


Lead in Drinking Water






What's the Issue?

- Elevated lead levels in school drinking water.
 - Lead is known to cause significant health effects in children.
 - Lead is present in most water piping between the fence and the faucet.
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Why?

- Older facilities.
 - Lead pipe/lead solder.
 - Brass components contain lead.
 - Corrosion. Water chemistry. Water age.
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HEALTH LEAD IN WATER

Lead Was Found in the Water of New Jersey's Biggest School System

by Reuters MARCH 10, 2016, 11:58 AM EDT



The Ithaca Voice

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All Ithaca area schools may be rife with lead-laden water, records reveal

LEAD IN ITHACA SCHOOLS' WATER, NEWS , TOP / FEBRUARY 24, 2016 / BY [MICHAEL SMITH](#)

ITHACA, NY - New information released by the Ithaca City School District has revealed the problem of high lead concentration in the water may not be limited to Caroline and Enfield schools.

Prompted by the lead issue in Caroline and Enfield schools, the district had begun "comprehensive review of historical water sampling data has included other ICSD buildings as well," according to a letter sent via email to parents by ICSD Superintendent Luvelle Brown.

High levels of lead in Healdsburg Elementary water



High levels of lead were found in water from the main building at Healdsburg Elementary School. (JOHN BURGESS / The Press Democrat)

MARTIN ESPINOZA
THE PRESS DEMOCRAT | February 24, 2016



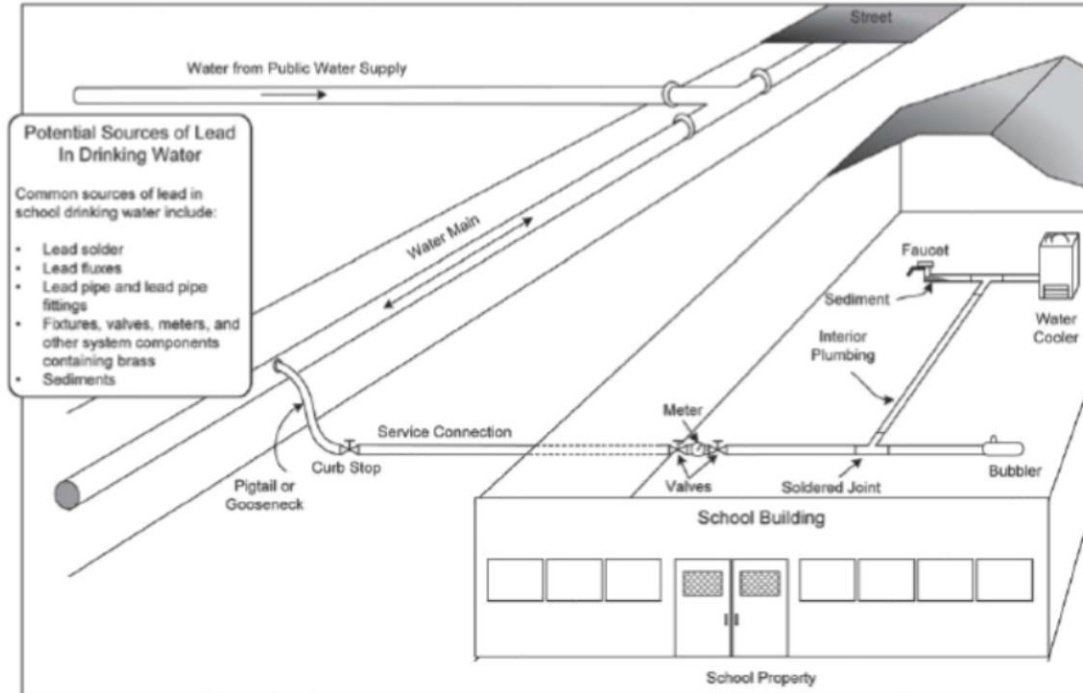


3Ts for Reducing Lead in Drinking Water in Schools



Revised Technical Guidance

Exhibit 1.1: Potential Sources of Lead in Schools





Key Dates Regulating Lead in Plumbing

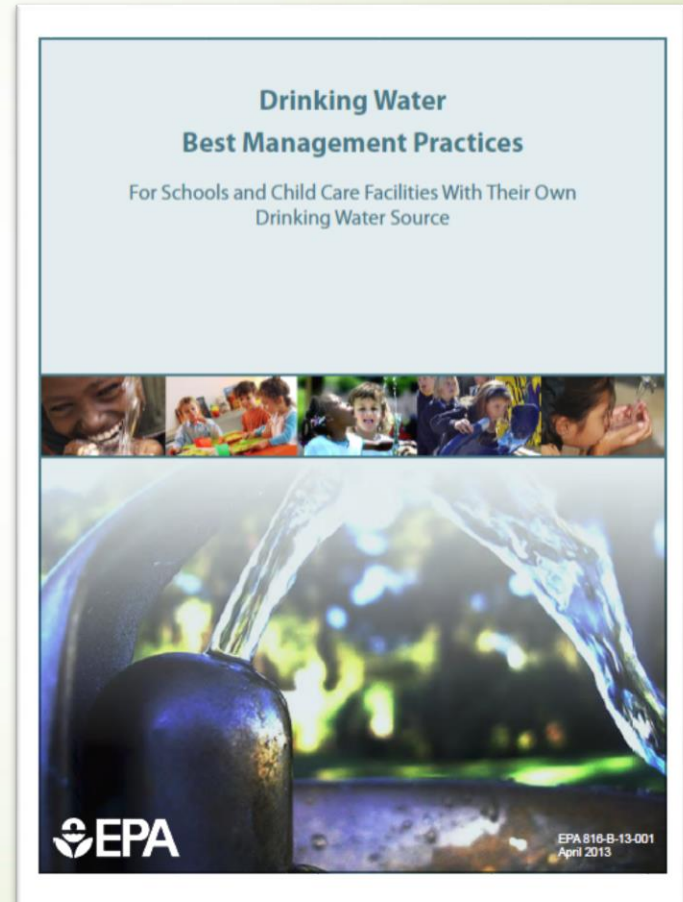
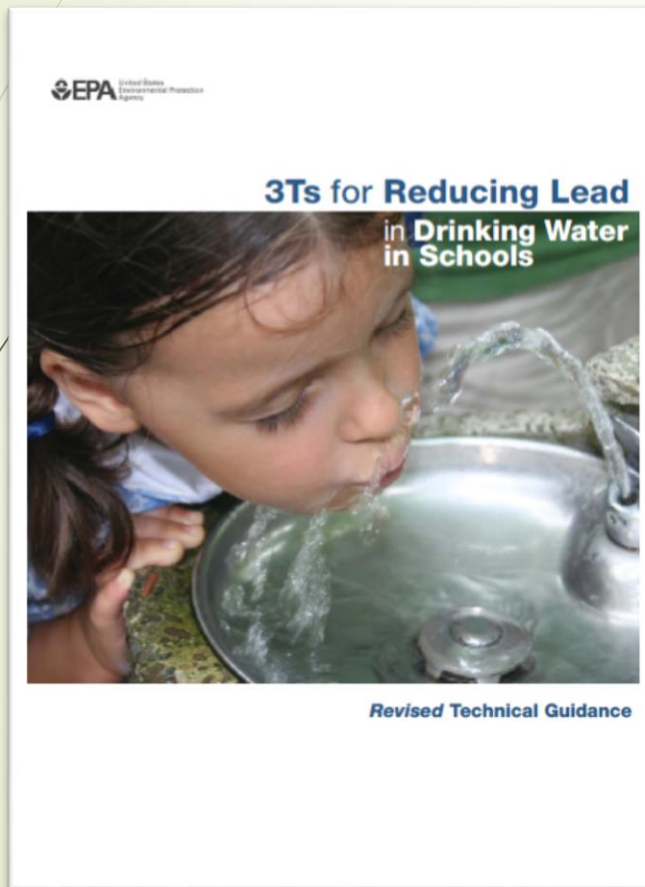
- **1986** – The Lead Ban: Required use of “lead-free” pipe (<8% lead), solder, and flux.
- **1988** – Lead Contamination Control Act (LCCA):
 - ✓ Required identification and resolution of lead problems in schools.
 - ✓ Required schools to remove or repair lead-lined water coolers.
 - ✓ Banned manufacture and sale of lead-lined water coolers.
- **1998** – Lead Ban amended to include fittings and fixtures.
- **2010/2014** (CA/US) – Redefined “lead-free” to mean <0.25% of wetted surface.



Assess Facilities

- Identify buildings with pre-1987 plumbing.
- Check brands/models of older water coolers against EPA list.
- Identify signs of corrosion.
- Review cleaning schedule for screens and/or aerators.
- Identify where plumbing has been updated.

Review Applicable Guidance Documents





Have a Plan

- Prepare to test priority outlets, if needed.
- Follow EPA Guidance.
- Use trained personnel.
- Use a EPA certified laboratory.
- Prepare how/when to communicate.
- Know your next steps.