



Arkansas Department of Health

Drinking Water Program

Annual Report

Public Water System Supervision Program

Calendar Year 2021

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ABBREVIATIONS AND DEFINITIONS

ADH	Arkansas Department of Health
ARWA	Arkansas Rural Water Association
AWOP	Area Wide Optimization Program
CCCP	Cross-Connection Control Program
CCR	Consumer Confidence Report
CDP	Capacity Development Program
CPE	Comprehensive Performance Evaluations
CN	Consumer Notification
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
TMF	Technical, Managerial and Financial
TT	Treatment Technique
TTHM	Total Trihalomethanes
VOC	Volatile Organic Compounds

INTRODUCTION

Arkansas Land Use (2021 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 (2021 U. S. Census Bureau Estimate) 3,025,891

Population served by public water systems	2,991,962
Population served by surface water systems	2,025,708
Population served by ground water systems	795,577
Population served by ground & surface systems	170,677

% population served by community public water systems	98.8%
% population served by individual private wells or other source	1.2%

Total number of public water systems active during 2021 1044

Number of community public water systems	682
Number of transient non-community public water systems	329
Number of non-transient non-community public water systems	33
Number of systems using surface water	414
Number of systems using ground water	600
Number of systems using ground & surface	30

PURPOSE

The purpose of this report is to summarize the Arkansas Public Water System violation data submitted to the Safe Drinking Water Information System (SDWIS/FED) for the calendar year 2021. The data includes 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 2021 for contaminants and rules not shown in the violation tables.
- There were 1045 public water systems in operation during 2021. Six hundred and seventy seven (677) were community water systems, thirty (30) were non-transient, non-community water systems, and three hundred twenty seven (327) were transient non-community water systems and eleven (11) systems who are now inactive and non-public.
- A total of one hundred and eighty (180) major monitoring violations occurred for one hundred and two (102) public water systems during 2021. Eighty seven (87) violations were for forty four (44) community water systems, six (6) violation were for four (4) non-transient, non-community water systems, seventy eight (78) violations were for forty eight (48) transient non-community water systems, and nine (9) violations for six (6) systems who are now inactive and non-public.
- A total of two hundred and thirty three (233) Maximum Contaminant Level (MCL) or Treatment Technique (TT) violations were issued in 2021 for sixty four (64) systems. One hundred and eighty nine (189) violations for forty nine (49) community water systems, and one (1) violations for one (1) non-transient, non-community water systems, five (5) violations for four (4) transient non-community water systems and thirty eight (38) violations for ten (10) systems which are now inactive and non-public.
- No variances or exemptions were issued to any public water system in Arkansas during the calendar year 2021.
- 97.6% 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 byproducts of the disinfection process and decay of naturally occurring organic material such as leaves. 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.
- 100% of the community public water systems in Arkansas did not exceed the radium-226/228 MCL or either of the individual MCL's.
- There were three (3) inorganic chemical (MCL) violations for two (2) community water 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%	98.8	98.8
Person months exposure	7819	421492	429311
Person months possible	34843068	34843068	34843068

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

There were no discrepancies identified between the Federal database (**violation reports for calendar year 2021**) 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 2021 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)

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 tech >Turbidity 0.3 NTU in more than 5% of monthly CFE samples)

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	0/0/0/0	0/0/0/0				
Arsenic	1005	0.010	0/0/0/0	0/0/0/0				
Cyanide	1024	0.2	0/0/0/0	0/0/0/0				
Subtotal			0/0/0/0	0/0/0/0				

	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				111/110/0/1	21/20/0/1		
Stage 1 DBPR	0999						4/2/0/2	6/04/0/2
Long Term 2 Enhanced Surface water treatment rule	0999						0/0/0/0	0/0/0/0
Chlorite	1009	1.0	0/0/0/0	0/0/0/0			2/2/0/0	2/2/0/0
Total Haloacetic Acids (HAA5)	2456	0.060	2/2/0/0	1/1/0/0				
Total Organic Carbon	2920				0/0/0/0	0/0/0/0		
Total Trhhalomethanes (TTHM)	2950	0.080	63/63/0/0	23/23/0/0				
Subtotal			65/65/0/0	24/24/0/0	111/110/0/1	21/20/0/1	6/4/0/2	8/6/0/2

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)

TCR / 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
RTCR MCL violations	1A	Presence	2/2/0/0	2/2/0/0				
RTCR Treatment Technique	2A				2/2/0/0	2/2/0/0		
RTCR Treatment Technique	2B				0/0/0/0	0/0/0/0		
RTCR Treatment Technique	2C				1/1/0/0	1/1/0/0		
RTCR Treatment Technique	2D				6/0/6/0	5/0/5/0		
RTCR monitoring major	3A						112/47/62/3	72/28/42/2
RTCR monitoring minor	3A						36/36/0/0	30/30/0/0
RTCR monitoring major	3B						0/0/0/0	0/0/0/0
RTCR monitoring minor	3B						0/0/0/0	0/0/0/0
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						18/18/0/0	5/5/0/0
RTCR other	5B						0/0/0/0	0/0/0/0
Subtotal			2/2/0/0	2/2/0/0	9/3/6/0	8/3/5/0	166/101/62/3	107/63/42/2

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
SWTR/GWR/Interim Enhanced								
<u>Filtered Systems</u>								
Monitoring, routine/repeat	36						3/3/0/0	2/2/0/0
Monitoring, routine/filter turbidity	38						1/1/0/0	1/1/0/0
Treatment techniques	41				12/12/0/0	5/5/0/0		
Failure to filter	42				0/0/0/0	0/0/0/0		
Treatment Tech > Turb 1 NTU	43				0/0/0/0	0/0/0/0		
Treatment Tech > Turb 0.3 NTU	44				0/0/0/0	0/0/0/0		
Subtotal					12/12/0/0	5/5/0/0	4/4/0/0	3/3/0/0

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/ Consumer Notice	
			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						43/43/0/0	43/43/0/0
Treatment Installation	58				0/0/0/0	0/0/0/0		
Public education	65				0/0/0/0	0/0/0/0		
Subtotal					0/0/0/0	0/0/0/0	24/24/0/0	24/24/0/0

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						152/118/0/0	118/118/0/0
Consumer Confidence Report	72						12/12/0/0	11/11/0/0
Public Notification	75						178/178/0/0	58/58/0/0
Subtotal							342/308/0/0	229/229/0/0

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	0/0/0/0	0/0/0/0			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			0/0/0/0	0/0/0/0			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 Confidence Report: Every community water system is required to deliver to its customers a brief annual water quality report, called Consumer Confidence 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.

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 provide specific information to its customers. These include the annual CCR, notice of all violations incurred and lead/copper exceedances to all customers. In addition, individual lead and copper tap sample results are required to be provided to the customer from which the sample was collected.

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.

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].

After consultation with EPA, States must report monitoring violations that are significant as determined by the EPA Administrator. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are collected 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 pCi/L. 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 2021 PWS Annual Compliance Report, is January 1, 2021 through December 31, 2021.

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.

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 2021.

ENFORCEMENT DEFINITIONS

The Arkansas Department of Health has developed a multi stage enforcement escalation scheme which pair's technical assistance with multiple opportunities to return to compliance. The ADH 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 Orders 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 2021.

Community Public Water Systems

State Formal Notification of Violation (SFJ).....	17
Administrative Orders Issued (SFL).....	22
Proposed Penalties Issued (SFN).....	2
Penalties Suspended – Board of Health (SFO).....	0
Penalties Assessed – Bilateral Compliance Agreements (SFK).....	17
Penalties Assessed – Board of Health (SFM).....	22
Total Enforcement Actions for CWSS.....	80

Non-Transient Non-Community Systems

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

Transient Non-Community Systems

State Formal Notification of Violation (SFJ).....	3
Administrative Orders Issued (SFL).....	4
Proposed Penalties Issued (SFN).....	0
Penalties Suspended – Board of Health (SFO).....	0
Penalties Assessed – Bilateral Compliance Agreements (SFK).....	0
Penalties Assessed – Board of Health (SFM).....	5
Total Enforcement Actions for Transient NC.....	12

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 2021. Arkansas Rural Water Association was awarded the Technical and Operational contract to assist small public water systems achieve TMF capacity, while Communities Unlimited was awarded the Financial and Managerial contract. 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 2021, Arkansas Rural Water Association assisted in 500 hours of technical assistance in the Technical and Operational contract. Communities Unlimited provided 1,045.25 hours of technical assistance in the Financial and Managerial contract. Some examples of direct assistance hours provided by the Contractors include regionalization efforts, 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 6/7 Area Wide Optimization Program (AWOP) with the States of New Mexico, Oklahoma, Louisiana, Texas, Missouri, Kansas and Iowa along with EPA Region 6 staff, EPA Region 7 staff and EPA Technical Support Center Staff. During calendar year 2021, program staff from Minnesota, Wisconsin and EPA Region 5 participated in the EPA Region 6/7 meetings. During Calendar year 2021 due to COVID, all meetings were conducted remotely. ADH staff members participated in three AWOP quarterly meetings and the National AWOP meeting. ADH staff participated with sharing 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. The program was short on staffing in 2021, however, with more office time due to COVID travel restrictions, data entry from May 2020 through November 2021 was completed.

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 2021, there were approximately one hundred forty one (141) sanitary surveys performed. One hundred and one (101)

Sanitary Surveys were performed on the state's community water systems, thirty six (36) Sanitary Surveys were performed on transient non-community water systems, four (4) 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 rules, 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. 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 in sponsoring technical tracks at the annual conferences for both the Arkansas Water Works and Water Environment Association and the Arkansas Rural Water Association. The 2021 AWW&WEA conference was cancelled due to the pandemic. At the 2021 ARWA conference, the Engineering section sponsored an exhibit hall informational booth but was not requested to provide any technical presentations for their pandemic abbreviated program agenda.

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. At the close of 2021, 431/687 Community Public Water Systems serving 2,050,577 people have reached substantial implementation status. This represents 63.0% of the community PWS and 78.1% of the population that they serve in Arkansas.

The source water assessment program staff level remains at 50% of previous years. It included 2 geologists all year (Darcia Routh, Evelyn Kort), 1 GIS EHS for 7 months (Kyle Johnson January - July).

SWAP staff completed a total of six (6) Phase I Delineation Wellhead Protection (WHP) reports covering thirty-two (32) wells and no (0) Phase II Potential Sources of Contamination (PSOC) Inventory WHP reports covering no (0) Wellhead protection areas were completed. In addition, Arkansas Rural Water Association source water protection staff, with technical assistance such as map production and permitted site locations, completed two (2) source water protection plans covering surface water sources with nineteen (19) PSOC maps created by ADH.

Staff gave 22 SWP presentations, wrote 3 Newsletter articles, participated with other agencies regarding source water protection 137 times, provided fourteen (14) well recommendations or well cuttings review, provided 184 hydrogeological & related technical assistance, including 9 field visits, sent 123 updates for source water assessment reports/12 historical source water assessment reports, and provided technical assistance to public water suppliers at least 100 times. SWP staff conducted 345 miscellaneous reviews of environmental permits. Staff responded to at least 75 requests 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 and water quality in the state.

Collection and verification of data for accurate and improved source water assessments has been ongoing since 2003. SWPP staff continued to maintain the existing source water assessment GIS database in 2021. Edits to the model focused on converting the existing model to better function for Groundwater PWSs and completing the SWAP reports for Groundwater PWSs. Geologists recalculated all recharge weights and staff met regularly with USGS to troubleshoot issues. 123 Updated SWAP Reports for groundwater systems were completed & distributed with documentation and resources for moving to substantial implementation. Drinking water protection signs with specific spill reporting information were distributed to 6 PWS for 14 wells and 3 surface sources.

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 and some systems improve their CCCP.

During 2021, staff made thirty (30) CCCP surveys at water utilities. One visit was made to a conference to provide CCCP presentations and training. One engineer supervisor 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. Four (4) quarterly BPAA seminars were attended and a program update was presented at each. Three (3) positions were associated with surveying and providing technical assistance to water systems pertaining to their CCCP but there is one (1) vacancy for the later part of the year. Due to the current number of vacant positions, it is anticipated that in 2022, the number of staff associated with surveying the CCCP of water systems will be reduced.

In addition to providing technical support to district engineering staff, staff completed two hundred thirty-three (233) review/comment/approve (RCA) 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 2021, no CPE's were conducted. The focus on DBP technical assistance resulted in the use of targeted technical assistance instead of conducting CPE's. DBP Technical assistance was limited in 2021 by COVID travel restrictions but DBP technical assistance activities were conducted at Dyer, El Dorado, Harmony, SAWS, Bodcaw Rural, Danville, Johnson Township, and Old Union. Due to lack of district staff, the AWOP staff conducted or assisted with six (6) surface water system sanitary surveys (Clinton, Gillham Regional, Hot Springs Village, Montgomery County, Murfreesboro, and Sevier County). The AWOP staff also completed twenty-one (21) RCA plan review assignments of non-fire sprinkler plans due to a lack of district staff.

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 2021 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. By the end of 2021, the second round of monitoring was completed for almost all public water systems in Arkansas. *Cryptosporidium* analyses continue to be outsourced to a private lab (i.e., IEH-BioVir Laboratories which was purchased by Analytical Services, Inc. at the end of April 2020). 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. Through the end of 2021, three (3) LT2-specific violations have been levied by Arkansas since treatment monitoring began in 2012.

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 had to begin "no later than 6 years following initial bin classification," and theirs began in October 2020. Samples have been collected and analyzed. To date, only one *Cryptosporidium* oocyst has been detected in their monthly samples. Sampling will continue into 2022.

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. Seventeen (17) of these small systems with twenty (20) sources triggered *Cryptosporidium* sampling which began in July 2018. Two other systems also began

Cryptosporidium monitoring in July 2018, but these two were 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. One additional small system began *Cryptosporidium* monitoring in February of 2019 at a proposed new source for a proposed new water treatment plant. Sampling there was completed in 2020.

Of the seventeen (17) small systems with twenty (20) sources that triggered Round 2 *Cryptosporidium* sampling based on their *E. coli* results, all LT2ESWTR sampling has been completed at fifteen (15) systems with seventeen (17) sources. Round 1 sampling was also completed in 2020 for the other three (3) sources cited above (i.e., one new small system intake, one proposed large system intake, and one proposed small system intake). To date, no additional Bin 2 sources have been identified.

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 2021, one (1) water systems with results exceeding 80 ppb for TTHM and/or 60 ppb HAA5 was placed on increased monitoring. To gather more representative DBP data or replace sample sites, twenty-two (22) 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 2021, a total of fifty-six (56) OEL exceedance notifications were issued, and sixty-seven (67) OEL reports were received.

Ground Water Rule (GWR): During the 2021 calendar year, nineteen (19) 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. Two (2) violations were issued for failure to maintain CT or for failure to conduct compliance monitoring. RTCR sampling data was reviewed daily for six hundred sixty two (662) ground water systems with a total of one thousand one hundred twelve (1112) ground water well sources during the 2022 calendar year. From this subset of systems approximately one hundred ninety-four (194) routine distribution system samples tested total coliform positive and triggered source water monitoring was necessary. A total of one (1) system sources tested *E. coli* positive and required additional raw water *E. coli* monitoring. One (1) 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 one hundred thirteen (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.
- Following up on citizen inquiries regarding drinking water quality.

Tank data was collected from storage tanks at Danville, Hot Springs Village, Russellville, Tri County, and Van Buren County.

Area Wide Optimization Program related activities such as Targeted Technical Assistance was used to address issues with RTCR, Iron, Manganese, corrosion control, various SWTR(S) issues, CT, chlorine dioxide, and chloramines. Systems involved in AWOP activities in addition to those systems listed under disinfection byproduct technical assistance above: Arkadelphia, Clinton, Danville, Eudora, Mena, Sevier County, and Yellville.

Additionally, for the past several summers, the Engineering Section has employed one or more summer interns to check calibration of monitoring equipment, specifically turbidity, pH, and chlorine, at water systems throughout the state.

Water Operator Licensing and Training

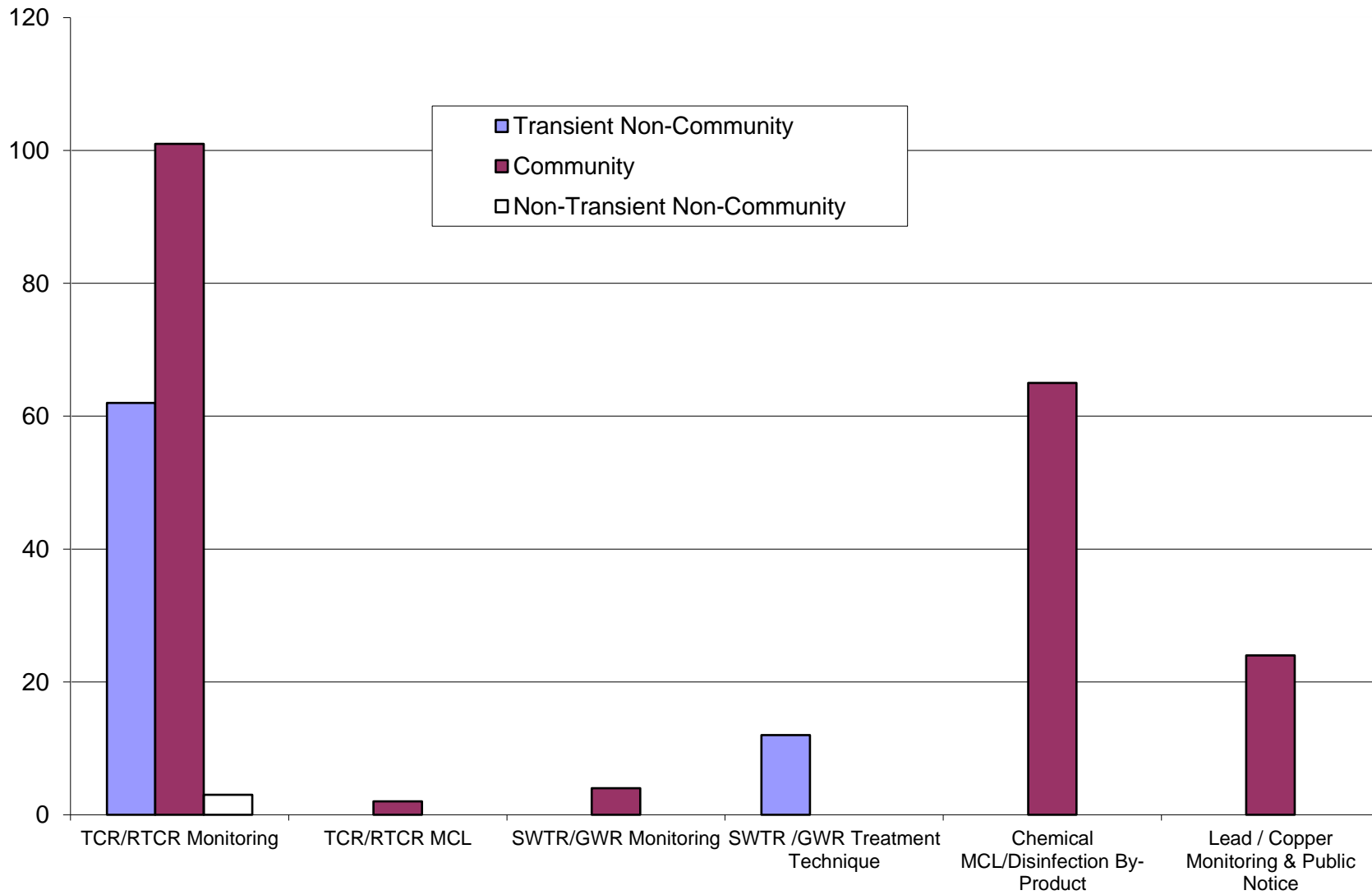
The purpose of licensing and training water operators is to ensure that all public water systems in the State of Arkansas are maintained by personnel who have shown their competence and knowledge of the public health and scientific principles necessary to produce and deliver adequate quantities of water 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 thirty six (36) classroom courses in calendar year 2021. In addition, AETA conducted twenty four (24) internet based mandatory training courses in calendar year 2021. The Arkansas Rural Water Association provided twenty-four (24) courses in calendar year 2021. 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 twelve (12) times in calendar year 2021. A total of eighty-four (84) training sessions were offered by the three approved training organizations in calendar year 2021. The impact of the pandemic on the number of courses were less significant in 2021. AETA utilized distance education technology adopting a hybrid model of in-person attendance at the training center combined with live virtual attendance for many of their mandatory courses. Both trainers primarily used their training centers during the year with the Engineering Section providing the Compliance Course in those same locations.

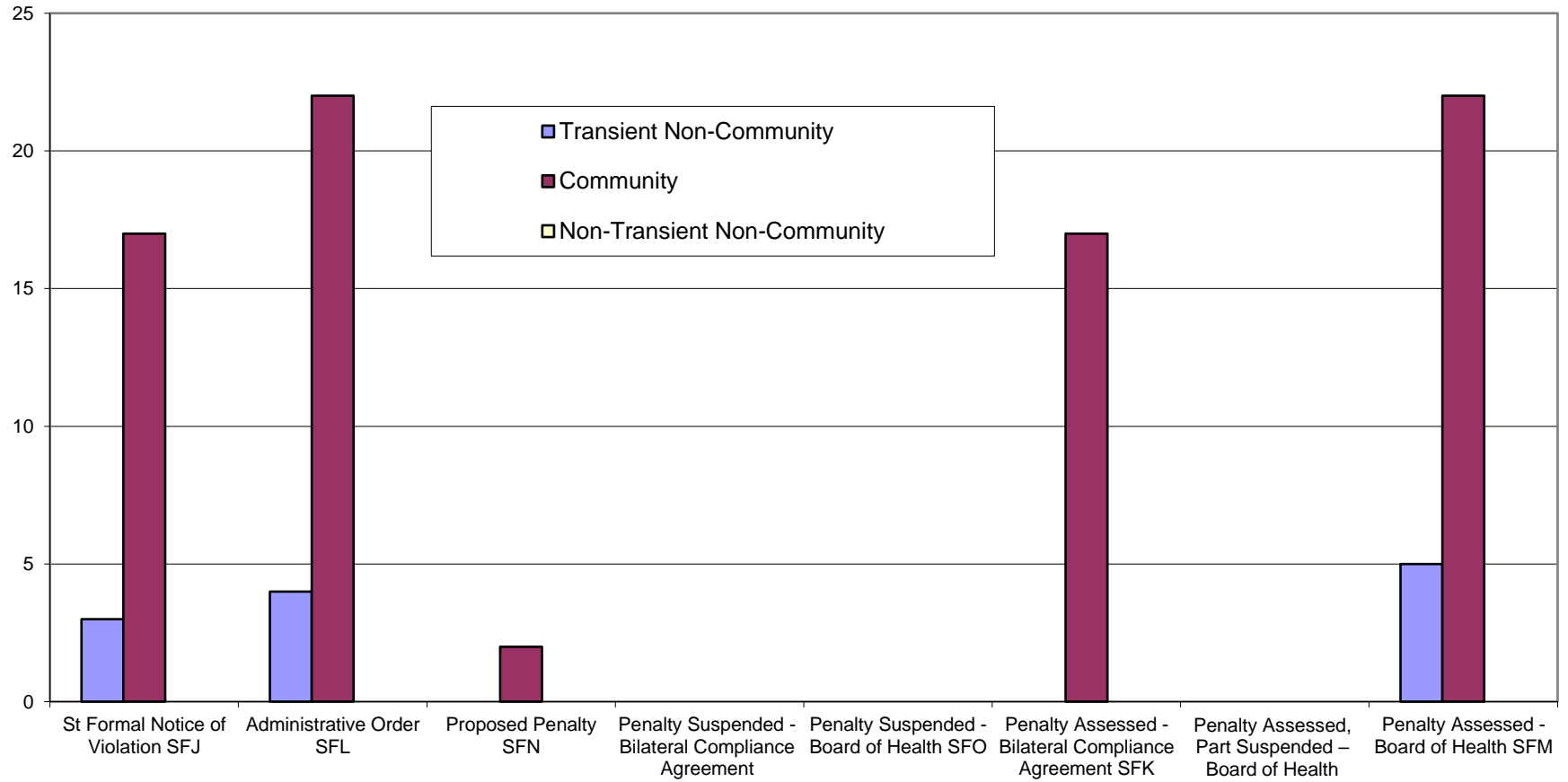
A large number of approved general and specialized training courses are provided to assist licensed operator in meeting their continuing education requirements for license renewal. The courses are offered through conferences, general meetings, and workshops. They are provided by the Arkansas Water Works and Water Environment Association and its local training districts, the Arkansas Rural Water Association; the Arkansas Environmental Training 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. Much of the trainings returned to in-person by the end of the calendar year, but distance learning concepts/technologies have become a significant contributor to the available continuing education for license renewal.

In calendar year 2021, the pandemic reduced the number of licenses exams rebounded significantly with approximately six hundred twenty (620) water operator license exams were administered, two hundred forty-one (241) water operator licenses were issued, and sixty-one (61) 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 two thousand two hundred sixty-four (2264) active licensed water operators or OIT certificates at the end of calendar year 2021. They held three thousand two hundred seventy-five (3275) treatment, distribution, and/or very small system licenses or OIT certificates.

Violations By Type Of System Graph



Enforcement Actions By Type Of System Graph



APPENDICES

Appendix A - Microbiological Maximum Contaminant Level Violations

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
884	HOSANNA HEIGHTS WATER	1A	10/1/2021	52
301	HOXIE WATER DEPARTMENT	1A	6/1/2021	2678

Appendix B - Microbiological Monitoring - No Valid Samples

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
315	ADC - CUMMINS UNIT MAINT	3A	6/1/2021	3800
006	ALMYRA WATERWORKS	3A	10/1/2021	348
178	BOIS D'ARC WATER SYSTEM	3A	1/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	2/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	3/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	4/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	5/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	6/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	7/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	10/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	11/1/2021	53
178	BOIS D'ARC WATER SYSTEM	3A	12/1/2021	53
737	BUENA VISTA-OGEMAW WATER	3A	7/1/2021	384
213	CENTER GROVE WATER ASSOCIATION	3A	10/1/2021	4377
647	CHESTER WATER WORKS	3A	10/1/2021	205
101	COMMUNITY WATER SYSTEM	3A	5/1/2021	17412
669	COMPTON WATERWORKS	3A	1/1/2021	811
147	CONCORD WATER & SEWER PFB	3A	6/1/2021	3020
147	CONCORD WATER & SEWER PFB	3A	12/1/2021	3020
813	COTTONWOOD WATER ASSOCIATION	3A	5/1/2021	720
670	DEER WATER ASSOCIATION	3A	5/1/2021	882
715	EAST MONROE COUNTY WATER USERS	3A	10/1/2021	762
768	EAST NEWTON COUNTY WATER ASSN	3A	1/1/2021	1798
567	ELKINS WATERWORKS	3A	10/1/2021	3473
525	EVENING SHADE WATERWORKS	3A	9/1/2021	750
T1101	GRASSY KNOB SUBORDINATE SD	3A	5/1/2021	65
T1101	GRASSY KNOB SUBORDINATE SD	3A	8/1/2021	65
504	GREENWOOD WATERWORKS	3A	4/1/2021	8952
159	HICKORY RIDGE WATERWORKS	3A	2/1/2021	280
884	HOSANNA HEIGHTS WATER	3A	2/1/2021	52
884	HOSANNA HEIGHTS WATER	3A	7/1/2021	52
884	HOSANNA HEIGHTS WATER	3A	8/1/2021	52
884	HOSANNA HEIGHTS WATER	3A	11/1/2021	52
344	HUMNOKE WATERWORKS	3A	6/1/2021	290
010	HUMPHREY WATERWORKS	3A	1/1/2021	602
010	HUMPHREY WATERWORKS	3A	12/1/2021	602

Appendix B - Microbiological Monitoring - No Valid Samples

749	HWY 64 WATER ASSOCIATION	3A	11/1/2021	215
749	HWY 64 WATER ASSOCIATION	3A	12/1/2021	215
781	INDIAN SWITCH RURAL WATER ASSN	3A	11/1/2021	674
377	JOINER RURAL WATER	3A	2/1/2021	335
377	JOINER RURAL WATER	3A	3/1/2021	335
582	JUDSONIA WATERWORKS	3A	9/1/2021	3028
827	KINGS HILL ESTATES	3A	6/1/2021	25
869	KINGWOOD MHP	3A	4/1/2021	64
706	KROOKED KREEK WATER ASSN	3A	5/1/2021	2153
824	LAKE TABLE ROCK ESTATES	3A	11/1/2021	33
824	LAKE TABLE ROCK ESTATES	3A	12/1/2021	33
420	LAKE VIEW MUNICIPAL WATER	3A	11/1/2021	500
420	LAKE VIEW MUNICIPAL WATER	3A	12/1/2021	500
726	LAKESHORE ESTATES WATER ASSN	3A	8/1/2021	634
793	LAURELWOOD HOMEOWNERS	3A	5/1/2021	90
793	LAURELWOOD HOMEOWNERS	3A	10/1/2021	90
747	LEISURE HILLS MOBILE HOME PARK	3A	1/1/2021	95
747	LEISURE HILLS MOBILE HOME PARK	3A	2/1/2021	95
747	LEISURE HILLS MOBILE HOME PARK	3A	8/1/2021	95
327	MAGAZINE WATERWORKS	3A	2/1/2021	1000
327	MAGAZINE WATERWORKS	3A	7/1/2021	1000
256	MELBOURNE WATERWORKS	3A	12/1/2021	3600
042	MOCKINGBIRD HILL WATER ASSOC	3A	5/1/2021	860
042	MOCKINGBIRD HILL WATER ASSOC	3A	6/1/2021	860
681	MORNING STAR WATER ASSOCIATION	3A	5/1/2021	1284
392	MOUNT IDA WATERWORKS	3A	5/1/2021	3218
176	MOUNTAIN PINE WATERWORKS	3A	10/1/2021	770
856	NAIL SWAIN WATER ASSOCIATION	3A	5/1/2021	930
753	OLD BELLA VISTA POA	3A	8/1/2021	105
412	PERRY WATER SYSTEM	3A	9/1/2021	658
121	PLUMERVILLE WATERWORKS	3A	10/1/2021	826
018	PORTLAND WATERWORKS	3A	2/1/2021	430
354	PYATT WATERWORKS	3A	12/1/2021	225
379	SANDRIDGE-BARDSTOWN WTR ASSOC	3A	2/1/2021	143
379	SANDRIDGE-BARDSTOWN WTR ASSOC	3A	3/1/2021	143
379	SANDRIDGE-BARDSTOWN WTR ASSOC	3A	5/1/2021	143
815	SOUTH MOUNTAIN WATER ASSN	3A	5/1/2021	828
166	SPARKMAN WATERWORKS	3A	2/1/2021	1178
283	WABBASEKA WATERWORKS	3A	3/1/2021	286

Appendix B - Microbiological Monitoring - No Valid Samples

283	WABBASEKA WATERWORKS	3A	6/1/2021	286
283	WABBASEKA WATERWORKS	3A	10/1/2021	286
639	WALKERVILLE WATER ASSOCIATION	3A	11/1/2021	547
538	WIDENER WATERWORKS	3A	1/1/2021	678
686	WILBURN WATER ASSOCIATION	3A	8/1/2021	773
529	WILLIFORD WATERWORKS	3A	2/1/2021	105
187	WILMAR WATERWORKS	3A	9/1/2021	809
383	YARBRO WATERWORKS	3A	10/1/2021	392

PWS type: N

PWS	System Name	SDWIS Code	Violation Date	Retail population
T1105	3B OFF ROAD, LLC	3A	9/1/2021	25
N0235	ALEXA SPRINGS WATER COMPANY	3A	11/1/2021	25
1155	BLUE BELL CAFE	3A	2/1/2021	25
1155	BLUE BELL CAFE	3A	5/1/2021	25
988	Brentwood Rest Area WVM	3A	1/1/2021	30
988	Brentwood Rest Area WVM	3A	3/1/2021	30
988	Brentwood Rest Area WVM	3A	5/1/2021	30
988	Brentwood Rest Area WVM	3A	12/1/2021	30
931	CEDAR RIDGE COUNTRY CUPBOARD	3A	12/1/2021	25
N0186	CULLIGAN WATER CONDITIONING	3A	12/1/2021	30
1245	FALLING WATER HORSE CAMP	3A	9/1/2021	50
1251	FOURCHE MOUNTAIN ADVENTURES	3A	9/1/2021	50
942	FRED BERRY CONSERVATION ED CTR	3A	9/1/2021	25
T0563	FREEDOM RV PARK	3A	2/1/2021	25
972	GENERAL WATER CONDITIONING	3A	2/1/2021	30
972	GENERAL WATER CONDITIONING	3A	5/1/2021	30
1161	GLACIER WATER FAMD3377 FT. SMITH	3A	2/1/2021	30
1253	HILLBILLY SLIMS	3A	2/1/2021	25
945	HOT SPRINGS ORV PARK	3A	2/1/2021	80
1105	HOWARD COVE RV	3A	7/1/2021	88
1094	J & J WATER SPORTS	3A	6/1/2021	50
1213	JUNIOR'S POLAR ICE BEEBE	3A	6/1/2021	30
T0297	KETTLE CAMPGROUND	3A	11/1/2021	55
T0381	KWIK SERV	3A	2/1/2021	500
T0381	KWIK SERV	3A	12/1/2021	500
T0313	LAKE NORFORK INN	3A	7/1/2021	25
T0313	LAKE NORFORK INN	3A	12/1/2021	25
T1092	Lake Norfolk Ozark Mountain Lodge	3A	7/1/2021	25

Appendix B - Microbiological Monitoring - No Valid Samples

T1092	Lake Norfolk Ozark Mountain Lodge	3A	7/1/2021	25
T0316	LAKESIDE COUNTRY CLUB	3A	5/1/2021	120
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	1/1/2021	30
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	2/1/2021	30
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	3/1/2021	30
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	4/1/2021	30
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	5/1/2021	30
1252	NATURAL PURE 1 HOLIDAY ISLAND	3A	6/1/2021	30
T1068	NORFORK LAKE ESTATES-MOHR ADD	3A	9/1/2021	25
1220	NWS INC. WF0330 FAYETTEVILLE	3A	10/1/2021	30
N0212	PRIMO HF135 MOUNTAIN HOME	3A	12/1/2021	30
1145	PRIMO REFILL LLC WMSC0062	3A	2/1/2021	30
1207	PRIMO WMNM 4375 SPRINGDALE	3A	3/1/2021	30
1224	PRIMO WMNM4516 FAYETTEVILLE	3A	3/1/2021	30
N0216	PRIMO WMSC0052 HOT SPRNGS	3A	3/1/2021	30
1205	PRIMO WMSC0055 BOONEVILLE	3A	11/1/2021	30
T0472	ROCKING CHAIR RANCH	3A	5/1/2021	25
T1097	ROOST YOUR WHEELS	3A	5/1/2021	100
T1097	ROOST YOUR WHEELS	3A	10/1/2021	100
T1097	ROOST YOUR WHEELS	3A	11/1/2021	100
928	SADDLER FALLS RESORT	3A	6/1/2021	30
928	SADDLER FALLS RESORT	3A	7/1/2021	30
928	SADDLER FALLS RESORT	3A	9/1/2021	30
T1071	SHADY GROVE STORE	3A	12/1/2021	30
T1067	SHEPHERD OF THE OZARKS	3A	5/1/2021	25
958	SOUTHFORK RESORT	3A	6/1/2021	50
958	SOUTHFORK RESORT	3A	7/1/2021	50
1183	SPLASH CAR WASH MTN. VIEW	3A	2/1/2021	30
T1109	SUGAR CREEK LODGE	3A	12/1/2021	25
T0931	T & A SALOON & IRON HORSE STABLES	3A	5/1/2021	25
T0931	T & A SALOON & IRON HORSE STABLES	3A	6/1/2021	25
T0931	T & A SALOON & IRON HORSE STABLES	3A	7/1/2021	25
855	TWIN OAKS MOBILE HOME PARK	3A	5/1/2021	37
949	WEST SHORE RESTAURANT	3A	7/1/2021	150

PWS type: P

PWS	System Name	SDWIS Code	Violation Date	Retail population
1243	HAPPY FEET LEARNING CENTER	3A	2/1/2021	42
N0241	HUTCHINSON REALTY	3A	2/1/2021	28 932
932	MOUNTAIN DEVELOPMENT	3A	1/1/2021	50
932	MOUNTAIN DEVELOPMENT	3A	12/1/2021	50

Appendix C - Microbiological Monitoring - Failure to address an RTCR Assessment

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
388	HOLLY GROVE WATERWORKS	2A	12/1/2020	1010
639	WALKERVILLE WATER ASSOCIATION	2A	11/1/2021	547

Appendix D - Surface Water Treatment Rule Monitoring

PWS type: C

<i>PWS</i>	<i>System Name</i>	<i>SDWIS Code</i>	<i>Violation Date</i>	<i>Retail population</i>
787	LITTLE RIVER CO RDA	36	1/1/2021	4279
681	MORNING STAR WATER ASSOCIATION	36	10/1/2021	1284
681	MORNING STAR WATER ASSOCIATION	36	11/1/2021	1284

Appendix E - 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	2/28/2021	925
603	DANVILLE WATERWORKS	41	1/31/2021	2810
603	DANVILLE WATERWORKS	41	1/31/2021	2810
603	DANVILLE WATERWORKS	41	2/28/2021	2810
603	DANVILLE WATERWORKS	41	11/30/2021	2810
603	DANVILLE WATERWORKS	41	12/31/2021	2810
884	HOSANNA HEIGHTS WATER	41	3/31/2021	52
884	HOSANNA HEIGHTS WATER	41	7/31/2021	52
884	HOSANNA HEIGHTS WATER	41	8/31/2021	52
327	MAGAZINE WATERWORKS	41	9/30/2021	1000
327	MAGAZINE WATERWORKS	41	10/31/2021	1000
056	SILOAM SPRINGS WATERWORKS	41	7/31/2021	17148

PWS type: N

PWS	System Name	SDWIS Code	Violation Date	Retail population
T1076	ECHO CANYON RESORT & MARINA	41	6/30/2021	30

Appendix F - Chemical Maximum Contaminant Level Violation

PWS type: C

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail population
600	BELLEVILLE WATER	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	1103
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	1430
887	BODCAW RURAL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	10/1/2021	1430
653	BRANCH WATER WORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	480
653	BRANCH WATER WORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	480
653	BRANCH WATER WORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	480
661	CHICOT JUNCTION WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	681
661	CHICOT JUNCTION WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	681
661	CHICOT JUNCTION WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	10/1/2021	681
603	DANVILLE WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	2810
603	DANVILLE WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	2810
143	DYER WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	1010

Appendix F - Chemical Maximum Contaminant Level Violation

<i>PWS ID</i>	<i>System Name</i>	<i>SDWIS Code</i>	<i>Violation Definition</i>	<i>Violation Date</i>	<i>Retail population</i>
143	DYER WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	1010
550	EL DORADO WATERWORKS	1094	Maximum Contaminant Level Violation for Asbestos	1/1/2021	17932
016	FOUNTAIN HILL WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	890
016	FOUNTAIN HILL WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	890
505	HACKETT WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	990
505	HACKETT WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	990
505	HACKETT WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	990
505	HACKETT WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	990
546	HARMONY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	336
546	HARMONY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	336
546	HARMONY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	336
508	HUNTINGTON WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	490
640	JOHNSON TOWNSHIP WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	600
640	JOHNSON TOWNSHIP WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	600
140	KIBLER WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	1800

Appendix F - Chemical Maximum Contaminant Level Violation

<i>PWS ID</i>	<i>System Name</i>	<i>SDWIS Code</i>	<i>Violation Definition</i>	<i>Violation Date</i>	<i>Retail population</i>
140	KIBLER WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	1800
822	LAKESIDE WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	1876
822	LAKESIDE WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	1876
822	LAKESIDE WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	1876
822	LAKESIDE WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2021	1876
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	9/1/2021	4813
313	LEE COUNTY WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	10/1/2021	4813
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	1/1/2021	4279
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	4/1/2021	4279
787	LITTLE RIVER CO RDA	2456	Maximum Contaminant Level Violation for Total Haloacetic Acids (HAA5)	7/1/2021	4279

Appendix F - Chemical Maximum Contaminant Level Violation

<i>PWS ID</i>	<i>System Name</i>	<i>SDWIS Code</i>	<i>Violation Definition</i>	<i>Violation Date</i>	<i>Retail population</i>
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	3837
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	3837
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	3837
773	MILLTOWN-WASHBURN WATER USERS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	3837
014	MONTROSE / BOYDELL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	473
014	MONTROSE / BOYDELL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	473
014	MONTROSE / BOYDELL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	473
014	MONTROSE / BOYDELL WATER SYSTEM	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	473
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	180
314	MORO WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	180
697	NE YELL COUNTY WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	6125
697	NE YELL COUNTY WATER ASSOC	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	6125
018	PORTLAND WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	430
573	PRAIRIE GROVE WATERWORKS	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	8398

Appendix F - Chemical Maximum Contaminant Level Violation

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail population
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	1/1/2021	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	7/1/2021	2620
846	TRI COUNTY RWDD - MOORES CHAPEL	2950	Maximum Contaminant Level Violation for TTHM	10/1/2021	2620
562	WILDWOOD WATER ASSOCIATION	2950	Maximum Contaminant Level Violation for TTHM	4/1/2021	1350

Appendix G - Radium Maximum Contaminant Level Violation

PWS type: C

PWS	System Name	SDWIS Code	Violation Date	Retail population
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No Violations in 2021

Appendix H - Lead & Copper Rule Monitoring & Treatment Technique

PWS type: C

PWS ID	System Name	SDWIS Code	Violation Definition	Violation Date	Retail
197	ALTUS WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	8/1/2021	1820
622	BATTS-LAPILE WATER ASSOCIATION	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	583
844	BEAVERFORK PWA	66	LEAD CONSUMER NOTICE (LCR)	8/1/2021	3458
123	BLACK OAK WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	264
596	COTTON PLANT WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	435
388	HOLLY GROVE WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	8/1/2021	1554
827	KINGS HILL ESTATES	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	28
500	LESLIE WATER SYSTEM	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	740
1206	PECO FOODS	66	LEAD CONSUMER NOTICE (LCR)	9/1/2021	30
389	ROE WATERWORKS	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	124
232	WASHINGTON WATER SYSTEM	66	LEAD CONSUMER NOTICE (LCR)	12/1/2021	142

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
PWS type: PWS type: C		
811	ACORN RURAL WATER ASSN	1975
144	ALMA WATERWORKS	5978
058	ALPENA WATERWORKS	528
764	ALPINE WATER ASSOCIATION	610
424	ANTOINE WATERWORKS	563
085	ARKADELPHIA WATERWORKS	11495
167	ARKANSAS CITY WATERWORKS	366
320	ASHDOWN WATERWORKS	4723
441	ATKINS WATER SYSTEM	4439
597	AUGUSTA WATERWORKS	2128
346	AUSTIN WATERWORKS	2585
890	AUTUMN ACRES MHP	88
584	BALD KNOB WATERWORKS	2905
785	BARKADA WATER ASSOCIATION	425
415	BARTON LEXA WATER ASSOCIATION	3700
819	BASIN VALLEY WATER SYSTEM	505
250	BATESVILLE WATER UTILITIES	10177
401	BEARDEN WATERWORKS	1982
038	BEAVER WATER DISTRICT	54
462	BEE BRANCH WATER	3345
039	BELLA VISTA P.O.A.	27128
037	BENTON CO WATER	5743
899	BENTON COUNTY WATER AUTHORITY4	555
913	BENTON COUNTY WATER AUTHORITY5	1468
484	BENTON WATERWORKS	30681
041	BENTONVILLE WATER UTILITIES	47195
060	BERGMAN WATERWORKS	3122
074	BERRYVILLE WATERWORKS	6025
627	BETHESDA WATER ASSOCIATION	1302
799	BIG CLIFTY WATER	170
026	BIG FLAT WATERWORKS	523
476	BIGGERS WATERWORKS	404
302	BLACK ROCK WATERWORKS	663
233	BLEVINS WATERWORKS	335
365	BLYTHEVILLE WATERWORKS	16243
979	Bonanza Waterworks	575
126	BONO WATERWORKS	2550
336	BOONEVILLE DEVELOPMENT CENTER	275
326	BOONEVILLE WATERWORKS	3915

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
179	BOWSER WATER ASSN	580
054	BRADLEY CO RURAL WATER ASSN	1185
294	BRADLEY WATERWORKS	567
024	BRIARCLIFF WATERWORKS	315
131	BROOKLAND WATERWORKS	3770
837	BRUNNER HILL WATER ASSOC	1188
486	BRYANT WATERWORKS	19607
671	BUFFALO ISLAND REG WATER DIST	3748
352	BULL SHOALS WATER SYSTEM	3228
366	BURDETTE WATERWORKS	591
338	CABOT WATERWORKS	23776
515	CADDO VALLEY WATERWORKS	535
532	CALDWELL WATER	1585
919	CALHOUN COUNTY WATER ASSN	1591
003	CALICO ROCK WATERWORKS	1603
551	CALION WATER WORKS	494
404	CAMDEN WATERWORKS	13275
877	CAMP ROBINSON	1500
339	CARLISLE WATERWORKS	2417
675	CARROLL-BOONE WATER DISTRICT	0
165	CARTHAGE WATER AND SEWER	345
526	CAVE CITY WATERWORKS	2484
043	CAVE SPRINGS WATERWORKS	4802
138	CEDARVILLE WATERWORKS	8423
044	CENTERTON WATERWORKS	22227
465	CENTRAL ARKANSAS WATER	330667
883	CENTRAL ARKANSAS WATER-PARON	2071
503	CENTRAL CITY WATER DEPARTMENT	1218
845	CENTRAL LOGAN COUNTY PWFB	1268
200	CHARLESTON WATERWORKS	3265
521	CHEROKEE VILLAGE WATER ASSOC	4717
158	CHERRY VALLEY WATERWORKS	651
446	CITY CORPORATION	29260
385	CLARENDON WATERWORKS	1293
741	CLARK CO COUNTRY WATER FACILIT	2403
148	CLARKEDALE-JERICHO WATER ASSOC	925
289	CLARKSVILLE CONNECTED UTILITIES	9410
722	CLAY CO REG WATER DISTRICT	5633
069	CLEVELAND CO RURAL WATER USERS ASSOC	2243
564	CLINTON WATERWORKS	5733

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
290	COAL HILL WATERWORKS	1300
533	COLT WATER ASSOCIATION	853
119	CONWAY CO REGIONAL WATER DIST	18973
189	CONWAY WATER SYSTEM	64960
927	CORINTH VALLEY WATER SYSTEM	94
028	COTTER WATERWORKS	1125
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	7900
249	CUSHMAN WATER SYSTEM	1240
190	DAMASCUS WATER WORKS	1695
601	DARDANELLE WATERWORKS	4228
052	DECATUR WATERWORKS	2383
224	DELAPLAINE WATERWORKS	116
423	DELIGHT WATERWORKS	1577
367	DELL WATERWORKS	1077
199	DENNING WATERWORKS	755
008	DEWITT WATERWORKS	3294
061	DIAMOND CITY WATER	1245
269	DIAZ WATERWORKS	1088
243	DIERKS WATER WORKS	1102
585	DOGWOOD WATER ASSOCIATION	1345
698	Dota Public Water Authority	2722
444	DOVER WATERWORKS	1410
171	DUMAS WATERWORKS	6338
730	DYESS RURAL WATER	314
376	DYESS WATERWORKS	430
886	E CASS WATER SUPPLY CORP	150
150	EARLE WATERWORKS	1720
646	EAST END WATER	5954
772	EAST JOHNSON CO WATER ASSN	4828
809	EAST LOGAN CO RURAL WATER	2008
539	EASTSIDE HOMEOWNERS ASSOC	201
350	EDGEWOOD BAY WATER	279
418	ELAINE WATERWORKS	1673
393	EMMET WATERWORKS	550
341	ENGLAND WATERWORKS	2823

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
183	ENON WATER ASSOCIATION	488
083	EUDORA WATERWORKS	2600
075	EUREKA SPRINGS WATERWORKS	4053
544	FAIRCREST WATER ASSOCIATION	1244
569	FAYETTEVILLE WATERWORKS	102878
514	FCMTC WATERWORKS	500
545	FELSENTHAL WATER AND SEWER	150
351	FLIPPIN WATERWORKS	3627
635	FORDYCE RURAL WATER ASSOC	1492
164	FORDYCE WATER CO	4500
323	FOREMAN WATERWORKS	1011
004	FORREST CITY WATERWORKS	15435
	FORT SMITH WATER UTILITIES	86209
507	FORT SMITH WATER UTILITIES	86209
586	FOUR MILE HILL PUBLIC FACILITIES BOARD	4603
257	FRANKLIN WATERWORKS	192
1077	FRANKLIN-SEBASTIAN PWA	0
812	FREEDOM WATER ASSOCIATION	1858
814	FULTON COUNTY WATER ASSOC	2411
645	FURLOW WATER ASSOCIATION	2905
047	GARFIELD WATERWORKS	640
692	GARRETT BRIDGE WATER ASSOC	702
034	GASSVILLE WATERWORKS	1672
693	GATEWAY PUBLIC WATER AUTHORITY	1890
048	GENTRY WATERWORKS	5385
699	GENTRYVILLE PUBLIC WATER AUTH	402
009	GILLETT WATER DEPT	655
658	GILLHAM REGIONAL WATER DIST	3
516	GILLHAM WATERWORKS	328
857	GLEN ACRES	68
422	GLENWOOD WATER DEPARTMENT	2228
374	GOSNELL WATER ASSOCIATION	3220
316	GOULD MUNICIPAL WATER-SEWER	837
734	GRAND PRAIRIE BAYOU 2 PWA	11150
738	GRAND PRAIRIE REGIONAL WATER	13500
437	GRANNIS WATERWORKS	548
051	GRAVETTE WATERWORKS	4035
076	GRAY ROCK WATER ASSOCIATION	738
696	GREASY VALLEY WPFB LOGAN CO.	520
077	GREEN FOREST WATERWORKS	5785

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
701	GREEN HILL-BROOKS CHAPEL WATER	785
191	GREENBRIER WATERWORKS	7893
097	GREENWAY WATERWORKS	322
267	GRUBBS WATERWORKS	409
626	GUION WATER DEPARTMENT	262
087	GURDON WATERWORKS	2988
192	GUY WATERWORKS	1692
070	HAMPTON WATERWORKS	1906
273	HARDIN WATER ASSOCIATION	4600
524	HARDY WATERWORKS	1101
071	HARRELL WATERWORKS	296
431	HARRISBURG WATERWORKS	2885
062	HARRISON WATERWORKS	17135
286	HARTMAN WATERWORKS	1230
488	HASKELL WATER SYSTEM	3990
436	HATFIELD WATERWORKS	410
602	HAVANA WATERWORKS	1115
452	HAZEN WATERWORKS	1338
104	HEBER SPRINGS WATER SYSTEM	13465
067	HERMITAGE WATERWORKS	830
885	HIGHFILL WATER DEPARTMENT	555
672	Highland Public Water Authority	1825
230	HOPE WATER LIGHT COMM	11500
617	HORSEHEAD WATER ASSOCIATION	4940
255	HORSESHOE BEND WATERWORKS	2186
151	Horseshoe Lake Utilities	726
236	HOT SPRING CO WATER ASSOC	3528
209	HOT SPRINGS UTILITIES	88909
208	HOT SPRINGS VILLAGE WATER	14092
011	HUGHES COMMUNITY WATER ASSOC	2030
531	HUGHES WATERWORKS	827
348	HUNTSVILLE WATERWORKS	2485
553	HUTTIG WATERWORKS	733
765	HWY 4 24 WATER ASSOCIATION	2135
107	HWY 63 WATER ASSOCIATION	7185
145	HWY 71 WATER DISTRICT #1 PWA	6250
702	HWY 9 WATER ASSOCIATION	1375
300	IMBODEN WATERWORKS	677
774	INDEPENDENCE JACKSON REGIONAL	2996
263	JACKSONPORT WATERWORKS	230

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
466	JACKSONVILLE WATERWORKS	30481
513	JAMES FORK REGIONAL WATER	11148
276	JEFFERSON-SAMPLES-DEXTER WATER	2551
124	JONESBORO WATER SYSTEM	79864
373	KEISER WATERWORKS	750
821	KIMZEY REGIONAL WATER DISTRICT	11669
108	KINGSLAND WATERWORKS	447
099	KNOBEL WATERWORKS	262
287	KNOXVILLE WATERWORKS	1930
684	LACEY-LADELLE WATER ASSOCIATION	1352
277	LADD WATER ASSOCIATION	2143
483	LAFE REGIONAL WATER DISTRIBUTION DISTRICT	2522
081	LAKE VILLAGE WATERWORKS	2543
027	LAKEVIEW MIDWAY PUBLIC WATER AUTHORITY	3012
510	LAVACA WATERWORKS	3650
688	LAWRENCE CO REG WATER DIST	7469
548	LAWSON-URBANA WATER ASSOC	1108
362	LEACHVILLE WATERWORKS	1989
218	LEOLA WATERWORKS	561
471	LIBERTY - WOODSON / HENSLEY	1000
272	LIBERTY UTILITIES	48038
572	LINCOLN WATERWORKS	6250
716	LISBON WATER ASSOCIATION	487
467	LITTLE RIVER COUNTRY CLUB	120
371	LITTLE RIVER WATER ASSOCIATION	829
912	LOCKE-FERN DOLLARD RD WW PFB	1135
517	LOCKESBURG WATERWORKS	739
102	LOCUST BAYOU WATER ASSOCIATION	531
274	LONG LAKE WATER ASSOCIATION	516
1076	LONOKE WHITE PUBLIC WATER AUTH	0
049	LOST BRIDGE VILL WAT-SEW DIST	990
406	LOUANN WATERWORKS	170
292	LUDWIG WATER ASSOCIATION	1322
718	LURTON-PELSOR WATER ASSOC	312
713	LYDESDALE WATER ASSOCIATION	405
299	LYNN WATERWORKS	651
803	MADISON CO REGIONAL WATER	3
349	MADISON CO WATER FACILITIES BD	9688
246	MAGNESS WATER ASSOCIATION	202
241	MAGNET-BUTTERFIELD WATER AUTHORITY	1838

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
237	MALVERN WATERWORKS	9690
206	MAMMOTH SPRING WATERWORKS	1110
378	MANILA WATERWORKS	3348
509	MANSFIELD WATERWORKS	2348
310	MARIANNA WATERWORKS	3795
382	MARIE WATER SYSTEM	135
770	MARION COUNTY REG WATER DIST	0
430	MARKED TREE WATERWORKS	2566
225	MARMADUKE WATERWORKS	1111
501	MARSHALL WATERWORKS	3295
637	MARVELL RURAL WATER ASSOC	1725
421	MARVELL WATERWORKS	1005
001	MARYSVILLE WATER ASSOCIATION	744
464	MAUMELLE WATER CORPORATION	2832
193	MAYFLOWER WATERWORKS	7578
599	MC CRORY WATERWORKS	1747
098	MC DOUGAL WATERWORKS	248
705	MC NEIL RURAL WATER ASSOC	900
110	MC NEIL WATERWORKS	515
589	MC RAE WATERWORKS	800
170	MCGEHEE WATERWORKS	4219
438	MENA WATER DEPT	7784
118	MENIFEE WATER DEPARTMENT	445
725	Mid-Arkansas Utilities PWA	11148
153	MIDWAY WATER ASSOCIATION	1992
786	MILL POND VILLAGE MHP	160
1141	MILLER COUNTY PUBLIC WATER AUTHORITY	680
242	MINERAL SPRINGS WATERWORKS	1245
169	MITCHELLVILLE WATERWORKS	360
128	MONETTE WATERWORKS	1391
951	MONTGOMERY CO REGIONAL PWA	0
184	MONTICELLO WATER DEPARTMENT	9467
709	MORRISON BLUFF WATER SYSTEM	325
002	MOUNT HOLLY WATERWORKS	384
668	MOUNT OLIVE WATER ASSOCIATION	6858
025	MOUNTAIN HOME WATERWORKS	16333
454	MOUNTAIN TOP WATER ASSOCIATION	8838
542	MOUNTAIN VIEW WATERWORKS	6349
258	MT PLEASANT WATERWORKS	1338
425	MURFREESBORO WATERWORKS	1645

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
1069	N E WHITE COUNTY PUBLIC FACILITIES BOARD	0
867	N GARLAND CO REG WATER DIST	6859
244	NASHVILLE WATERWORKS	5094
673	NE MISSISSIPPI CO WATER ASSOC	1156
1070	NEAPWA	2
248	NEWARK WATERWORKS	1358
264	NEWPORT WATERWORKS	6468
035	NORFORK WATERWORKS	1503
391	NORMAN WATERWORKS	850
554	NORPHLET WATERWORKS	1112
331	NORTH CARBON CITY WATER ASSOC	100
022	NORTH CROSSETT UTILITIES	2924
023	NORTH EAST CROSSETT WATER ASSN	154
033	NORTH EAST PUBLIC WATER AUTH	4011
1075	NORTH HOWARD RURAL WATER ASSOCIATION	710
012	NORTH LAGRUE WATER ASSOC	296
583	NORTH WHITE CO RURAL WATER PFB	5215
007	NORTHEAST DEWITT WATER ASSOC	662
146	OAK GROVE WATER ASSOCIATION	2773
558	OAK MANOR WATER ASSOCIATION	339
676	OAKHILLS SURB IMPROVMENT DIST	130
616	ODEN- PENCIL BLUFF WATER ASSN.	393
322	OGDEN WATERWORKS	487
473	O'KEAN WATERWORKS	211
089	OKOLONA WATERWORKS	562
120	OPPELO WATER DEPARTMENT	1300
802	OUTSIDE KINGSLAND WATER ASSOC	450
259	OXFORD WATERWORKS	1074
998	Ozark Mtn Regional PWA	0
222	PARAGOULD, LIGHT, WATER, & CABLE	27396
328	PARIS WATERWORKS	4935
560	PARKERS CHAPEL PUBLIC WATER	2391
662	PARKIN RURAL WATER ASSOCIATION	406
736	PARTHENON WATER ASSOCIATION	400
413	PERRYVILLE WATERWORKS	2976
251	PFEIFFER WATER AUTHORITY	3167
172	PICKENS WATERWORKS	49
090	PIGGOTT WATERWORKS	3635
818	PIKE CITY WATER ASSN	333
720	PLEASANT GROVE	2315

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
202	PLEASANT VIEW WATER FAC BOARD	1708
092	POLLARD WATERWORKS	287
305	PORTIA WATERWORKS	437
445	POTTSVILLE WATER ASSOCIATION	4108
217	POYEN WATERWORKS	875
216	PRATTSVILLE WATERWORKS	1282
394	PRESCOTT WATERWORKS	4525
561	QUINN WATER ASSOCIATION	729
329	RATCLIFF WATERWORKS	1395
477	RAVENDEN SPRINGS WATERWORKS	143
306	RAVENDEN WATERWORKS	470
093	RECTOR WATERWORKS	2312
279	REDFIELD WATERWORKS	2865
173	REED WATERWORKS	209
475	REYNO WATERWORKS	437
835	RICHWOODS WATER ASSOCIATION	1496
833	RIVER VALLEY WATER ASSN	1220
674	RIVERSOUTH RURAL WATER DIST	4275
239	RIVIERA UTILITIES	1800
252	Rock Moore Water Authority	3442
055	ROGERS WATER UTILITIES	70878
395	ROSSTON WATER DEPARTMENT	750
678	S P G WATER ASSOCIATION	1745
492	SALEM WATER ASSOCIATION	16737
204	SALEM WATERWORKS	1639
493	SARDIS WATER ASSOCIATION	13752
758	SDM WATER ASSOCIATION	482
870	SE BRADLEY CO WATER ASSN	2643
590	SEARCY WATERWORKS	25918
511	SEBASTIAN LAKE UTILITY OPERATING COMPANY	298
304	SEDGWICK WATERWORKS	210
182	SELMA WATER ASSOCIATION	1094
868	SEVIER CO WATER ASSOCIATION	4767
800	SHANNON HILLS WATER DEPT	3443
215	SHERIDAN WATERWORKS	4605
407	SHUMAKER PUBLIC SERVICE CO	1399
528	SIDNEY WATER SYSTEM	312
555	SMACKOVER WATERWORKS	2821
851	SOUTH LOGAN COUNTY WATER	1783
978	SOUTH PIKE CO. WATER	755

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
219	SOUTH SHERIDAN WATER ASSOC	3887
792	SOUTHERN HILLS WATER SYSTEM	45
254	SOUTHSIDE PUB WATER AUTHORITY	9108
889	SOUTHWEST ARKANSAS WATER SYST	1698
495	SOUTHWEST WATER ASSOCIATION	9185
575	SPRINGDALE WATER UTILITIES	90235
836	ST FRANCIS RIVER REG WATER DD	2501
537	ST FRANCIS RURAL WATER ASSOC	1775
094	ST FRANCIS WATER SYSTEM	263
296	STAMPS WATERWORKS	3262
318	STAR CITY WATER WATERWORKS	2274
755	STARLIGHT ESTATES	44
307	STRAWBERRY WATERWORKS	998
013	STUTTGART WATERWORKS	9085
135	SUBIACO CITY WATERWORKS	533
355	SUMMIT WATERWORKS	604
628	SW BOONE COUNTY WATER ASSOC	4178
852	SW WARREN WATER ASSOCIATION	765
185	SW WHITE COUNTY WATER ASSN	10917
265	SWIFTON WATERWORKS	1013
045	SYLVAN SHORES SD WATERWORKS	85
891	TALL OAKS MHP	22
114	TAYLOR WATERWORKS	566
360	TEXARKANA WATER UTILITIES	29972
186	TILLAR WATERWORKS	225
618	TOLLETTE WATER	346
782	TRI-COUNTY WATER DISTBR DIST	16671
435	TRUMANN WATERWORKS	7968
825	TULIP - PRINCETON WATER ASSN	1083
220	TULL WATER	1987
579	TUMBLING SHOALS WATER ASSOC	4890
426	TYRONZA WATERWORKS	826
451	ULM WATERWORKS	213
690	US AIR FORCE BASE LITTLE ROCK	8618
065	VALLEY SPRINGS WATERWORKS	3168
727	VAN BUREN COUNTY W U A	3062
142	VAN BUREN WATERWORKS	22725
162	VANNDALE-BIRDEYE WATER ASSOC	2389
115	VILLAGE WATER ASSOCIATION	379
195	VILONIA WATERWORKS	22730

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
205	VIOLA WATERWORKS	363
460	WALDENBURG WATER ASSOCIATION	181
112	WALDO WATERWORKS	1630
498	WALDRON WATERWORKS	2955
858	WALKER CREEK STATELINE RWA	1340
116	WALKER WATER ASSOCIATION	1182
066	WARREN WATERWORKS	6228
574	WASHINGTON WATER AUTHORITY WWA	18212
606	WATALULA WATER ASSOCIATION	2278
284	WATSON CHAPEL WATER ASSOC	5865
174	WATSON WATERWORKS	188
428	WEINER WATERWORKS	997
103	WESSON-NEWELL WATER ASSOC	658
878	WEST ASHLEY COUNTY WATER ASSN	683
577	WEST FORK WATERWORKS	2688
735	WEST STONE COUNTY WATER ASSN	5188
704	WESTERN GREENE COUNTY R W D	7342
400	WESTERN GROVE MUNICIPAL WATER	939
535	WHEATLEY WATERWORKS	550
804	WHELEN SPRINGS WATER DEPT	557
440	WICKES WATERWORKS	2014
650	WILLISVILLE WATERWORKS	475
370	WILSON WATER SYSTEM	1122
188	WINCHESTER WATERWORKS	457
332	WINSLOW WATERWORKS	1590
642	WINTHROP WATER ASSOCIATION	338
783	WIRE ROAD WATER SYSTEM	830
700	WKMM RURAL WATER ASSOCIATION	310
196	WOOSTER WATERWORKS	5000
410	WYE MOUNTAIN WATER ASSOCIATION	1350
163	WYNNE WATERWORKS	7652
356	YELLVILLE WATERWORKS	2329
319	YORKTOWN WATER ASSOCIATION	7364
PWS type: PWS type: N		
T0832	ANCHOR POINTE	150
1177	ANCHOR'S LANDING AT WOODS POINT RV PARK	72
T0171	ANGLERS RESTAURANT	50
T0031	ARK POST NATIONAL MEMORIAL	100
1107	ARK S/P BEECH POINT CAMPGROUND	25
T0068	BAYOU RESORT	25

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PWS ID	System Name	Retail population served
T0751	BEAVER RV PARK	100
T1070	Benny's Country Store	25
N0080	BLACK BEAR SPRINGS	25
1001	Blue Heron Campground	25
T0350	BLUE WATER'S RESORT	119
T1082	BNR U2-02 DILLARDS FERRY	250
T1022	BNR U2-48 RUSH CAMPGROUND	25
T0098	BNRU2-01 BUFFALO POINT CAMPGROUND	25
T0083	BOGG SPRINGS BAPTIST CAMP	800
T0885	BOLL WEEVIL	300
T0087	BOY SCOUT CAMP ORR	300
T1083	BRADY MOUNTAIN RESORT & MARINA	1000
T0965	BUFFALO NATRV U4-08 OZARK CG	25
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
1242	CAMP HARVEST	25
T1045	CAMP KARLTON KEMP	140
973	CAMP WAR EAGLE	700
986	CEDAR GLADES PARK	25
T0431	CEDAR VALLEY INC	250
T1103	CLOUD 9 RV PARK	25
T0163	COUNTRY MOUNTAIN INN	100
1246	DOLLAR GENERAL STORE 16417	25
1247	DOLLAR GENERAL STORE 17027	25
1256	Dollar General Store 21210	25
1261	Dollar General Store 22097	25
1255	EASY K RANCH	25
T1107	EUREKA SPRINGS PARKS & REC	100
T0116	FERNCLIFF CAMP CONFER CENTER	162
T0215	FISH FIDDLE RESORT	25
1211	GARNER'S ICE HOUSE ROSE BUD	30
T0231	GASTON'S WHITE RIVER RESORT	550
N0239	GLACIER ALB4111 TEXARKANA	30
N0244	GLACIER BG0494 CROSSETT	30

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PWS ID	System Name	Retail population served
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
1157	GLACIER CN0037 MARSHALL	30
1021	GLACIER EFG3475 LITTLE ROCK	30
1154	GLACIER FAMD1037 MARIANNA	30
1143	GLACIER FAMD4009 RUSSELLVILLE	30
1165	GLACIER FAMD4372 RODGERS	30
1168	GLACIER FAMD7888 SPRINGDALE	30
1046	GLACIER FG37 MARIANNA	80
1172	GLACIER HILLBILLY U-PUMP	30
1124	GLACIER HM1 SPRINGDALE	30
1084	GLACIER MERC101 SPRINGDALE	30
1230	GLACIER SF2752 GASSVILLE	30
981	HARVEST CHURCH	75
T1085	HIDDEN VALLEY RV PARK	165
T0258	HOLIDAY HILLS RESORT	25
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
T0714	HWY 27 REC AREA	25
1263	ILLINOIS RIVER CAMPGROUND	30
1043	JIM'S SALOON	25
T0308	KOA CAMPGROUND STORE	40
T0312	LAKE LEATHERWOOD CAMPGROUND	25
993	Lake Shore Cabins	78
T0330	LITTLE FIR LANDING	250
T1090	LOST BRIDGE MARINA	25
1090	LOST VALLEY CANOE AND LODGING	25
T0341	MANY ISLAND CAMP	200
T0870	MILLWOOD LANDING GOLF & RV RESORT	125
T0373	MOOSE LODGE 1953	25
N0073	MT VALLEY SPRING CO	25
957	NORFORK MARINA	25

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PWS ID	System Name	Retail population served
1198	NWS INC. WF0317 LITTLE ROCK	30
1005	Oak Hill Lodge SGT	25
1216	OZARK ICE HOUSE COTTER	30
1257	Ozoneozarks Corporation	30
T0439	PONCA BIBLE CAMP	25
909	PRIMO WMSC0033 NASHVILLE	30
1071	PRIMO WMSC0171 CAMDEN	80
1176	PRIMO AKINS NF19 ROGERS	30
1260	Primo BG762 Red Field	30
1234	PRIMO GLACIER HCP108 SPRINGDALE	30
1235	PRIMO GLACIER HF103 GREEN FOREST	30
1238	PRIMO GLACIER HF122 CENTERTON	30
1066	PRIMO HARPS124 FAYETTEVILLE	30
N0162	PRIMO HF133 HUNTSVILLE	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
911	PRIMO REFILL LLC WMSC0068 WYNNE	30
1011	PRIMO REFILL LLC WMSC0133 Ashdown	30
N0174	PRIMO REFILL LLC FAYETTEVILLE WAL359	30
1149	PRIMO REFILL WMSC157 SEARCY	30
N0148	Primo Russellville Harps	30
N0223	PRIMO WMNM 2742 SPRINGDALE	80
1182	PRIMO WMNM 4686 BENTONVILLE	80
1174	PRIMO WMNM2431 SEARCY	30
1201	PRIMO WMNM2686 BENTONVILLE	30
N0201	PRIMO WMNM2745	30
1218	PRIMO WMNM3164 BENTONVILLE	30
1189	PRIMO WMNM4128 RUSSELLVILLE	30
1208	PRIMO WMNM4376 BENTONVILLE	30
1214	PRIMO WMNM4579 FT. SMITH	30
1219	PRIMO WMNM4654 MARION	80
1068	PRIMO WMNM5738 SPRINGDALE	30
1225	PRIMO WMNM5780 PARAGOULD	30
1228	PRIMO WMNM5789 HOT SPRINGS	30
1229	PRIMO WMNM5790 HOT SPRINGS	30
1185	PRIMO WMNM6953 CENTERTON	80
1194	PRIMO WMNM6960 SILOAM SPRINGS	30
1187	PRIMO WMNM7242 FARMINGTON	30

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PWS ID	System Name	Retail population served
1196	PRIMO WMNM7317 GREENBRIAR	30
965	PRIMO WMS0058 RUSSELLVILLE	80
1151	PRIMO WMSC 0008 MORRILTON	30
N0218	PRIMO WMSC0004 SILOAM SPRINGS	30
N0145	PRIMO WMSC0005 CONWAY	30
N0230	PRIMO WMSC0011 MT HOME	30
N0211	PRIMO WMSC0016 VAN BUREN	30
1181	PRIMO WMSC0018 NEWPORT	30
N0161	PRIMO WMSC0036 PARAGOULD	30
N0168	PRIMO WMSC0054 SPRINGDALE	60
N0140	PRIMO WMSC0067 MENA	30
N0164	PRIMO WMSC0071 POCAHONTAS	30
N0159	PRIMO WMSC0076 BERRYVILLE	30
1153	PRIMO WMSC0083 MAGNOLIA	30
N0139	PRIMO WMSC0085 BENTON	30
N0156	PRIMO WMSC0100 WAL-100	30
N0142	PRIMO WMSC0102 STUTTGART	30
N0219	PRIMO WMSC0119 BATESVILLE	30
947	PRIMO WMSC0127 MALVERN	120
N0165	PRIMO WMSC0141 FT. SMITH	30
N0166	PRIMO WMSC0160 ASH FLAT	30
939	PRIMO WMSC0167 CROSSETT	30
N0224	Primo WMSC0261 Hot Springs	30
963	PRIMO WMSC0296 DARDANELLE	50
977	PRIMO WMSC0358 ALMA	30
1195	PRIMO WMSC0373 HUNTSVILLE	30
N0154	PRIMO WMSC0530 ELDORADO	30
N0152	PRIMO WMSC0714 W.HELENA	30
N0220	PRIMO WMSC0788 CLINTON	30
N0221	PRIMO WMSC1065 HOPE	30
1150	PRIMO WMSC1105 NLR	30
964	PRIMO WMSC1114 MTN VIEW	30
944	PRIMO WMSC1147 FLIPPIN	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
1188	PRIMO WMSC4108 SPRINGDALE	30
1180	PRIMO WMSC4168 BEEBE	30

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PWS ID	System Name	Retail population served
929	PRIMO WMSC5244 LR	30
934	Primo WMSC5433 HSV	30
1167	PRIMO WMSC5706 LITTLE ROCK	80
1259	Retreat at Sky Ridge	50
1262	River Run Resort	25
T1054	RIVERLAKE OUTDOOR Center	25
T1037	RIVERSIDE RESORT	250
T0467	RIVERSIDE RESORT AT KINGS RIVER	25
936	RIVERSIDE RETREAT	25
T0470	ROADRUNNER INN	25
925	SHADY OAK RV PARK	124
T0513	SPRING RIVER OAKS CAMP	25
T0526	SUPPLY COUNTRY STORE	150
T0829	THE INN AT LOST BRIDGE	25
1244	TIGER ICE 1 CHARLESTON	30
T0588	USCOE BSWP109 TUCKER HOLLOW	40
T0589	USCOE BSWP110 TUCKER HOLLOW	25
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
T0892	USCOE BWP29 STARKEY PARK	25
T0609	USCOE BWP33 LOST BRIDGE	25
T0612	USCOE DG ALPINE RIDGE	25
T0619	USCOE DG LENOX MARCUS	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
T0695	USCOE NFWP25 BIDWELL POINT	144
T0696	USCOE NFWP29 GAMALIEL	192
T0709	USCOE OC - BRADY MTN	100
T0718	USCOE OC - LITTLE FIR	100
T0763	USFS ALBERT PIKE REC AREA	25
T0770	USFS BLANCHARD	25
T0786	USFS GUNNER POOL	25
T0788	USFS HORSEHEAD BATHHOUSE	25
T0795	USFS LAKE WEDINGTON	50
T0797	USFS LITTLE PINES REC AREA	25

Appendix I - No Violations For This Calendar Year

PWS ID	System Name	Retail population served
T0806	USFS REDDING	25
T0808	USFS RICHLAND CREEK	25
T0810	USFS SHADY LAKE REC AREA 16661	25
T0811	USFS SHADY LAKE REC AREA 16666	25
T0814	USFS SHORES LAKE	25
T0821	USFS WHITE ROCK	35
970	VENTRIS TRAILS END RESORT	50
T1106	WATER WAGON	25
T0852	WHITE RIVER CAMPGROUND	250
N0084	WILDERNESS VALLEY SPRING	25
1192	YGAP ASHDOWN	30
1190	YGAP GLENWOOD	30
1203	YGAP TEXARKANA 1	30
1204	YGAP TEXARKANA 2	30
PWS type:PWS type: P		
N0180	4-H CENTER	40
N0129	AHTD MARION COUNTY	25
N0022	ALBEMARLE CORPORATION SOUTH	550
N0021	ALBEMARLE CORPORATION WEST	150
T0045	ARK ST PARK-QUEEN WILHELMINA	223
T1110	ARK STATE PARK MT MAGAZINE	128
N0237	CHRISTIAN MINISTRY ACADEMY	300
N0052	CLEARWATER PAPER CORPORATION	339
N0009	ENTERGY - INDEPENDENCE	150
N0032	Evergreen Packaging INC, Pine Bluff	960
N0214	GEORGIA PACIFIC WOOD PRODUCTS LLC	110
T1065	GREENWICH CENTER	30
1254	IDAHO TIMBER COMPANY	140
1227	JLM VA HOSPITAL	4000
N0029	LANXESS Corporation	144
N0046	Nat Ctr For Toxicological Res	400
N0188	NW ARKANSAS REGIONAL AIRPORT	2668
N0189	R V A F TEXARKANA	120
N0057	REMINGTON Ammunitions	1250
1175	ST. VINCENT INFIRMARY	2700
N0109	SW REGION WILDERNESS CAMP	41
N0088	THE GREAT PASSION PLAY	450
1221	VETERANS HEALTH CARE SYSTEM OF THE OZARKS	1928
N0069	VISKASE CORPORATION	200

Appendix J - Enforcement Actions

PWS type: C

PWS	System Name	Enforcement Action	Date Issued	Rule Violated
088	AMITY WATERWORKS	Warning of Administrative Order	4/21/2021	SWTR
068	BANKS WATERWORKS	Administrative Order	1/4/2021	RTCR
844	BEAVERFORK PWA	Administrative Order	1/4/2021	op lic
448	BISCOE WATERWORKS	Warning of Administrative Order	1/11/2021	op lic
448	BISCOE WATERWORKS	Administrative Order	2/23/2021	lic dbp
448	BISCOE WATERWORKS	Proposed Penalty	3/23/2021	op lic
178	BOIS D'ARC WATER SYSTEM	Penalty Assessed - Board of Health	1/19/2021	op lic/RTCR
653	BRANCH WATER WORKS	Administrative Order	2/23/2021	DBP
653	BRANCH WATER WORKS	Proposed Penalty	5/10/2021	DBP
127	CARAWAY WATERWORKS	Warning of Administrative Order	1/4/2021	oplic
661	CHICOT JUNCTION WATER ASSOC	Warning of Administrative Order	8/2/2021	RTCR/DBP
661	CHICOT JUNCTION WATER ASSOC	Administrative Order	11/15/2021	dbp/rtcr
669	COMPTON WATERWORKS	Proposed Penalty	1/4/2021	op lic
603	DANVILLE WATERWORKS	Proposed Penalty	5/10/2021	DBP/SWTR
450	DEVALLS BLUFF WATERWORKS	Warning of Administrative Order	1/11/2021	op lic
450	DEVALLS BLUFF WATERWORKS	Administrative Order	2/23/2021	lic (dbp)
450	DEVALLS BLUFF WATERWORKS	Proposed Penalty	3/23/2021	op lic
143	DYER WATERWORKS	Administrative Order	2/23/2021	DBP
143	DYER WATERWORKS	Proposed Penalty	5/10/2021	DBP
550	EL DORADO WATERWORKS	Administrative Order	2/23/2021	asbestos

Appendix J - Enforcement Actions

016	FOUNTAIN HILL WATERWORKS	Proposed Penalty	8/2/2021	DBP
546	HARMONY WATER ASSOCIATION	Administrative Order	2/23/2021	DBP
546	HARMONY WATER ASSOCIATION	Proposed Penalty	5/10/2021	DBP
419	HELENA WATER SEWER	Warning of Administrative Order	4/13/2021	lic
419	HELENA WATER SEWER	Administrative Order	5/10/2021	op lic
419	HELENA WATER SEWER	Proposed Penalty	6/9/2021	oplic
159	HICKORY RIDGE WATERWORKS	Warning of Administrative Order	3/23/2021	RTCR
159	HICKORY RIDGE WATERWORKS	Administrative Order	4/13/2021	RTCR
388	HOLLY GROVE WATERWORKS	Proposed Penalty	1/4/2021	RTCR/PN
884	HOSANNA HEIGHTS WATER	Administrative Order	5/10/2021	RTCR/GWR
884	HOSANNA HEIGHTS WATER	Proposed Penalty	9/14/2021	RTCR/GWR
884	HOSANNA HEIGHTS WATER	Proposed Penalty	12/17/2021	RTCR/GWR
301	HOXIE WATER DEPARTMENT	Administrative Order	8/2/2021	RTCR
344	HUMNOKE WATERWORKS	Warning of Administrative Order	9/14/2021	RTCR/lic
508	HUNTINGTON WATERWORKS	Warning of Administrative Order	8/2/2021	DBP
377	JOINER RURAL WATER	Warning of Administrative Order	5/10/2021	op lic/rtr
377	JOINER RURAL WATER	Administrative Order	6/9/2021	oplic?RTCR
377	JOINER RURAL WATER	Proposed Penalty	7/23/2021	lic/RTCR
377	JOINER RURAL WATER	Proposed Penalty	7/23/2021	lic/RTCR
140	KIBLER WATER SYSTEM	Administrative Order	2/23/2021	DBP
140	KIBLER WATER SYSTEM	Proposed Penalty	5/10/2021	DBP

Appendix J - Enforcement Actions

787	LITTLE RIVER CO RDA	Proposed Penalty	4/12/2021	DBP
803	MADISON CO REGIONAL WATER	Warning of Administrative Order	7/23/2021	SWTR
327	MAGAZINE WATERWORKS	Administrative Order	11/15/2021	SWTR/rtr
327	MAGAZINE WATERWORKS	Proposed Penalty	12/17/2021	SWTR/RTCR
438	MENA WATER DEPT	Proposed Penalty	2/23/2021	DBP
042	MOCKINGBIRD HILL WATER ASSOC	Warning of Administrative Order	1/4/2021	LCR
014	MONTROSE / BOYDELL WATER SYSTEM	Administrative Order	2/23/2021	DBP
014	MONTROSE / BOYDELL WATER SYSTEM	Proposed Penalty	5/10/2021	DBP
681	MORNING STAR WATER ASSOCIATION	Warning of Administrative Order	11/15/2021	op lic/RTCR
681	MORNING STAR WATER ASSOCIATION	Administrative Order	12/17/2021	op lic
559	Old Union Public Water Authority	Warning of Administrative Order	9/14/2021	RTCR/lic
227	OZAN WATERWORKS	Administrative Order	1/11/2021	GWR (sig def)/ op lic
227	OZAN WATERWORKS	Proposed Penalty	2/25/2021	lic/GWR (sig def)
018	PORTLAND WATERWORKS	Administrative Order	2/23/2021	DBP
018	PORTLAND WATERWORKS	Proposed Penalty	5/10/2021	DBP
573	PRAIRIE GROVE WATERWORKS	Warning of Administrative Order	11/15/2021	DBP
379	SANDRIDGE-BARDSTOWN WTR ASSOC	Warning of Administrative Order	5/10/2021	DBP/RTCR
379	SANDRIDGE-BARDSTOWN WTR ASSOC	Administrative Order	6/9/2021	oplic/rtr
056	SILOAM SPRINGS WATERWORKS	Administrative Order	9/14/2021	LT2/SWTR
057	SULPHUR SPRINGS WATERWORKS	Proposed Penalty	1/11/2021	RTCR/op lic
846	TRI COUNTY RWDD - MOORES CHAPEL	Proposed Penalty	2/25/2021	DBP

Appendix J - Enforcement Actions

416	WEST HELENA WATER WORKS	Proposed Penalty	4/13/2021	lic/RTCR
562	WILDWOOD WATER ASSOCIATION	Warning of Administrative Order	8/2/2021	DBP

PWS type: N

PWS	System Name	Enforcement Action	Date Issued	Rule Violated
T1076	ECHO CANYON RESORT & MARINA	Warning of Administrative Order	8/2/2021	GWR
T1085	HIDDEN VALLEY RV PARK	Warning of Administrative Order	7/23/2021	RTCR
1094	J & J WATER SPORTS	Proposed Penalty	1/4/2021	GWR/RTCR
1252	NATURAL PURE 1 HOLIDAY ISLAND	Warning of Administrative Order	6/9/2021	RTCR
1252	NATURAL PURE 1 HOLIDAY ISLAND	Administrative Order	7/23/2021	RTCR
928	SADDLER FALLS RESORT	Proposed Penalty	8/2/2021	RTCR/PN
T0931	T & A SALOON & IRON HORSE STABLES	Proposed Penalty	3/23/2021	RTCR/PN
T0322	THE LANGLEY STORE	Administrative Order	7/23/2021	RTCR
T0322	THE LANGLEY STORE	Proposed Penalty	12/17/2021	RTCR/PN
T0550	THREE OAKS RESORT	Administrative Order	2/25/2021	RTCR
T0852	WHITE RIVER CAMPGROUND	Warning of Administrative Order	1/4/2021	SWTR/PN
T0852	WHITE RIVER CAMPGROUND	Proposed Penalty	2/25/2021	SWTR/PN