

State of Michigan

Department of Licensing and Regulatory Affairs (LARA)

NSF International - Program Syllabus

Reduction of Lead in Drinking Water Act

1. U.S. Safe Drinking Water Act Revision
 - a. New Federal Law redefines lead-free
 - b. Exemptions
2. How do I know which products must meet the new lead-free requirement?
3. Reduction of Lead in Drinking Water Act timeline
4. EPA frequently asked questions
5. Safe Drinking Water Act questions and answers
6. Product compliance
7. NSF/ANSI Standard 372 (Drinking Water System Components – Lead Content)
 - a. Lead content calculation
 - b. Faucet example
 - c. Screening by X-Ray Fluorescence (XRF)
 - d. Material dissolution and lead content by Inductive Coupled Plasma Mass Spectrometry (ICPMS)
8. NSF/ANSI Standard 61 (Drinking Water System Components – Health Effects)
 - a. Tests for any contaminant that may migrate from a material into drinking water
 - i. Metals
 - ii. Non-metals
9. Can products pass NSF-372 testing and fail NSF-61 testing?
 - a. Lead leaching vs. lead content
10. Manufacturing issues, alloy comparison, types of lead-free solutions
11. Basis for lead-free copper product selection
12. Lead-free product compliance
13. ANSI accredited third-party certification bodies
 - a. Lead-free certification marks
 - b. Certification marks – what to look for
14. Lead-free for Engineers
15. Lead-free for Distributors
16. Lead-free for Contractors
17. Lead-free for Inspectors
18. Summary and conclusion