

Lead/Copper Sampling Plan

for the

HALE COUNTY WATER AUTHORITY

PWSID: AL0001509

Updated: 5/20/2016

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System Information

System Name: Hale County Water Authority

PWSID Number: AL0001509

Address: 19873 Alabama Hwy 69
Greensboro, AL 36744

Contacts: Ronnie Thomas, Chairman
(334)624-8868

Paula Brame
(334 624-8868

System Type: Community
System

Population Served: Approximately
3,200

Water Source: Ground Water

Primary Laboratory: TTL Laboratory
Contact: Steve Martin
Address: 3516 Greensboro Ave.
Tuscaloosa, AL 35401
Phone: 205-345-0816

Alternate Laboratory: TTL Laboratory-Montgomery
Contact: Vicki Boger
Address: 4154 Lomac Street
Montgomery, AL 36106
Phone: 334-387-0864

Introduction

This is the Lead and Copper Sampling Plan used by the Hale County Water Authority. The plan has been prepared in accordance with the guidelines and regulatory requirements established by the Alabama Department of Environmental Management (ADEM) and were developed around the following steps:

- Sample Schedule
- Sample Locations
- Materials Inventory
- Consumer Notification
- Educational Materials
- Violation Notification Requirements

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

Sample Collection Schedule

The water system is required to collect a minimum of twenty (20) samples once every three (3) years. These samples are to be collected from the distribution system between July 1 and September 30. Samples are analyzed for both lead and copper.

Sample Collection Procedures

Collect samples from a tap that has not been used for at least 6 hours. To ensure the water has not been used for at least 6 hours, the best time to collect samples is either early in the morning or in the evening upon returning from work. Be sure a kitchen or bathroom cold water that has been used for drinking water consumption in the past few weeks. The collection procedure is described below.

1. Prior arrangements will be made with the customer, to coordinate the sample collection. Dates will be set for sample kit delivery and pick-up by the water system staff.
2. There must be a minimum of 6 hours during which there is no water used from the tap where the sample will be collected and any taps adjacent or close to the tap. Either early morning or evenings upon returning home are best sampling times to ensure that the
3. necessary stagnant water conditions exist. Do not intentionally flush the water line before the start of the 6-hour period.
4. Use a kitchen or bathroom cold-water faucet for sampling. If you have installed a water softener for your kitchen tap or a point of use filter, then collect your sample from a bathroom tap, if possible, that is not softened or filtered. Also, do not remove the aerator prior to sampling. Place the opened sample bottle below the faucet and open the cold water tap as you would to fill a glass of water. Fill the sample bottle to the line marked "1000-ml" and turn off the water.
5. Tightly cap the sample bottle and place in the sample kit provided.
6. Please review the sample kit label at this time to ensure that all information contained on the label is correct. If any plumbing has been repaired or replaced in the home since the

previous sampling event, then note this information on the label as well. Also, if your sample was collected from a tap with a water softener or filter, then note that as well.

7. Place the sample kit in the same location the kit was delivered to, so that water system staff may pick up the sample kit.
8. Results of these samples and educational information about lead will be provided to the customer as soon as practical, but no later than 30 days after the system learns of the sample results. However, if excessive lead and/or copper levels are found, immediate notification will be provided (usually 1-2 working days after the system learns of the sample results). Call Paula Brame (33) 624-8868 if you have any questions regarding these instructions.

SAMPLE SITES

Sample Site #	Tier Level	Year of plumbing	Name / Address
# 1	1	1984	Customer 1 XXX County Rd 7 Greensboro, AL 36744
# 2	3	1984	Customer 2 XXX 1 County Rd 7 Greensboro, AL 36744
# 3	3	1972	Customer 3 XXX Co Rd 45 Moundville, AL 35474
# 4	3	1981	Customer 4 XXXX Al Hwy 61 Greensboro, AL 36744
# 5	3	1966	Customer 5 XXX Duncan Loop Rd Moundville, AL 35474
# 6	3	1964	Customer 6 XXXXX County Rd 32 Greensboro, AL 36744
# 7	3	1961	Customer 7 XXX Duncan Loop Rd Moundville, AL 36744
# 8	3	1968	Customer 8 XXXX County Rd 34 Akron, AL 35441
# 9	3	1980	Customer 9 XXXX Co Rd 17 Sawyer ville, AL 36776

Sample Site #	Tier Level	Year of plumbing	Name / Address
# 10	3	1980	Customer 10 XXXX County Rd 44 Moundville, AL 35474
# 11	1	1985	Customer 11 XXXX County Rd 7 Greensboro, AL 36744
# 12	3	1980	Customer 12 XXX Daisy Lane Greensboro, AL 36744
# 13	3	1980	Customer 13 XXX Daisy Lane Greensboro, AL 36744
# 14	3	1964	Customer 14 XXX County Rd 19 Greensboro, AL 36744
# 15	3	1977	Customer 15 XXX County Rd 7 Greensboro, AL 36744
# 16	3	1978	Customer 16 XX Willow Road Greensboro, AL 36744
# 17	1	1984	Customer 17 XXXX Co Rd 7 Greensboro, AL 36744
# 18	3	1965	Customer 18 XXXX County Rd 19 Greensboro, AL 36744
# 19	1	1988	Customer 19 XXXX Raven Road Greensboro, AL 37632
# 20	3	1985	Customer 20 XXXX County Rd 19 Greensboro, AL 36744

Materials Inventory

The Hale County Water Authority has approximately 1,100 miles of water mains which consist of 180 & 200 class polyvinyl chloride (PVC) with rubber gaskets. The service lines from the water main to the meter consist of copper, polyethylene tubing. There are 3,100 service connections approximately 1100 copper services, and 2,000 polyethylene services, and no known galvanized services. In June 2013 HCWA started a meter replacement program that went through September 2015. During this time, the system changed customer meters to radio meter tops, not all bases were changed. Since 2014, HCWA has changed 415 meter bases which contain no lead. The remaining are being changed.

Facility	Location	Name	Subtype
Water Tank	County Rd 44	Beckham	Storage Basin
Water Tank	County Rd 29	Havana	Storage Basin
Water Tank	County Rd 85	Hogglesville	Storage Basin
Water Tank	AL Hwy 69 S	Cattle Ranch	Storage Basin
Water Tank	County Rd 21	County Rd 21	Storage Basin
Water Tank	County Rd 1	Gallion	
Pump Station	County Rd 64	Guinea	Pump Station
Pump Station	AL Hwy 25 N	25 North	Pump Station
Pump Station	County Rd 17	Sawyerville	Pump Station
Pump Station	County Rd 1	Gallion	Pump Station
Well #1	County Rd 1	Well #1	Production Well
Well #2	County Rd 1	Well #2	Production Well
Well #3	Beckham Bottom Rd	Well #3	Production Well
Well #4	Beckham Bottom Rd	Well #4	Production Well

Consumer Notification of Lead and Copper Monitoring Results

HCWA appreciates your participation in the Lead and Copper monitoring program. This Letter is to report the lead and copper results from the sample collected at "address" on "date".

Contaminant	Action Level	Unit of Measurement		90 th percentile	Results at your home		Compliance Violation
Lead	0.015	mg/L	➡	Yes, or No		➡	Yes, or No
Copper	1.3	mg/L	➡	Yes, or No		➡	Yes, or No

Under the authority of the Safe Drinking Water Act, the Environment Protection Agency (EPA) set the Action Level for lead in drinking at 0.015 mg/L (milligrams per liter) and the Action Level for Copper at 1.3 mg/L. The Action Level is the concentration which, if exceeded, triggers treatment or other requirements which a water system must follow.

Important Health Information about Lead

Utilities must ensure that water from the customer's tap does not exceed the Action Level for lead in at least 90 percent of the homes sampled (90th percentile value). Because lead may pose serious health risks, the EPA also set a Maximum Contaminant Level Goal (MCLG) for lead of zero. The MCLG is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Some individual homes may have high lead concentrations while the 90th percentile value for the entire waterworks is below the Action Level. These individual site lead levels may be due to conditions unique to the individual home, such as the presence of lead solder or brass faucets, fittings and valves that may contain lead. Hale County Water Works strives to keep the corrosivity of our water as low as possible (corrosive water can cause lead to leach from plumbing materials that contain lead).

Additionally, there are actions you can take to reduce your exposure. We urge you to review the enclosed Fact Sheet and take the steps listed to reduce your exposure to lead in drinking water.

If you have any questions, then please contact our office at 334-624-8868.

Sincerely,

Hale County Water Authority

Public Notification Procedures

Lead and Copper Violations

- The water 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 or by a separate mailing to each customer.
- A copy of the notification will be provided to the following newspaper:

Greensboro Watchman

- Violations will be included in the next Consumer Confidence Report.

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.

**HCWA HAS LEVELS OF LEAD AND/OR COPPER
ABOVE DRINKING WATER STANDARDS**

OUR WATER SYSTEM RECENTLY VIOLATED A DRINKING WATER STANDARD. AS OUR CUSTOMERS, YOU HAVE THE RIGHT TO KNOW WHAT HAPPEN, WHAT YOU SHOULD DO, WHAT WE ARE DOING TO CORRECT THIS SITUATION.

WE ROUTINELY MONITOR FOR THE PRESENCE OF DRINKING WATER CONTAMINANTS. TESTING RESULTS WE RECEIVED ON (DATE) SHOW THAT OUR SYSTEM EXCEEDED THE STANDARD OR MAXIMUM CONTAMINANT LEVEL FOR LEAD OR COPPER. THE STANDARD FOR LEAD IS .015 MG/L 90TH PERCENTILE. THE STANDARD FOR COPPER IS 1.3 MG/L 90TH PERCENTILE. THE 90TH PERCENTILE LEVEL OF LEAD AND/OR COPPER AT OUR SYSTEM'S LOCATIONS OVER LAST MONITORING PERIOD WAS (LEVEL) MG/L.

HEALTH EFFECTS AND HOW CAN I REDUCE MY EXPOSURE?

IF PRESENT, ELEVATED LEVELS OF LEAD CAN CAUSE SERIOUS HEALTH PROBLEMS, ESPECIALLY IN PREGNET WOMEN AND YOUNG CHILDERN. LEAD IN DRINKING WATER IS PRIMARILY FROM MATERIALS AND COMPONENTS ASSOCIATED WITH SERVICE LINES AND HOME PLUMBING. HALE COUNTY WATER WORKS IS RESPONSIBLE FOR PROVIDING HIGH QUALITY DRINKING WATER, BUT CANNOT CONTROL THE VARIETY OF MATERIALS USED IN PUMBLING COMPONENTS. WHEN YOUR WATER HAS BEEN SITTING FOR SERVALS HOURS, YOU CAN MINIMIZE THE POTENTIAL FOR LEAD EXPOSER BY FLUSHING YOUR TAP FOR 30 SECONDS

TO 2 MINUTES BEFORE USING WATER FOR DRINKING OR COOKING. IF YOU ARE CONCERNED ABOUT LEAD IN YOUR WATER, YOU MAY WISH TO HAVE YOUR WATER TESTED. INFORMATION ON LEAD IN DRINKING WATER, TESTING METHODS, AND STEPS YOU CAN TAKE TO MINIMIZE EXPOSURE IS AVAILBLE FROM THE SAFE DRINKING WATER HOTLINE (1-800-426-4791) OR AT <http://www.epa.gov/safewater/lead>.

PLEASE SHARE THIS INFORMATION WITH ALL THE OTHER PEOPLE WHO DRINK THIS WATER, ESPECIALLY THOSE WHO MAY NOT HAVE RECEIVED THIS NOTICE DIRECTLY (FRO 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 AS TO WHAT THE SYSTEM IS DOING TO REDUCE THE LEVELS OF LEAD EXPOSURE.

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

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