

Resolution 2014-25

WHEREAS, the Town of Trinity has approved the Bacteriological Monitoring Sample Site Plan for the Trinity Water Department

BACTERIOLOGICAL MONITORING SAMPLE SITE PLAN

System Name: TRINITY WATER WORKS SYSTEM
Address: 35 PRESTON DRIVE
City, State, Zip: TRINITY, ALABAMA 35673

Adopted this the 8th day of December 2014.

Vaughn Goodwin
Mayor, Vaughn Goodwin

Attest:

Ashley C. Patterson
Ashley C. Patterson, Assistant Town Clerk

Ashley C. Patterson
Notary Public, AL State at Large
My Commission Expires Oct. 17, 2016

Date Last Change Made: December 2014

Date Prepared: June 1995

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SYSTEM PERSONNEL
AND
COUNCIL MEMBERS

<u>Name</u>	<u>Address</u>	<u>Phone</u>
<u>Vaughn Goodwin</u> Mayor	<u>P.O. Box 424</u> <u>Trinity, AL 35673</u>	<u>256-353-2474 (W)</u> <u>256-355-4966 (H)</u>
<u>Barbara Jones</u> Clerk	<u>South Mountain Dr</u> <u>Trinity, AL 35673</u>	<u>256-353-2474 (W)</u> <u>256-353-6470 (H)</u>
<u>Blaine Clark * **</u> Manager/Operator	<u>181 Monica Ave.</u> <u>Decatur, AL 35603</u>	<u>256-353-3694 (fax)</u> <u>256-303-3210 (W)</u>

Note: * Person responsible for collecting samples.
 ** Person to be contacted should a sample be coliform **positive**.

LABORATORY INFORMATION

Primary Laboratory Performing Sample Analysis

Contact Person Karen Green Sutton/Bill Hougman/Laura Charles
Laboratory ENERSOLV
Address P.O. Box 1646 or 2220 Beltline Rd.SW
City, State, Zip Decatur, AL 35602
Telephone Number 256-350-0846 Ext 140

Alternate Laboratory Performing Sample Analysis

Contact Person Steve Martin
Laboratory TTL
Address 315 Greensboro Ave
City, State, Zip Tuscaloosa, AL 35401
Telephone Number 256-345-0816 FAX 205-345-0992

INTRODUCTION

This is the Bacteriological Sampling plan used by the Trinity Water Works System. The plan has been prepared in accordance with the guidelines and regulatory requirements established by the Alabama Department of Environmental Management (ADEM) and was developed around the following major steps:

- Procedures used to collect a sample
- Sampling procedures
- Selecting sample sites
- Public notification procedures

Any person responsible for collecting bacteriological samples for this system must read the plan and be thoroughly familiar with it prior to collecting samples.

METHODOLOGY FOR TAKING STERILE SAMPLES

Management personnel who hold valid operator certificates will be responsible for routinely collecting bacteriological samples from designated faucets and taps. Samples will not be collected from garages, filling stations, kitchens or other places where grease is likely to be present. Fire hydrants will not be considered for sampling sites.

Standard Bacteriological Sample Collection Procedures

1. The water will be run for several minutes to insure fresh water from the system, then shut off.
2. The faucet will be flamed or disinfected in order to destroy any bacteria, which may be clinging to the faucet.
3. The faucet will then be opened to let the water run in a stream about the size of a pencil.
4. While the tap is running, the sample bottle top should be removed.
5. The bottle will be held in one hand and with the other hand the top will be removed. Care will be exercised in removing the top to assure the fingers do not touch the top or the inside of the bottle. The top will be held in such a position that falling dust particles will not touch the inside. After removing, the top should not be laid down. Next, the bottle is held under the faucet, allowing only a small, steady stream to flow from the faucet. Water should not be splashed on the lip of the bottle any more than necessary. After filling to the line, the bottle should be immediately removed from underneath the faucet and the top replaced. Five to 10% of the bottle will be left empty to allow air space; however, the bottle must contain at least 100 ml of sample.
6. The identification card will be completely filled out, and the stub secured around the bottle with the rubber band provided.
7. The samples will be collected and taken to the testing laboratory within 24 hours of collection of the last sample to allow adequate time for examination within the required 30 hours.
8. A supply of clean sterile bottles will be obtained and returned to the water system office for the next month's required sampling.

Fecal Sample Collection Procedures

1. All standard bacteriological sample collection procedures will be followed.
2. All samples collected for fecal coliform bacteria analysis will be **maintained on ice** between the time of sample collection and the time of arrival at the testing laboratory.
3. All samples collected will be taken to the testing laboratory within four hours of the first collection.
4. Fecal samples will be clearly indicated on the sample form.

Monthly Distribution Sampling Procedures

The number of monthly distribution samples to be collected will be based on ADEM ADMIN. Code R. 335-7-2-. 06. This system is a community water system using purchased water and has a user population of 2,460., A minimum of **three (3)** distribution samples will be collected every month.

Note: Should a total coliform positive sample be found, at least five (5) routine distribution samples will be collected the next month water is provided to the public. These samples will be collected in accordance with our method of selecting sample sites shown beginning on page 13.

Repeat Sampling Procedures

As a community water system, if a positive total coliform sample is found, repeat samples will be collected within 24 hours after notification of the positive results. At least three (3) repeat samples will be collected, one (1) at the original positive site, one (1) within five (5) service connections down stream and one (1) within five (5) service connections up stream. If a total coliform positive sample occurs at the end of a line then the repeat samples will be collected at the original sampling site and at two (2) other service connections within five (5) connections up stream. The 24-hour time frame is applicable as above.

If fecal or E. coli are present in any sample, ADEM will be notified no later than the end of the day the results are provided to us.

SAMPLE BOTTLE INFORMATION

Sample bottles will be obtained from the ADEM approved laboratories listed on page 2. As a general rule our system will have on hand about three (3) times as many empty bottles as needed for the next month.

Any sample bottle that appears to have been tampered with, to the extent it is questionable for use, will not be used.

VIOLATION NOTIFICATION TO ADEM

We will notify ADEM for bacteriological violations as follows:

1. Exceeding the maximum contaminant level for total coliform. Notice will be provided no later than the end of the next business day after we learn of the violation.
2. If fecal coliform or E. coli is present, notice will be provided no later than the end of the day the results are furnished.

A copy of each violation notice furnished to the users will be submitted to ADEM and a copy retained for our records.

PUBLIC NOTIFICATION PROCEDURES
(Templates Attached)

MCL Violations

- The Trinity Water Works System will notify their customers by placing a copy of the appropriate public notification with the next set of water bills mailed to each customer.
- If necessary, a copy of the notification may be provided to the following newspapers:
 - Decatur Daily
 - Florence Times Daily
 - Huntsville Times
- If necessary, the following radio and TV stations may be used for notification:
 - Television – WOWL Channel 15 (Florence)
 - Television – WHNT Channel 19 (Huntsville)
 - Radio – WQLT (107.3 FM)
 - Radio – Star 94 (94.3 FM)
 - Radio – 102 FM (Decatur)
- Violations will be included in the next *Consumer Confidence Report* published by the Trinity Water Works System.

Monitoring/Reporting Violations

- The Trinity Water Works System will notify their customers by placing a copy of the appropriate public notification with the next set of water bills mailed to each customer.
- If necessary, a copy of the notification may be provided to the following newspapers:
 - Decatur Daily
 - Florence Times Daily
 - Huntsville Times
- If necessary, the following radio and TV stations may be used for notification:
 - Television – WOWL Channel 15 (Florence)
 - Television – WHNT Channel 19 (Huntsville)
 - Radio – WQLT (107.3 FM)
 - Radio – Star 94 (94.3 FM)
 - Radio – 102 FM (Decatur)
- Violations will be included in the next *Consumer Confidence Report* published by the Trinity Water Works System.

Note: Some or all of the above procedures will be used for public notice of violations. The type and scope of a particular violation will determine which method(s) are required. The requirements for a particular occurrence will normally be communicated to us by the **Alabama Department of Environmental Management**.

**SUMMARY OF CAUSES OF BACTERIOLOGICAL
MONITORING/REPORTING VIOLATIONS AND
BACTERIOLOGICAL MCL VIOLATIONS**

1. Failure to collect a sufficient number of samples during the month. (Be certain you know the correct number of samples that are required each month.)
2. Failure to replace TNTC or confluent growth samples.
3. Failure to replace unsatisfactory samples.
4. Failure to collect a sufficient number of repeat samples in the required time frame.
5. Collecting bacteriological samples during the last week of the month which does not allow a sufficient time frame to collect replacement samples.
6. Improper collection techniques.
7. Too much time between the time the sample is collected and the time the sample is analyzed.

MONITORING VIOLATION NOTICE

THE TRINITY WATER WORKS SYSTEM IS REQUIRED TO MONITOR YOUR DRINKING WATER FOR SPECIFIC CONTAMINANTS ON A REGULAR BASIS. RESULTS OF REGULAR MONITORING ARE AN INDICATOR OF WHETHER OR NOT YOUR DRINKING WATER MEETS HEALTH STANDARDS. DURING MONTH, WE DID NOT MONITOR FOR TOTAL COLIFORM BACTERIA AND THEREFORE CANNOT BE SURE OF THE QUALITY OF YOUR DRINKING WATER DURING THAT TIME.

PLEASE SHARE THIS INFORMATION WITH ALL THE OTHER PEOPLE WHO DRINK THIS WATER, ESPECIALLY THOSE WHO MAY NOT HAVE RECEIVED THIS NOTICE DIRECTLY (FOR EXAMPLE, PEOPLE IN APARTMENTS, NURSING HOMES, SCHOOLS, AND BUSINESSES). YOU CAN DO THIS BY POSTING THIS NOTICE IN A PUBLIC PLACE OR DISTRIBUTING COPIES BY HAND OR MAIL.

INSERT FOLLOW UP MEASURES TAKEN SUCH AS A STATEMENT THAT THE WATER SYSTEM HAS MONITORED FOR THE REQUIRED CONTAMINANTS PROPERLY SINCE THE VIOLATION OCCURRED

SHOULD YOU HAVE ANY QUESTIONS CONCERNING THIS VIOLATION OR MONITORING REQUIREMENTS, PLEASE CONTACT:

INSERT CONTACT PERSON WITH THE SYSTEM, ADDRESS AND TELEPHONE NUMBER THAT CAN BEST ANSWER QUESTIONS ABOUT THE VIOLATION

COLIFORM BACTERIA DETECTED IN WATER
SAMPLES

THE TRINITY WATER WORKS SYSTEM ROUTINELY MONITORS YOUR DRINKING WATER FOR TOTAL COLIFORM BACTERIA. WE COLLECTED (NO.) _____ SAMPLES FOR COLIFORM BATERIA IN MONTH AND POSITIVE SAMPLES SHOWED THE PRESENCE OF COLIFORM BACTERIA. THE STANDARD IS THAT NO MORE THAN ONE SAMPLE CAN SHOW THE PRESENCE OF COLIFORM BACTERIA IN A MONTH.

COLIFORMS ARE BACTERIA THAT ARE NATURALLY PRESENT IN THE ENVIRONMENT AND ARE USED AS AN INDICATOR THAT OTHER, POTENTIALLY HARMFUL, BACTERIA MAY BE PRESENT. COLIFORMS WERE FOUND IN MORE SAMPLES THAN ALLOWED AND THIS WAS A WARNING OF POTENTIAL PROBLEMS.

PLEASE SHARE THIS INFORMATION WITH ALL THE OTHER PEOPLE WHO DRINK THIS WATER, ESPECIALLY THOSE WHO MAY NOT HAVE RECEIVED THIS NOTICE DIRECTLY (FOR EXAMPLE, PEOPLE IN APARTMENTS, NURSING HOMES, SCHOOLS, AND BUSINESSES). YOU CAN DO THIS BY POSTING THIS NOTICE IN A PUBLIC PLACE OR DISTRIBUTING COPIES BY HAND OR MAIL.

INSERT FOLLOW UP MEASURES TAKEN SUCH AS A STATEMENT THAT NO COLIFORM BACTERIA WAS DETECTED IN THE LAST SET OF SAMPLES COLLECTED OR IF COLIFORM BACTERIA CONTINUES TO BE DETECTED WHEN THE NEXT SET OF SAMPLES WILL BE COLLECTED

SHOULD YOU HAVE ANY QUESTIONS CONCERNING THIS VIOLATION OR MONITORING REQUIREMENTS, PLEASE CONTACT:

INSERT CONTACT PERSON WITH THE SYSTEM, ADDRESS AND TELEPHONE NUMBER THAT CAN BEST ANSWER QUESTIONS ABOUT THE VIOLATION

DRINKING WATER WARNING

E. Coli bacteria were found in water samples collected from the Trinity Water Works System on **Date**

Fecal coliforms or E Coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.

The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice. People at increased risk should seek advice about drinking water from their health care providers.

What happened? What is being done?

Bacterial contamination can occur when increased run-off enters the drinking water source (for example, following heavy rains). It can also happen due to a break in the distribution system (pipes) or a failure in the water treatment process.

Followup tests on samples collected on **Date** show no bacteria.

For more information, please contact [name of contact] at [phone number] or [mailing address]. General guidelines on ways to lessen the risk of infection by microbes are available from the EPA Safe Drinking Water Hotline at 1(800) 426-4791.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by the Trinity Water Works System ID#: 00001091. Date distributed:

Quinton Elliott 829 Sewell Rd	Edwin Crump 821 Sewell Rd Charles Glover 837 Sewell Rd Ricky Brenner 73 Pinecrest Dr William West 39 Pinecrest Dr Chris Dutton 85 Mason Dr Debbie Auton 119 Mason Dr Bridgette Franklin 913 Elliott Loop Ellen Duren 925 Sewell Rd Leighann Turner 32 College St Steve Turner 31 College St Kristi Green 424 North Greenway Dr Keith Alexander 433 North Greenway Vulcan 3950 Hwy 20 Wiregrass 3848 Hwy 20 Wayne Boyles 162 Mountain Home Rd Ray Hall 213 Mountain Home Rd. Bobby Bolton 234 South Greenway Dr Paul Kritter 272 South Greenway
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4219 Highway 20 W	Ann D'Olive 816 Sewell Rd Victory Christian 4143 Hwy 20 W Holly Casteel 74 Pinecrest Dr Isaiah Morris 100 Pinecrest Dr Diana Krittiner 10 Meadowcrest Dr Patricia Larkin 68 Meadowview Dr Charles Purcell 128 Terry Lane Marvin Elliott 150 Terry Lane Linda Hogan 59 North Mountain Dr Christopher Chenault 70 North Mountain Dr Raymon Haley 99 Meadowview Dr Belinda Campbell 112 Meadowview Dr Lisa Smith 584 South Mountain Dr Michael Campbell 612 South Mountain Dr James McKenzie 407 North Greenway Jimmy Gilliam 377 North Greenway Garvin Ficklin 293 South Mountain Dr Marcus Borowicz 372 South Mountain Drive
Kerry Wright 84 Pinecrest Dr	
Samuel Faulker 17 Meadowcrest Dr	
Jason Weatherly 134 Terry Lane	
Paul Ricks 48 North Mountain Dr	
Joe Kleri 105 Meadowview Dr	
Anthony Morris 597 South Mountain Dr	
Bobby Bates 412 North Greenway Dr	
Robert Fortenberry 330 South Mountain Dr	

Town Hall 35 Preston Drive	Byron Thrasher 826 North Seneca Dr James Aldredge 844 North Seneca Drive Lori Boston 137 Seneca Springs Pendelton Jones 151 Seneca Springs Cecelia Petrazio 69 Sharon Ave Laurestina Martin 88 Sharon Ave James Engle 59 Woodland Seyburne Borden 65 Woodland Ave Michael Cole 262 North Seneca Dr David Rollins 317 North Seneca Dr Hollis Williams 42 Oak St Amy Alexander 50 Oak St Warren Mink 599 North Seneca Dr Jamie Prater 622 North Seneca Dr Mary Vernon 971 Old Hwy 24 Eldon Cochran 959 Old Hwy 24 Jamie Prater 622 North Seneca Dr Ronnie Armor 637 North Seneca Dr
Keith Kirkpatrick 138 Seneca Springs Dr	
Waymon Holladay 81 Sharon Ave	
Frank Wilson 64 Woodland Ave	
Louis Tuck 309 North Seneca Dr	
Nicholas Sharp 45 Oak St	
Dustin Bradford 626 North Seneca Dr	
Scott Sims 981 Old Highway 24	
Jackie Johnson 625 North Seneca Dr	