

STATE OF ALABAMA
PUBLIC DRINKING
WATER ANNUAL
COMPLIANCE REPORT
AND SUMMARY FOR 2021



Contents

- Overview of the National Public Drinking Water Program3
- Public Water Systems in Alabama4
- Water System Violations and Compliance.....5
- Glossary.....8
- Appendix A: Public Water System with Any Violations 1
- Appendix B – Violation Tables by Individual Contaminant Code 1
 - Table B.1 – Organic Contaminants 1
 - Table B.2 – Inorganic Contaminants.....3
 - Table B.3 – Radionuclide Contaminants.....6
 - Table B.4 – Microbiological Contaminants 7
 - Table B.5 – Surface Water Treatment Rule8
 - Table B.6 – Lead and Copper Rule9
 - Table B.7 – Other Rules..... 10
- How to Obtain a Copy of the 2021 Public Water Systems Report..... 11

Overview of the National Public Drinking Water Program

The US Environmental Protection Agency (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 on contaminant levels in drinking water to ensure that the water is safe for human consumption. The Agency also regulates how often public water systems (PWSs) monitor their water for contaminants and report the monitoring results to the states 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 their customers when they have violated these regulations.

The SDWA applies to the 50 states, the District of Columbia, Indian Lands, Puerto Rico, the Virgin Islands, American Samoa, Guam, and the Commonwealth of the Northern Mariana Islands.

The SDWA allows states, tribes and territories to seek EPA approval to administer their own PWSS Programs. The authority to run a PWSS Program is called ‘primacy’. For a state to receive primacy, EPA must determine that the state meets certain requirements laid out in the SDWA and the federal 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 56 states and territories, all but Wyoming and the District of Columbia have primacy. EPA regional offices administer the PWSS programs within these two jurisdictions.

The 1986 SDWA Amendments gave Indian tribes the right to apply for and receive primacy. EPA currently administers PWSS programs on all Indian lands except the Navajo Nation, which was granted primacy in late 2000.

The 1996 Amendments to the SDWA require consumer 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.

Public Water Systems (PWS) in Alabama

This Annual Compliance Report is a snapshot of the status of compliance in the state of Alabama during calendar year 2021. In 2021, there were 574 PWSs that provided drinking water to Alabama residents. There were 509 active CWSs, 22 NTNCs and 43 TNCs. See the table below for specific inventories by population and type.

Figures 1 & 2: PWS by Type & Size

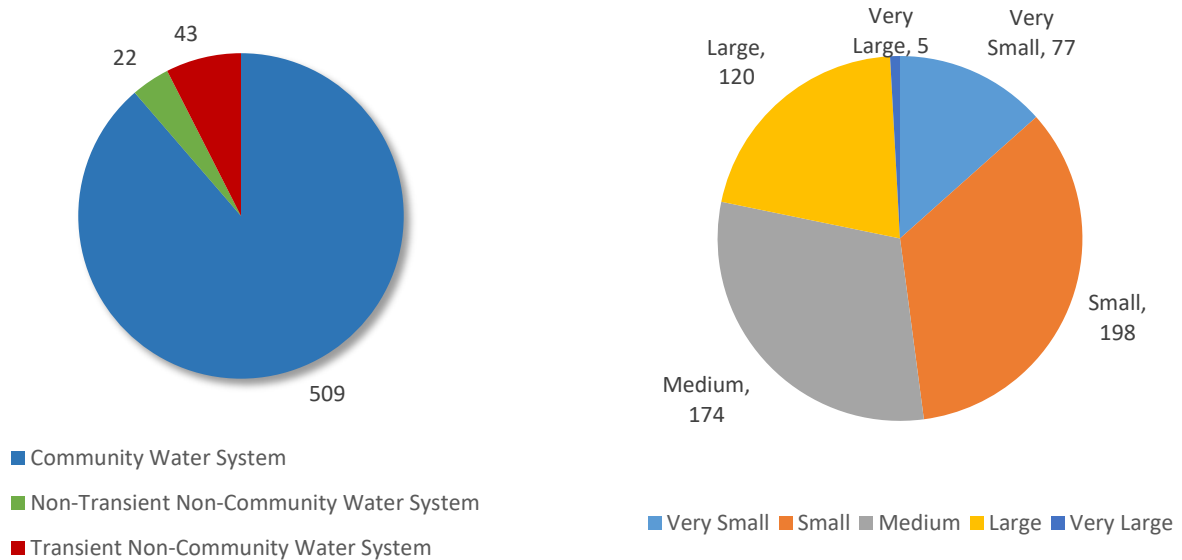


Table 1: Number of PWSs by Population and Type

Population Served	CWSs	NTNCs	TNCs	Total Number of Systems
Less than 501	28	8	41	77
Between 501 and 3,300	182	14	2	198
Between 3,301 and 10,000	174	0	0	174
Between 10,001 and 100,000	120	0	0	120
Greater than 100,000	5	0	0	5
Total	509	22	43	574

Number of PWSs and Population Served

The 574 PWSs distributed water to approximately 1.9 million service connections. There were 1,077 groundwater wells and 99 surface water intakes that provided water to the public water systems.

Water System Violations and Compliance

During 2021, 18% of the PWSs were in violation of a rule or regulation at some point during the year and the remaining 82% of PWSs were in compliance.

Figure 3 below shows the percentage of public water systems with at least one violation versus the systems with no violations. Figure 4 shows a comparison of the number of PWSs with violations over the previous five years.

Figure 3: PWS Violation Status

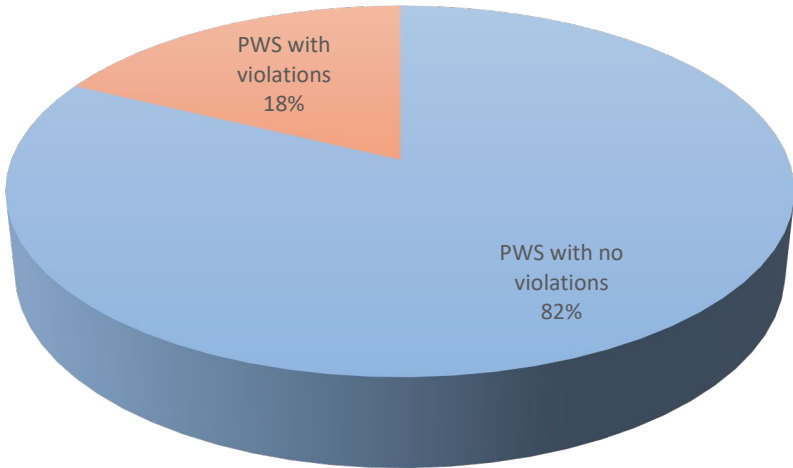


Figure 4: Number of PWS with Any Violation, CY2017-CY2021

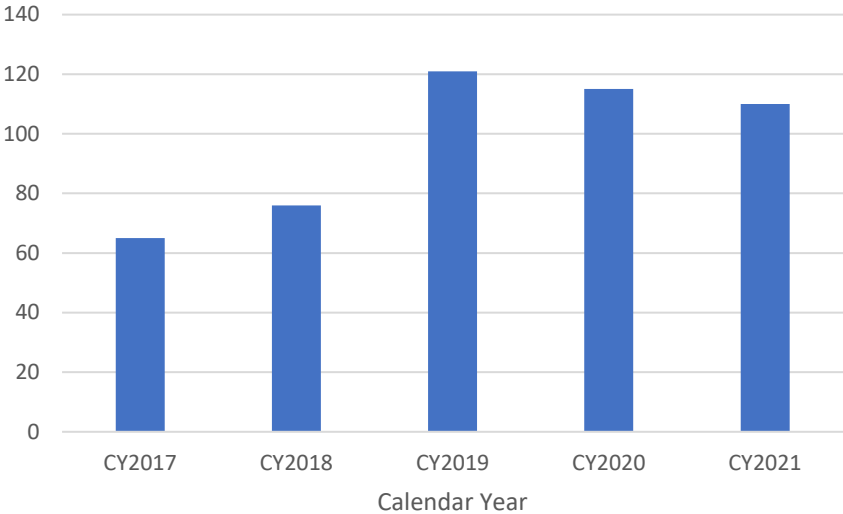


Figure 5 categorizes PWSs by the type of system and seriousness of violation. Priority systems are those systems with an aggregate Enforcement Tracking Tool (ETT) score greater than 10 points at any point during the calendar year. As shown in Figure 5, out of the 144 PWSs with active violations, there were five priority systems.

In 2021, 10% of violations were health-based violations. There was one acute health-based violation. Disinfection byproduct (DBP) MCLs accounted for 92% of the health-based violations, and E.coli MCLs accounted for the remaining 8%. Figure 4 shows a comparison of the number of PWSs with health-based violations in the state over the past five years and the national averages.

Figure 5: PWS Compliance by Severity

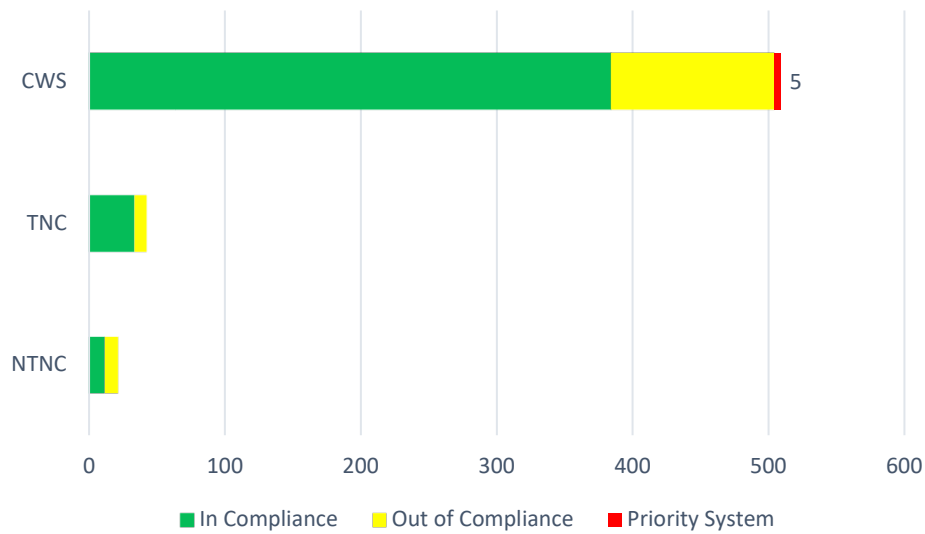
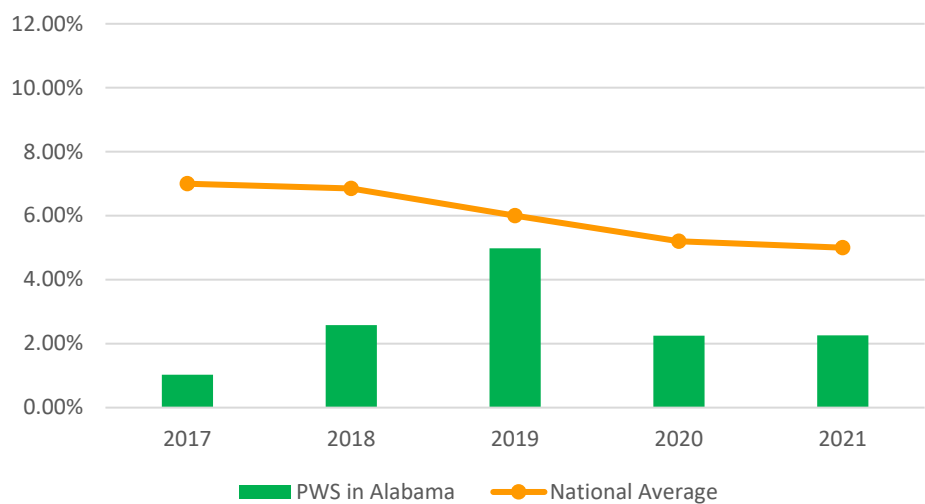


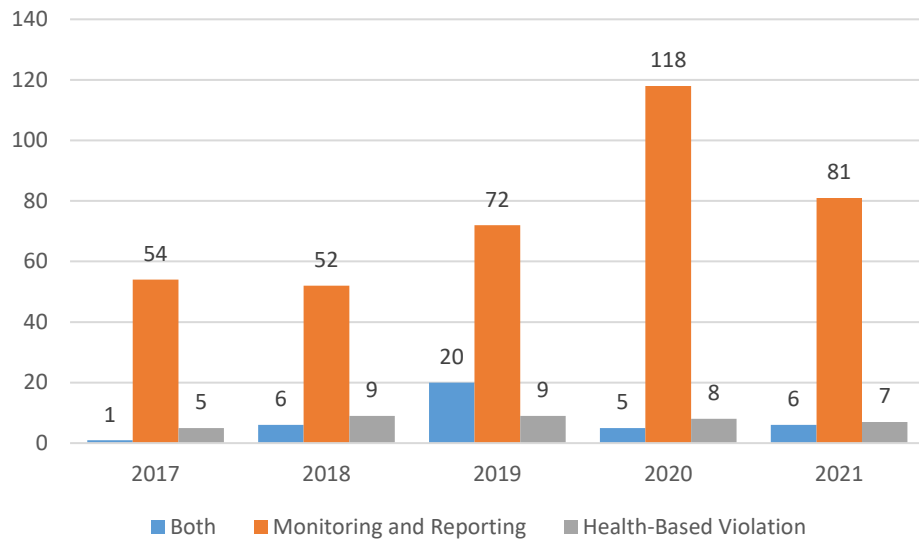
Figure 6: PWS with Health-based Violations



During 2021, there were 87 PWSs that received monitoring and reporting violations. Figure 5 shows a comparison of PWSs that received monitoring and reporting violations, health-based

violations, or both over the previous 5 years. During that period, monitoring and reporting violations have significantly outnumbered health -based violations.

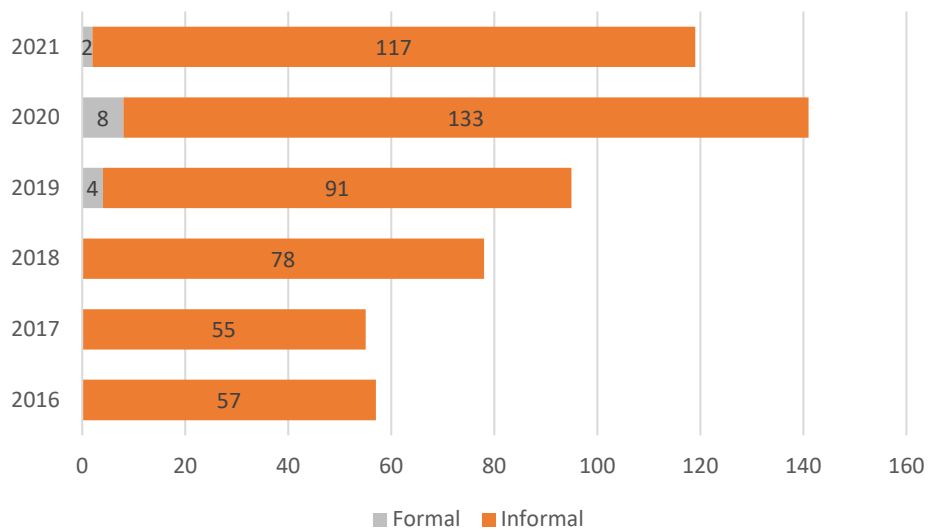
Figure 7: PWS with M&R Violations, Health-based Violations, or Both



In Alabama, the majority of enforcement responses were informal, which included reminder letters, warning letters and State Notices of Violations (NOVs). Formal enforcement response includes consent and administrative orders with or without penalties.

In 2021, two (2) PWSs received formal and 117 received informal enforcement actions as displayed in Figure 8.

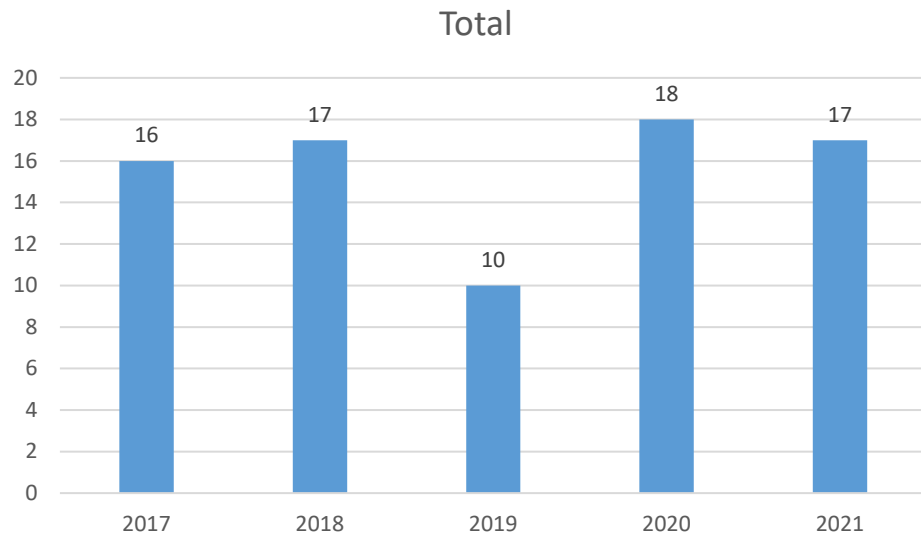
Figure 8: Annual Comparison of Enforcement Actions



Other violations that occurred during 2021 included 12 PWSs that received violations for failure to provide public notification by the regulatory prescribed deadline. Other PWSs with violations included three (3) failure to submit monthly operating report(s), one (1) failure to employ a

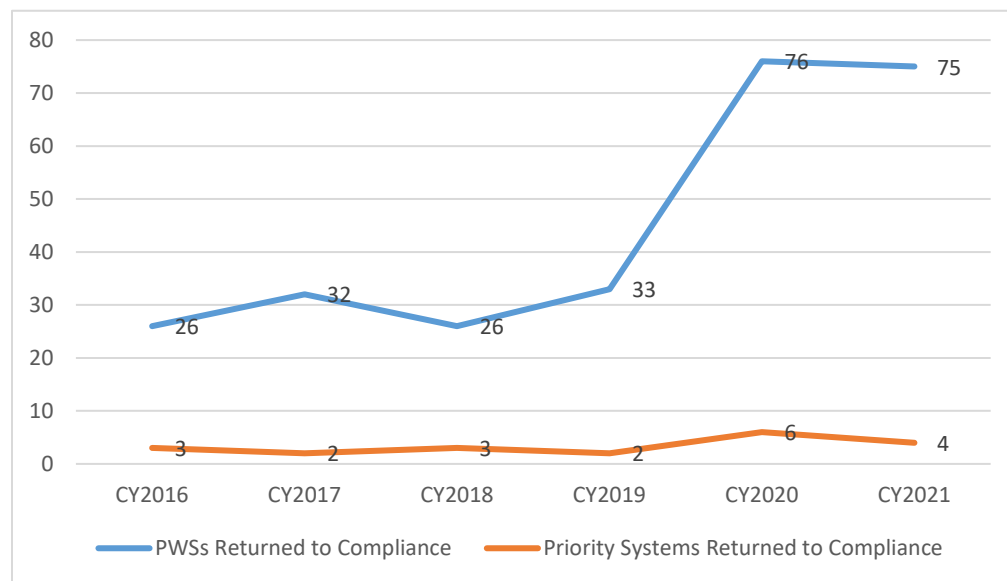
certified operator, and one (1) facility construction without a permit. Figure 9 shows a comparison of “Other” violations over the past five years.

Figure 9: Annual Comparison of “Other” Violations



During 2021, there was a total of 75 PWSs that returned to compliance. Some of the returns to compliance were applicable to violations incurred from previous years. As shown in Figure 8, out of the 75 PWSs that returned to compliance, four were priority systems.

Figure 10: Number of PWSs Returned to Compliance



Glossary

Annual Compliance Report

The Annual Compliance Report is an annual report of violations of the primary drinking water standards that the states provide to the EPA. Section 1414(c)(3) of the SDWA requires states to

provide EPA with an annual report of violations of the primary drinking water standards. This report provides the numbers of violations in each of six categories: Maximum Contaminant Levels (MCLs), Maximum Residual Disinfectant Levels (MRDLs), treatment techniques, variances and exemptions, significant monitoring violations, and significant consumer notification violations. Each quarter, primacy agencies submit data to the Safe Drinking Water Information System (SDWIS/FED), an automated database maintained by EPA. The EPA regional offices report the information for Wyoming, District of Columbia, and all Indian lands with exception to the Navajo Nation. EPA Regional offices also report federal enforcement actions taken. Data retrieved from SDWIS/FED form the basis of this report.

Consumer Notification (Consumer Confidence Report – CCR)

Every community water system is required to deliver to its customers a brief annual water quality report, ‘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.

Enforcement Targeting Tool (ETT)

The enforcement targeting tool is a calculation method used by EPA to identify and prioritize public water systems deemed to be out of compliance with drinking water rules and regulations. The ETT targets systems requiring formal enforcement action in order to facilitate a return to compliance.

Maximum Contaminant Level

Under the SDWA, the EPA sets national limits on contaminant levels in drinking water to ensure that the water is safe for human consumption. These limits are known as Maximum Contaminant Levels (MCLs).

Maximum Residual Disinfectant Level

The EPA sets national limits on residual disinfectant levels in drinking water to reduce the risk of exposure to disinfectant byproducts formed when public water systems add chemical disinfectant for either primary or residual treatment. These limits are known as Maximum Residual Disinfectant Levels (MRDLs).

Monitoring

A PWS is required to monitor and verify that the levels of contaminants present in the water do not exceed the MCL or MRDL. If a PWS fails to have its water tested as required or fails to report test results correctly to the primacy agent, a monitoring violation occurs.

Public Notification Violations

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

Public Water System (PWS)

A 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. PWSs can be community water systems “CWS” (such as towns), non-transient non-community water systems “NTNC” (such as schools or factories), or

transient non-community water systems “TNC” (such as rest stops or parks). For this report, when the acronym ‘PWS’ is used, it means systems of all types unless specified in greater detail.

Significant Monitoring Violations

For this report, significant monitoring violations are generally defined as any significant monitoring violation that occurred during the calendar year of the report. A significant monitoring violation, with rare exceptions, occurs when no samples were taken or no results were reported for a compliance period.

Significant Consumer Notification Violations

For this report, a significant consumer notification violation occurred if a community water system completely failed to provide its customers the required Consumer Confidence Report (CCR).

Treatment Techniques

For some regulations, the EPA establishes treatment techniques (TTs) in lieu of an MCL to control unacceptable levels of certain contaminants. For example, treatment techniques have been established for viruses, some bacteria, and turbidity.

Variations and Exemptions

A primacy state can grant a PWS a ‘variance’ from a primary drinking water regulation if the characteristics of the raw water sources available to the PWS do not allow the system to meet the MCL. To obtain a variance, the system must agree to install the best available technology, treatment techniques, or other means of limiting drinking water contamination that the state finds are available (taking costs into account), and the state must find that the variance will not result in an unreasonable risk to public health. The variance shall be reviewed not less than every 5 years to determine if the system remains eligible for the variance.

A primacy state can grant an ‘exemption’ temporarily relieving a PWS of its obligation to comply with an MCL or treatment technique or both, if the system's noncompliance results from compelling factors (which may include economic factors) and the system was in operation on the effective date of the MCL or treatment technique requirement. The state must 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.

Appendix A: Public Water System with Any Violations

Rule Family	PWS ID	PWS Name	County Served	PWS Type Code	Compliance Period Begin Date	Compliance Period End Date	Resolved Date
Consumer Confidence Rule	AL0000777	CHISHOLM HEIGHTS WATER & F P AUTHORITY	Lauderdale	CWS	10/19/1999		
Groundwater Rule	AL0000089	MT ANDREW WATER AUTHORITY	Barbour	CWS	5/13/2021		
Groundwater Rule	AL0000116	MIDWAY WATER WORKS	Bullock	CWS	9/1/2021	9/30/2021	10/1/2021
Groundwater Rule	AL0000275	COLEMAN LAKE USFS REC AREA	Cleburne	TNCWS	11/1/2020		2/2/2021
Groundwater Rule	AL0000831	SWAN CREEK COMMUNITY (ROYCE SWAN, LLC)	Limestone	CWS	7/1/2021		8/23/2021
Inorganic Chemicals	AL0000223	PEACH QUEEN KOA CAMPGROUNDS WATER SYSTEM	Chilton	TNCWS	1/1/2021	12/31/2021	
Inorganic Chemicals	AL0000255	GROVE HILL WATER WORKS	Clarke	CWS	1/1/2021	12/31/2021	
Inorganic Chemicals	AL0000316	HAWK PRIDE MT WATER SYSTEM	Colbert	CWS	1/1/2021	12/31/2021	
Inorganic Chemicals	AL0000561	FREEMANVILLE WATER SYSTEM	Escambia	CWS	7/1/2021	9/30/2021	
Inorganic Chemicals	AL0001137	FT MITCHELL WATER SYSTEM	Russell	CWS	1/1/2021	12/31/2021	
Inorganic Chemicals	AL0001794	EQUITY GROUP - EUFAULA DIVISION, LLC	Barbour	NTNCWS	1/1/2021	12/31/2021	
Inorganic Chemicals	AL0001817	DOLLAR GENERAL-BROADWAY GROUP, LLC	Clay	TNCWS	1/1/2020	12/31/2020	1/11/2021
Lead and Copper Rule	AL0000082	CLAYTON WATER WORKS & SEWER	Barbour	CWS	7/1/2021		
Lead and Copper Rule	AL0000233	CHOCTAW-EDNA WATER AUTHORITY, INC.	Choctaw	CWS	1/1/2021		4/13/2021
Lead and Copper Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	7/1/2021		
Lead and Copper Rule	AL0000364	GANTT WATER SYSTEM	Covington	CWS	6/1/2020		
Lead and Copper Rule	AL0000368	HEATH WATER SYSTEM	Covington	CWS	6/1/2020		
Lead and Copper Rule	AL0000566	MCCALL WATER SYSTEM INC	Escambia	CWS	1/11/2021		3/10/2021
Lead and Copper Rule	AL0000767	DETROIT WATER WORKS	Lamar	CWS	6/1/2020		
Lead and Copper Rule	AL0001046	EXCEL WATER SYSTEM	Monroe	CWS	7/1/2021		
Lead and Copper Rule	AL0001274	DAVISTON WATER SYSTEM (TOWN OF)	Tallapoosa	CWS	1/1/1994		
Lead and Copper Rule	AL0001516	HAMDEN RIDGE WATER AUTHORITY	Conecuh	CWS	1/1/1994		
Lead and Copper Rule	AL0001555	ALA. WAREHOUSE/LOWER POOL #2	Henry	NTNCWS	6/1/2020		
Lead and Copper Rule	AL0001555	ALA. WAREHOUSE/LOWER POOL #2	Henry	NTNCWS	7/1/2021		
Lead and Copper Rule	AL0001794	EQUITY GROUP - EUFAULA DIVISION, LLC	Barbour	NTNCWS	10/1/2019		

Public Notice Rule	AL0000089	MT ANDREW WATER AUTHORITY	Barbour	CWS	5/20/2021	
Public Notice Rule	AL0000108	SNEAD WATER WORKS	Blount	CWS	9/11/2021	10/26/2021
Public Notice Rule	AL0000118	UNION SPRINGS UTIL BOARD	Bullock	CWS	9/11/2020	10/9/2020
Public Notice Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	2/11/2021	3/25/2021
Public Notice Rule	AL0000366	WISE METALS GROUP, LLC (CONSTELLIUM)	Colbert	NTNCWS	1/1/2021	1/20/2021
Public Notice Rule	AL0000636	EUTAW WATER DEPARTMENT	Greene	CWS	1/11/2021	2/17/2021
Public Notice Rule	AL0000685	GORDON TOWN OF	Houston	CWS	9/11/2020	2/1/2021
Public Notice Rule	AL0000685	GORDON TOWN OF	Houston	CWS	10/11/2020	10/27/2020
Public Notice Rule	AL0000831	SWAN CREEK COMMUNITY (ROYCE SWAN, LLC)	Limestone	CWS	6/9/2021	8/23/2021
Public Notice Rule	AL0001022	SATSUMA WATER WORKS	Mobile	CWS	6/1/2021	6/8/2021
Public Notice Rule	AL0001097	MARION WATER DEPARTMENT	Perry	CWS	6/1/2021	6/28/2021
Public Notice Rule	AL0001439	SOUTH MARENGO CO WATER & FIRE PRO AUTH	Marengo	CWS	11/11/2020	12/3/2021
Public Notice Rule	AL0001764	CWM WATER AUTHORITY	Wilcox	CWS	11/11/2020	11/13/2020
Radionuclides	AL0000297	WAYNE FARMS LLC	Coffee	NTNCWS	8/21/2020	11/20/2020
Radionuclides	AL0000967	SOUTH ALABAMA UTILITIES WATER SYSTEM	Mobile	CWS	1/1/2016	12/31/2021
Radionuclides	AL0000971	DAUPHIN ISLAND WATER & SEWER	Mobile	CWS	7/10/2021	10/9/2021
Stage 1 Disinfectants and Disinfection Byproducts Rule	AL0000184	CHATTAHOOCHEE VALLEY WATER SUPPLY DIST	Chambers	CWS	1/1/2021	3/31/2021
Stage 1 Disinfectants and Disinfection Byproducts Rule	AL0001142	PHENIX CITY UTILITIES	Russell	CWS	1/1/2021	3/31/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000053	ORANGE BEACH WATER, SEWER AND F.P.A.	Baldwin	CWS	10/11/2020	12/31/2020 10/15/2020
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000068	SPANISH FORT WATER SYSTEM	Baldwin	CWS	6/17/2021	9/19/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000068	SPANISH FORT WATER SYSTEM	Baldwin	CWS	9/20/2021	12/19/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000161	OHATCHEE WATER SYSTEM	Calhoun	CWS	9/1/2020	8/31/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000188	CENTRE WATER & SEWER BOARD	Cherokee	CWS	10/1/2020	12/31/2020 3/2/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000244	PENNINGTON (UTILITIES BOARD OF)	Choctaw	CWS	5/25/2019	5/23/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	10/1/2020	12/31/2020
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	1/1/2021	3/31/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	4/1/2021	6/30/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000262	THOMASVILLE WATER WORKS & SEWER BOARD	Clarke	CWS	7/1/2021	9/30/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000266	CLAY COUNTY WATER AUTHORITY	Clay	CWS	7/16/2020	10/18/2020 2/10/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000266	CLAY COUNTY WATER AUTHORITY	Clay	CWS	10/22/2020	1/17/2021 2/10/2021

Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000266	CLAY COUNTY WATER AUTHORITY	Clay	CWS	1/12/2021	4/18/2021	5/6/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000266	CLAY COUNTY WATER AUTHORITY	Clay	CWS	4/13/2021	7/18/2021	11/4/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000351	GOODWATER WTR WORKS & SEWER BD (CITY OF)	Coosa	CWS	5/11/2021	8/15/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000351	GOODWATER WTR WORKS & SEWER BD (CITY OF)	Coosa	CWS	8/16/2021	11/14/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000402	EAST CULLMAN WATER SYSTEM	Cullman	CWS	11/17/2020	2/21/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000404	GARDEN CITY WATER DEPARTMENT	Cullman	CWS	1/1/2021	12/31/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000408	JOHNSONS CROSSING WATER SYSTEM	Cullman	CWS	11/17/2020	2/21/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000408	JOHNSONS CROSSING WATER SYSTEM	Cullman	CWS	2/18/2021	5/23/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000408	JOHNSONS CROSSING WATER SYSTEM	Cullman	CWS	6/16/2021	8/22/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000408	JOHNSONS CROSSING WATER SYSTEM	Cullman	CWS	8/18/2021	11/21/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000456	INTERNATIONAL PAPER COMPANY (SELMA)	Dallas	NTNCWS	9/1/2021	9/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000500	SOUTH DALLAS WATER AUTHORITY	Dallas	CWS	7/1/2020	6/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000502	JCG FOODS OF ALABAMA LLC	DeKalb	NTNCWS	12/9/2020	3/7/2021	7/1/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000502	JCG FOODS OF ALABAMA LLC	DeKalb	NTNCWS	3/26/2021	6/13/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000502	JCG FOODS OF ALABAMA LLC	DeKalb	NTNCWS	9/8/2021	12/12/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000539	MILLBROOK UTILITIES	Elmore	CWS	7/15/2021	10/17/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000598	GLEN ALLEN WATER SYSTEM	Fayette	CWS	7/1/2021	9/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000657	ABBEVILLE WATER WORKS & SEWER BOARD	Henry	CWS	9/1/2020	8/31/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000685	GORDON TOWN OF	Houston	CWS	7/1/2020	12/31/2020	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000800	TOWN CREEK WATER SYSTEM	Lawrence	CWS	11/18/2020	2/21/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000870	TUSKEGEE UTILITIES BOARD	Macon	CWS	5/20/2021	8/24/2021	12/9/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000870	TUSKEGEE UTILITIES BOARD	Macon	CWS	9/9/2021	11/23/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000878	HARVEST-MONROVIA WATER SYSTEM	Madison	CWS	9/11/2020	12/13/2020	2/25/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000878	HARVEST-MONROVIA WATER SYSTEM	Madison	CWS	3/4/2021	6/13/2021	7/2/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000878	HARVEST-MONROVIA WATER SYSTEM	Madison	CWS	6/10/2021	9/12/2021	7/1/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000878	HARVEST-MONROVIA WATER SYSTEM	Madison	CWS	9/9/2021	12/12/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000951	UNION GROVE UTILITY BOARD	Marshall	CWS	9/10/2020	12/20/2020	1/1/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000951	UNION GROVE UTILITY BOARD	Marshall	CWS	12/16/2020	3/14/2021	3/20/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0000951	UNION GROVE UTILITY BOARD	Marshall	CWS	3/10/2021	6/20/2021	10/5/2021

Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001015	PRICHARD WATER WORKS BOARD	Mobile	CWS	8/11/2020	11/15/2020	3/9/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001073	PINTLALA WATER SYSTEM, INC.	Montgomery	CWS	7/1/2021	9/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001085	FALKVILLE WATER WORKS	Morgan	CWS	11/30/2020	2/14/2021	7/5/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001085	FALKVILLE WATER WORKS	Morgan	CWS	2/24/2021	5/16/2021	9/24/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001085	FALKVILLE WATER WORKS	Morgan	CWS	5/14/2021	8/15/2021	12/3/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001085	FALKVILLE WATER WORKS	Morgan	CWS	8/13/2021	11/14/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001270	CAMP HILL UTILITIES BOARD	Tallapoosa	CWS	9/19/2020	12/20/2020	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001270	CAMP HILL UTILITIES BOARD	Tallapoosa	CWS	12/21/2020	3/14/2021	4/9/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001270	CAMP HILL UTILITIES BOARD	Tallapoosa	CWS	3/11/2021	6/20/2021	7/6/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001324	CARBON HILL UTILITIES BOARD	Walker	CWS	11/20/2020	2/21/2021	6/14/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001324	CARBON HILL UTILITIES BOARD	Walker	CWS	2/25/2021	5/23/2021	9/25/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001324	CARBON HILL UTILITIES BOARD	Walker	CWS	5/21/2021	8/22/2021	12/4/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001324	CARBON HILL UTILITIES BOARD	Walker	CWS	8/20/2021	11/21/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001345	PROVIDENCE WATER AUTHORITY	Walker	CWS	1/14/2021	4/13/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001411	HALEYVILLE WATER WORKS & SEWER BOARD	Winston	CWS	7/16/2021	10/17/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001433	GOLDEN ROD BROILERS	Cullman	NTNCWS	4/1/2021	6/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001513	MID-CENTRAL WATER AUTHORITY	Clarke	CWS	10/1/2020	12/31/2020	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001513	MID-CENTRAL WATER AUTHORITY	Clarke	CWS	1/1/2021	3/31/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001513	MID-CENTRAL WATER AUTHORITY	Clarke	CWS	4/1/2021	6/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001513	MID-CENTRAL WATER AUTHORITY	Clarke	CWS	7/1/2021	9/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001721	DORA UTILITIES	Walker	CWS	1/12/2021	4/18/2021	5/15/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001721	DORA UTILITIES	Walker	CWS	4/30/2021	7/18/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001721	DORA UTILITIES	Walker	CWS	7/14/2021	10/17/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001764	CWM WATER AUTHORITY	Wilcox	CWS	10/1/2020	12/31/2020	6/17/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001764	CWM WATER AUTHORITY	Wilcox	CWS	1/1/2021	3/31/2021	6/17/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001771	NORTH CLARKE WATER AUTHORITY	Clarke	CWS	10/1/2020	12/31/2020	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001771	NORTH CLARKE WATER AUTHORITY	Clarke	CWS	7/1/2021	9/30/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001783	BLOUNT COUNTY WATER	Blount	CWS	9/9/2020	12/13/2020	2/10/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001783	BLOUNT COUNTY WATER	Blount	CWS	12/2/2020	3/7/2021	5/6/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001783	BLOUNT COUNTY WATER	Blount	CWS	3/2/2021	6/13/2021	8/9/2021

Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001783	BLOUNT COUNTY WATER	Blount	CWS	6/8/2021	9/12/2021	11/4/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001796	DEKALB-JACKSON WATER SUPPLY DISTRICT	Jackson	CWS	10/1/2020	12/31/2020	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001796	DEKALB-JACKSON WATER SUPPLY DISTRICT	Jackson	CWS	1/1/2021	3/31/2021	7/12/2021
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001796	DEKALB-JACKSON WATER SUPPLY DISTRICT	Jackson	CWS	1/1/2021	3/31/2021	
Stage 2 Disinfectants and Disinfection Byproducts Rule	AL0001805	COOSA VALLEY WATER SUPPLY DISTRICT	St. Clair	CWS	7/1/2021	9/30/2021	
Surface Water Treatment Rules	AL0001160	MONTEVALLO WATER WORKS & SEWER	Shelby	CWS	8/2/2021		
Synthetic Organic Chemicals	AL0000017	PRATTVILLE (WATER WORKS BOARD OF)	Autauga	CWS	10/11/2020	12/31/2020	10/13/2020
Total Coliform Rules	AL0000025	BELFOREST WATER SYSTEM	Baldwin	CWS	5/1/2021	5/31/2021	7/12/2021
Total Coliform Rules	AL0000083	CLIO WATER WORKS	Barbour	CWS	4/1/2021	4/30/2021	6/10/2021
Total Coliform Rules	AL0000088	LOUISVILLE WATER WORKS	Barbour	CWS	4/1/2021	4/30/2021	6/10/2021
Total Coliform Rules	AL0000089	MT ANDREW WATER AUTHORITY	Barbour	CWS	6/20/2021		
Total Coliform Rules	AL0000116	MIDWAY WATER WORKS	Bullock	CWS	4/1/2021	4/30/2021	6/10/2021
Total Coliform Rules	AL0000223	PEACH QUEEN KOA CAMPGROUNDS WATER SYSTEM	Chilton	TNCWS	10/1/2020	10/31/2020	11/10/2020
Total Coliform Rules	AL0000359	FLORALA REST AREA (U.S. 331)	Covington	TNCWS	2/16/2021		4/2/2021
Total Coliform Rules	AL0000388	GLENWOOD WATER WORKS	Crenshaw	CWS	7/1/2021	7/31/2021	9/4/2021
Total Coliform Rules	AL0000622	GENEVA WATER WORKS	Geneva	CWS	7/1/2021	7/31/2021	9/1/2021
Total Coliform Rules	AL0000664	HEADLAND WATER WORKS	Henry	CWS	1/1/2021	1/31/2021	3/2/2021
Total Coliform Rules	AL0000677	COTTONWOOD WATER WORKS	Houston	CWS	6/1/2021	6/30/2021	8/4/2021
Total Coliform Rules	AL0000681	DOTHAN UTILITIES (CITY OF)	Houston	CWS	12/1/2020	12/31/2020	2/9/2021
Total Coliform Rules	AL0000788	LEXINGTON WATER WORKS AND SEWER	Lauderdale	CWS	1/1/2021	1/31/2021	3/2/2021
Total Coliform Rules	AL0001105	GORDO WTR GAS & SEWER BOARD	Pickens	CWS	2/1/2021	2/28/2021	4/7/2021
Total Coliform Rules	AL0001130	WADLEY UTILITIES BOARD	Randolph	CWS	1/1/2021	1/31/2021	3/3/2021
Total Coliform Rules	AL0001222	SUMTER COUNTY WATER AUTHORITY	Sumter	CWS	1/1/2021	1/31/2021	3/2/2021
Total Coliform Rules	AL0001433	GOLDEN ROD BROILERS	Cullman	NTNCWS	1/1/2021	1/31/2021	3/8/2021
Total Coliform Rules	AL0001764	CWM WATER AUTHORITY	Wilcox	CWS	7/1/2021	7/31/2021	9/4/2021
Volatile Organic Chemicals	AL0000314	COLBERT COUNTY RURAL WATER SYSTEM	Colbert	CWS	7/1/2021	9/30/2021	
Volatile Organic Chemicals	AL0000378	RED LEVEL WATER WORKS	Covington	CWS	4/1/2021	6/30/2021	
Volatile Organic Chemicals	AL0000713	BRIDGEPORT UTILITIES BOARD	Jackson	CWS	7/1/2021	9/30/2021	
Volatile Organic Chemicals	AL0000967	SOUTH ALABAMA UTILITIES WATER SYSTEM	Mobile	CWS	4/1/2021	6/30/2021	

Volatile Organic Chemicals	AL0001021	SARALAND WATER SERVICE	Mobile	CWS	1/1/2020	12/31/2020
Volatile Organic Chemicals	AL0001139	HURTSBORO WATER & SEWER BOARD	Russell	CWS	7/1/2021	9/30/2021
Volatile Organic Chemicals	AL0001420	ARDMORE WATER SYSTEM	Limestone	CWS	7/1/2021	9/30/2021

Appendix B – Violation Tables by Individual Contaminant Code

Table B.1 – Synthetic Organic Contaminants

State: Alabama
Reporting Interval: 2021

	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	0	0			1	1
2,4,5-TP	0.05	0	0			1	1
2,4-D	0.07	0	0			1	1
Atrazine	0.003	0	0			1	1
Benzo[a]pyrene	0.0002	0	0			1	1
Carbofuran	0.04	0	0			1	1
Chlordane	0.002	0	0			1	1
Dalapon	0.2	0	0			1	1
Di(2-ethylehexyl)adipate	0.4	0	0			1	1
Di(2-ethylehexyl)phthalate	0.006	0	0			1	1
Dinoseb	0.007	0	0			1	1
Diquat	0.02	0	0			1	1
Endothall	0.1	0	0			1	1
Endrin	0.002	0	0			1	1
Ethylene dibromide	0.0005	0	0			1	1
Glyphosate	0.7	0	0			1	1
Heptachlor	0.0004	0	0			1	1
Heptachlor epoxide	0.0002	0	0			1	1
Hexachlorobenzene	0.001	0	0			1	1
Methoxychlor	0.04	0	0			1	1
Oxamyl (Vydate)	0.2	0	0			1	1
Pentachlorophenol	0.001	0	0			1	1
Picloram	0.5	0	0			1	1
Simazine	0.004	0	0			1	1

State: Alabama

Reporting Interval: 2021

	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Total polychlorinated biphenyls	0.0005	0	0			1	1
Toxaphene	0.003	0	0			1	1
Total trihalomethanes	0.08	10	5			60	31
Haloacetic acids	0.06	7	3			55	29

Table B.2 – Volatile Organic Chemicals

State: Alabama
Reporting Interval: 2021

	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
1,1,1-Trichloroethane	0.2	0	0			7	7
1,1,2-Trichloroethane	0.005	0	0			7	7
1,1-Dichloroethylene	0.007	0	0			7	7
1,2,4-Trichlorobenzene	0.07	0	0			7	7
1,2-Dichloroethane	0.005	0	0			7	7
1,2-Dichloropropane	0.005	0	0			7	7
2,3,7,8-TCDD (Dioxin)	3x10 ⁻⁸	0	0				
Acrylamide				0	0		
Alachlor	0.002	0	0			0	0
Benzene	0.005	0	0			7	7
Carbon Tetrachloride	0.005	0	0			7	7
cis-1,2-Dichloroethylene	0.07	0	0			0	0
Dichloromethane	0.005	0	0			7	7
Epichlorohydrin						0	0
Ethylbenzene	0.7	0	0			7	7
Hexachlorocyclopentadiene	0.05	0	0			0	0
Lindane	0.0002	0	0			0	0
Monochlorobenzene	0.1	0	0			0	0
o-Dichlorobenzene	0.6	0	0			7	7
para-Dichlorobenzene	0.075	0	0			7	7
Styrene	0.1	0	0			7	7
Tetrachloroethylene	0.005	0	0			7	7
Toluene	1	0	0			7	7
trans-1,2-Dichloroethylene	0.1	0	0			7	7

State: Alabama

Reporting Interval: 2021

	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Trichloroethylene	0.005	0	0			7	7
Vinyl chloride	0.002	0	0			7	7
Xylenes (total)	10	0	0			7	7
Chlorite	1.0	0	0			0	0
Bromate	0.01	0	0			0	0
Total organic carbon				0	0	2	2

Table B.3 – Inorganic Contaminants

State: Alabama

Reporting Interval: 2021

Analyte	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Antimony	0.006	0	0			0	0
Arsenic	0.05	0	0			0	0
Asbestos	7 million fibers/ l \leq 10 μ m long	0	0			0	0
Barium	2	0	0			0	0
Beryllium	0.004	0	0			0	0
Cadmium	0.005	0	0			0	0
Chromium	0.1	0	0			0	0
Cyanide (as free cyanide)	0.2	0	0			0	0
Fluoride	4	0	0			0	0
Mercury	0.002	0	0			0	0
Nitrate	10 (as Nitrogen)	0	0			7	7
Nitrite	1 (as Nitrogen)	0	0			0	0
Selenium	0.05	0	0			0	0
Thallium	0.002	0	0			0	0
Total nitrate and nitrite	10 (as Nitrogen)	0	0			0	0
Subtotal		0	0	0	0	7	7

Table B.4 – Radionuclide Contaminants

State: Alabama
Reporting Interval: 2021

Analyte	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Gross alpha	15 pCi/l	0	0			3	3
Radium-226 and radium-228	5 pCi/l	0	0			1	1
Gross beta	4 mrem/yr	0	0			1	1

Table B.5 – Microbiological Contaminants

State: Alabama
Reporting Interval: 2021

Violation Type	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Acute MCL violation	Presence	1	1				
Non-acute MCL violation	Presence	1	1				
Major routine and follow up monitoring						17	17
Sanitary survey						0	0
Subtotal		1	1			17	17

Table B.6 – Surface Water Treatment Rule

State: Alabama
Reporting Interval: 2021

Violation Type	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Filtered systems							
Monitoring, routine/repeat						0	0
Treatment techniques				0	0		
Unfiltered systems*							
Monitoring, routine/repeat						0	0
Failure to filter				1	1		
Subtotal				1	1	0	0

*There is one unfiltered surface source system in Alabama.

Table B.7 – Lead and Copper Rule

State: Alabama
Reporting Interval: 2021

Violation Type	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Initial, Follow up, or Routine Source Water M/R						1	1
Initial lead and copper tap M/R						2	2
Follow up or routine lead and copper tap M/R						9	8
Treatment installation required				0	0		
Public education required				0	0		
Failure to Notify Customers						1	1
Subtotal				0	0	13	12

Table B.8 – Other Rules

State: Alabama
Reporting Interval: 2021

Rule Name	MCL (mg/l)	MCLs		Treatment Techniques		Significant Monitoring/Reporting	
		Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations	Number of Violations	Number of Systems with Violations
Consumer Confidence Rule						1	1
Public Notification Rule						13	12
Groundwater Rule				1	1	2	2
Subtotal				0	0	16	15

How to Obtain a Copy of the 2021 Public Water Systems Report

As required by the Safe Drinking Water Act, the Alabama Department of Environmental Management Drinking Water Program has made the Alabama 2021 Public Water Systems Annual Compliance Report available to the public. Interested individuals can obtain a copy of the 2021 Annual Public Water Systems Report for Alabama by accessing the Drinking Water Program webpage, or by contacting Benny Laughlin.

ADEM website: www.adem.alabama.gov

Address of Responsible State Department: 1400 Coliseum Boulevard, Montgomery, AL 36110

Contact:

Benny Laughlin

bal@adem.alabama.gov

Phone: (334) 271-7775