



# DRINKING WATER BRANCH

## FY2017 ANNUAL REPORT

APRIL 2018



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**FY2017 ANNUAL REPORT**  
**DRINKING WATER BRANCH-WATER DIVISION**  
**ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

**Program Management and Administration**

The Drinking Water Branch currently employs eight environmental engineers, six environmental scientists, four administrative assistants, and three supervisors.

ADEM's Drinking Water Branch regulates "public water systems." There are two categories of public water systems regulated by the Drinking Water Branch: community water systems, and non-community water systems.

Community water systems serve the same people year-round. Examples of community water systems include water systems owned and operated by cities, towns, counties, and mobile home parks. At the end of FY2017, there were 515 community water systems in Alabama.

Non-community water systems are water systems that serve the public but do not serve the same people year-round. There are two types of non-community water systems: non-transient and transient. A non-transient non-community water system serves the same people more than six months per year, but not year-round. Examples of non-transient non-community water systems include schools and industries that have their own water supply system. At the end of FY2017, there were 23 non-transient non-community water systems in Alabama. A transient non-community water system serves the public, but not the same individuals, at least 60 days per year. Examples of transient non-community water systems include rest areas and campgrounds that have their own water supply system. At the end of FY2017, there were 46 transient non-community water systems in Alabama.

During FY2017, the Drinking Water Branch conducted 647 site visits, including 581 inspections (i.e. sanitary surveys, technical assistance, etc.) and 46 sampling visits. The Branch issued, renewed, or modified 131 permits in FY2017. There were four Notices of Violation (NOV) and two Consent Orders (CO) issued in FY2017.

**Public Participation**

Branch staff continued to be very active in numerous water industry organizations, including making presentations and attending the following:

- Alabama Dept. of Economic and Community Affairs Meetings,
- Community Development Block Grant (CDBG) Project Meetings,
- Alabama Rural Water Association (ARWA) Annual Conference,
- ARWA District Meetings (Board Member Training),
- Alabama Water and Pollution Control Association (AWPCA) – Short Course School,
- AWPCA Regional Training,
- AWPCA Annual Conference

- American Water Works Assoc. (AWWA) Alabama/Mississippi Section Annual Conference,
- ADEM Surface Water Treatment Workshop,
- AWWA Teleconferences,
- EPA Regional Finance Forum,
- EPA Multi-Regional Capacity Development & Operator Certification Workshop,
- Association of State Drinking Water Administrators (ASDWA) Spring Conference,
- ASDWA Annual Conference, and
- County Groundwater Festivals

### **Permitting Activities**

In order to operate, a public water system is required to have a valid permit issued by ADEM. Community water system permits are valid for six years and non-community water system permits are valid for ten years. Before a permit can be considered for renewal, an application package (application, fee, and any additional information required) must be submitted to ADEM for review and processing. The district inspector responsible for ensuring a water system complies with Department regulations reviews the information on the application and in the system files before issuing the renewal permit. Special conditions are included in some permits to correct system deficiencies, to address areas of non-compliance, or to place requirements on a system that are not specifically addressed in the permit general conditions. For water purchased from other public water systems, copies of the purchase contracts are required as a part of the application process to ensure that each purchase system has a legal contract for an adequate water supply.

In FY2017, operating permits were issued/renewed for 117 water systems, and 14 permit modifications were issued for changes in ownership, consolidation of water systems, facility name changes, or other changes. Table 1 contains the breakdown of Operating Permit activity.

**TABLE 1  
OPERATING PERMIT SUMMARY**

<b>Type</b>	<b>Community</b>	<b>Transient Non- Community</b>	<b>Non Transient Non- Community</b>	<b>Total</b>
Water System Permit Renewals	99	15	3	117
New Water Systems Activated	0	0	1	1
Water Systems Inactivated	0	0	2	2

Public water systems must obtain a permit prior to the start of construction on any major addition (e.g. storage tanks, booster pump stations, new sources, and significant water main additions). A satisfactory application package (permit application, fee, and plans/specifications stamped by a professional engineer) must be received before ADEM will issue a construction permit. Upon issuance of the permit, the project information is logged into a database and its progress is tracked through monthly reports submitted by the consulting engineer for the project. Staff engineers reviewed and issued 42 construction permits in FY2017.

Approval to place the permitted project into service is given after submittal of the required information. This information includes a project completion form with material quantities and final costs, satisfactory bacteriological results, and pressure test results. An on-site final inspection of the new facilities is generally not required. Record drawings must be provided to ADEM within 30 days of the final inspection or completion on the project. A new water system becomes a regulated public water system when a compliance activation date is set and monitoring requirements are established. Table 2 lists public water system construction permit activities.

**TABLE 2**  
**CONSTRUCTION PERMIT SUMMARY**

<b>Facility/Equipment</b>	<b>Permitted for Construction</b>	<b>Placed into Service</b>
Miles of Water Main	130.4	70.1
Customer Services	1805	503
Fire Hydrants	230	108
Wells and Capacity (GPM)	5 @ 1,550 combined	3 @ 1,900 combined
New Water Treatment Plants (MGD)	2 @ 4.16 combined	1 @ 12
Additions to WT Plants	N/A	N/A
Tanks and Capacity (MG)	8 @ 4.25 combined	4 @ 6.6 combined
Final Project Cost	N/A	\$19,215,794.13

### **Water System Inspection Activities**

The Branch staff inspects all community and non-community systems on an annual basis. At a minimum, every third year a sanitary survey is conducted on each water system in lieu of an annual inspection. The goal of these inspections is to review the required documentation maintained at the Department and water system office, discuss system operation and maintenance policies, check chlorine residuals, pH, and iron content, and visually inspect the system facilities to confirm proper operation and maintenance. During these inspections, the Branch staff offers technical assistance to water system personnel to improve system operation. Issues such as deteriorating equipment, inadequate water storage tank maintenance, proposed or new regulations, public relations, operator certification, water conservation plans, bacteriological/chemical monitoring plans, monitoring/reporting violations, and proposed or ongoing construction projects are frequently discussed. Additional visits to water systems are performed to finalize construction projects, address customer complaints and monitoring violations, conduct susceptibility analysis of sources, and attend board/council meetings

A total of 581 inspections (336 sanitary surveys and 245 annual inspections) were conducted in FY2017. Appendix A lists water system inspection activities.

### **SDWIS/State Activities**

In FY2017, the Drinking Water Branch continued to use its database of record, SDWIS/STATE Web Release 3.32. CDS continued to be utilized for automated compliance determination and sample tracking. Two Drinking Water Branch representatives attended the 2017 ASDWA/EPA

Data Management Users Conference in Cincinnati, OH during May, 2017 to receive continuing education regarding the SDWIS/STATE program. Continuing education was provided in Cincinnati regarding the planned move by EPA and primacy agencies to SDWIS Prime during 2018. The Branch continued to report Drinking Water Branch Data to EPA using FedRep, which is part of the Modernized Data Flow System implemented by EPA. Data was reported via XML format using FedRep.

The Information Systems Branch is continuing to develop the electronic data reporting system (eDWRs) for the Drinking Water Branch. This system is used by certified laboratories and water systems to submit data electronically via XML. The health department and several other laboratories have started using eDWRs to submit their data in XML format. Data submitted via XML is directly uploaded into SDWIS/STATE.

### **Drinking Water Security Program**

The protection of public infrastructure is a cornerstone of Alabama's Homeland Security program, especially public drinking water supplies; therefore, the Drinking Water Branch assists water systems to ensure the safety of Alabama's drinking water supply.

The Drinking Water Branch continues to conduct security inspections and assist drinking water utilities with emergency response, as well as provide technical assistance and information to utilities, consultants, Department staff, and the general public.

The Branch maintains a list of Standard Operating Procedures (SOPs) designed to ensure prompt and efficient responses between the utility, public health personnel, law enforcement, medical, and other emergency responders in the event of an intentional, natural, or terrorist act involving public water systems.

To more efficiently communicate with the drinking water utilities in the State, the Branch is constantly updating and maintaining the Drinking Water Utility e-mail distribution list. In addition, periodic reviews of the Water ISAC (Information Sharing & Analysis Center) are performed to glean security information that can be passed along to the utilities by e-mail.

### **Capacity Development Program**

The Safe Drinking Water Act (SDWA) requires states to develop a Water System Capacity Development Strategy and Implementation Plan. The basis of ADEM's plan is to limit the development of non-viable systems. Procedures established by this plan were incorporated into a Capacity Development Strategy which has been utilized to reduce the number of systems that do not have the technical, financial, or managerial ability to operate in accordance with state and federal requirements. An aspect of this plan involves partnering with the ARWA.

In FY2017, ADEM contracted with the ARWA for their assistance to water systems that were having difficulty in complying with regulations and needed significant improvement in their technical, managerial, and financial capacity. ARWA aided one small system's financial capacity by providing assistance with a financial review and rate study once an audit was completed. They are also presently working to facilitate a merger between two systems and are continuing assistance

with a system that has managerial capacity issues. The Drinking Water Branch continues to work with these systems to correct any deficiencies noted by ARWA that have yet to be resolved.

Also for FY2017, ADEM prepared the Annual Capacity Development Implementation Report and submitted it to EPA. This report profiled The Department's work with public drinking water systems to improve their technical, financial, and managerial abilities.

### **Consumer Confidence Report Program**

The 1996 amendments to the Safe Drinking Water Act require community water systems to provide an annual Consumer Confidence Report (CCR) to their customers. The content of the CCR and delivery method is specified in ADEM's Drinking Water regulations (ADEM Admin. Code 335-7-14). The CCR includes information for each calendar year and is delivered to customers and the Drinking Water Branch no later than July 1 of the following year. In addition to the copy of the CCR supplied to the Branch, a water system must also certify by July 1 the CCR delivery method met ADEM's Drinking Water regulations. This Annual Report covers the calendar year 2016 CCRs, which were due by July 1, 2017. Of the 523 water systems required to complete a CCR and Certification Form, all (100%) met the submittal deadline.

### **Potability Certificate Program**

There is an agreement with the US Department of Agriculture (USDA) and the Alabama Department of Public Health (ADPH) for ADEM to issue water potability certificates to meat processing facilities, ice producing facilities and dairies. These facilities are required to submit biannual bacteriological results and maintain a free chlorine residual of one part per million (ppm). Based on the review of these bacteriological results, renewal of the certificate is either granted or denied. In FY2017, a total of two potability certificates were issued. They were both renewals.

### **Bottled Water Program**

The Drinking Water Branch is responsible for approving bottled water sources and maintains a database of approved sources in the state. An informational package is mailed to persons interested in the development of a bottled water source. This package lists the steps needed for approval of a bottled water source. Treatment of the source is based on its raw water quality. A Branch representative conducts an on-site inspection of the source and its treatment facility and issues an initial approval or non-approval of the bottled water source. After approval of a source, the Food and Drug Administration, through an agreement with ADPH, is responsible for the regulation of all bottled water facilities.

No new bottled water sources were approved in FY2017. Currently, there are four approved sources of bottled water in Alabama. These four sources include one municipal spring and three private wells.

### **Water Well Driller Licensing Program**

ADEM's Permits & Services Division administers the Water Well Licensing program for the state of Alabama. In FY2017, 132 well driller licenses were issued. Of the total number of licenses issued, nine were new licensees. In FY2017, ADEM issued an Administrative Order to one entity that was identified to be drilling wells without a valid license. One Warning Letter and one Notice of Violation were issued to a licensed well driller addressing violations of the Water Well Standards Program.

Applicants may apply to take the Alabama Water Well Driller's License exam with LaserGrade Computer Based Testing at [www.lasergrade.com](http://www.lasergrade.com) or call 1-800-211-2754. The exams can be taken any time during business hours and are administered at approved locations. ADEM also has reciprocity agreements with most other states, thus allowing well drillers another avenue for obtaining licensing in Alabama.

### **Source Water Assessment Program (SWAP) – Surface Water Sources**

The 1996 amendments to the SDWA require a SWAP be completed for “surface” sources. Under the amendments, a surface source was to include sources traditionally classified as such – rivers, creeks, lakes, as well as other sources designated as Groundwater Under the Direct Influence of surface water (GUDI). Alabama has completed a SWAP for all permitted surface water sources. In FY2017, there were 81 water systems utilizing 114 active sources classified as surface water.

A surface water SWAP must be completed prior to issuing a permit to construct the intake at the source. A water system is required to review its SWAP prior to submitting its permit renewal application package (every six years for community and ten years for non-community water systems). The assessments are to be updated when there is a significant change in the contaminant inventory or susceptibility analysis. A completed SWAP for a surface water source must include the following:

- Delineation of the watershed,
- Contaminant source inventory,
- Susceptibility analysis of each possible contaminant source in the inventory,
- Contingency plan, and
- A public awareness requirement

The majority of potential contaminant sites within the source water assessment areas have been given a “low susceptibility” ranking. The main reason for these low rankings is that many of the raw water sources were designated for drinking water at the time of construction, and therefore, public use is controlled. The majority of potential contaminant sites stem from highway bridge crossings where vehicular traffic may be high but the potential for a “contamination event” is relatively low.

### **Source Water Assessment (SWAP) – Groundwater Sources**

All public water supply systems with ground water sources have completed a SWAP for each of their existing sources. All water systems are required to update their SWAPs when applying for reissuance of their permits-to-furnish water. All new groundwater sources must have a completed



SWAP, prior to using the source for potable water. A completed SWAP for a groundwater source must include the following:

- Delineation of the source water assessment area (SWAA),
- An inventory of the possible contaminant sources within the SWAA,
- A susceptibility analysis of each possible contaminant source in the inventory, and
- A public awareness requirement

Alabama received eight SWAPs for eight new or expanded groundwater sources in FY2017. Eight of these reports were submitted from existing public water systems. SWAPs have been finalized for seven of the new well sources. For the remaining groundwater source, the SWAP is currently in the process of being reviewed and finalized.

### **Wellhead Protection Program**

The wellhead protection program is regulated through the Drinking Water regulations, but is administered by a staff member in ADEM's Groundwater Branch.

Underground storage tanks (UST) are potential significant sources of chemical contaminants in groundwater in Alabama. Approximately 294 UST compliance inspections were completed within wellhead protection areas. During FY2017, approximately 218 corrective action sites were located in designated wellhead protection areas or within one mile of public drinking water wells.

The 2017 Alabama Groundwater Conference was held on June 14. There were approximately 111 registered attendees.

ADEM continues to support and be part of the Groundwater Guardian Program. ADEM was designated a Groundwater Guardian Affiliate for the twenty-first year. Two communities were designated Groundwater Guardians during the reporting period: Limestone County and New Brockton/Coffee County.

The Groundwater Festival Program continues to be a part of the Wellhead Protection Program by providing a structured outreach and education event. It provides an avenue for utilities to become involved in and initiate drinking water education programs in their service area. ARWA, with input from ADEM, continues to maintain the Water Festival website. Twenty-eight (28) Groundwater or Water Festivals were hosted. Approximately 22,000 students participated in festivals during the reporting period. The ADEM Groundwater Branch, with the assistance of the ADEM Office of Education and Outreach, manages the State program and coordinates an average of three festival committees per year. The ARWA groundwater and source water technicians provide volunteer hours to several groundwater festivals per year and provide teacher training in preparation for the festivals. Funding to support the program is provided through an ADEM grant program. Festival committees can apply annually for a \$1,000 grant.

## **Area Wide Optimization Program (AWOP) Participation**

ADEM continued to be a proactive participant in the U.S. EPA Region 4 Area Wide Optimization Program (AWOP). 2017 marked the 20th year of ADEM's involvement in AWOP. AWOP is a program designed to optimize performance of water systems beyond regulatory limits to provide increased public health protection. The program sets goals for turbidity at surface water treatment plants, disinfection byproducts (DBP), chlorine residual, storage tanks and other parameters. The AWOP team then assists water systems in meeting these goals through various activities. Below is a list of activities conducted in FY2017.

- Each surface water engineer and inspector has made AWOP a priority for the systems in their district and incorporates AWOP principles into their daily activities. This includes discussions with water systems about AWOP goals during inspections. Additionally, two ground water engineers and one inspector have participated in AWOP events in FY2017.
- ADEM held the 19<sup>th</sup> Annual Surface Water Meeting in October 2016. Approximately 300 individuals attended the 1 ½ day meeting. At the meeting, 62 Optimization Awards were awarded to water treatment plants that meet the microbial optimization goals during calendar year 2015. These 62 WTPs provide water to approximately 2.26 million Alabamians.
- ADEM staff attended the Region 4 AWOP planning meeting and workshop in March 2017 (Nashville, TN). Additionally, ADEM staff attended the AWOP National Meeting held in Cincinnati, OH in August 2017.
- ADEM conducted Session 1 of Modular Distribution Performance Based Training with Communities Unlimited (RCAP) in November 2016. Four water systems attended the training session.
- ADEM conducted three sessions of Distribution Performance Based Training during FY2017. The sessions were held on November 9, 2016, February 15, 2017 and May 31, 2017. The water systems in attendance were Beulah, Chattahoochee Valley, East Alabama, Huguley, and Lafayette.
- ADEM started a new series of Distribution Performance Based Training during FY2017. The first session was held on June 27, 2017. The water systems in attendance were Central Elmore, Lake Mitchell, Parker Creek, and Rockford.
- ADEM participated in the Alabama Water Pollution Control Association's Annual Short Course School in September 2017 which was held in Orange Beach, AL.
- Two ADEM staff members attended a Distribution System Comprehensive Performance Evaluations (DS CPE) of the Concord, NC water system in September 2017. This was a training event for these two individuals to learn how to conduct a DS CPE.
- ADEM continues to track distribution system performance in relation to the DBP goals on a quarterly basis. Based upon the 3<sup>rd</sup> Quarter 2017 data, 180 of 242 (75%) distribution systems on quarterly DBP monitoring met all the DBP goals.

## **Enforcement Activities**

Drinking Water Branch enforcement activities are shown in Table 3. A total of 53 violation letters (e.g. – Maximum Contaminant Level (MCL) exceedances, Monitoring and Reporting violations, state (non-federal) violations, etc.) were mailed to water systems during FY2017.

**TABLE 3**  
ENFORCEMENT ACTIONS

Enforcement Action	No.
Violation Letters	<b>53</b>
Compliance Meetings	<b>0</b>
Violation Follow-ups	<b>0</b>
Notices of Violation	<b>4</b>
Show Cause Hearings	<b>1</b>
Consent Orders	<b>2</b>
Unilateral Orders	<b>0</b>
Court Cases	<b>0</b>

Four Notices of Violation (NOVs) were issued for systems incurring multiple violations or having multiple deficiencies at one time. Two consent orders were issued, one which included a financial penalty. One order was issued for numerous system operation and maintenance issues and one was issued for several Disinfection Byproduct MCL violations. A show cause meeting was held on October 4, 2016. ADEM did not enter into any court cases during FY2017.

### **Bacteriological Monitoring and Compliance**

On December 1, 2014, the Revised Total Coliform Rule went into effect in Alabama. The two major changes in the revised rule that affected water systems in Alabama were the replacement of the total coliform maximum contaminant level (MCL) with assessments and the elimination of the requirement for small systems to collect five distribution bacteriological samples in the month following the occurrence of a total coliform positive sample. There were two types of assessments in the new rule; a Level One Assessment is required anytime a system collecting less than 40 compliance samples has more than one total coliform-positive in a month or a system collecting more than 40 compliance samples has more than five percent of their total samples in a month coliform-positive. A Level Two Assessment is required when a system incurs an E. Coli MCL violation or has more than one Level One Assessment required in a rolling twelve month period.

The following is a summary for FY2017:

- 515 community water systems were required to monitor monthly for bacteriological contaminants. No system incurred an E. Coli MCL violation. 22 systems were required to conduct a Level One Assessment, and one system was required to conduct a Level Two Assessment (because of two Level One Assessments within a rolling 12 month period). Ten systems incurred monitoring violations, with three systems incurring more than one monitoring violation during FY2017.
- 94.1% of community water systems were in compliance with monitoring and reporting requirements, and 95.7% were in compliance with assessment standards or requirements. FY2017 compliance rates were approximately the same as FY2016.
- 24 Non-Transient Non-Community (NTNC) water systems were required to monitor for bacteriological contaminants each month they were providing potable water. No NTNC

water system incurred an MCL or monitoring violation, and no systems were required to conduct an assessment.

- 48 Transient Non-Community (TNC) water systems were required to monitor for bacteriological contaminants each month they were providing potable water. No systems incurred E. Coli MCL violations. Four systems was required to conduct a Level One Assessment and two systems were required to conduct a Level Two Assessment. Four systems incurred monitoring violations, and one system incurred more than one monitoring violation during FY2017.
- 91.7% of Transient Non-Community systems were in compliance with monitoring and reporting requirements, and 88.6% of the systems were in compliance with assessment standards and requirements. FY 2017 compliance rates were higher than FY2016 for monitoring/reporting requirements and lower for assessments.

### **Chemical Monitoring and Compliance**

Chemical monitoring is scheduled based on the calendar year. Therefore, only a summary of the results for FY2017 will be included in this annual report. A complete report of chemical compliance data for calendar year 2017 will be included in the 2017 annual violations report which will be produced by June 2018.

The following is a summary for FY2017:

- 115 water systems monitored 187 different sources for inorganic contaminants. All water systems with sources were required to monitor for nitrates. No systems incurred an MCL violation for inorganic contaminants.
- 248 water systems monitored for volatile organic chemicals (VOCs). Of the 512 ground and surface sources analyzed during FY2017, 41 sources had detections for 12 different regulated VOCs. No systems incurred an MCL violation for VOCs.
- 193 water systems monitored for synthetic organic chemicals (SOCs). Of the 369 ground and surface sources analyzed for SOCs, 12 sources had detections for five different regulated SOCs. No systems incurred an MCL violation for SOCs in FY2017.
- 127 systems (74 surface and 53 ground water) were required to monitor for turbidity. In contrast to the other contaminants monitored for in this section, there is no MCL for turbidity. Turbidity above 0.3 mg/L in over 95% of the filtered water samples constitutes a 'treatment technique' violation. No system incurred a monitoring or treatment technique violation in FY2017.

### **Lead and Copper Monitoring Program**

The Lead and Copper regulations were modified in 2009 requiring water systems that conduct monitoring to notify the sampled customer of their levels of lead and copper. This notification must also include the action levels, health effects of lead, and steps the customer can take to reduce the lead level in their drinking water. Water systems also must submit a report to ADEM anytime a new source or treatment is added or a major modification to an existing treatment is made. This report must detail any effect of this treatment change on lead and copper levels and must be approved by ADEM before the source or treatment is added or changed.

The Drinking Water Branch also has developed a process when a single sample exceeds the Lead or Copper compliance limit. When these compliance limits are exceeded, the laboratories are required to immediately report the results to ADEM. Drinking Water Branch personnel then contact the water system to discuss follow-up activities, which include informing the customer of the high level and requiring the system to resample.

A total of 265 water systems monitored for Lead and Copper in FY2017 and only one system, Mid Clarke, exceeded the copper action level. Water systems that exceed an action level must submit a corrosion control plan, conduct source water and water quality parameter monitoring, and return to monitoring every six months. In addition, systems that exceed the lead action level must provide their customers with lead and copper education materials. Asbury and Collinsville incurred lead and copper monitoring violations by failing to collect the required number of samples and Gordon incurred a lead and copper monitoring violation for failing to collect any lead and copper samples in FY2017.

A complete report of lead and copper compliance data for calendar year 2017 will be included in the 2017 annual violations report, which will be produced by June 2018.

## **Disinfection Byproduct Monitoring and Compliance**

The Stage 2 Disinfection Byproduct Rule (Stage 2) monitoring began in January 2012. These regulations require all water systems to determine compliance by a locational running annual average. All community and NTNC water systems are required to monitor for disinfection byproducts (DBPs), which include total trihalomethanes (TTHM) and haloacetic acids (HAA5). Four systems incurred MCL violations for HAA5s. This was three less than the number of MCL violations that occurred in FY2016.

Nineteen water systems incurred monitoring violations for disinfection byproducts during FY2017. The primary reason for the increased number of disinfection byproduct monitoring violations in FY2017 was failure to collect the samples in the proper week in the month. Also, systems that incurred a quarterly monitoring violation continued to incur the violation for the next three quarters that the results would have used to determine compliance.

All water systems with high DBP levels are also required to conduct and submit an operation evaluation level (OEL) study. This study evaluates all aspects of system operation that might contribute to the high DBP levels.

All systems with a surface source or a source that is classified as groundwater under the influence of surface water (GWUDI) are required to monitor for total organic carbon (TOC). These systems were required to collect raw water and a combined filtered water sample each month. TOC results from each plant are evaluated to determine if the plant is meeting TOC removal requirements or to determine if monitoring could be reduced to quarterly for TOCs. No water systems incurred treatment technique violations for failure to meet TOC removal requirements.

23 water systems that feed chlorine dioxide are required to monitor for chlorites. No water systems incurred a monitoring or maximum contaminant level violation for chlorites in FY2017.

### **Laboratory Certification Program**

All chemical and bacteriological analyses of water samples for compliance purposes are required to be analyzed at a laboratory certified by ADEM or EPA.

During FY2017, 37 bacteriological laboratories were certified during at least part of the year and two laboratories were decertified for numerous deficiencies found during onsite audits. One laboratory chose not to seek recertification. The certified bacteriological laboratories consisted of four State laboratories, 21 water system laboratories and ten commercial laboratories.

Also, 31 chemical and radiological laboratories (12 in-state and 19 out-of-state) were certified during FY2017. Two chemical laboratories chose not to seek recertification and one new radiological laboratory was certified. Appendices B and C contain a list of certified chemical, radiological, and bacteriological laboratories.

The Drinking Water Branch continued to coordinate meetings with ADPH and ADEM Field Operations Division each quarter to discuss certification issues. In addition, ADEM revised its written program plan and standard operating procedures. In September 2017, EPA conducted an audit of the laboratory certification program. Only minor deficiencies were noted and most of those have already been corrected. A final audit report was expected to be received in November of 2017.

### **Drinking Water State Revolving Fund Activities**

The Drinking Water State Revolving Fund (SRF) Annual Report is incorporated by reference and has been submitted to the SRF & Surface Water Grants Section of EPA Region IV under separate cover.

### **Operator Certification Program**

The FY2017 Alabama Operator Certification Annual Report is incorporated by reference and has been submitted to the EPA Region IV Operator Certification Coordinator under separate cover.

### **Response to Natural/Man-Made Disasters**

Based on experience gained from past emergencies and natural disasters, the Department is working to ensure that all emergency responders are NIMS (National Incident Management Systems) compliant in order to assist water utilities, if needed, during emergencies or natural disasters. This will also ensure responders are prepared to implement standardized procedures when responding to a large scale incident as part of a national response team. The Department is also continuing its efforts, by working with AWWA, National Rural Water Association (NRWA), and other water associations and agencies to maintain Alabama's Water/Wastewater Agency-Utility Response Network (ALWarn). This is a network of utilities offering assistance to other

utilities during natural disasters and emergencies. The network is not a corporation or a governmental unit, but rather consists of Alabama utilities who agree to help each other with personnel and resources during emergencies and disasters, especially during hurricanes and winter freezes.

ADEM personnel served on the ASDWA Security Committee which is developing initiatives to improve security at water utilities. These efforts include infrastructure as well as cyber security and promoting resiliency among water utilities and state primacy agencies.

## **APPENDICES**



## **APPENDIX A**

### ***Water System Annual Inspections and Other Visits***

<b>System</b>	<b>Inspection Date</b>	<b>Type</b>
ABBEVILLE WATER WORKS & SEWER BOARD	14-Nov-16	Operation and Maintenance
ABBEVILLE WATER WORKS & SEWER BOARD	30-Jan-17	Other
ADDISON WATER WORKS	12-May-17	Operation and Maintenance
AKRON WATER SYSTEM	23-Feb-17	Sanitary Survey
ALA. WAREHOUSE/LOWER POOL #2	13-Jul-17	Sanitary Survey
ALABAMA DOT/I-10 AL/FL WELCOME CENTER	28-Aug-17	Sanitary Survey
ALABAMA PICK AND TRADE LLC	01-Mar-17	Sanitary Survey
ALABASTER WATER BOARD	03-Feb-17	Sanitary Survey
ALBERTVILLE UTILITIES BOARD	09-May-17	Operation and Maintenance
ALEXANDER CITY WATER DEPARTMENT	19-Apr-17	Operation and Maintenance
ALICEVILLE WATER & SEWER BOARD	15-Feb-17	Sanitary Survey
ALLEN AAF	23-Jun-17	Sanitary Survey
ALLGOOD WATER WORKS (TOWN OF)	17-May-17	Sanitary Survey
ALTOONA WATER & SEWER SERVICE	24-Jan-17	Sanitary Survey
ANDALUSIA (UTILITIES BOARD OF)	19-Apr-17	Sanitary Survey
ANNISTON WATER & SEWER BOARD	31-Aug-17	Sanitary Survey
ARAB WATER WORKS BOARD	08-May-17	Operation and Maintenance
ARDMORE WATER SYSTEM	25-May-17	Sanitary Survey
ARITON WATER WORKS	13-Jul-17	Operation and Maintenance
ARLEY WATER WORKS	24-Jan-17	Sanitary Survey
ASBURY WATER SYSTEM	19-Jul-17	Operation and Maintenance
ASHFORD WATER WORKS	07-Sep-17	Sanitary Survey
ASHLAND WATER & SEWER BOARD	25-Sep-17	Sanitary Survey
ASHVILLE WATER AND SEWER	16-Nov-16	Sanitary Survey
ATHENS UTILITIES	27-Mar-17	Operation and Maintenance
ATTALLA WATER WORKS BOARD	17-Aug-17	Operation and Maintenance
AUBURN WATER WORKS	05-Oct-16	Sanitary Survey
AUTAUGA CO WATER AUTHORITY	02-May-17	Operation and Maintenance
AUTAUGAVILLE WATER SYSTEM	14-Jun-17	Operation and Maintenance
AVON WATER SYSTEM	07-Sep-17	Operation and Maintenance
BAKERHILL WATER AUTHORITY	13-Oct-16	Operation and Maintenance
BALDWIN BAPTIST CAMP	22-Sep-17	Sanitary Survey
BALLEWS APARTMENTS	10-May-17	Sanitary Survey
BANKS WATER SYSTEM	15-Dec-16	Sanitary Survey
BASF CORPORATION	14-Sep-17	Sanitary Survey
BAYOU LA BATRE UTILITIES	31-Jan-17	Sanitary Survey
BEAR CREEK WATER WORKS	11-May-17	Operation and Maintenance
BEATRICE WATER SYSTEM	20-Jul-17	Sanitary Survey

BEAUREGARD WATER AUTHORITY	10-Jul-17	Sampling
BEAUREGARD WATER AUTHORITY	27-Feb-17	Sampling
BEAUREGARD WATER AUTHORITY	27-Jan-17	Sampling
BEAUREGARD WATER AUTHORITY	13-Oct-16	Sampling
BEAUREGARD WATER AUTHORITY	10-Jan-17	Sampling
BEAUREGARD WATER AUTHORITY	10-Jul-17	Sanitary Survey
BEAUREGARD WATER AUTHORITY	21-Oct-16	Water Treatment Plant Site Visit
BELFOREST WATER SYSTEM	24-Aug-17	Sampling
BELFOREST WATER SYSTEM	12-Jan-17	Sampling
BELFOREST WATER SYSTEM	11-Apr-17	Sampling
BELFOREST WATER SYSTEM	23-May-17	Sampling
BELFOREST WATER SYSTEM	14-Jul-17	Sampling
BELFOREST WATER SYSTEM	15-Jun-17	Sanitary Survey
BELK WATER SYSTEM	09-May-17	Operation and Maintenance
BERRY WATER DEPARTMENT, TOWN OF	08-Mar-17	Operation and Maintenance
BESSEMER WATER SERVICE	05-Sep-17	Sanitary Survey
BETHEL WATER SYSTEM	01-Mar-17	Sanitary Survey
BEULAH UTILITIES DISTRICT	14-Jun-17	Sanitary Survey
BIG OAK CAMPGROUND	06-Apr-17	Sanitary Survey
BIG WILLS WATER & FIRE PRO AUTHORITY	18-May-17	Sanitary Survey
BILLINGSLEY WATER SYSTEM	20-Jul-17	Operation and Maintenance
BIRMINGHAM AL VA MEDICAL CENTER	06-Sep-17	Sanitary Survey
BIRMINGHAM WATER WORKS BOARD	12-Jan-17	Operation and Maintenance
BLACK WATER WORKS	05-Sep-17	Operation and Maintenance
BLOUNT COUNTY WATER	24-May-17	Sanitary Survey
BLOUNTSVILLE UTILITIES BOARD	07-Sep-17	Sanitary Survey
BLUE HOLE WATER COMPANY, INC., THE	07-Jul-17	Sanitary Survey
BLUE SPRINGS WATER WORKS	20-Apr-17	Sanitary Survey
BOAZ WATER & SEWER BOARD	24-Jan-17	Operation and Maintenance
BOLDO WATER & FIRE PROT. AUTHORITY	16-Jun-17	Sanitary Survey
BRANTLEY WATER WORKS	28-Apr-17	Sanitary Survey
BRENT UTILITIES BOARD	09-Mar-17	Operation and Maintenance
BREWTON WATER WORKS	10-Apr-17	Operation and Maintenance
BRIDGEPORT UTILITIES BOARD	04-May-17	Operation and Maintenance
BRILLIANT WATER WORKS	15-Dec-16	Operation and Maintenance
BROOKSIDE WATER WORKS	06-Jun-17	Sanitary Survey
BRUNDIDGE WATER DEPARTMENT	14-Dec-16	Sanitary Survey
BUHL, ELROD & HOLMAN WATER AUTHORITY	26-Jan-17	Operation and Maintenance
BUTLER COUNTY WATER AUTHORITY	26-Jan-17	Sanitary Survey
BUTLER WATER SYSTEM	13-Jun-17	Operation and Maintenance
CAA-CTC PLAINVIEW HEAD START PROGRAM	07-Sep-17	Sanitary Survey

CALERA WATER WORKS	03-Mar-17	Sanitary Survey
CALHOUN COUNTY WATER & FIRE PR AUTHORITY	19-Jul-17	Operation and Maintenance
CAMDEN WATER & SEWER DEPARTMENT	02-Mar-17	Sanitary Survey
CAMP ALAMISCO	27-Sep-17	Sanitary Survey
CAMP ASCCA	27-Sep-17	Sanitary Survey
CAMP HILL UTILITIES BOARD	27-Sep-17	Sanitary Survey
CAMP LEE	16-Aug-17	Sanitary Survey
CAMP MAC	26-Sep-17	Sanitary Survey
CAMP SEQUOYAH	16-Aug-17	Sanitary Survey
CAMP SUMATANGA	25-Jul-17	Sanitary Survey
CAMP VICTORY	05-Sep-17	Operation and Maintenance
CARBON HILL UTILITIES BOARD	02-Mar-17	Sanitary Survey
CARROLLS CREEK WATER AUTHORITY	16-Dec-16	Operation and Maintenance
CARROLLTON WATER WORKS	16-Feb-17	Operation and Maintenance
CASTLEBERRY WATER SYSTEM	14-Feb-17	Sanitary Survey
CEDAR BLUFF UTILITIES BOARD	28-Jul-17	Sanitary Survey
CENTRAL ELMORE WATER AUTHORITY	10-Aug-17	Sanitary Survey
CENTRAL TALLADEGA COUNTY WATER AUTHORITY	14-Sep-17	Sanitary Survey
CENTRE WATER & SEWER BOARD	05-May-17	Sanitary Survey
CENTREVILLE WATER & SEWER	08-Mar-17	Operation and Maintenance
CHANDLER MTN/GREASY COVE WATER AUTHORITY	06-Apr-17	Sanitary Survey
CHATOM UTILITIES BOARD	09-May-17	Operation and Maintenance
CHATTAHOOCHEE VALLEY WATER SUPPLY DIST	27-Sep-17	Operation and Maintenance
CHEAHA STATE PARK	26-May-17	Sanitary Survey
CHEROKEE COUNTY WATER AUTHORITY	25-Jan-17	Operation and Maintenance
CHEROKEE WATER & GAS DEPARTMENT	25-May-17	Operation and Maintenance
CHILDERSBURG WATER & SEWER BOARD	10-Feb-17	Sanitary Survey
CHILDREN'S BIBLE MINISTRIES OF NORTH AL	24-Aug-17	Sanitary Survey
CHILTON WATER AUTHORITY	03-May-17	Sanitary Survey
CHISHOLM HEIGHTS WATER & F P AUTHORITY	10-May-17	Sanitary Survey
CHOCTAW-EDNA WATER AUTHORITY, INC.	13-Jun-17	Operation and Maintenance
CITIZENS WATER SERVICE, INC.	16-Nov-16	Sanitary Survey
CLANTON WATER DEPARTMENT	19-Oct-16	Sanitary Survey
CLAY COUNTY WATER AUTHORITY	03-Aug-17	Operation and Maintenance
CLAYTON WATER WORKS & SEWER	06-Sep-17	Operation and Maintenance
CLEAR CREEK HARBOR, LLC	26-Sep-17	Sanitary Survey
CLEBURNE COUNTY WATER AUTHORITY	26-Jul-17	Sanitary Survey
CLEVELAND WATER WORKS	07-Sep-17	Operation and Maintenance
CLIO WATER WORKS	06-Sep-17	Operation and Maintenance
COALING WATER AUTHORITY	14-Dec-16	Sanitary Survey

COASTAL FOREST PRODUCTS, LLC	02-Aug-17	Sanitary Survey
COFFEE COUNTY WATER AUTHORITY	14-Jul-17	Sanitary Survey
COFFEEVILLE WATER WORKS (TOWN OF)	08-May-17	Sanitary Survey
COKER WATER AUTHORITY	26-Jan-17	Operation and Maintenance
COLBERT COUNTY RURAL WATER SYSTEM	15-Nov-16	Sanitary Survey
COLEMAN LAKE USFS REC AREA	27-Jul-17	Sanitary Survey
COLLINSVILLE WATER WORKS	16-Jun-17	Sanitary Survey
COLUMBIA WATER WORKS	14-Oct-16	Operation and Maintenance
COLUMBIANA WATER WORKS	09-Feb-17	Operation and Maintenance
COOK SPRINGS WATER AUTHORITY	19-Jul-17	Sanitary Survey
COOSA PINES RECREATION ASSOC., INC.	26-Sep-17	Sanitary Survey
COOSA VALLEY WATER SUPPLY DISTRICT	20-Jul-17	Operation and Maintenance
COPELAND FERRY/PUMPKIN CENTER W S	15-Jun-17	Operation and Maintenance
CORDOVA WATER WORKS & GAS BOARD	16-Jun-17	Operation and Maintenance
COTTONWOOD WATER WORKS	14-Nov-16	Operation and Maintenance
COVINGTON COUNTY WATER AUTHORITY	21-Jun-17	Sanitary Survey
COWARTS WATER SYSTEM	14-Nov-16	Sanitary Survey
COWIKEE WATER AUTHORITY	12-May-17	Operation and Maintenance
CROSSVILLE WATER BOARD	18-May-17	Sanitary Survey
CUBA WATER BOARD	10-Aug-17	Sanitary Survey
CULLMAN COUNTY WATER DEPARTMENT	20-Jul-17	Operation and Maintenance
CULLMAN UTILITIES BOARD	25-May-17	Operation and Maintenance
CULLMAN WATER WORKS, CITY OF	21-Jul-17	Operation and Maintenance
CUMBERLAND MOUNTAIN WATER	20-Jul-17	Sanitary Survey
CURRY WATER AUTHORITY	14-Jun-17	Sanitary Survey
CWM WATER AUTHORITY	11-Aug-17	Sanitary Survey
DADEVILLE WATER WORKS & SEWAGE BOARD	27-Sep-17	Sanitary Survey
DALE COUNTY WATER AUTHORITY	11-Oct-16	Sanitary Survey
DALEVILLE WATER & SEWER BOARD	06-Sep-17	Operation and Maintenance
DALLAS COUNTY WATER & SEWER AUTHORITY	16-Feb-17	Operation and Maintenance
DAPHNE (UTILITIES BOARD OF THE CITY OF)	16-May-17	Sanitary Survey
DAUPHIN ISLAND WATER & SEWER	18-May-17	Sanitary Survey
DAVISTON WATER SYSTEM (TOWN OF)	27-Sep-17	Sanitary Survey
DECATUR UTILITIES	26-Jan-17	Sanitary Survey
DEER PARK-VINEGAR BEND WATER & FPA	09-May-17	Operation and Maintenance
DEKALB-JACKSON WATER SUPPLY DISTRICT	04-May-17	Sanitary Survey
DEMOPOLIS WATER WORKS AND SEWER BOARD	29-Aug-17	Sanitary Survey
DETROIT WATER WORKS	15-Dec-16	Operation and Maintenance
DORA UTILITIES	15-Jun-17	Operation and Maintenance
DOTHAN UTILITIES (CITY OF)	12-Oct-16	Operation and Maintenance
DOUBLE SPRINGS (TOWN OF) W&S BOARD	12-May-17	Operation and Maintenance

DOUGLAS (WATER & FIRE PRO AUTHORITY OF)	17-May-17	Operation and Maintenance
DOZIER WATER WORKS	28-Apr-17	Sanitary Survey
EAST ALABAMA WATER & FIRE PRO DISTRICT	07-Sep-17	Sanitary Survey
EAST BREWTON WATER & SEWER BOARD	10-Apr-17	Sanitary Survey
EAST CENTRAL BALDWIN COUNTY WATER & FPA	25-May-17	Sanitary Survey
EAST CULLMAN WATER SYSTEM	19-Jul-17	Sanitary Survey
EAST LAUDERDALE COUNTY WATER AUTHORITY	25-May-17	Sanitary Survey
EAST LOWNDES WATER ASSOCIATION	27-Feb-17	Sanitary Survey
ECH AAF	23-Jun-17	Operation and Maintenance
ECLECTIC WATER WORKS & SEWER BOARD	07-Oct-16	Operation and Maintenance
EDWARDSVILLE WATER & FIRE PRO AUTHORITY	27-Jul-17	Operation and Maintenance
ELBA WATER WORKS	21-Mar-17	Sanitary Survey
ELDRIDGE WATER SYSTEM	16-Dec-16	Operation and Maintenance
ELKMONT WATER WORKS	23-May-17	Sanitary Survey
ELMORE WATER & SEWER AUTHORITY	13-Jun-17	Operation and Maintenance
ENGLEWOOD-HULLS WATER SYSTEM, INC.	15-Dec-16	Operation and Maintenance
ENTERPRISE WATER WORKS	22-Jun-17	Operation and Maintenance
ENTERPRISE WATER WORKS	16-Feb-17	Other
EQUITY GROUP - EUFAULA DIVISION, LLC	18-Aug-17	Sanitary Survey
ESCAMBIA COMMUNITY UTILITIES LLC	02-Aug-17	Operation and Maintenance
EUFAULA WATER WORKS	20-Apr-17	Operation and Maintenance
EUREKA WATER SERVICE, INC.	22-Sep-17	Sanitary Survey
EUTAW WATER DEPARTMENT	23-Feb-17	Operation and Maintenance
EVERGREEN ESTATES	17-Aug-17	Sanitary Survey
EVERGREEN WATER WORKS	04-Apr-17	Sanitary Survey
EXCEL WATER SYSTEM	18-Jul-17	Operation and Maintenance
FACKLER TEXACO TRUCK STOP	26-Jul-17	Sanitary Survey
FAIRHOPE WATER SYSTEM (CITY OF)	16-May-17	Sanitary Survey
FAIRVIEW WATER SYSTEM (CONECUH)	04-Apr-17	Sanitary Survey
FALKVILLE WATER WORKS	24-May-17	Operation and Maintenance
FARLEY NUCLEAR PLANT	22-Mar-17	Sanitary Survey
FAUNSDALE WATER WORKS	07-Sep-17	Operation and Maintenance
FAYETTE CO. WATER COORD. & F. P. A.	09-May-17	Operation and Maintenance
FAYETTE WATER WORKS BOARD	09-Mar-17	Sanitary Survey
FAYETTEVILLE WATER AUTHORITY	08-Feb-17	Operation and Maintenance
FIVE STAR WATER SUPPLY DISTRICT	09-Feb-17	Operation and Maintenance
FLOMATON WATER WORKS	26-Jul-17	Operation and Maintenance
FLORALA REST AREA (U.S. 331)	08-Aug-17	Sanitary Survey
FLORALA WATER WORKS & SEWER BOARD	05-Sep-17	Operation and Maintenance
FLORALA WATER WORKS & SEWER BOARD	21-Dec-16	Other

FLORENCE WATER-WASTEWATER DEPARTMENT	24-May-17	Operation and Maintenance
FOLEY (UTILITIES BOARD OF THE CITY OF)	26-May-17	Sanitary Survey
FORDS VALLEY & HWY 278 WATER	06-Apr-17	Sanitary Survey
FORKLAND WATER SYSTEM	25-Feb-17	Sanitary Survey
FORT DEPOSIT WATER & SEWER BOARD	25-Jan-17	Sanitary Survey
FORT PAYNE WATER WORKS BOARD	03-May-17	Operation and Maintenance
FORT RUCKER - AMERICAN WATER	21-Apr-17	Operation and Maintenance
FORWARD OPERATING BASE	17-Oct-16	Operation and Maintenance
FOSTERS-RALPH WATER AUTHORITY	16-Nov-16	Operation and Maintenance
FRANKLIN COUNTY WATER SERVICES AUTHORITY	23-Feb-17	Operation and Maintenance
FRANKLIN WATER SYSTEM (TOWN OF)	17-Aug-17	Sanitary Survey
FRANKVILLE WATER & FIRE PRO AUTHORITY	09-May-17	Operation and Maintenance
FREEMANVILLE WATER SYSTEM	02-Aug-17	Operation and Maintenance
FRIENDSHIP WATER WORKS	07-Oct-16	Sanitary Survey
FRISCO CITY WATER SYSTEM	31-Jul-17	Sanitary Survey
FRUITDALE WATER SYSTEM	25-May-17	Sanitary Survey
FT MITCHELL WATER SYSTEM	24-Feb-17	Operation and Maintenance
FULTON (UTILITIES BOARD OF THE TOWN OF)	08-May-17	Operation and Maintenance
GADSDEN WATER WORKS AND SEWER BOARD	25-Sep-17	Operation and Maintenance
GANTT WATER SYSTEM	21-Dec-16	Operation and Maintenance
GARDEN CITY WATER DEPARTMENT	20-Jul-17	Operation and Maintenance
GENEVA WATER WORKS	16-Nov-16	Operation and Maintenance
GEORGIANA WATER WORKS & SEWER BOARD	25-Jan-17	Sanitary Survey
GILBERTOWN (UTILITIES BOARD OF TOWN OF)	13-Jun-17	Sanitary Survey
GLEN ALLEN WATER SYSTEM	19-Dec-16	Operation and Maintenance
GLENCOE WATER WORKS BOARD	26-Jan-17	Sanitary Survey
GLENWOOD WATER WORKS	14-Dec-16	Operation and Maintenance
GOLDEN ROD BROILERS	25-May-17	Operation and Maintenance
GOODWATER WTR WORKS & SEWER BD (CITY OF)	25-Jul-17	Sanitary Survey
GORDO WTR GAS & SEWER BOARD	15-Feb-17	Sanitary Survey
GORDON WATER WORKS	16-Jan-17	Operation and Maintenance
GORDON WATER WORKS	22-Mar-17	Other
GOSHEN WATER WORKS	14-Dec-16	Operation and Maintenance
GOVERNMENTAL UTILITY SERVICE CORPORATION	12-Dec-16	Sanitary Survey
GRAND BAY WATER WORKS BOARD	31-Jan-17	Operation and Maintenance
GRAYSVILLE WATER & SEWER BOARD	02-Jun-17	Sanitary Survey
GREEN PARK SOUTH MOBILE HOME PARK	07-Sep-17	Sanitary Survey
GREEN POND WATER SYSTEM	06-Oct-16	Operation and Maintenance
GREENE COUNTY STEAM PLANT	10-Aug-17	Sanitary Survey
GREENE COUNTY WATER AUTHORITY	25-Jan-17	Sanitary Survey

GREENETRACK, INC	10-Aug-17	Sanitary Survey
GREENHILL WATER & FIRE PRO AUTHORITY	23-May-17	Operation and Maintenance
GREENHILL WATER & FIRE PRO AUTHORITY	06-Mar-17	Sampling
GREENSBORO (UTILITIES BD OF THE CITY OF)	23-Feb-17	Operation and Maintenance
GREENVILLE WATER WORKS	25-Jan-17	Operation and Maintenance
GROVE HILL WATER WORKS	08-May-17	Sanitary Survey
GUIN WATER & SEWER BOARD	25-Jan-17	Operation and Maintenance
GULF SHORES (UTILITIES BOARD CITY OF)	14-Jun-17	Sanitary Survey
GUNTERSVILLE WATER WORKS & SEWER BOARD	10-May-17	Operation and Maintenance
GURLEY WATER SYSTEM	21-Jun-17	Sanitary Survey
HACKLEBURG WATER & SEWER BOARD	10-May-17	Operation and Maintenance
HACKNEYVILLE WATER & FIRE PRO AUTHORITY	27-Sep-17	Sanitary Survey
HALE COUNTY WATER AUTHORITY	22-Feb-17	Sanitary Survey
HALEYVILLE WATER WORKS & SEWER BOARD	11-May-17	Operation and Maintenance
HAMDEN RIDGE WATER AUTHORITY	27-Jul-17	Sanitary Survey
HAMILTON WATER WORKS & SEWER BOARD	25-Jan-17	Sanitary Survey
HANCEVILLE (THE WWSB OF THE CITY OF)	07-Sep-17	Operation and Maintenance
HARPERSVILLE WATER SYSTEM	12-Jul-17	Operation and Maintenance
HARTFORD WATER WORKS	08-Sep-17	Operation and Maintenance
HARTSELLE UTILITY BOARD	24-May-17	Sanitary Survey
HARVEST-MONROVIA WATER SYSTEM	07-Mar-17	Sampling
HARVEST-MONROVIA WATER SYSTEM	07-Sep-17	Sampling
HARVEST-MONROVIA WATER SYSTEM	07-Jun-17	Sampling
HARVEST-MONROVIA WATER SYSTEM	08-Dec-16	Sampling
HARVEST-MONROVIA WATER SYSTEM	28-Mar-17	Sanitary Survey
HAWK PRIDE MT WATER SYSTEM	21-Feb-17	Operation and Maintenance
HAYDEN WATER WORKS	06-Jul-17	Sanitary Survey
HAYNEVILLE WATER DEPART,EMT	13-Jan-17	Sanitary Survey
HEADLAND WATER WORKS	14-Oct-16	Operation and Maintenance
HEATH WATER SYSTEM	21-Dec-16	Operation and Maintenance
HEFLIN WATER WORKS	24-Aug-17	Operation and Maintenance
HELENA UTILITY BOARD	13-Jul-17	Sanitary Survey
HENRY COUNTY WATER AUTHORITY	13-Oct-16	Sanitary Survey
HIGH BLUFF AAF	23-Jun-17	Sanitary Survey
HIGHLAND WATER AUTHORITY	26-Jan-17	Operation and Maintenance
HILLTOP RV PARK	28-Aug-17	Sanitary Survey
HOBSON CITY WATER SYSTEM	21-Jul-17	Operation and Maintenance
HOBSON WATER SYSTEM	26-May-17	Sanitary Survey
HODGES WATER SYSTEM	23-May-17	Sanitary Survey
HOKES BLUFF WATER BOARD	25-Jan-17	Sanitary Survey
HOLLINS WATER AUTHORITY	25-Sep-17	Sanitary Survey



HOLTVILLE WATER SYSTEM	07-Oct-16	Operation and Maintenance
HOUSTON COUNTY WATER AUTHORITY	07-Sep-17	Sanitary Survey
HUBBARD LANDING, INC	20-Sep-17	Sanitary Survey
HUGULEY WATER AUTHORITY	07-Sep-17	Sanitary Survey
HUNTSVILLE UTILITIES	31-Aug-17	Other
HUNTSVILLE UTILITIES	22-Jun-17	Sanitary Survey
HURTSBORO WATER & SEWER BOARD	04-Nov-16	Sanitary Survey
I-65 RV CAMPGROUND	13-Sep-17	Sanitary Survey
INTERNATIONAL PAPER (AUTAUGA CO.)	17-Aug-17	Sanitary Survey
INTERNATIONAL PAPER COMPANY (SELMA)	06-Sep-17	Sanitary Survey
IRONDALE WATER SYSTEM	24-Oct-16	Sanitary Survey
ISBELL WATER SYSTEM	13-Jul-17	Sanitary Survey
JACK WATER SYSTEM, INC	25-Sep-17	Sanitary Survey
JACKSON COUNTY WATER AUTHORITY	15-Jun-17	Operation and Maintenance
JACKSON WATER WORKS & SEWER BOARD	22-May-17	Operation and Maintenance
JACKSONS GAP WATER AUTHORITY	27-Sep-17	Sanitary Survey
JACKSONVILLE UTILITIES	06-Sep-17	Sanitary Survey
JASPER WATER WORKS AND SEWER BOARD	26-Jan-17	Operation and Maintenance
JCG FOODS OF ALABAMA LLC	07-Apr-17	Sanitary Survey
JEMISON WATER WORKS	25-Aug-17	Sanitary Survey
JOHNSONS CROSSING WATER SYSTEM	20-Jul-17	Operation and Maintenance
JOPPA, HULACO & RYAN WATER AUTHORITY	19-Jul-17	Operation and Maintenance
KANSAS WATER SYSTEM	28-Feb-17	Sanitary Survey
KELLYTON WATER SYSTEM	25-Jul-17	Sanitary Survey
KENNEDY WATER WORKS BOARD	14-Dec-16	Operation and Maintenance
KINSEY WATER SYSTEM	22-Jun-17	Sanitary Survey
KINSTON WATER WORKS	19-Apr-17	Operation and Maintenance
KUSHLA WATER DISTRICT	01-Feb-17	Sanitary Survey
LAD MARINA & CAMPGROUND	27-Jul-17	Sanitary Survey
LAFAYETTE WATER WORKS	09-Feb-17	Operation and Maintenance
LAGRANGE MOUNTAIN WATER AUTHORITY	09-May-17	Sanitary Survey
LAKE MITCHELL WATER, INCORPORATED	25-Jul-17	Sanitary Survey
LAKE THOLOCCO RECREATION AREA - AMERICAN	23-Jun-17	Operation and Maintenance
LAKESIDE MARINA	08-Sep-17	Sanitary Survey
LANETT WATER WORKS	07-Sep-17	Sanitary Survey
LEEDS WATER BOARD	24-Feb-17	Operation and Maintenance
LEIGHTON (WSB OF THE TOWN OF)	23-May-17	Sanitary Survey
LEMOYNE WATER SYSTEM, INC.	07-Feb-17	Operation and Maintenance
LEROY WATER AUTHORITY	09-May-17	Sanitary Survey
LEVEL PLAINS WATER SYSTEM	06-Sep-17	Sanitary Survey
LEXINGTON WATER WORKS AND SEWER	13-Jul-17	Sanitary Survey

LIMESTONE COUNTY WATER SYSTEM	25-Jan-17	Operation and Maintenance
LINCOLN (CITY OF)	10-Feb-17	Sanitary Survey
LINDEN UTILITIES BOARD	29-Aug-17	Operation and Maintenance
LINEVILLE WATER WORKS BOARD	25-Sep-17	Sanitary Survey
LITTLE WAXIE WATER AUTHORITY	09-Feb-17	Sanitary Survey
LITTLEVILLE WATERWORKS	10-May-17	Sanitary Survey
LIVINGSTON WATER WORKS	12-Apr-17	Sanitary Survey
LOACHAPOKA WATER AUTHORITY	21-Oct-16	Operation and Maintenance
LOCKHART WATER WORKS	05-Sep-17	Operation and Maintenance
LOGAN LANDING RV RESORT & CAMPGROUND	26-Sep-17	Sanitary Survey
LOUISVILLE WATER WORKS	06-Sep-17	Operation and Maintenance
LOWNDES COUNTY WATER SYSTEM	18-Jan-17	Sanitary Survey
LOWNDESBORO WATER AUTHORITY	12-Jan-17	Operation and Maintenance
LOXLEY (TOWN OF)	24-May-17	Operation and Maintenance
LUVERNE WATER & SEWER DEPARTMENT	28-Feb-17	Operation and Maintenance
LYEFFION WATER AND FIRE PRO AUTHORITY	14-Feb-17	Sanitary Survey
LYNN WATER WORKS	11-May-17	Sanitary Survey
MACON COUNTY WATER AUTHORITY	12-Dec-16	Investigation/Complaint
MACON COUNTY WATER AUTHORITY	29-Nov-16	Investigation/Complaint
MACON COUNTY WATER AUTHORITY	09-Jan-17	Other
MACON COUNTY WATER AUTHORITY	10-Jul-17	Sampling
MACON COUNTY WATER AUTHORITY	31-Mar-17	Sanitary Survey
MADISON COUNTY WATER DEPARTMENT	06-Apr-17	Operation and Maintenance
MADISON WATER WORKS & SEWER	30-Mar-17	Sanitary Survey
MAGNOLIA SPRINGS HEAD START CENTER	21-Sep-17	Sanitary Survey
MALVERN WATER DEPARTMENT	08-Sep-17	Operation and Maintenance
MAPLESVILLE WATER WORKS	25-Aug-17	Sanitary Survey
MARBURY WATER SYSTEM, INC.	24-Aug-17	Operation and Maintenance
MARGARET WATER WORKS	07-Sep-17	Sanitary Survey
MARION COUNTY PUBLIC WATER AUTHORITY	10-May-17	Operation and Maintenance
MARION WATER DEPARTMENT	08-Dec-16	Operation and Maintenance
MCB WATER AUTHORITY, INC.	02-Feb-17	Sanitary Survey
MCCALL WATER SYSTEM INC	03-May-17	Operation and Maintenance
MCCALL WATER SYSTEM INC	11-Jan-17	Sampling
MCCALL WATER SYSTEM INC	22-May-17	Sampling
MCCALL WATER SYSTEM INC	14-Jul-17	Sampling
MCINTOSH WATER & FIRE PRO AUTHORITY	01-Feb-17	Sanitary Survey
MCKENZIE WATER BOARD	26-Jan-17	Operation and Maintenance
MCVAY WATER SYSTEM	26-May-17	Sanitary Survey
MENTONE WATER WORKS BOARD	20-Jul-17	Operation and Maintenance
MEXIA WATER SYSTEM, INC.	31-Jul-17	Sanitary Survey
MID-CENTRAL WATER AUTHORITY	24-May-17	Sanitary Survey

MID-CLARKE WATER SYSTEM	14-Sep-17	Sanitary Survey
MIDLAND CITY WATER DEPARTMENT	22-Mar-17	Operation and Maintenance
MIDWAY WATER WORKS	20-Apr-17	Operation and Maintenance
MIDWAY WATER WORKS	30-Jan-17	Other
MILLBROOK UTILITIES	08-Jun-17	Sanitary Survey
MILLERS FERRY WATER AUTHORITY, INC.	02-Mar-17	Sanitary Survey
MILLERVILLE WATER & FIRE PRO AUTHORITY	25-Sep-17	Sanitary Survey
MILLPORT WATER WORKS	14-Dec-16	Operation and Maintenance
MILLRY WATER WORKS	09-May-17	Sanitary Survey
MITCHELL WATER SYSTEM INC	15-Dec-16	Operation and Maintenance
MOBILE BOARD OF WATER AND SEWER COMM.	23-May-17	Sanitary Survey
MOBILE COUNTY WATER & FIRE PRO AUTHORITY	15-May-17	Sanitary Survey
MONROEVILLE (WATER WORKS BD. OF CITY OF)	27-Jul-17	Operation and Maintenance
MONTEVALLO WATER WORKS & SEWER	23-Mar-17	Sanitary Survey
MONTGOMERY WATER WORKS	11-May-17	Operation and Maintenance
MOSES WATER & FIRE PRO AUTHORITY	18-Jan-17	Sanitary Survey
MOULTON WATER WORKS BOARD	02-Aug-17	Operation and Maintenance
MOUNDEVILLE WATER WORKS	23-Feb-17	Sanitary Survey
MT ANDREW WATER AUTHORITY	04-Aug-17	Operation and Maintenance
MT ANDREW WATER AUTHORITY	18-Jan-17	Other
MT ANDREW WATER AUTHORITY	30-Jan-17	Other
MT. VERNON (TOWN OF)	10-May-17	Sanitary Survey
MULGA WATER WORKS AND GAS DEPARTMENT	01-Jun-17	Sanitary Survey
MUNFORD WATER AUTHORITY, INC.	09-Feb-17	Operation and Maintenance
MUSCLE SHOALS UTILITY BOARD	22-Feb-17	Sanitary Survey
MYRTLEWOOD WATER SYSTEM	06-Sep-17	Operation and Maintenance
NAPIER FIELD WATER SYSTEM	22-Mar-17	Operation and Maintenance
NATCHEZ TRACE PARKWAY	13-Jul-17	Sanitary Survey
NAUVOO WATER WORKS	02-Mar-17	Operation and Maintenance
NE MORGAN CO WATER AND SEWER AUTHORITY	25-May-17	Sanitary Survey
NECTAR WATER SYSTEM	14-Sep-17	Sanitary Survey
NEW BROCKTON WATER DEPARTMENT	23-Mar-17	Operation and Maintenance
NEW HOPE WATER SYSTEM	18-Jul-17	Operation and Maintenance
NEW LONDON WATER & FIRE PRO AUTHORITY	16-Nov-16	Operation and Maintenance
NEW LONDON WATER & FIRE PRO AUTHORITY	06-Jun-17	Sampling
NEW LONDON WATER & FIRE PRO AUTHORITY	18-Jul-17	Sampling
NEW LONDON WATER & FIRE PRO AUTHORITY	06-Sep-17	Sampling
NEW SITE WATER SYSTEM	27-Sep-17	Sanitary Survey
NEWTON WATER WORKS BOARD	23-Mar-17	Construction
NEWTON WATER WORKS BOARD	23-Mar-17	Operation and Maintenance
NEWVILLE WATER SYSTEM	22-Jun-17	Operation and Maintenance

NEWVILLE WATER SYSTEM	22-Mar-17	Other
NORTH BALDWIN UTILITIES	04-Nov-16	Operation and Maintenance
NORTH CHOCTAW WATER & SEWER AUTHORITY	22-May-17	Sanitary Survey
NORTH CLARKE WATER AUTHORITY	14-Sep-17	Sanitary Survey
NORTH DALLAS WATER AUTHORITY	26-Apr-17	Operation and Maintenance
NORTH DALLAS WATER AUTHORITY	26-Apr-17	Site Inspection
NORTH GENEVA COUNTY WATER AUTHORITY	23-Mar-17	Operation and Maintenance
NORTH MARSHALL UTILITIES	09-May-17	Operation and Maintenance
NORTHEAST ALABAMA WATER SYSTEM	03-May-17	Sanitary Survey
NORTHEAST ETOWAH COUNTY WATER CO-OP	25-Jan-17	Operation and Maintenance
NORTHPORT WATER WORKS	09-Mar-17	Operation and Maintenance
NORTHWEST ST CLAIR WATER SYSTEM	25-Jul-17	Sanitary Survey
NOTASULGA WATER SYSTEM	21-Jul-17	Operation and Maintenance
OAKMAN WATER WORKS	01-Mar-17	Sanitary Survey
OASIS TRAVEL CENTER	28-Aug-17	Sanitary Survey
ODENVILLE (UTIL BOARD OF THE TOWN OF)	16-May-17	Sanitary Survey
OHATCHEE WATER SYSTEM	01-Mar-17	Sanitary Survey
OLD CAHAWBA ARCHAEOLOGICAL PARK	06-Sep-17	Sanitary Survey
OLD LINE WATER SYSTEM	23-May-17	Sanitary Survey
ONEONTA UTILITIES BOARD	23-May-17	Sanitary Survey
OPELIKA UTILITIES	06-Oct-16	Operation and Maintenance
OPP UTILITIES BOARD	21-Mar-17	Operation and Maintenance
ORANGE BEACH WATER, SEWER AND F.P.A.	14-Jun-17	Sanitary Survey
ORRVILLE WATER DEPARTMENT (TOWN OF)	16-Feb-17	Sanitary Survey
OWASSA-BROWNSVILLE WATER AUTHORITY	28-Aug-17	Sampling
OWASSA-BROWNSVILLE WATER AUTHORITY	04-Apr-17	Sanitary Survey
OWENS CROSSROADS WATER AUTHORITY	06-Apr-17	Operation and Maintenance
OXFORD WATER WORKS & SEWER BOARD	18-Sep-17	Operation and Maintenance
OZARK UTILITIES BOARD	13-Jul-17	Operation and Maintenance
OZARK UTILITIES BOARD	15-Aug-17	Sampling
OZARK UTILITIES BOARD	29-Nov-16	Sampling
OZARK UTILITIES BOARD	24-May-17	Sampling
PARK CITY WATER AUTHORITY, INC	15-Jun-17	Sanitary Survey
PARKER CREEK WATER COMPANY	25-Jul-17	Sanitary Survey
PARRISH WATER WORKS BOARD	03-Mar-17	Sanitary Survey
PEACH QUEEN KOA CAMPGROUNDS WATER SYSTEM	25-Aug-17	Sanitary Survey
PELHAM WATER WORKS	22-Mar-17	Sanitary Survey
PELL CITY WATER WORKS	05-Sep-17	Sanitary Survey
PENNINGTON (UTILITIES BOARD OF)	13-Jun-17	Operation and Maintenance
PERDIDO BAY WATER, SEWER & FPA	25-May-17	Operation and Maintenance

PERRY COUNTY WATER AUTHORITY	08-Dec-16	Sanitary Survey
PETERSON WATER SYSTEM	14-Dec-16	Operation and Maintenance
PHENIX CITY UTILITIES	20-Jul-17	Sanitary Survey
PHIL CAMPBELL WATER WORKS	11-Jul-17	Sanitary Survey
PICKENS COUNTY WATER & F. P. AUTHORITY	16-Feb-17	Sanitary Survey
PIEDMONT UTILITIES BOARD	22-Sep-17	Operation and Maintenance
PIKE COUNTY WATER AUTHORITY	07-Dec-16	Operation and Maintenance
PILGRIM-PROVIDENCE WATER AUTHORITY	06-Apr-17	Sanitary Survey
PILGRIMS PRIDE CORPORATION	18-Aug-17	Sanitary Survey
PINCKARD WATER DEPARTMENT	23-Mar-17	Operation and Maintenance
PINE APPLE WATER WORKS	02-Mar-17	Sanitary Survey
PINE BLUFF WATER AUTHORITY	07-Jun-17	Sanitary Survey
PINE HILL WATER DEPARTMENT	24-May-17	Operation and Maintenance
PINE LEVEL WATER AUTHORITY	28-Apr-17	Sanitary Survey
PINEDALE SHORES WSFPA	25-Jul-17	Sanitary Survey
PINTLALA WATER SYSTEM, INC.	28-Apr-17	Operation and Maintenance
PISGAH WATER WORKS	26-May-17	Sanitary Survey
PLURIS ALABAMA LLC	25-May-17	Sanitary Survey
POLLARD WATER SYSTEM	03-May-17	Sanitary Survey
PRATTVILLE (WATER WORKS BOARD OF)	11-Jul-17	Sanitary Survey
PRICHARD WATER WORKS BOARD	13-Sep-17	Sanitary Survey
PROVIDENCE WATER AUTHORITY	01-Mar-17	Sanitary Survey
QUINT-MAR WATER AUTHORITY	26-Jan-17	Sampling
QUINT-MAR WATER AUTHORITY	13-Jul-17	Sampling
QUINT-MAR WATER AUTHORITY	01-Aug-17	Sampling
QUINT-MAR WATER AUTHORITY	12-Apr-17	Sanitary Survey
RAGLAND (THE WW BOARD OF THE TOWN OF)	16-Nov-16	Sanitary Survey
RAINBOW CITY UTILITIES BOARD	20-Jun-17	Sanitary Survey
RAMER WATER COMPANY, INC.	06-Apr-17	Sanitary Survey
RANBURNE WATER & SEWER DEPARTMENT	27-Jul-17	Operation and Maintenance
RANDOLPH COUNTY WATER & SEWER AUTHORITY	08-Sep-17	Sanitary Survey
RANDOLPH WATER SYSTEM	04-Aug-17	Sanitary Survey
RANGE CONTROL	23-Jun-17	Sanitary Survey
RAY COMMUNITY WATER & FIRE PRO AUTHORITY	25-Jul-17	Sanitary Survey
RED BAY WATER & GAS BOARD	14-Nov-16	Operation and Maintenance
RED LEVEL WATER WORKS	21-Dec-16	Sanitary Survey
REECE CITY WATER SYSTEM	18-May-17	Sanitary Survey
REFORM WATER & SEWER BOARD	15-Feb-17	Operation and Maintenance
REMLAP-PINE MTN WATER AUTHORITY	09-Jun-17	Sanitary Survey
REPTON WATER WORKS	18-Jul-17	Sanitary Survey
RIDGE ROAD WATER AUTHORITY	02-Aug-17	Operation and Maintenance

RIVER FALLS WATER SYSTEM	21-Jun-17	Operation and Maintenance
RIVERSIDE (TOWN OF)	16-Nov-16	Operation and Maintenance
RIVERVIEW WATER WORKS	10-Apr-17	Operation and Maintenance
ROANOKE (THE UTIL. BD. OF THE CITY OF)	06-Sep-17	Sanitary Survey
ROBERTSDALE (CITY OF)	24-May-17	Operation and Maintenance
ROCKFORD WATER WORKS	25-Jul-17	Sanitary Survey
ROCKWOOD WATER AUTHORITY	13-Jul-17	Sanitary Survey
ROGERSVILLE WATER WORKS & SEWER BOARD	23-May-17	Sanitary Survey
RUSSELL COUNTY WATER AUTHORITY	25-Aug-17	Operation and Maintenance
RUSSELLVILLE WATER WORKS	31-Jul-17	Operation and Maintenance
RUSSELLVILLE WATER WORKS	06-Mar-17	Sampling
RUTLEDGE WATER WORKS	12-Apr-17	Operation and Maintenance
SAMSON WATER WORKS	05-Sep-17	Operation and Maintenance
SANFORD WATER SYSTEM	05-Sep-17	Sanitary Survey
SARALAND WATER SERVICE	07-Feb-17	Sanitary Survey
SARDIS CITY WATER BOARD	24-Jan-17	Operation and Maintenance
SATSUMA WATER WORKS	10-May-17	Sanitary Survey
SCOTTSBORO WATER WORKS	05-May-17	Sanitary Survey
SECTION-DUTTON WATER SYSTEM	05-May-17	Operation and Maintenance
SELLERS STATION WATER SYSTEM	06-Apr-17	Operation and Maintenance
SELMA WATER WORKS & SEWER BOARD	16-Feb-17	Sanitary Survey
SHEFFIELD UTILITIES DEPARTMENT	01-Aug-17	Operation and Maintenance
SHELBY COUNTY WATER SYSTEM	14-Oct-16	Operation and Maintenance
SILVERHILL WATER SYSTEM (TOWN OF)	24-May-17	Sanitary Survey
SLOCOMB WATER WORKS AND SEWER BOARD	08-Sep-17	Operation and Maintenance
SMITHS WATER AND SEWER AUTHORITY	05-Dec-16	Operation and Maintenance
SNEAD WATER WORKS	17-May-17	Sanitary Survey
SNOWDOWN WATER SYSTEM INC	13-Jun-17	Sanitary Survey
OLON DIXON FORESTRY EDUCATION CENTER	08-Aug-17	Sanitary Survey
SOUTH ALABAMA UTILITIES WATER SYSTEM	17-May-17	Operation and Maintenance
SOUTH BULLOCK COUNTY WATER AUTHORITY	20-Apr-17	Sanitary Survey
SOUTH CRENSHAW COUNTY WATER AUTHORITY	28-Feb-17	Operation and Maintenance
SOUTH DALLAS WATER AUTHORITY	06-Mar-17	Sanitary Survey
SOUTH GATE MOBILE HOME PARK	07-Sep-17	Sanitary Survey
SOUTH MARENGO WATER & FIRE PRO AUTHORITY	11-Aug-17	Sanitary Survey
SOUTHPORT CAMPGROUNDS	20-Sep-17	Sanitary Survey
SOUTHSIDE WATER WORKS	25-Jan-17	Sanitary Survey
SOUTHWEST ALABAMA WATER AUTHORITY	11-Jan-17	Sampling
SOUTHWEST ALABAMA WATER AUTHORITY	23-Aug-17	Sampling
SOUTHWEST ALABAMA WATER AUTHORITY	22-May-17	Sampling
SOUTHWEST ALABAMA WATER AUTHORITY	20-Jul-17	Sanitary Survey

SPANISH FORT WATER SYSTEM	06-Feb-17	Operation and Maintenance
SPANISH FORT WATER SYSTEM	12-Jan-17	Sampling
SPANISH FORT WATER SYSTEM	11-Apr-17	Sampling
SPANISH FORT WATER SYSTEM	14-Jul-17	Sampling
SPRING VALLEY WATER AUTHORITY	10-May-17	Sanitary Survey
SPRINGVILLE WATER WORKS	17-Nov-16	Sanitary Survey
ST STEPHENS WATER SYSTEM	23-Aug-17	Sampling
ST STEPHENS WATER SYSTEM	10-May-17	Sanitary Survey
ST. ELMO-IRVINGTON WATER AUTHORITY	08-Feb-17	Sanitary Survey
STAR-MINDINGALL WATER AUTHORITY	09-Jan-17	Operation and Maintenance
STAR-MINDINGALL WATER AUTHORITY	25-May-17	Other
STEELE WATER WORKS BOARD	25-Jul-17	Sanitary Survey
STERRETT-VANDIVER WATER SYSTEM	28-Feb-17	Sanitary Survey
STEVENSON (UTIL. BOARD OF THE TOWN OF)	25-May-17	Sanitary Survey
STEWARTVILLE WATER AUTHORITY	12-Jul-17	Operation and Maintenance
STYX RIVER RESORT WATER SYSTEM	28-Aug-17	Sanitary Survey
SULLIGENT (CITY OF)	15-Dec-16	Operation and Maintenance
SUMITON WATER WORKS BOARD	15-Jun-17	Operation and Maintenance
SUMMERDALE WATER WORKS	11-Jan-17	Sampling
SUMMERDALE WATER WORKS	10-Apr-17	Sampling
SUMMERDALE WATER WORKS	22-May-17	Sampling
SUMMERDALE WATER WORKS	24-Aug-17	Sampling
SUMMERDALE WATER WORKS	29-Aug-17	Sampling
SUMMERDALE WATER WORKS	25-May-17	Sanitary Survey
SUMTER COUNTY WATER AUTHORITY	11-Apr-17	Sanitary Survey
SWAN CREEK COMMUNITY (BSI, LLC)	25-May-17	Sanitary Survey
SWEARENGIN WATER SYSTEM	18-Jul-17	Operation and Maintenance
SWEETWATER WATER & SEWER BOARD	07-Sep-17	Operation and Maintenance
SYCAMORE WATER AND SEWER AUTHORITY	08-Feb-17	Operation and Maintenance
SYLACAUGA UTILITIES BOARD	09-Feb-17	Operation and Maintenance
TAC-X AAF	15-Nov-16	Sanitary Survey
TALLADEGA COUNTY WATER SYSTEM	26-Sep-17	Sanitary Survey
TALLADEGA WATER AND SEWER BOARD, CITY OF	08-Feb-17	Operation and Maintenance
TALLADEGA-SHELBY WATER TREATMENT PLANT	10-Feb-17	Operation and Maintenance
TALLASSEE WATER WORKS	27-Jul-17	Operation and Maintenance
TATE & LYLE SUCRALOSE, INC. WATER SYSTEM	14-Sep-17	Sanitary Survey
TAYLOR WATER SYSTEM	07-Sep-17	Operation and Maintenance
THOMASTON WATER WORKS & GAS BOARD	06-Sep-17	Sanitary Survey
THOMASVILLE WATER WORKS & SEWER BOARD	22-May-17	Sanitary Survey
THORSBY WATER WORKS BOARD	26-Apr-17	Sanitary Survey

TIBBIE WATER & FIRE PROTECTION AUTHORITY	25-May-17	Sanitary Survey
TILLISON BEND WATER AUTHORITY	20-Jun-17	Sanitary Survey
TOTH FIELD	23-Jun-17	Operation and Maintenance
TOWN CREEK WATER SYSTEM	12-Jul-17	Sanitary Survey
TOWNLEY WATER AUTHORITY	03-Mar-17	Operation and Maintenance
TRAINING AREA-15	23-Jun-17	Operation and Maintenance
TRI COMMUNITY WATER SYSTEM	08-Jun-17	Sanitary Survey
TRIANA WATER WORKS	23-May-17	Sanitary Survey
TRINITY WATER WORKS SYSTEM	25-May-17	Operation and Maintenance
TROY UTILITIES (CITY OF)	15-Dec-16	Operation and Maintenance
TRUSSVILLE UTILITIES	21-Apr-17	Operation and Maintenance
TURNERVILLE WATER & FIRE PRO DISTRICT	02-Feb-17	Operation and Maintenance
TUSCALOOSA WATER & SEWER	08-Mar-17	Operation and Maintenance
TUSCALOOSA WATER & SEWER	10-Mar-17	Operation and Maintenance
TUSCUMBIA WATER WORKS	01-Aug-17	Operation and Maintenance
TUSKEGEE UTILITIES BOARD	23-Mar-17	Sanitary Survey
TWIN WATER AUTHORITY	16-Dec-16	Operation and Maintenance
TYSON FARM, INC. (BLOUNT CO.)	06-Sep-17	Sampling
TYSON FARM, INC. (BLOUNT CO.)	20-Jun-17	Sanitary Survey
U.S. AMINES LLC- CELANESE CHEMICALS	14-Sep-17	Sanitary Survey
UNION GROVE UTILITY BOARD	19-Jul-17	Operation and Maintenance
UNION SPRINGS UTIL BOARD	20-Apr-17	Sanitary Survey
UNIONTOWN UTILITIES BOARD	07-Sep-17	Sanitary Survey
UNIVERSITY OF ALABAMA AT BIRMINGHAM	30-Aug-17	Sanitary Survey
UPPER BEAR CREEK WATER AUTHORITY	24-Jan-17	Sanitary Survey
URIAH WATER SYSTEM INC.	18-Jul-17	Sanitary Survey
US ARMY AVIATION & MISSILE COMMAND	23-May-17	Operation and Maintenance
V.A.W. WATER SYSTEM, INC	26-May-17	Sanitary Survey
VALLEY HEAD WATER WORKS BOARD	05-Apr-17	Operation and Maintenance
VERNON WATER AND SEWER BOARD	14-Dec-16	Operation and Maintenance
VINA WATER WORKS BOARD	11-Jul-17	Sanitary Survey
VINCENT WATER WORKS BOARD	12-Jul-17	Operation and Maintenance
WADLEY UTILITIES BOARD	08-Sep-17	Sanitary Survey
WAGARVILLE WATER SYSTEM	13-Jul-17	Sampling
WAGARVILLE WATER SYSTEM	14-Sep-17	Sanitary Survey
WALDO WATER SYSTEM	26-Sep-17	Sanitary Survey
WALL STREET WATER AUTHORITY	27-Sep-17	Sanitary Survey
WALNUT GROVE (TOWN OF)	24-Jan-17	Sanitary Survey
WALNUT HILL WATER AUTHORITY	27-Sep-17	Sanitary Survey
WALTER WATER AUTHORITY	20-Jul-17	Operation and Maintenance
WARRIOR RIVER WATER AUTHORITY	22-Feb-17	Operation and Maintenance
WASHINGTON COUNTY WATER AUTHORITY	23-May-17	Sanitary Survey



WATER WORKS, INC.	29-Sep-17	Sanitary Survey
WATTSVILLE WATER AUTHORITY	18-Jul-17	Operation and Maintenance
WAYNE FARMS LLC	18-Aug-17	Sanitary Survey
WEAVER WATER SYSTEM	06-Sep-17	Sanitary Survey
WEBB WATER SYSTEM	14-Oct-16	Operation and Maintenance
WEBB WATER SYSTEM	22-Jun-17	Other
WEDOWEE WATER, SEWER, & GAS BOARD	27-Jul-17	Operation and Maintenance
WEST AUTAUGA WATER AUTHORITY	14-Jun-17	Sanitary Survey
WEST BANK DAMSITE/GEORGE W ANDREWS	22-Mar-17	Sanitary Survey
WEST BANK DAMSITE/W F GEORGE LAKE	17-Jan-17	Sanitary Survey
WEST BARBOUR COUNTY WATER AUTHORITY	11-Oct-16	Operation and Maintenance
WEST BLOCTON WATER WORKS	08-Mar-17	Operation and Maintenance
WEST DALLAS CO WATER AUTHORITY	06-Mar-17	Operation and Maintenance
WEST ESCAMBIA UTILITIES INC.	14-Dec-16	Sanitary Survey
WEST ETOWAH WATER & FIRE PRO AUTHORITY	07-Dec-16	Sampling
WEST ETOWAH WATER & FIRE PRO AUTHORITY	06-Jun-17	Sampling
WEST ETOWAH WATER & FIRE PRO AUTHORITY	26-Jan-17	Sanitary Survey
WEST JEFFERSON WATER WORKS (TOWN OF)	08-Jun-17	Sanitary Survey
WEST LAUDERDALE CO WATER & FPA	11-May-17	Sanitary Survey
WEST LAWRENCE WATER COOP	14-Jul-17	Sanitary Survey
WEST MORGAN-EAST LAWRENCE WATER AUTHORITY	22-May-17	Operation and Maintenance
WESTROCK COATED BOARD, LLC	17-Aug-17	Sanitary Survey
WETUMPKA WATER WORKS & SEWER BOARD	07-Oct-16	Operation and Maintenance
WHITE HALL WATER SYSTEM	12-Jan-17	Sanitary Survey
WHITE HOUSE WATER SYSTEM, INC.	08-Feb-17	Operation and Maintenance
WHORTON BEND WATER & FIRE PRO AUTHORITY	25-Jan-17	Operation and Maintenance
WILCOX COUNTY WATER AUTHORITY	15-Feb-17	Sanitary Survey
WILDERNESS RV PARK	28-Aug-17	Sanitary Survey
WILLS CROSS ROADS WATER SYSTEM	13-Jul-17	Sanitary Survey
WILSONVILLE WATER WORKS	13-Jul-17	Operation and Maintenance
WILTON WATER WORKS	23-Mar-17	Sanitary Survey
WINFIELD WATER WORKS & SEWER BOARD	25-Jan-17	Operation and Maintenance
WISE METALS GROUP, LLC (CONSTELLIUM)	16-Nov-16	Operation and Maintenance
WOLF CREEK WATER AUTHORITY	28-Feb-17	Sanitary Survey
WOODLAND WATER BOARD	17-Feb-17	Operation and Maintenance
YORK WATER SYSTEM/CITY OF YORK	12-Apr-17	Sanitary Survey

## **APPENDIX B**

*Certified Chemical and Radiological Laboratories*

<i>Laboratory</i>	<i>State</i>
AIRL	Tennessee
Alabama Department of Environmental Management	Alabama
Birmingham Water Works Board	Alabama
CMSI Chemical Laboratory	Alabama
Eastern Analytical	New Hampshire
Eberline Services – Oak Ridge Laboratory	Tennessee
EMSL Analytical, Inc.	New Jersey
ENERSOLV Corporation	Alabama
Environmental Science Corporation	Tennessee
Environmental Resource Analysts	Alabama
Eurofins Eaton Analytical	California
Eurofins Eaton Analytical – South Bend	Indiana
Florida Radiochemistry	Florida
Guardian Systems	Alabama
KNL Laboratory Services	Florida
Microbac Laboratories	Tennessee
Mobile Field Office – ADEM	Alabama
Montgomery Industrial Waste Laboratory	Alabama
National Testing Laboratories	Michigan
Outreach laboratory of ECS	Oklahoma
Pace Analytical Services - Minnesota.	Minnesota
Pace Analytical Services - Florida	Florida
Pace Analytical Services – Pittsburgh	Pennsylvania
Southern Environmental Testing	Alabama
Stillbrook Environmental Testing lab	Alabama
Sutherland Environmental Testing Laboratory	Alabama
TestAmerica Pensacola	Florida
TestAmerica Savannah	Georgia
TTL, Inc.	Alabama
Vista Analytical Services	California
Waypoint Analytical	Tennessee

## **APPENDIX C**

### ***Certified Bacteriological Laboratories***

<i>Laboratory ID</i>	<i>Laboratory</i>	<i>Type</i>
30140	Albertville City Laboratory	Municipal
30080	Alexander City Laboratory	Municipal
30160	Anniston Water Works Laboratory	Municipal
30210	Bessemer Utilities Laboratory	Municipal
30010	Birmingham Water Works Board	Municipal
30270	Bridgeport Water Treatment Plant Laboratory	Municipal
30070	Chattahoochee Valley	Municipal
40160	ENERSOLV	Commercial
41080	Environmental Resource Analysts	Commercial
40310	Environmental Technical Services Mobile	Commercial
40320	Environmental Technical Services Northport	Commercial
30240	Five Star Filter Plant Bacteriological Laboratory	Municipal
30090	Fort Payne Laboratory	Municipal
30030	Gadsden Water Works Laboratory	Municipal
40050	Guardian Systems	Commercial
30300	Houston County Regional Lab	State
20060	Huntsville Utilities Laboratory	Municipal
30250	Limestone County Bacteriological Laboratory	Municipal
30310	Madison County Water Laboratory	Municipal
41760	Mississippi Department of Health	State
10060	Mobile Branch Laboratory	State
30040	Mobile Water Service Laboratory	Municipal
10070	Montgomery Branch Laboratory	State
30220	Montgomery Industrial Waste Laboratory	Municipal
30050	Montgomery Water Works Laboratory	Municipal
30330	Northeast Alabama Water District Testing Laboratory	Municipal
30170	Opelika Water Works Laboratory	Municipal
40810	Pace Analytical Services Mobile	Commercial
30060	Phenix City Water Works Laboratory	Municipal
41650	Polyenvironmental Corporation	Commercial
30320	Smiths Water Laboratory	Municipal
40570	Southern Environmental Testing	Commercial
41460	TTL Laboratory	Commercial
40170	TTL Montgomery	Commercial
30130	Tuscaloosa Water Laboratory	Municipal