

335-7-11-.10 Monitoring Waivers. A small system that meets the requirements of this rule may apply to the state to reduce the frequency of monitoring for lead and copper to once every nine years.

(a) The system must submit a materials survey showing the system is free of lead and copper containing materials as detailed below.

1. It contains no plastic pipes which contain lead plasticizers, or plastic service lines which contain lead plasticizers; and

2. It is free of lead service lines, lead pipes, lead soldered pipe joints, and leaded brass or bronze alloy fittings and fixtures, unless such fittings and fixtures meet the NSF Standard 61 Section 9.

3. The system contains no copper pipes or copper service lines.

(b) The system must have completed at least one six-month round of standard tap water monitoring for lead and copper demonstrating that the 90th percentile levels for all rounds of monitoring conducted since the system became free of all lead-containing and copper-containing materials were less than or equal to .005 mg/L for lead and 0.65 mg/L for copper.

(c) A system that has been granted a waiver must monitor for lead and copper at the reduced number of monitoring sites specified in Table 11-1 every nine years. The system must also submit a materials survey along with the monitoring results.

(d) A system must return to monitoring for lead and copper at least every three years if the system no longer meets than materials criteria, has a 90th percentile level for lead greater than .005 mg/L or a 90th percentile level for copper greater than .065 mg/L.

(e) The system shall notify the Department within 60 days after determining the system is no longer free of materials that contain lead or copper.

(4) Any water system with a waiver shall notify the Department, in writing, of any upcoming long-term change in treatment or addition of a new source.

Author: Thomas S. DeLoach, Dennis D. Harrison.

Statutory Authority: Code of Alabama 1975, §§ 22-23-33, 22-22A-5, 22-22A-6.

History: March 12, 2002.

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335-7-11-15 Source Water Monitoring and Treatment. Any system which exceeds the lead or copper compliance limit must analyze the treated water for the contaminant using the same methodology and location as required for inorganic contaminants in each source used by the system. This analysis must be completed within 180 days after the date of the initial exceedance. During the analysis, if a ~~Should these~~ levels exceed 0.015 mg/l lead or 1 mg/l copper, then the system must collect confirmation monitoring ~~must be collected~~ within ~~seven~~7 days. The value of the initial and all confirmation monitoring will be averaged. Treatment modifications must be installed which will result in the finished water meeting the ~~drinking water standard~~lead and copper Action Levels based on monitoring throughout the distribution systems, as specified in rule 335-7-11-.03. Modifications to the treatment process must be approved and permitted by the Department. Unless the Department gives written approval of the modifications by the Department is given, the source ~~must~~will be taken out of service within ~~sixty~~60 days of the Department determining that treatment modifications are required and remain out of service until the treatment modifications are installed~~se additional treatment requirements are provided~~. Prior to reactivation of the ~~is~~ source, monitoring of the treated water shall demonstrate compliance with drinking water standards and a second set of lead and copper monitoring conducted within six months of returning to service. All initial sites for lead and copper shall be monitored for the next two six-month compliance periods. ~~Modifications to the treatment process must be approved and permitted by the Department.~~

Author: Joe Alan Power, Dennis D. Harrison.

Statutory Authority: Code of Alabama 1975, §§ 22-23-33, 22-22A-5, 22-22A-6.

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335-7-11-.18 Reporting Requirements.

(1) Tap Water Monitoring. All water systems shall provide the results of all tap water monitoring for lead and copper and for all water quality parameter samples by the 10th of the month following the end of the compliance period. The end of the compliance period is the last date that samples can be collected during the monitoring period.

(a) Included shall be information regarding the tap, the tier level of the site, identification as a non first draw sample and length of standing time, documentation for all tap water lead and copper monitoring that the system requests invalidation, and an explanation for any site which was not monitored during the previous monitoring period or why sites may have changed.

1. Systems with lead service lines not providing 50% of the monitoring from these sites will provide a letter demonstrating why it was unable to locate a sufficient number of each site. Values shall be placed in descending ascending order with the highest value first and the 90th percentile value either circled or labeled.

2. All systems utilizing non first draw samples shall provide the Department prior to the first monitoring period after these regulations become effective the locations and standing times of all such monitoring. Systems applying for or systems that have been granted a waiver shall provide a certification that the system's distribution and plumbing materials are lead and copper free. A water system that has been granted a waiver and later determines the system's materials are no longer lead or copper free shall provide the basis of that determination and a corrective action plan to remove those materials within 60 days of the determination.

(b) Source Water Monitoring. The lead/copper results from source water required to be monitored shall be provided by the 10th of the month following the analysis.

(c) Corrosion Control Treatment. Systems with an approved corrosion control treatment system on the effective date of these regulations will continue to provide monthly monitoring reports providing the required information. These reports must be received by the 10th of the following month. For systems required to establish optimized corrosion control, daily and weekly analysis may be provided on the monthly operation reports which must be submitted by the 10th of the following month. For systems monitoring during a six-month compliance cycle, the analysis must be provided by the 10th of the month following the analysis.

(d) Lead Service Line Replacement. Systems required to replace service lines shall provide yearly information by December 31 regarding the number and location of service lines replaced, the number remaining, the location and lead concentration of any lead service line monitoring, and any proposed modification to the lead service line removal plan.

(2) Record Keeping of Reporting Requirements. All systems shall retain in its office or on its premises original records of all monitoring data, analysis, reports, surveys, letters, evaluations, schedules, state determinations and other information reflecting activities to demonstrate compliance with the lead and copper requirements of this Department. These records shall be retained for no less than 12 years.

(3) Any water system proposing the addition of a new source or any long-term change in water treatment shall submit a written report to the Department on how the change or source addition will affect the system's ability to comply with the lead and copper action levels and water quality parameter monitoring before implementing changes in treatment (or treatment processes) or using a new source.

(a) Examples of long-term water treatment changes include the addition of a new treatment process or modification of an existing treatment process.

(b) Examples of modifications include switching secondary disinfectants, switching coagulants and switching corrosion inhibitor products.

(c) Long term changes can include dose changes to existing chemicals if the system is planning long-term changes to its finished water pH or residual inhibitor concentration. Long-term treatment changes would not include chemical dose fluctuations associated with daily raw water quality changes.

(4) Within 12 months after the end of the monitoring period in which the water system exceeded the lead action level, the water system shall submit the following written documentation to the Department.

(a) Material evaluation conducted as required in rule 335-7-11-.07.

(b) A list of all lead service line locations in the distribution system at the time the exceedance occurred.

(c) Schedule for replacing at least 7 percent of the initial lead service lines annually.

(5) Within 12 months after the end of the monitoring period in which the water system exceeded the lead action level and every 12 months thereafter, the water system shall demonstrate in writing either:

(a) The water system has replaced in the previous 12 months at least 7 percent (or as required by the Department) of the initial lead service lines or

(b) The water system has replaced at least 7 percent (or as required by the Department) of the initial lead service lines and/or demonstrated through monitoring that that at least 7 percent (or as required by the Department) of the initial lead service lines no longer exceeds the lead action level.

(6) The annual report submitted to the Department under this rule shall contain at a minimum the following information:

(a) Number of lead service lines scheduled to be replaced during the previous year of the system's lead service line replacement program.

(b) The location of each full or partial lead service line replaced with an indicator if the replacement was a full or partial replacement.

(c) If measured, the lead concentration of any lead service line. The water system shall also report the analytical method used and the date of the sample.

(d) The schedule of lead service lines to be replaced in the upcoming year along with the latest monitoring results for these locations.

(7) Any water system that collects lead service line samples following a partial lead service line replacement shall report the results to the Department within the first ten days of the month in which the water system receives the laboratory results.

(8) Public Education Program Reporting Requirements.

(a) Any water system that is subject to the public education requirements of this chapter shall, within ten days after the end of each period in which the system was required to perform public education send written documentation to the Department that contains:

1. A demonstration that the water system has delivered the public education materials that met the content and delivery requirements of this chapter.

2. A list of all the newspapers, radio stations, television stations, and facilities and organizations to which the system delivered public education materials during the period in which the water system was required to perform public education tasks.

(b) Each water system shall mail a sample copy of the consumer notification of tap results to the Department along with a certification that the notification has been distributed in a manner consistent with this chapter. The sample copy and certification shall be submitted to the Department within 3 months following the end of the monitoring period.

Author: Joe Alan Power, [Dennis D. Harrison](#).

Statutory Authority: Code of Alabama 1975, §§ 22-23-33, 22-22A-5, 22-22A-6.

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