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SYSTEM INFORMATION

System Name: City of Fairhope Public Utilities

PWSID Number: AL0000035

Address: 555 South Section Street
Fairhope, Alabama 36532

Contact: Dan McCrory Water and Wastewater Superintendent
Phone: 251-928-8003
Email Address: dan.mccrory@cofairhope.com

System Type: Ground

Population Served: Approximately 45,235 Customers

Water Sources: Pliocene/Miocene Aquifers

Regulating Agency: Alabama Department of Environmental Management (ADEM)

Primary Laboratory: Enviro Chem

Contact: Ken Mohr

Address: 4320 Midmost Drive
Mobile, AL 36609

Telephone: 251-341-9106

Fax: 251-341-9492

Alternate Laboratory: Test America Mobile

Contact: Mike Nance

Address: 826 Lakeside Dr. Suite D
Mobile AL 36693-5118

Telephone: 251-666-6633

FAX: 251-666-6696

PURPOSE

In 1992, the Alabama Department of Environmental Management (ADEM) adopted the Environmental Protection Agency (EPA)'s Lead and Copper Rule. According to ADEM, this is a critical component of ADEM's effort to protect public health and ensure the safety of the State's drinking water. The Lead and Copper Rules has four basic requirements as summarized by ADEM:

1. Require water system to optimize their treatment system to control corrosion in the distribution system and the customer's plumbing;
2. Determine tap water levels of lead and copper for customers who have lead service lines or lead-based solder in their plumbing systems;
3. Rule out the source water as a source of significant lead levels; and
4. If lead action levels are exceeded, the water system is required to take additional actions.

The City of Fairhope Public Utilities has adopted and acknowledged the four requirements of this plan as part of its ongoing commitment to providing safe drinking water. The City of Fairhope Public Utilities has optimized its treatment system through the addition of corrosion control additives, and it regularly tests for lead and copper throughout its water distribution system in accordance with ADEM and EPA requirements. Additional information on lead and copper can be located on EPA's and ADEM's websites and ADEM's Regulations, Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper.

SYSTEM WELL DATA

The City of Fairhope Public Utilities water system has ten (10) wells. All the wells pump water from the Miocene/Pliocene Aquifers.

Corrosion control measures are implemented at all the treatment plant sites. Currently, zinc orthophosphate.

Currently, there are 30 sample sites and alternate sites for monitoring lead and copper.

MATERIALS INVENTORY DATA

The City of Fairhope Public Utilities water system currently contains approximately 426 miles of water distribution pipe which serves approximately 45,237 customers. Of those 426 miles approximately 75 miles are cast iron/ductile iron, approximately 2 miles asbestos cement, approximately 4 miles are PE and approximately 345 miles of PVC. A number of system valves, hydrants, meters and fittings are installed that are typically constructed of ductile/cast iron or brass.

Water service lines are primarily copper with minimal plastic and galvanized piping. There are no known lead service lines on the system side of the water meter. In the past, a minimal number of lead "gooseneck" taps were encountered and replaced. In regards to materials of construction from the meter to the point of customer delivery, it is believed that the majority of materials are plastic (PVC, Pex, Polybutylene) or copper and some galvanized.

SAMPLING

SAMPLE SITES INCLUDING ALTERNATE SITES – City of Fairhope Public Utilities currently samples 30 sites with an identified alternative for each site. Sampling currently occurs every three years. The current sample sites are included in Appendix A. Complete addresses are on file at the City of Fairhope Public Utilities office.

Tier:	All sites are Tier I — Refer to Appendix A
Year and Type of Construction:	Refer to Appendix A for each residential site
Name of Resident & Address:	Complete Addresses are On File at the City of Fairhope Public Utilities Office
Lead Service Line:	No lead service lines- Refer to Appendix A

SAMPLE FREQUENCY

The water system is required to collect samples every three (3) years. This sampling occurs in the months of June, July, August, or September unless written approval from ADEM for an alternative monitoring period is received per ADEM Regulations, Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper. The last samples were collected in 2016.

SAMPLING PROTOCOL

Sampling protocol is per ADEM Regulations Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper. Residents are instructed in person by a City of Fairhope Public Utilities staff and provided a written instruction of how and when to collect the sample. The sample is recommended to be taken as a first draw but at a minimum the water shall remain undisturbed in the plumbing system a minimum of 6 hours. Collections are made from the cold water kitchen tap or bathroom sink tap. Taps used for monitoring may not include faucets that have point of use or treatment devices installed. Samples are collected in one (1) liter containers provided by the City of Fairhope Public Utilities or its testing laboratory.

STEPS IN THE EVENT OF AN ACTION LEVEL EXCEEDANCE

Elevated levels of lead can cause serious health problems especially for pregnant women, infants, and young children. However, lead is rarely found in source water. Lead in drinking water is primarily found from materials and components associated with service lines and home plumbing. The City of Fairhope Public Utilities is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. Steps customers can implement to minimize potential for lead exposure are noted the annual Consumer Confidence report.

Also, the City of Fairhope Public Utilities implements corrosion control measures to make the drinking water less corrosive to the materials it comes into contact with on its way to the costumers' tap.

If a lead or copper compliance limit is exceeded, increased monitoring consistent with the initial monitoring compliance requirements will occur. The treated water will be analyzed for the contaminant using the same methodology and location as required for inorganic containments in each source water used per ADEM Regulations Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper.

The existing corrosion control systems in place will be properly maintained. Water quality parameters are tested and evaluated on regular schedules. All necessary re-testing, any necessary equipment modifications and public notifications shall be per ADEM Regulations Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper.

PUBLIC NOTIFICATION PROCEDURES

In the event of a monitoring violation or an action level exceedance, necessary public notification procedures will be followed per ADEM Regulations Division 7 Water Supply Program, Chapter 335-7-11 Control of Lead and Copper. The type and scope of a particular violation will determine which method(s) are required. The requirements for a particular occurrence will be communicated to the Alabama Department of Environmental Management prior to implementation.

If subject to the public education requirements of the referenced Regulation, within 10 days after the end of each period in which public education was sent, written documentation that contains the following will be delivered to ADEM:

- A demonstration that public education materials that met the content and delivery requirements of the referenced Regulation were delivered.

- A list of all newspapers, radio stations, television stations, and facilities and organizations to which public education materials during this period were required to be delivered to perform public education task.

Appendix A

LEAD AND COPPER SAMPLING SITES

City of Fairhope Public Utilities AL 0000035

No.	Alternate Site *	Name and Address of Customer *	Tier	Lead Service Line Sample (Yes or No)	Year of Plumbing
1	N. Summit St.	N. Summit St. Fairhope, AL 36532	1	No	1983
2	Hwy. 34	Hwy. 34 Fairhope, AL 36532	1	No	1986
3	Co. Rd. 32	Co. Rd. 32 Fairhope, AL 36532	1	No	1983
4	Champion Rd.	Champion Rd. Fairhope, AL 36532	1	No	1984
5	Co. Rd. 48	Co. Rd. 48 Fairhope, AL 36532	1	No	1977
6	St. Hwy 181	St. Hwy181 Fairhope, Al 36532	1	No	1985
7	Grove Circle	Grove Circle Fairhope, AL 36532	1	No	1983
8	Evergreen St.	Evergreen St. Fairhope, AL 36532	1	No	1986
9	Richmond Circle	Richmond Circle Fairhope, AL 36532	1	No	1983
10	Lowery Dr.	Lowery Dr. Fairhope, AL 36532	1	No	1991
11	Laurel Ave.	Laurel Ave. Fairhope, AL 36532	1	No	1982

12	Third St.	Third St. Fairhope, AL 36532	1	No	1988
13	Hwy. 34	Hwy. 34 Fairhope, AL 36532	1	No	1986
14	Bay Meadows Ave.	Bay Meadows Ave. Fairhope, AL 36532	1	No	1988
15	Hoffren Dr.	Hoffren Dr. Fairhope, Al 36532	1	No	1988
16	Hoffren Dr.	Hoffren Dr. Fairhope, Al 36532	1	No	1987
17	Patlynn Dr,	PatLynn Dr. Fairhope, Al 36532	1	No	1986
18	Gayfer Ave.	Gayfer Ave. Fairhope, Al 36532	1	No	1983
19	US HWY 98	US HWY 98 Fairhope, Al 36532	1	No	1984
20	Hoffren Dr.	Hoffren Dr. Fairhope, Al 36532	1	No	1987
21	Quail Loop	Quail Loop Fairhope, Al 36532	1	No	1988
22	Pope Ct.	Pope Ct. Fairhope, Al 36532	1	No	1985
23	Hoffren Dr,	Hoffren Dr. Fairhope, Al 36532	1	No	1986
24	Hoffren Dr.	Hoffren Dr. Fairhope, Al 36532	1	No	1988
25	Fig Ave.	Fig Ave. Fairhope, Al 36532	1	No	1984
26	Leabrook Pl.	Leabrook Pl. Fairhope, Al 36532	1	No	1985

27	Meadow Brook Dr,	Meadow Brook Dr. Fairhope, Al 36532	1	No	1988
28	Hoffren Dr.	Hoffren Drive Fairhope, Al 36532	1	No	1985
29	County Rd. 33	County Rd. 33 Fairhope, Al 36532	1	No	1983
30	Meadowbrook Dr.	Meadowbrook Dr. Fairhope Al 36532	1	No	1986
