



DWS Lead & Copper Rule Compliance Operator Training Course

Overview of DWS Web Page

William Sullivan (Bill)
Sanitary Engineer 3
CT DPH – Drinking Water Section

Drinking Water Section



[<<< Previous Level](#)

DRINKING WATER

[Contact Information](#)

[Forms/Applications](#)

[Publications/Reports](#)

[Resources/Links](#)

[Local Health Departments](#)

[Drinking Water Topics A to Z](#)

[DPH Main Menu](#)



Lead and Copper Rule

In 1991, the Environmental Protection Agency (EPA) published the Lead and Copper Rule to minimize lead and copper in drinking water. The rule replaced the previous standard of 50 ppb, measured at the entry point to the distribution system. The rule established a maximum contaminant level goal of zero for lead in drinking water and an action level (AL) of 0.015 milligrams per liter (mg/L) for lead and 1.3 mg/L for copper based on 90th percentile level of tap water samples. An action level exceedance is not a violation but triggers other requirements to minimize exposure to lead and copper in drinking water that include water quality parameter monitoring, corrosion control treatment, source water monitoring/treatment, public education, and lead service line replacement. Lead and Copper Rule requirements apply to all Community and Non Transient Non Community Public Water Systems.

In 2000, EPA published revisions to the Lead and Copper Rule to address implementation problems and issues arising from legal challenges to the 1991 rule. The revisions also streamlined and reduced monitoring and reporting burdens. In 2004, EPA published minor corrections to the Lead and Copper Rule to reinstate text that was inadvertently dropped from the rule during previous revisions. EPA then published proposed revisions to the Lead and Copper Rule in 2006.

In October 2007, the EPA finalized seven targeted regulatory changes to the National Primary Drinking Water Regulations for lead and copper. This final rule strengthens the implementation of the Lead and Copper Rule in the following areas: monitoring, treatment processes, public education, customer awareness, and lead service line replacement. These changes provide more effective protection of public health by reducing exposure to lead in drinking water.

The following documents and links are provided to help water system owners and operators understand their Lead and Copper Rule responsibilities:

- [Environmental Protection Agency - Lead and Copper Rule](#)
- [EPA Lead and Copper Rule Guidance Document](#)
- [Click here to view a presentation of the recent 2007 Revisions](#) (pdf)
- EPA Webinar on April 19th, 2016 on Lead and Copper Rule (LCR) Optimal Corrosion Control Treatment (OCCT) Evaluation: [Presentation slides by Edward Viveiros \(EPA OGWDW\) and Laura Dufresne \(The Cadmus Group\)](#)
- [Optimal Corrosion Control Treatment Evaluation Technical Recommendations](#)
- OCCT Evaluation Excel-based Templates
 - [For PWS with less than 50 K people](#)
 - [For PWS with more than 50 K people](#)
- Presentation: [Lead & Copper Rule - Public Drinking Water Systems in Connecticut](#)

Correspondence



Quick Summary

- 💧 Documents and Links to help water system owners and operators understand their responsibilities
- 💧 Correspondence
- 💧 Consumer Notice Requirements
- 💧 Lead Public Education
- 💧 Public Water Systems Currently Not in Compliance with the Lead Action Level



Documents and Links to help water system owners and operators understand responsibilities

- 💧 [Environmental Protection Agency - Lead and Copper Rule – EPA dedicated page to this Rule](#)
- 💧 [EPA Lead and Copper Rule Guidance Document – 2 page Quick Reference Guide](#)
- 💧 [4/19/16 EPA Webinar LCR Optimal Corrosion Control Treatment \(OCCT\) Evaluation – 68 slide Presentation](#)
- 💧 [EPA’s March 2016 816-B-16-003–129 page technical guide in determining the most appropriate treatment for controlling lead and copper and complying with the corrosion control treatment \(CCT\) requirements of the Lead and Copper Rule \(LCR\)](#)
- 💧 [Etc....](#)



Correspondence 1

- 💧 Circular Letter 2016-07 - EPA Clarification of Recommended Tap Sampling Procedures for Purposes of the Lead and Copper Rule
- 💧 Circular Letter 2016-09 - Increasing Transparency in the Implementations of the Lead and Copper Rule and Enhancing Efforts to Notify Residents Promptly of Lead Results
- 💧 Circular Letter 2016-11 - Lead & Copper Rule (LCR) - Public Water Systems responsibilities and obligations under the LCR.



Correspondence 2

- 💧 Circular Letter 2016-13 - Eligibility of Service Line Replacement Under the Drinking Water State Revolving Fund (DWSRF) Program
- 💧 Circular Letter 2016-26 – School & Child Care Public Water Systems Lead & Copper Rule Compliance



Consumer Notice Requirements

- 💧 All systems shall provide a notice of the individual tap results from lead tap water monitoring to the occupants of the residence/location where the tap was tested. The notice must be delivered to consumers within 30 days of the sample results being received from the laboratory even if the results did not exceed the action level for lead. The following templates may be used to satisfy the Consumer Notification Requirements:
 - 💧 [Consumer Notice of Tap Water Results – CWS \(pdf\)](#)
 - 💧 [Consumer Notice of Tap Water Results – NTNC \(pdf\)](#)



Lead Public Education

- 💧 CPWSs and NTNCs that exceed the lead action level based on tap water samples are required to deliver lead public education materials to customers within sixty (60) days after the end of the monitoring period in which the exceedance occurs.
- [Guidance for Lead Public Education Content and Delivery Requirements](#) (pdf)
- [Lead and Copper Rule Lead Public Education Template](#) (pdf)
- [Certification of Lead Public Education Content and Delivery](#) (pdf)



Public Water Systems Currently Not in Compliance with the Lead Action Level

- 💧 List of systems – 29 currently not in compliance
- 💧 DPH will update the above list at the end of each monitoring period.
- 💧 For more information or the latest lead test results, please contact the public water system directly.
- 💧 Click here for current status of systems not in compliance with the lead action level.



Questions:

Questions /Comments:

william.sullivan@ct.gov

860-509-7333

Drinking Water Section