

**ROANOKE UTILITIES BOARD**  
**LEAD AND COPPER SAMPLING PLAN**

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**Population served-2,252**

**Laboratory-Environmental Resource Analysts (ERA)**

**Sources- Roanoke Utilities Water Treatment Plant**

**Corrosion Control-Polyphosphate**

### Sampling Lead and Copper

Address of Customer	Tier 1, 2 or 3	Year of Plumbing	Lead or Copper Service Line
447 Bonner Drive, Roanoke, AI 36274	3	1963	Galvanize/Copper
183 Pool Street, Roanoke, AI 36274	3	1950	Copper/Blue Poly
267 Lamar Street, Roanoke, AI 36274	3	1978	Copper/PVC
981 Rock Mills Road, Roanoke, AI 36274	3	1958	Copper/PVC
473 Lucky Street, Roanoke, AI 36274	3	1955	Copper/Blue Poly
976 Rock Mills Road, Roanoke, AI 36274	3	1962	Copper/PVC
391 Cauthen Circle, Roanoke, AI 36274	3	1974	Black Plastic/PVC
1124 Gulf Circle, Roanoke, AI 36274	3	1967	Black Plastic/PVC
164 Center Way Drive, Roanoke, AI 36274	3	1967	Copper/Copper
632 Mickle Drive, Roanoke, AI 36274	3	1965	Copper/Black Plastic
408 West Point Street, Roanoke, AI 36274	3	1920	Copper/Copper
739 Main Street, Roanoke, AI 36274	3	1889	Copper/PVC
404 Franklin Road, Roanoke, AI 36274	3	1967	Black Plastic/CPVC
646 Mickle Drive, Roanoke, AI 36274	3	1972	Copper/Blue Poly
612 Knight Avenue, Roanoke, AI 36274	3	1910	Copper/Black Plastic
538 Knight Avenue, Roanoke, AI 36274	3	1910	Copper/PVC
221 Lake View Drive, Roanoke, AI 36274	3	1960	Black Plastic/PVC
302 Douglas Drive, Roanoke, AI 36274	3	1968	Copper/Copper
1216 Henry Street, Roanoke, AI 36274	3	1938	Copper/Copper
414 West Point Street, Roanoke, AI 36274	3	1920	Copper/Copper

## **Action Level Exceedance Follow Up**

**Any system exceeding a lead or copper compliance limit shall increase monitoring consistent with the initial monitoring compliance requirements. Monitoring must be collected from the initial sites and monitoring must take place during six month compliance cycles (January- June or July- December) until compliance is achieved. Monitoring shall begin with the next available compliance cycle after the exceedance occurred. If optimum corrosion control treatment or source water treatment is initiated by the system, monitoring during six month compliance cycles must continue two six month periods after the treatment has been installed demonstrating compliance with the compliance limits.**

**Any system that fails to operate at or above the minimum value or within the range of values for the water quality parameters specified by the department for more than nine days in any six month period shall increase monitoring consistent with the initial monitoring compliance requirements. Monitoring must be conducted utilizing the initial monitoring sites and monitoring must take place during six month compliance cycle (January- June or July- December) until compliance is achieved. Monitoring shall begin with next available compliance cycle after exceedance occurred.**

**A system may be allowed to monitor during months other than June, July, August and September. The alternate monitoring period shall be no longer than four months in duration when the highest lead levels are likely to occur. Systems monitoring annually must conduct their next round of monitoring during a time period that ends no later than 21 months after the previous round of monitoring. Systems monitoring every three years must conduct their next round of monitoring during a time period that ends no later than 45 months after previous round of monitoring.**

## **Public Education Procedures**

**Water systems shall provide each customer with the results of any lead and copper monitoring conducted at the customer's tap. These results shall be provided to the customer within 30 days of receipt of the results by the water system.**

**In addition to the results, the water system shall provide an explanation of the health effects of lead, steps consumers can take to reduce exposure to lead, the water systems contact information, maximum contaminate level goal (MCLG), the action level (AL) for lead and the definition of MCLG and AL.**

**The notice to the consumer shall be mailed or provided by an alternate method approved by the department. Non-transient non-community water systems may post the results on a bulletin board in the facility that is readily accessible by all employees.**

**Notice shall be provided to customers who do not receive a water bill.**

**Any water system with a lead action level that exceeds the compliance limit shall provide public education materials containing the required language located in paragraph (3) below to the consumers within sixty days of the end of the monitoring period unless the system is being required to meet the repeat public education requirements of this rule.**

**Health effects of lead. Lead can cause serious health problems if too much enters your body from drinking water or other sources. It can cause damage to the brain and kidneys, and can interfere with production of red blood cells that carry oxygen to all parts of your body. The greatest risk of exposure is to infants, young children and pregnant women.**

## **Lead and Copper Inventory**

### **In Distribution System**

**Estimated 10 miles of lead caulking cast iron pipe (8"). Estimated 70 lead goosenecks still in system.**