

LEAD AND COPPER SAMPLING PLAN
FOR
Le MOYNE WATER SYSTEM, INC.
IN ACCORDANCE WITH
THE FEDERAL LEAD AND COPPER RULE, 40
C.F.R. SECTIONS 141.80 TO 141.91.
AND ADEM CODE r. 335-7-11-08

Table of Contents

Introduction

- Materials Inventory
- Lead and Copper Rule
- Sampling Procedures
- Sampling Sites
- Example of Sampling Instructions given to Homeowner
- Example of Sampling Result for Homeowner
- Certification Form
- Health Effects of Lead

INTRODUCTION

Le MOYNE WATER SYSTEM, INC., in its operation of a public potable water supply system is required to ensure protection of public health through the provision of minimum requirements and standards for design, construction, operation, and maintenance of the system. It is essential that Lead and Copper implements which create or have the potential to create an imminent and substantial danger to public health be eliminated from the distribution system and plumbing . Therefore, it is necessary to establish and maintain a Lead and Copper Sampling Plan to protect the health of water customers. For more info on Lead and Copper visit:

www.epa.gov/safewater/lead

EPA Safe Drinking Water Hotline 800-426-4791

National Lead Information Center: 800-424-LEAD

Lead and Copper Materials Inventory

Le Moyne Water System, Inc.

PWSID: AL0000994

PO Box 144

11426 Old Hwy 43, Axis, Alabama 36505

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Le Moyne Water System has approximately 26 miles of water lines in its distribution system serving approximately 1269 customers. All of these lines are PVC (manufactured after 1977 and free of lead plasticizers). Contained within this system's distribution system are items that contain the following;

- Lead
 - Home Plumbing with Lead Components
- Copper
 - Copper Piping
 - Copper Service Lines
 - Home Plumbing with Copper Components

Locations of these items are as follows;

- ALDOT requires all service lines that cross state highways be made of type K copper. We serve approximately 25 customers along state highways, all of which can be assumed to be served with a copper service line. We use brass and rubber compression fittings rather than lead solder to join together copper with other implements.
- Of the approximate 1269 brass water meters we use, 1200 of them do not meet the low lead standards introduced in the "Reduction of Lead in Drinking Water Act" enacted on January 4th, 2014. Each meter we have replaced conforms to the "Reduction of Lead in Drinking Water Act" and carries the NSF/ANSI 61-G low-lead certification.
- We estimate that 1-2 % of the homes and other structures on our system contain lead and copper plumbing. Of that percentage we estimate all were built on or before 1983.

For more information about how Le Moyne Water System, Inc. conducted its Lead and Copper Materials Inventory, please contact;

Rob McDonald - Manager of Operations
251-675-1797

.LEAD AND COPPER RULE

1. **Le MOYNE WATER SYSTEM, INC.** is required 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 system.
3. Rule out the source water as a source of significant lead levels.
4. If lead levels are exceeded, the water system is required to take additional actions, which may include:
 - a) Developing and implementing a plan to optimize corrosion control in the finished drinking water.
 - b) Educating their customers about lead and suggesting actions they can take to reduce their exposure to lead through public notices and public education programs.
 - c) Replacing the portions of level service lines under the system's control.
 - d) Offering to replace lead service lines under their customers' control at an equitable cost to the customer.

Le MOYNE WATER SYSTEM, INC. selects the sites based on the criteria set out in the rule. The criteria for those sites are;

1. **Tier 1 site-** these sites include single family structures containing lead pipe or plumbing, are served by a lead service

line, or contain copper pipes with lead solder and were constructed after 1982.

2. **Tier 2 site**- these sites include building and multiple family residences containing lead pipe or plumbing, are served by a lead service line, or contain copper pipes with lead solder and were constructed after 1982.
3. **Tier 3 site**- these sites include single family structures containing copper pipes with lead solder which were constructed prior to 1983.

SAMPLING PROCEDURES

All lead and copper samples must be first-draw samples and must be 1 liter in volume. The water must be motionless (not used) in the plumbing system of each residence or building for a minimum of 6 hours, do not collect samples from sites which have not been used for an extended period of time; such as a site which has had no water use for several days, i.e., a weekend.

First –draw residential samples shall be collected from the cold, hard water kitchen or bathroom sink only. First-draw nonresidential samples shall be collected from interior, cold, hard water tap from which water is typically drawn for consumption.

Sampling sites must not include faucets which have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants. This includes devices such as filters, softeners, RO systems, etc.

First-draw samples may be collected by the system or the system may allow residents to collect samples after receiving instruction on the proper sampling procedures.

A water supply system shall collect each first-draw tap sample from the same sampling sites used in the previous round of sampling unless a change of sampling site is documented.

The **Alabama Department of Environmental Management** requires public water supply systems to sample for Lead and Copper every 3 years. Some water systems monitor more frequently. The water system selects the sites based on criteria set out in the rule. Such program shall be developed utilizing guidelines as set forth in the Lead and Copper Rule (LCR) promulgated by the EPA in 1991, adopted by ADEM in 1992.

Le Moyne Water System, Inc. Lead and Copper Sample Sites

PWSID#: 0000994

Number of Samples Required : 20

<u>NO.</u>	<u>ADDRESS</u>	<u>TIER</u>	<u>SELECTION CRITERIA</u>	<u>PRIMARY OR ALT</u>	<u>YEAR OF PLUMBING</u>
<u>1.</u>	798 Country Lane, Axis Al	1	A	primary	1988
<u>2.</u>	11826 Old Hwy 43, Axis, AL	1	A	primary	1985
<u>3.</u>	625 Richie Rd. S.	1	A	primary	1985
<u>4</u>	274 Creola Dr., Creola, Al	1	A	primary	1983
<u>5</u>	1287 Ellison Ave, Creola, Al	1	A	primary	1983
<u>6</u>	145 Creax Rd, Axis, Al	1	A	primary	1986
<u>7</u>	225 Creax Rd, Axis, Al	1	A	primary	1987
<u>8</u>	401 Creax Rd, Axis, Al	1	A	primary	1983
<u>9</u>	319 Lister Ln, Creola, Al	1	A	primary	1986
<u>10</u>	140 Magnolia Ct, Creola, Al	1	A	primary	1987
<u>11</u>	504 N McBride, Axis, AL	1	A	primary	1985
<u>12</u>	363 Bentley Rd N, Creola, Al	1	A	primary	1987
<u>13</u>	9287 Bentley Rd S, Creola, Al	1	A	primary	1983
<u>14</u>	1148 Dead Lake Rd, Creola, Al	1	A	primary	1985
<u>15</u>	8774 Lister Dairy Rd, Creola, Al	1	A	primary	1983
<u>16</u>	10853 Hall Dr, Axis, Al	1	A	primary	1984
<u>17</u>	11045 Hurst Dr., Axis, Al	1	A	primary	1985
<u>18</u>	13200 Williams Ave, Axis, Al	1	A	primary	1988
<u>19</u>	13075 Williams Ave, Axis, Al	1	A	primary	1983
<u>20</u>	11247 Long Rd, Axis, Al	1	A	primary	1983

