REGIONAL WATER DISTRICT	11650
827	KINGS HILL ESTATES	25
108	KINGSLAND WATERWORKS	447
099	KNOBEL WATERWORKS	270
287	KNOXVILLE WATERWORKS	1810
706	KROOKED CREEK WATER ASSN	2093
684	LACEY-LADELLE WATER ASSOCIATIO	1492
277	LADD WATER ASSOCIATION	2195
483	LAFE REGIONAL WATER DISTRIBUTION DISTRICT	2478
031	LAKE BULL SHOALS ESTATES WATER	54
080	LAKE CHICOT WATER ASSOCIATION	2038
677	LAKE FOREST SUBORDINATE DIST	123
780	LAKE LUCERNE ESTATES	55
824	LAKE TABLE ROCK ESTATES	33
081	LAKE VILLAGE WATERWORKS	2543
822	LAKESIDE WATER ASSOCIATION	1876
027	LAKEVIEW MIDWAY PUBLIC WATER AUTHORITY	3012
510	LAVACA WATERWORKS	3550
548	LAWSON-URBANA WATER ASSOC	1130
362	LEACHVILLE WATERWORKS	1989
063	LEAD HILL WATERWORKS	428
297	LEWISVILLE WATERWORKS	1951
572	LINCOLN WATERWORKS	6250
716	LISBON WATER ASSOCIATION	487
214	LITTLE CREEK WATER ASSOCIATION	2159
467	LITTLE RIVER COUNTRY CLUB	120
371	LITTLE RIVER WATER ASSOCIATION	829
912	LOCKE-FERN DOLLARD RD WW PFB	1135

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Appendix J

Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
517	LOCKESBURG WATERWORKS	739
102	LOCUST BAYOU WATER ASSOCIATION	535
274	LONG LAKE WATER ASSOCIATION	516
1076	LONOKE WHITE PUBLIC WATER AUTH	0
406	LOUANN WATERWORKS	180
292	LUDWIG WATER ASSOCIATION	1322
713	LYDESDALE WATER ASSOCIATION	405
299	LYNN WATERWORKS	685
803	MADISON CO REGIONAL WATER	3
349	MADISON CO WATER FACILITIES BD	9688
327	MAGAZINE WATERWORKS	1000
246	MAGNESS WATER ASSOCIATION	202
241	MAGNET-BUTTERFIELD WATER AUTHORITY	1838
237	MALVERN WATERWORKS	10318
206	MAMMOTH SPRING WATERWORKS	997
378	MANILA WATERWORKS	3348
310	MARIANNA WATERWORKS	3795
382	MARIE WATER SYSTEM	135
152	MARION WATERWORKS	12345
430	MARKED TREE WATERWORKS	2566
225	MARMADUKE WATERWORKS	1111
501	MARSHALL WATERWORKS	2410
001	MARYSVILLE WATER ASSOCIATION	729
464	MAUMELLE WATER CORPORATION	2832
193	MAYFLOWER WATERWORKS	7578
599	MC CRORY WATERWORKS	1747
098	MC DOUGAL WATERWORKS	251
705	MC NEIL RURAL WATER ASSOC	900
110	MC NEIL WATERWORKS	515
170	MCGEHEE WATERWORKS	4386
256	MELBOURNE WATERWORKS	3600
118	MENIFEE WATER DEPARTMENT	445
725	Mid-Arkansas Utilities PWA	11148
153	MIDWAY WATER ASSOCIATION	2100
1141	MILLER COUNTY PUBLIC WATER AUTHORITY	680
242	MINERAL SPRINGS WATERWORKS	1245
169	MITCHELLVILLE WATERWORKS	496
128	MONETTE WATERWORKS	1306
184	MONTICELLO WATER DEPARTMENT	10568
668	MOUNT OLIVE WATER ASSOCIATION	6858

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Appendix J

Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
025	MOUNTAIN HOME WATERWORKS	16144
454	MOUNTAIN TOP WATER ASSOCIATION	8700
542	MOUNTAIN VIEW WATERWORKS	6924
141	MOUNTAINBURG WATER AND SEWER	950
258	MT PLEASANT WATERWORKS	1306
633	MUNDELL HEIGHTS WATERWORKS	190
425	MURFREESBORO WATERWORKS	1645
1069	N E WHITE COUNTY PUBLIC FACILITIES BOARD	0
867	N GARLAND CO REG WATER DIST	6655
244	NASHVILLE WATERWORKS	4627
673	NE MISSISSIPPI CO WATER ASSOC	1151
697	NE YELL COUNTY WATER ASSOC	6160
1070	NEAPWA	2
248	NEWARK WATERWORKS	1410
264	NEWPORT WATERWORKS	6468
035	NORFORK WATERWORKS	1503
391	NORMAN WATERWORKS	850
554	NORPHLET WATERWORKS	1228
023	NORTH EAST CROSSETT WATER ASSN	154
033	NORTH EAST PUBLIC WATER AUTH	3927
012	NORTH LAGRUE WATER ASSOC	296
826	NORTH PIKE CO RURAL WATER ASSN	1976
007	NORTHEAST DEWITT WATER ASSOC	662
146	OAK GROVE WATER ASSOCIATION	2773
558	OAK MANOR WATER ASSOCIATION	339
676	OAKHILLS SURB IMPROVMENT DIST	130
322	OGDEN WATERWORKS	495
247	OIL TROUGH WATERWORKS	284
473	O'KEAN WATERWORKS	207
089	OKOLONA WATERWORKS	625
375	OSCEOLA WATERWORKS	7398
802	OUTSIDE KINGSLAND WATER ASSOC	450
259	OXFORD WATERWORKS	1074
1078	OZAN CREEK RURAL WATER SYSTEM	787
530	OZARK ACRES WATER ASSOCIATION	819
998	Ozark Mtn Regional PWA	0
201	OZARK WATERWORKS	4325
222	PARAGOULD, LIGHT, WATER, & CABLE	25261
560	PARKERS CHAPEL PUBLIC WATER	2369
662	PARKIN RURAL WATER ASSOCIATION	406

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Appendix J

Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
736	PARTHENON WATER ASSOCIATION	400
053	PEA RIDGE WATERWORKS	6560
412	PERRY WATER SYSTEM	658
234	PERRYTOWN WATERWORKS	130
413	PERRYVILLE WATERWORKS	2976
251	PFEIFFER WATER AUTHORITY	3167
090	PIGGOTT WATERWORKS	4698
1240	PINE TOP WATER FACILITIES BOARD	25
720	PLEASANT GROVE	2315
202	PLEASANT VIEW WATER FAC BOARD	1708
121	PLUMERVILLE WATERWORKS	826
474	POCAHONTAS WATERWORKS	7547
092	POLLARD WATERWORKS	287
305	PORTIA WATERWORKS	437
217	POYEN WATERWORKS	755
216	PRATTSVILLE WATERWORKS	1282
394	PRESCOTT WATERWORKS	3300
561	QUINN WATER ASSOCIATION	751
329	RATCLIFF WATERWORKS	1350
306	RAVENDEN WATERWORKS	470
084	READLAND-GRANDLAKE WATER ASSOC	220
279	REDFIELD WATERWORKS	2667
173	REED WATERWORKS	211
475	REYNO WATERWORKS	445
835	RICHWOODS WATER ASSOCIATION	1436
106	RISON WATERWORKS	1344
833	RIVER VALLEY WATER ASSN	1181
674	RIVERSOUTH RURAL WATER DIST	4168
239	RIVIERA UTILITIES	1800
252	Rock Moore Water Authority	792
055	ROGERS WATER UTILITIES	70878
395	ROSSTON WATER DEPARTMENT	750
591	RUSSELL WATERWORKS	338
678	S P G WATER ASSOCIATION	1420
492	SALEM WATER ASSOCIATION	15713
204	SALEM WATERWORKS	1639
493	SARDIS WATER ASSOCIATION	13752
870	SE BRADLEY CO WATER ASSN	2665
594	SE WHITE COUNTY WATER ASSOC	5075
590	SEARCY WATERWORKS	23650

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
511	SEBASTIAN LAKE UTILITY OPERATING COMPANY	258
304	SEDGWICK WATERWORKS	210
182	SELMA WATER ASSOCIATION	1100
868	SEVIER CO WATER ASSOCIATION	4618
215	SHERIDAN WATERWORKS	3136
407	SHUMAKER PUBLIC SERVICE CO	1413
528	SIDNEY WATER SYSTEM	312
056	SILAM SPRINGS WATERWORKS	18048
851	SOUTH LOGAN COUNTY WATER	1783
815	SOUTH MOUNTAIN WATER ASSN	349
978	SOUTH PIKE CO. WATER	755
219	SOUTH SHERIDAN WATER ASSOC	3491
792	SOUTHERN HILLS WATER SYSTEM	45
254	SOUTHSIDE PUB WATER AUTHORITY	9139
495	SOUTHWEST WATER ASSOCIATION	7140
575	SPRINGDALE WATER UTILITIES	87618
836	ST FRANCIS RIVER REG WATER DD	2501
537	ST FRANCIS RURAL WATER ASSOC	1775
094	ST FRANCIS WATER SYSTEM	263
296	STAMPS WATERWORKS	2267
318	STAR CITY WATER WATERWORKS	2695
755	STARLIGHT ESTATES	44
307	STRAWBERRY WATERWORKS	954
556	STRONG WATERWORKS	899
013	STUTTGART WATERWORKS	9745
135	SUBIACO CITY WATERWORKS	535
355	SUMMIT WATERWORKS	604
628	SW BOONE COUNTY WATER ASSOC	4085
852	SW WARREN WATER ASSOCIATION	746
185	SW WHITE COUNTY WATER ASSN	10284
045	SYLVAN SHORES SD WATERWORKS	85
891	TALL OAKS MHP	17
895	TANKSLEY APARTMENTS	52
360	TEXARKANA WATER UTILITIES	30015
072	THORNTON WATERWORKS	671
186	TILLAR WATERWORKS	225
618	TOLLETTE WATER	346
435	TRUMANN WATERWORKS	7968
266	TUCKERMAN WATERWORKS	1817
825	TULIP - PRINCETON WATER ASSN	1092

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
220	TULL WATER	1987
579	TUMBLING SHOALS WATER ASSOC	4890
426	TYRONZA WATERWORKS	852
690	US AIR FORCE BASE LITTLE ROCK	8618
727	VAN BUREN COUNTY W U A	3062
142	VAN BUREN WATERWORKS	22725
162	VANNDALE-BIRDEYE WATER ASSOC	2389
380	VICTORIA WATER ASSOCIATION	35
115	VILLAGE WATER ASSOCIATION	417
195	VILONIA WATERWORKS	23177
205	VIOLA WATERWORKS	363
460	WALDENBURG WATER ASSOCIATION	181
112	WALDO WATERWORKS	1785
498	WALDRON WATERWORKS	2955
858	WALKER CREEK STATELINE RWA	1335
639	WALKERVILLE WATER ASSOCIATION	547
309	WALNUT RIDGE WATERWORKS	5234
066	WARREN WATERWORKS	6384
606	WATALULA WATER ASSOCIATION	2278
284	WATSON CHAPEL WATER ASSOC	5865
174	WATSON WATERWORKS	249
428	WEINER WATERWORKS	1013
103	WESSON-NEWELL WATER ASSOC	658
878	WEST ASHLEY COUNTY WATER ASSN	683
577	WEST FORK WATERWORKS	2688
416	WEST HELENA WATER WORKS	7500
682	WEST SALINE WATER USERS ASSN	1862
735	WEST STONE COUNTY WATER ASSN	4634
779	WEST WOODRUFF WATER DISTRICT	341
704	WESTERN GREENE COUNTY R W D	5848
400	WESTERN GROVE MUNICIPAL WATER	939
804	WHELEN SPRINGS WATER DEPT	500
440	WICKES WATERWORKS	1303
538	WIDENER WATERWORKS	506
686	WILBURN WATER ASSOCIATION	739
562	WILDWOOD WATER ASSOCIATION	1350
529	WILLIFORD WATERWORKS	105
187	WILMAR WATERWORKS	864
021	WILMOT WATERWORKS	550
370	WILSON WATER SYSTEM	1122

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
188	WINCHESTER WATERWORKS	457
332	WINSLOW WATERWORKS	1590
700	WKMM RURAL WATER ASSOCIATION	310
196	WOOSTER WATERWORKS	5000
695	WRIGHT-PASTORIA WATER ASSOC	1268
410	WYE MOUNTAIN WATER ASSOCIATION	1350
163	WYNNE WATERWORKS	8837
356	YELLVILLE WATERWORKS	2329
319	YORKTOWN WATER ASSOCIATION	8423
PWS type:PWS type: N		
N0235	ALEXA SPRINGS WATER COMPANY	25
1177	ANCHOR'S LANDING AT WOODS POINT RV PARK	72
1107	ARK S/P BEECH POINT CAMPGROUND	25
T0068	BAYOU RESORT	25
T1070	Benny's Country Store	44
N0080	BLACK BEAR SPRINGS	25
T1082	BNR U2-02 DILLARDS FERRY	250
T1022	BNR U2-48 RUSH CAMPGROUND	25
T0098	BNRU2-01 BUFFALO POINT CAMPGROUND	25
T0885	BOLL WEEVIL	300
T0087	BOY SCOUT CAMP ORR	300
T0961	BUFFALO NATRV U4-24 KYLES CG	25
T0963	BUFFALO NRVU4-02LOST VALLEYCG	25
T0096	BUFFALO NRVU4-06 UPPER PRUITT	25
T1047	BUFFALO OUTDOOR CENTER	25
T0906	BUFFALO RV TYLER BEND CGU3-13	25
T0097	BUFFALO RV TYLER BEND MTU3-12	25
T0102	BYRD'S ADVENTURE CENTER, INC.	25
1013	C. G. Roxane	25
973	CAMP WAR EAGLE	700
986	CEDAR GLADES PARK	25
T0431	CEDAR VALLEY INC	250
T1080	CITGO FOOD MART	250
T1103	CLOUD 9 RV PARK	25
T0163	COUNTRY MOUNTAIN INN	100
748	CRABAPPLE POINT WATER SYSTEM	25
N0136	CULLIGAN OF NORTHWEST ARKANSAS	25
1222	DELTA RESORT & SPA	280
1246	DOLLAR GENERAL STORE 16417	25
1247	DOLLAR GENERAL STORE 17027	25

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
1245	FALLING WATER HORSE CAMP	50
T0116	FERNCLIFF CAMP CONFER CENTER	162
T0231	GASTON'S WHITE RIVER RESORT	550
T1045	GIRL SCOUT CAMP KARLTON KEMP	25
N0244	GLACIER BG0494 CROSSETT	30
1140	GLACIER BG105 PINE BLUFF	30
N0242	GLACIER BG2195 ELDORADO	30
N0245	GLACIER BG2239 CAMDEN	30
N0243	GLACIER BG2371 MAGNOLIA 2371	30
914	GLACIER BG4365 ASHDOWN	30
1114	GLACIER BGC096 ARKADELPHIA	30
1117	GLACIER BGC619 HOPE	30
1126	GLACIER CK0030 MOUNTAIN VIEW	30
1154	GLACIER FAMD1037 MARIANNA	30
1143	GLACIER FAMD4009 RUSSELLVILLE	30
1165	GLACIER FAMD4372 RODGERS	30
1046	GLACIER FG37 MARIANNA	80
1172	GLACIER HILLBILLY U-PUMP	30
1230	GLACIER SF2752 GASSVILLE	30
1053	GLACIER TFS CLINTON	30
N0239	GLACIER WATER ALB TEXARK 4318	30
T0258	HOLIDAY HILLS RESORT	150
T0915	HOT SPR NAT PK HAPPY HOLLOW SP	25
T0916	HOT SPR NAT PK WHITTINGTON SPR	25
T0259	HOT SPRINGS NATIONAL PARK	25
T0332	HOUSE OF BLESSINGS	60
1105	HOWARD COVE STRIPER AND RV	88
T0261	HWY 27 FISHING VILLAGE	50
T0714	HWY 27 REC AREA	25
1094	J & J WATER SPORTS	50
1213	JUNIOR'S POLAR ICE BEEBE	30
T0294	KELLER'S COUNTRY DORM RESORT	50
T0295	KELLER'S KOVE RESORT	25
T0297	KETTLE CAMPGROUND	55
993	Lake Shore Cabins	78
T0330	LITTLE FIR LANDING	250
T1090	LOST BRIDGE MARINA	30
1090	LOST VALLEY CANOE AND LODGING	40
T0341	MANY ISLAND CAMP	200
T0870	MILLWOOD LANDING GOLF & RV RESORT	125

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
T0373	MOOSE LODGE 1953	220
N0073	MT VALLEY SPRING CO	25
T1068	NORFORK LAKE ESTATES-MOHR ADD	30
1220	NWS INC. WF0330 FAYETTEVILLE	30
1005	Oak Hill Lodge SGT	25
T0406	OZARK REGULAR BAPTIST CAMP	25
T0439	PONCA BIBLE CAMP	70
909	PRIMO WMSC0033 NASHVILLE	30
1071	PRIMO WMSC0171 CAMDEN	80
1176	PRIMO AKINS NF19 ROGERS	30
1238	PRIMO GLACIER HF122 CENTERTON	30
1239	PRIMO GLACIER HF127 BENTONVILLE	30
1236	PRIMO GLACIER OTW5 FAYETTEVILLE	60
N0212	PRIMO HF135 MOUNTAIN HOME	30
N0225	PRIMO NMKT2744 FT SMITH	30
N0173	PRIMO REFILL LLC SILOAM SPRINGS IGA	30
1113	PRIMO REFILL LLC WMNM5737 FAYETTEVILLE	30
1028	PRIMO REFILL LLC WMSC 4460 NLR	30
1011	PRIMO REFILL LLC WMSC0133 Ashdown	30
1151	PRIMO REFILL WMSC 0008 MORRILTON	30
1150	PRIMO REFILL WMSC1105 N LITTLE ROCK	30
1149	PRIMO REFILL WMSC157 SEARCY	30
N0197	PRIMO WMNM 2471 BENTONVILLE	30
N0223	PRIMO WMNM 2742 SPRINGDALE	80
1182	PRIMO WMNM 4686 BENTONVILLE	80
1174	PRIMO WMNM2431 SEARCY	30
1201	PRIMO WMNM2686 BENTONVILLE	30
1218	PRIMO WMNM3164 BENTONVILLE	30
1189	PRIMO WMNM4128 RUSSELLVILLE	30
1214	PRIMO WMNM4579 FT. SMITH	30
1219	PRIMO WMNM4654 MARION	80
1068	PRIMO WMNM5738 SPRINGDALE	30
1228	PRIMO WMNM5789 HOT SPRINGS	30
1229	PRIMO WMNM5790 HOT SPRINGS	30
1185	PRIMO WMNM6953 CENTERTON	80
1194	PRIMO WMNM6960 SILOAM SPRINGS	30
965	PRIMO WMS0058 RUSSELLVILLE	80
N0218	PRIMO WMSC0004 SILOAM SPRINGS	30
N0145	PRIMO WMSC0005 CONWAY	30
N0211	PRIMO WMSC0016 VAN BUREN	30

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
N0216	PRIMO WMSC0052 HOT SPRNGS	30
N0168	PRIMO WMSC0054 SPRINGDALE	60
N0140	PRIMO WMSC0067 0067	30
1153	PRIMO WMSC0083 MAGNOLIA	30
N0139	PRIMO WMSC0085 BENTON	30
N0156	PRIMO WMSC0100 WAL-100	30
N0142	PRIMO WMSC0102 STUTTGART	30
947	PRIMO WMSC0127 MALVERN	120
N0165	PRIMO WMSC0141 FT. SMITH	30
N0224	Primo WMSC0261 Hot Springs	30
977	PRIMO WMSC0358 ALMA	30
N0154	PRIMO WMSC0530 ELDORADO	30
N0152	PRIMO WMSC0714 W.HELENA	30
N0221	PRIMO WMSC1065 HOPE	30
1179	PRIMO WMSC3168 CONWAY	30
N0222	Primo WMSC3230 Bryant	30
N0240	PRIMO WMSC3231 GREENWOOD	30
918	PRIMO WMSC3331 PINE BLUFF	30
974	PRIMO WMSC336 SHERIDAN	30
929	PRIMO WMSC5244 LR	30
934	Primo WMSC5433 HSV	30
1167	PRIMO WMSC5706 LITTLE ROCK	80
PVT	Private Sample	
T1037	RIVERSIDE RESORT	250
T0467	RIVERSIDE RESORT AT KINGS RIVER	25
T0470	ROADRUNNER INN	25
T1085	RUSSELL'S RV PARK	165
925	SHADY OAK RV PARK	124
T1067	SHEPHERD OF THE OZARKS	30
1183	SPLASH CAR WASH MTN. VIEW	30
T0513	SPRING RIVER OAKS CAMP	25
T0526	SUPPLY COUNTRY STORE	150
T0322	THE LANGLEY STORE	25
T1108	THE ROADHOUSE	50
T0550	THREE OAKS RESORT	40
1244	TIGER ICE 1 CHARLESTON	30
T0592	USCOE BSWP129 BUCK CREEK	25
T0594	USCOE BSWP133 HIGHWAY 125	25
T0602	USCOE BWP 18 LOST BRIDGE SOUTH	25
T0601	USCOE BWP17 LOST BRIDGE	25

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
T0892	USCOE BWP29 STARKEY PARK	25
T0609	USCOE BWP33 LOST BRIDGE	25
T0612	USCOE DG ALPINE RIDGE	25
T0619	USCOE DG LENOX MARCUS	25
T0620	USCOE DG LOWER LAKE	25
T0622	USCOE DG OZAN POINT	25
T1035	USCOE NF PANTHER BAY	56
T0689	USCOE NFWP12 ROBINSON POINT	306
T0691	USCOE NFWP15 PANTHER BAY	66
T0692	USCOE NFWP18 HENDERSON	80
T0696	USCOE NFWP29 GAMALIEL	192
T0709	USCOE OC - BRADY MTN	100
T0718	USCOE OC - LITTLE FIR	100
T0763	USFS ALBERT PIKE REC AREA	200
T0770	USFS BLANCHARD	25
T0788	USFS HORSEHEAD BATHHOUSE	25
T0795	USFS LAKE WEDINGTON	50
T0806	USFS REDDING	25
T0810	USFS SHADY LAKE REC AREA 16661	25
T0814	USFS SHORES LAKE	25
T0821	USFS WHITE ROCK	35
970	VENTRIS TRAILS END RESORT	50
T0832	WAGON WHEEL RESTAURANT	150
T1106	WATER WAGON	25
N0084	WILDERNESS VALLEY SPRING	25
1192	YGAP ASHDOWN	30
1190	YGAP GLENWOOD	30
1191	YGAP prescott	30
1203	YGAP TEXARKANA 1	30
PWS type:PWS type: P		
N0180	4-H CENTER	40
N0103	AHTD HARRISON 9 HEADQUARTERS	90
N0129	AHTD MARION COUNTY	25
N0022	ALBEMARLE CORPORATION SOUTH	550
N0021	ALBEMARLE CORPORATION WEST	150
T0045	ARK ST PARK-QUEEN WILHELMENA	223
T1110	ARK STATE PARK MT MAGAZINE	128
N0237	CHRISTIAN MINISTRY ACADEMY	300
N0009	ENTERGY - INDEPENDENCE	150
N0032	Evergreen Packaging INC, Pine Bluff	950

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Appendix J - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
N0028	GEORGIA PACIFIC PAPER MILL	1400
N0214	GEORGIA PACIFIC WOOD PRODUCTS LLC	100
T1065	GREENWICH CENTER	30
1227	JLM VA HOSPITAL	4000
N0046	NAT CTR FOR TOXOLOGICAL RES	400
N0188	NW ARKANSAS REGIONAL AIRPORT	2668
1206	PECO Foods	30
N0189	R V A F TEXARKANA	120
N0057	REMINGTON ARMS COMPANY	1250
1175	ST. VINCENT INFIRMARY	2700
N0109	SW REGION WILDERNESS CAMP	41
N0088	THE GREAT PASSION PLAY	450
N0126	TRINITY BEHAVIORAL HEALTH	27
N0069	VISKASE CORPORATION	200
1123	WILSON GUN SHOP #2	150

Appendix K - Enforcement Actions

PWS type: C

PWS	System Name	Enforcement Action	Date Issued	Rule Violated
796	ADC EAST ARKANSAS REGIONAL	Warning of Administrative Order	6/14/2018	RTCR
796	ADC EAST ARKANSAS REGIONAL	Administrative Order	8/2/2018	RTCR
088	AMITY WATERWORKS	Warning of Administrative Order	6/14/2018	SWTR/RTCR/CCR
485	ARKANSAS HEALTH CENTER	Warning of Administrative Order	11/1/2018	DBP
441	ATKINS WATER SYSTEM	Administrative Order	2/2/2018	DBP
441	ATKINS WATER SYSTEM	Proposed Penalty	5/3/2018	DBP
377	BASSETT WATERWORKS	Warning of Administrative Order	9/5/2018	Lic/RTCR
377	BASSETT WATERWORKS	Administrative Order	10/15/2018	lic/RTCR
377	BASSETT WATERWORKS	Proposed Penalty	11/5/2018	Lic
497	BAUXITE WATER	Warning of Administrative Order	2/2/2018	DBP (lic)
039	BELLA VISTA P.O.A.	Warning of Administrative Order	8/1/2018	DBP
039	BELLA VISTA P.O.A.	Administrative Order	11/5/2018	DBP
887	BODCAW RURAL WATER SYSTEM	Administrative Order	5/3/2018	DBP
887	BODCAW RURAL WATER SYSTEM	Proposed Penalty	8/2/2018	DBP
660	CASA WATER DEPT	Warning of Administrative Order	2/2/2018	DBP
660	CASA WATER DEPT	Administrative Order	8/2/2018	DBP
043	CAVE SPRINGS WATERWORKS	Warning of Administrative Order	2/2/2018	DBp (lic)/RTCR
043	CAVE SPRINGS WATERWORKS	Administrative Order	3/13/2018	DBP (lic)
043	CAVE SPRINGS WATERWORKS	Proposed Penalty	8/2/2018	RTCR/lic
385	CLARENDON WATERWORKS	Administrative Order	8/2/2018	DBP (lic)

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Appendix K

Appendix K - Enforcement Actions

385	CLARENDON WATERWORKS	Proposed Penalty	9/6/2018	lic	
096	CORNING WATERWORKS	Warning of Administrative Order	2/2/2018	RAD	
096	CORNING WATERWORKS	Administrative Order	5/3/2018	RAD/PN	
620	COTTONSHED WATERWORKS	Administrative Order	3/13/2018	DBP (lic)	
813	COTTONWOOD WATER ASSOCIATION	Administrative Order	8/2/2018	RTCR/LCR/CCR	
143	DYER WATERWORKS	Warning of Administrative Order	5/2/2018	DBP/RTCR	
809	EAST LOGAN CO RURAL WATER	Administrative Order	2/2/2018	DBP	
809	EAST LOGAN CO RURAL WATER	Proposed Penalty	5/3/2018	DBP	
544	FAIRCREST WATER ASSOCIATION	Proposed Penalty	2/2/2018	DBP	
323	FOREMAN WATERWORKS	Warning of Administrative Order	11/1/2018	DBP	
358	FOUKE WATERWORKS	Warning of Administrative Order	2/2/2018	DBP (lic)	
358	FOUKE WATERWORKS	Administrative Order	3/13/2018	DBP (lic)	
358	FOUKE WATERWORKS	Proposed Penalty	4/6/2018	DBP (lic)	
625	FREE HOPE WATER ASSOCIATION	Administrative Order	1/2/2018	DBP (lic)	
625	FREE HOPE WATER ASSOCIATION	Proposed Penalty	3/13/2018	DBP (lic), PN, RTCR	
231	FULTON WATERWORKS	Warning of Administrative Order	2/2/2018	DBP (lic)	
231	FULTON WATERWORKS	Administrative Order	3/13/2018	DBP (lic)	
231	FULTON WATERWORKS	Proposed Penalty	4/6/2018	DBP (lic)	
047	GARFIELD WATERWORKS	Warning of Administrative Order	1/2/2018	DBP (lic)/RTCR	
154 (lic)/RTCR	GILMORE WATERWORKS	Warning of Administrative Order	5/2/2018	DBP	
154	GILMORE WATERWORKS	Administrative Order	6/14/2018	Lic/RTCR	

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422	GLENWOOD WATER DEPARTMENT	Administrative Order	9/5/2018	SWTR/RTCR	
696	GREASY VALLEY WPFB LOGAN CO.	Warning of Administrative Order	5/2/2018	DBP	
546	HARMONY WATER ASSOCIATION	Proposed Penalty	8/2/2018	DBP	
427	HEAFER-BLACK OAK WATER ASSOC	Warning of Administrative Order	4/6/2018	RTCR/CCR	
427	HEAFER-BLACK OAK WATER ASSOC	Administrative Order	5/3/2018	RTCR	
230	HOPE WATER LIGHT COMM	Administrative Order	8/2/2018	DBP	
518 (lic)/PN	HORATIO WATERWORKS		Proposed Penalty	2/2/2018	DBP
531	HUGHES WATERWORKS	Warning of Administrative Order	10/15/2018	RTCR	
531	HUGHES WATERWORKS	Administrative Order	12/14/2018	RTCR	
344	HUMNOKE WATERWORKS	Warning of Administrative Order	12/13/2018	RTCR	
010	HUMPHREY WATERWORKS	Warning of Administrative Order	2/2/2018	RTCR/GWR	
010	HUMPHREY WATERWORKS	Administrative Order	3/13/2018	RTCR	
010	HUMPHREY WATERWORKS	Proposed Penalty	5/3/2018	RTCR/GWR	
749	HWY 64 WATER ASSOCIATION	Warning of Administrative Order	5/2/2018	RTCR	
749	HWY 64 WATER ASSOCIATION	Administrative Order	12/14/2018	RTCR	
552	JUNCTION CITY WATERWORKS	Proposed Penalty	3/14/2018	DBP (lic), RTCR, PN	
373	KEISER WATERWORKS	Warning of Administrative Order	8/1/2018	RTCR	
373	KEISER WATERWORKS	Administrative Order	9/5/2018	RTCR	
726	LAKESHORE ESTATES WATER ASSN	Warning of Administrative Order	4/6/2018	RTCR/CCR	
726	LAKESHORE ESTATES WATER ASSN	Proposed Penalty	12/14/2018	RTCR/CCR	
688	LAWRENCE CO REG WATER DIST	Administrative Order	8/2/2018	RTCR	

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787	LITTLE RIVER CO RDA	Warning of Administrative Order	8/1/2018	DBP	
787	LITTLE RIVER CO RDA	Administrative Order	11/5/2018	DBP	
049	LOST BRIDGE VILL WAT-SEW DIST	Warning of Administrative Order	8/1/2018	DBP	
718	LURTON-PELSOR WATER ASSOC	Administrative Order	10/15/2018	RTCR	
770	MARION COUNTY REG WATER DIST	Warning of Administrative Order	2/2/2018	DBP	
770	MARION COUNTY REG WATER DIST	Administrative Order	5/3/2018	DBP	
770	MARION COUNTY REG WATER DIST	Proposed Penalty	8/2/2018	DBP	
637	MARVELL RURAL WATER ASSOC	Warning of Administrative Order	5/2/2018	RTCR	
637	MARVELL RURAL WATER ASSOC	Administrative Order	6/14/2018	RTCR	
637	MARVELL RURAL WATER ASSOC	Proposed Penalty	8/2/2018	RTCR/lic	
421	MARVELL WATERWORKS	Warning of Administrative Order	5/2/2018	RTCR	
421 LCR/RTCR	MARVELL WATERWORKS	Administrative Order	6/14/2018		
421 lic/RTCR/LCR	MARVELL WATERWORKS	Proposed Penalty	8/2/2018		
619	MAYNARD WATERWORKS	Administrative Order	1/2/2018	DBP (lic)	
589	MC RAE WATERWORKS	Warning of Administrative Order	1/2/2018	DBP (lic)	
589	MC RAE WATERWORKS	Administrative Order	2/2/2018	DBP (lic)	
773	MILLTOWN-WASHBURN WATER USERS	Warning of Administrative Order	8/1/2018	DBP	
773	MILLTOWN-WASHBURN WATER USERS	Administrative Order	11/5/2018	DBP	
951	MONTGOMERY CO REGIONAL PWA	Warning of Administrative Order	8/7/2018	DBP	
951	MONTGOMERY CO REGIONAL PWA	Administrative Order	11/5/2018	DBP	
709	MORRISON BLUFF WATER SYSTEM	Warning of Administrative Order	8/1/2018	DBP	

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709	MORRISON BLUFF WATER SYSTEM	Proposed Penalty	11/5/2018	DBP/SWTR
709	MORRISON BLUFF WATER SYSTEM	Administrative Order	11/27/2018	DBP/SWTR
392	MOUNT IDA WATERWORKS	Warning of Administrative Order	5/2/2018	DBP
392	MOUNT IDA WATERWORKS	Administrative Order	8/2/2018	DBP
392	MOUNT IDA WATERWORKS	Proposed Penalty	11/5/2018	DBP/PN
136	MULBERRY WATERWORKS	Administrative Order	2/2/2018	DBP
136	MULBERRY WATERWORKS	Proposed Penalty	5/3/2018	DBP
856	NAIL SWAIN WATER ASSOCIATION	Administrative Order	11/5/2018	RTCR
805	NASHVILLE RURAL WATER AUTHORITY	Warning of Administrative Order	11/1/2018	DBP
1075	NORTH HOWARD RURAL WATER ASSOCIATION	Administrative Order	8/2/2018	DBP/LCR
1075	NORTH HOWARD RURAL WATER ASSOCIATION	Administrative Order	11/5/2018	DBP
175	NORTHERN OHIO WATER ASSOC	Warning of Administrative Order	4/6/2018	RTCR/CCR
175	NORTHERN OHIO WATER ASSOC	Administrative Order	5/3/2018	RTCR
616	ODEN- PENCIL BLUFF WATER ASSN.	Warning of Administrative Order	5/2/2018	RTCR/DBP
616	ODEN- PENCIL BLUFF WATER ASSN.	Administrative Order	6/14/2018	RTCR
616	ODEN- PENCIL BLUFF WATER ASSN.	Proposed Penalty	8/3/2018	DBP/RTCR
753	OLD BELLA VISTA POA	Administrative Order	11/1/2018	DBP
559	OLD UNION WATER ASSOCIATION	Warning of Administrative Order	8/1/2018	DBP
580	PANGBURN WATERWORKS	Warning of Administrative Order	2/2/2018	SWTR/RTCR
580	PANGBURN WATERWORKS	Proposed Penalty	3/14/2018	SWTR/RTCR
328	PARIS WATERWORKS	Administrative Order	2/2/2018	DBP

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328	PARIS WATERWORKS	Proposed Penalty	5/3/2018	DBP	
019	PARKDALE WATERWORKS	Order	Warning of Administrative	1/2/2018	DBP (lic)
019	PARKDALE WATERWORKS		Administrative Order	2/2/2018	DBP (lic)
019	PARKDALE WATERWORKS		Proposed Penalty	3/14/2018	DBp (lic)
598	PATTERSON WATERWORKS	Warning of Administrative Order	9/5/2018	RTCR	
623	PERLA WATER ASSOCIATION	Administrative Order	5/3/2018	RTCR	
172	PICKENS WATERWORKS	Proposed Penalty	2/2/2018	DBP (lic)/RTCR/GWR	
573	PRAIRIE GROVE WATERWORKS	Warning of Administrative Order	8/1/2018	DBP	
354	PYATT WATERWORKS	Proposed Penalty	8/3/2018	RTCR/CCR/PN	
040	RAMBO WATER DISTRICT #1 INC	Administrative Order	2/2/2018	IOC (cyannide)	
040	RAMBO WATER DISTRICT #1 INC	Proposed Penalty	5/3/2018	IOC (cyanide)	
329	RATCLIFF WATERWORKS	Administrative Order	2/2/2018	DBP	
379	SANDRIDGE-BARDSTOWN WTR ASSOC	Warning of Administrative Order	9/5/2018	RTCR	
379	SANDRIDGE-BARDSTOWN WTR ASSOC	Administrative Order	10/15/2018	lic/RTCR	
379	SANDRIDGE-BARDSTOWN WTR ASSOC	Proposed Penalty	11/5/2018	lic	
265	SWIFTON WATERWORKS		Proposed Penalty	5/2/2018	Lic
882	SYLAMORE VALLEY WATER ASSN	Warning of Administrative Order	12/13/2018	RTCR	
846	TRI COUNTY RWDD - MOORES CHAPEL	Warning of Administrative Order	11/1/2018	DBP	
782	TRI-COUNTY WATER DISTBR DIST	Proposed Penalty	2/2/2018	DBP	
451	ULM WATERWORKS	Warning of Administrative Order	10/15/2018	lic/RTCR	
451	ULM WATERWORKS	Administrative Order	12/14/2018	RTCR	

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654	UNITED WATER ASSOCIATION	Proposed Penalty	2/2/2018	DBP/PN
137	VANDERVOORT WATERWORKS	Warning of Administrative Order	6/14/2018	RTCR
137	VANDERVOORT WATERWORKS	Administrative Order	8/2/2018	RTCR
137	VANDERVOORT WATERWORKS	Proposed Penalty	12/14/2018	RTCR
283	WABBASEKA WATERWORKS	Warning of Administrative Order	5/2/2018	DBP (lic)/RTCR
283	WABBASEKA WATERWORKS	Administrative Order	6/14/2018	Lic/RTCR
283	WABBASEKA WATERWORKS	Proposed Penalty	8/3/2018	lic/RTCR
298	WALNUT HILL WATER ASSOCIATION	Warning of Administrative Order	2/2/2018	DBP
298	WALNUT HILL WATER ASSOCIATION	Administrative Order	5/3/2018	DBP
574	WASHINGTON WATER AUTHORITY WWA	Warning of Administrative Order	8/1/2018	DBP
574	WASHINGTON WATER AUTHORITY WWA	Administrative Order	11/5/2018	DBP
779	WEST WOODRUFF WATER DISTRICT	Proposed Penalty	9/5/2018	RTCR
535	WHEATLEY WATERWORKS	Warning of Administrative Order	5/2/2018	DBP/PN
535	WHEATLEY WATERWORKS	Administrative Order	8/2/2018	DBP
535	WHEATLEY WATERWORKS	Proposed Penalty	11/5/2018	DBP/PN
650	WILLISVILLE WATERWORKS	Administrative Order	8/2/2018	licensing
642	WINTHROP WATER ASSOCIATION	Warning of Administrative Order	8/1/2018	DBP (lic)
642	WINTHROP WATER ASSOCIATION	Administrative Order	11/5/2018	DBP
383	YARBRO WATERWORKS	Warning of Administrative Order	1/2/2018	RTCR
383	YARBRO WATERWORKS	Administrative Order	4/6/2018	RTCR

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PWS type: N

PWS	System Name	Enforcement Action	Date Issued	Rule Violated
T1066	201 XPRESS	Warning of Administrative Order	10/15/2018	RTCR/PN
T0091	BROOKHILL RANCH	Warning of Administrative Order	8/1/2018	RTCR
T0965	BUFFALO NATRV U4-08 OZARK CG	Warning of Administrative Order	6/14/2018	RTCR
T0120	CAMP KIA KIMA	Proposed Penalty	9/6/2018	RTCR
T1076	ECHO CANYON RESORT & MARINA	Administrative Order	1/2/2018	RTCR/GWR
T1076	ECHO CANYON RESORT & MARINA	Proposed Penalty	2/2/2018	RTCR/GWR
T0215	FISH FIDDLE RESORT	Warning of Administrative Order	6/14/2018	RTCR
T0215	FISH FIDDLE RESORT	Administrative Order	8/2/2018	RTCR
989	FOODIE'S CAFÉ & CATERING	Warning of Administrative Order	5/2/2018	RTCR
989	FOODIE'S CAFÉ & CATERING	Administrative Order	6/14/2018	RTCR
989	FOODIE'S CAFÉ & CATERING	Proposed Penalty	11/5/2018	RTCR/PN
T0563	FREEDOM RV PARK	Warning of Administrative Order	11/1/2018	RTCR/PN
T0563	FREEDOM RV PARK	Administrative Order	12/14/2018	RTCR
972	GENERAL WATER CONDITIONING	Administrative Order	2/2/2018	RTCR
972	GENERAL WATER CONDITIONING	Proposed Penalty	12/14/2018	RTCR/PN
T1092	Lake Norfolk Ozark Mountain Lodge	Warning of Administrative Order	10/15/2018	RTCR/PN
T0472	ROCKING CHAIR RANCH	Proposed Penalty	5/3/2018	RTCR
T1097	ROOST YOUR WHEELS	Warning of Administrative Order	8/1/2018	RTCR
T0524	SUNRISE POINT RESORT	Proposed Penalty	8/3/2018	SWTR/RTCR
T0829	THE INN AT LOST BRIDGE	Warning of Administrative Order	9/5/2018	SWTR
T0588	USCOE BSWP109 TUCKER HOLLOW	Warning of Administrative Order	8/1/2018	RTCR

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T0589	USCOE BSWP110 TUCKER HOLLOW	Warning of Administrative Order	8/1/2018	RTCR
T0786	USFS GUNNER POOL	Warning of Administrative Order	6/14/2018	RTCR
949	WEST SHORE RESTAURANT	Warning of Administrative Order	8/1/2018	RTCR/PN
949	WEST SHORE RESTAURANT	Administrative Order	9/5/2018	RTCR/GWR/PN
T1105	WHEELIN' WORLD	Warning of Administrative Order	4/6/2018	RTCR/GWR

PWS type: P

PWS	System Name	Enforcement Action	Date Issued	Rule Violated
N0241	HUTCHINSON REALTY	Proposed Penalty	2/2/2018	ICR (F2; cyanide)
932	MOUNTAIN DEVELOPMENT	Administrative Order	2/2/2018	FI/IOC (cyanide)
932	MOUNTAIN DEVELOPMENT	Proposed Penalty	8/3/2018	cyanide/fluoride
1221	VETERANS HEALTH CARE SYSTEM OF THE OZARKS	Administrative Order	10/15/2018	SWTR