

## Requirements for Small Water Systems Exceeding the Lead and/or Copper Action Level(s)

The actions marked on the list below must be completed for XYZ water system (PWSID XXX-XXXX) and submitted to the Water Supply Program for review. Please complete any overdue requirements as soon as possible.

- Water Quality Parameter Monitoring
- Lead Public Education Program
- Source Water Lead and Copper Monitoring
- Optimal Corrosion Control Treatment Recommendation

The requirements for exceeding the lead and/or copper action level(s) are summarized below and must be completed for your water system if marked above:

### WATER QUALITY PARAMETER (WQP) MONITORING

Due Date: (6 months after beginning of monitoring period in which an AL was exceeded)

WQP monitoring consists of **two** sets of pH, temperature, alkalinity, conductivity, and calcium tests (a minimum of one week apart). Orthophosphate and/or silica must also be tested if inhibitors containing phosphate and/or silicate compounds are used. If your water system serves 500 or fewer persons, sample WQPs two times at each point-of-entry and two times at one distribution location. If your water system serves between 501 and 3,300 persons, sample WQPs two times at each point-of-entry and two times at two distribution locations.

### LEAD PUBLIC EDUCATION PROGRAM

Due Date: (initially, 60 days after end of monitoring period in which the LEAD AL was exceeded; annually thereafter)

This requirement only applies to water systems that exceed the **lead** action level. After the public education material (see enclosure) has been distributed to all water customers (refer to instructions), please forward a copy to our office. The public education program must be repeated at least once each year until monitoring shows that the system no longer exceeds the lead action level. Public service announcements must be also repeated every six months for community water systems serving over 3,300 persons.

### SOURCE WATER LEAD AND COPPER MONITORING

Due Date: (6 months after end of monitoring period in which an AL was exceeded)

Source water lead and copper monitoring consists of testing the lead and copper levels at each point-of-entry. A flushed sample is required. Please arrange with a State-certified laboratory to have these tests conducted.

### OPTIMAL CORROSION CONTROL TREATMENT RECOMMENDATION

Due Date: (6 months after end of monitoring period in which an AL was exceeded)

Please submit your recommendation for optimal corrosion control treatment to our office. The Water Supply Program will review your submittal and will either approve your recommendation, require a study, or designate an alternate treatment. Your recommendation must be either to optimize existing corrosion control treatment or to install new treatment. You may select one or more of the following corrosion control treatments: (1) alkalinity and pH adjustment; (2) calcium hardness adjustment; (3) the addition of a phosphate based corrosion inhibitor; or (4) the addition of a silicate based corrosion inhibitor.

For technical assistance, you may contact the Maryland Rural Water Association at (410) 489-5877. In addition, water treatment companies, chemical suppliers, and/or professional engineers may be able to assist you with your corrosion control treatment selection. Please note that some non-transient non-community water systems have chosen non-chemical treatment alternatives (e.g. pipe and/or fixture replacement) instead of chemical treatment to reduce their lead and/or copper levels. However, any treatment selected must meet with our approval prior to installation.