

We work with others to protect the health of the people of Washington State by ensuring safe and reliable drinking water.

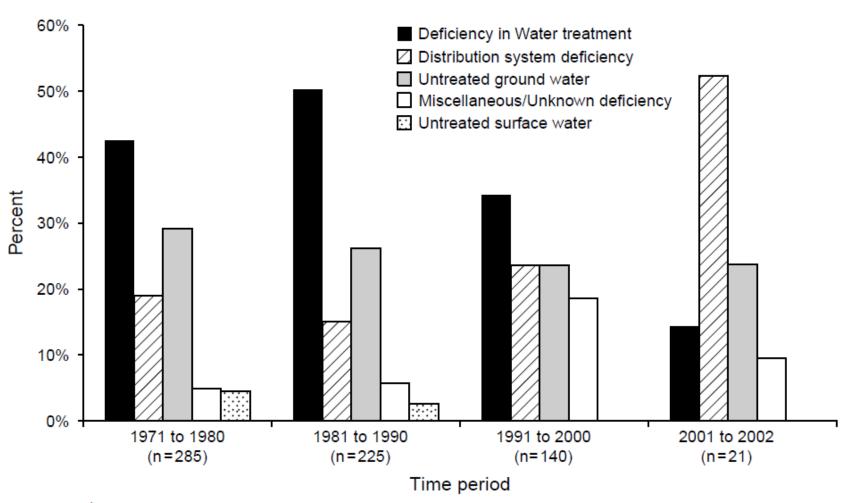


CCC HAZARD SURVEYS

Washington CCC Rules

- WAC 246-290-490 (Drinking Water CCC)
- WAC 246-292 (CCS/BAT Duties & Test Reports)
- WAC 173-240 (Wastewater Treatment Facilities)
 - Criteria for Sewage Works Design
- WAC 173-219 (CCC Reclaimed Water)
- Uniform Plumbing Code (inside buildings)
- WAC 51-56 (amendments to the UPC)
- WAC 246-215 (food rule)

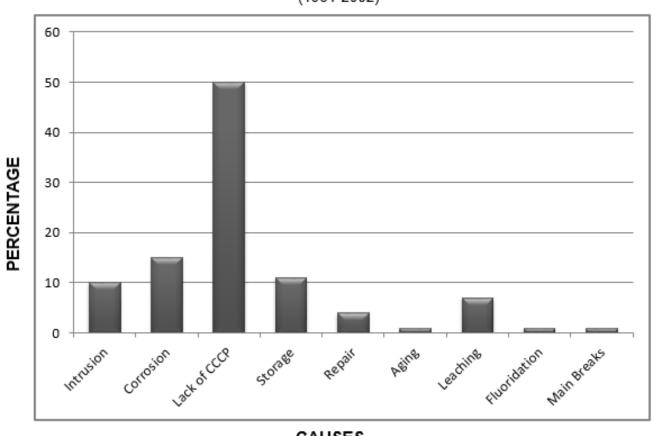
Waterborne Disease



CCC Concerns

CAUSES OF DISTRIBUTION SYSTEM OUTBREAKS

(1981-2002)



CAUSES

Backflow Incidents

- 1. The investigation of an e-coli positive sample identified a rainwater catchment used for "non-potable" uses in a small church.
- A hand-dug well used for "non-potable" uses in a small restaurant cross-connected to the building plumbing.
- 3. 4 instances of Compressed air injected into the distribution system through a lawn irrigation system. Air compressors were incorrectly hooked to backflow assembly test cocks to winterize lawn sprinkler systems.
- 4. An investigation of "muddy" water reports revealed a customer using compressed air to blow-out the fire sprinkler system in a small business.

The Costs of Backflow Incidents

- Your customers could get sick
- You can be subject to litigation
- Loss of consumer confidence
- Hours, flushing, disinfection, sampling...
- May not be able to acquire SRF loans
- Could face actions against your certification
- Regulatory noncompliance

Hazard Surveys

- Mailing or on-site? Existing or New Construction?
- Partnership between surveyor, building owner, and regulator.
- Understand why you're there and don't overwhelm the building owner.
- Get as much information as possible before the survey.
- Start at source and go to each point of use

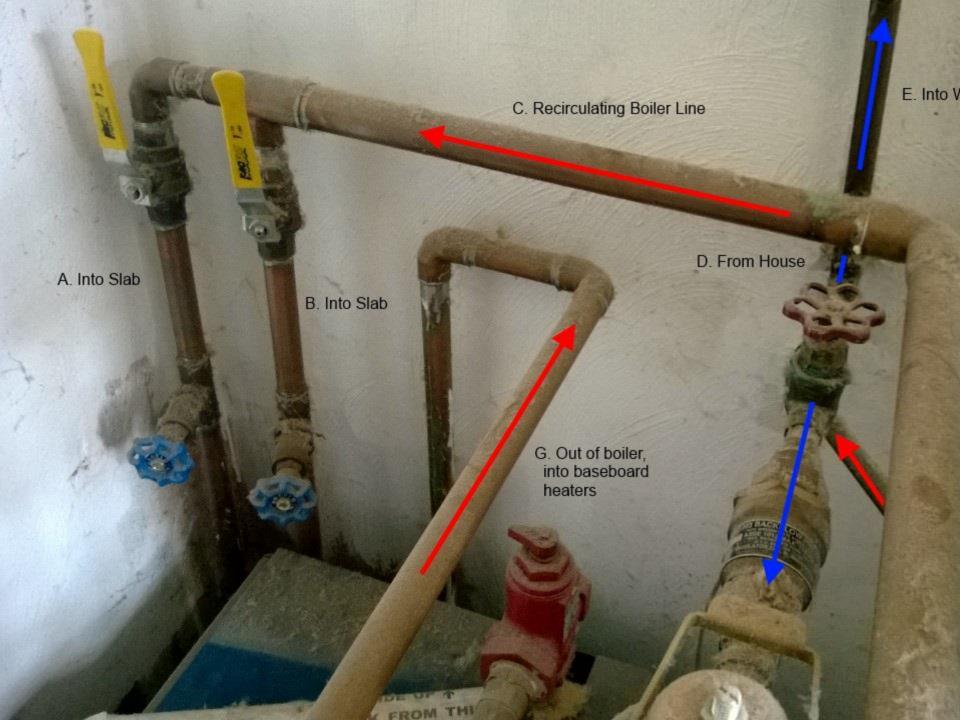
What you Need

- Smart Phone for "new" things, approved assemblies, ASSE codes, call-a-friend
- Take pictures and document, pen and paper, talk to people, business cards, ID badge
- Flashlight, laser pointer, extra batteries, multi-tool, mirror
- PPE- hard hat, goggles, boots, hearing protection, confined space entry equipment, fall protection
- Template report (water uses, cross connections, degree of hazard, existing protection, reference codes and regs, recommendations, date/location, who was there, disclaimer)

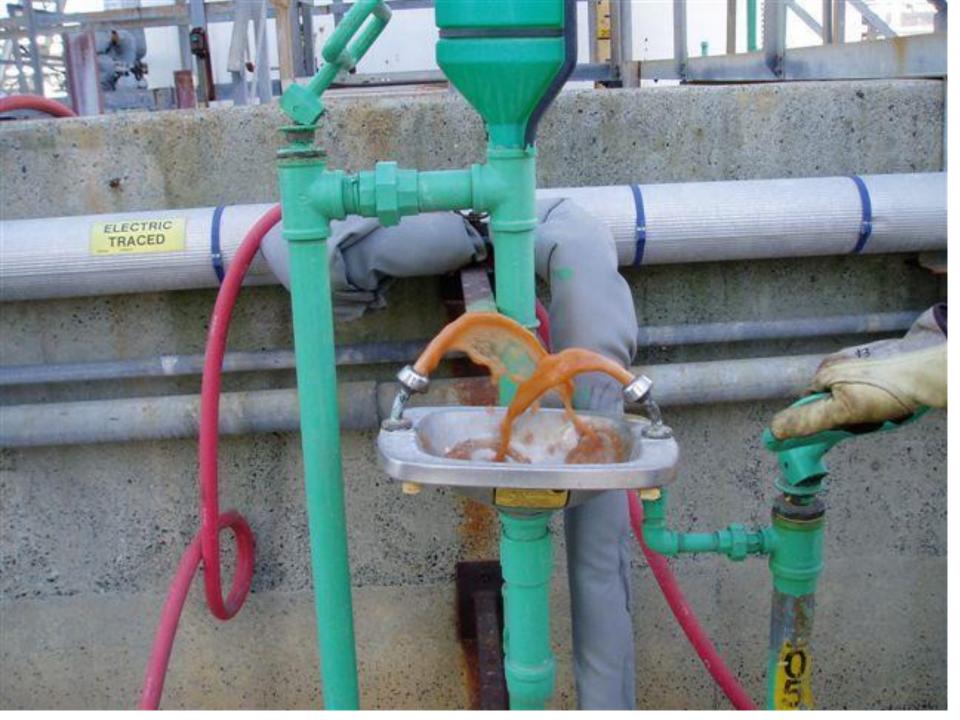
What to Look For

- Irrigation systems
- Solar heating systems
- Boilers
- Auxiliary water supplies
- Livestock watering
- Fire systems
- Water treatment equipment

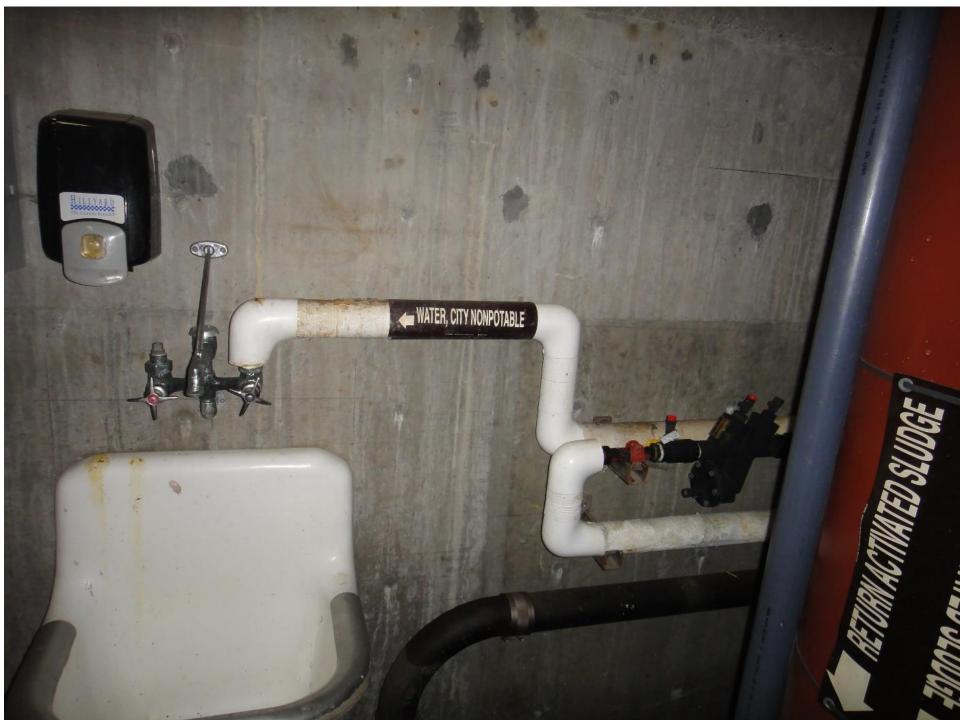












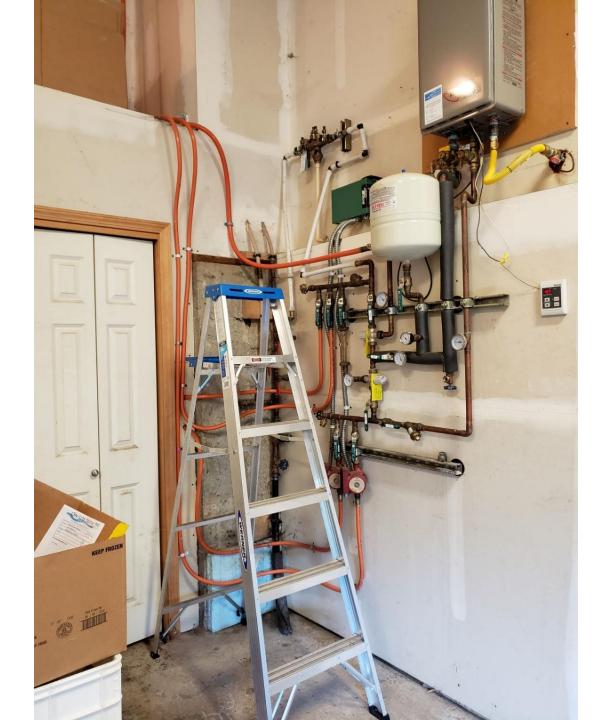




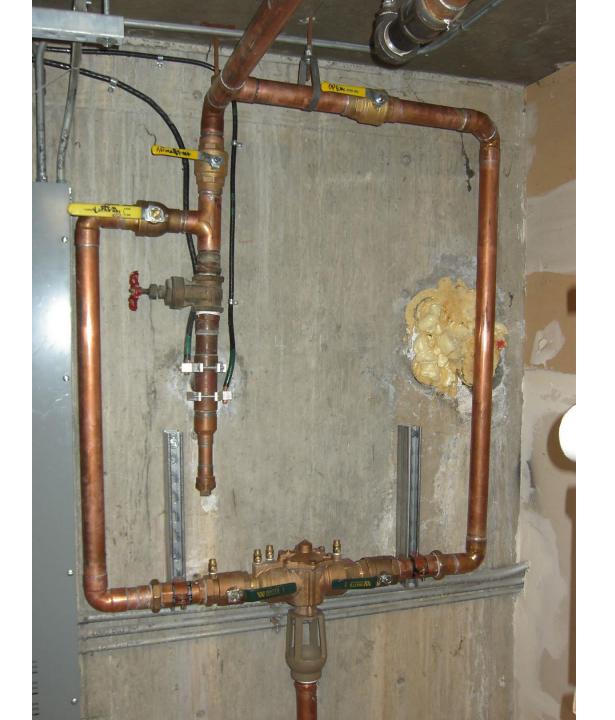










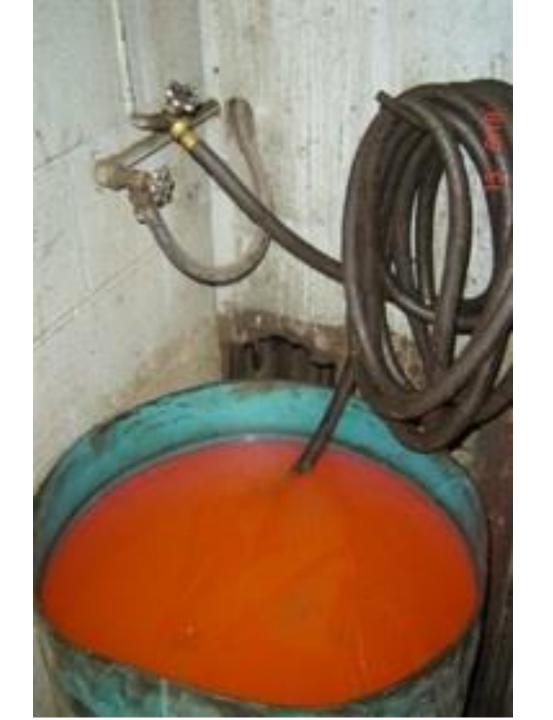












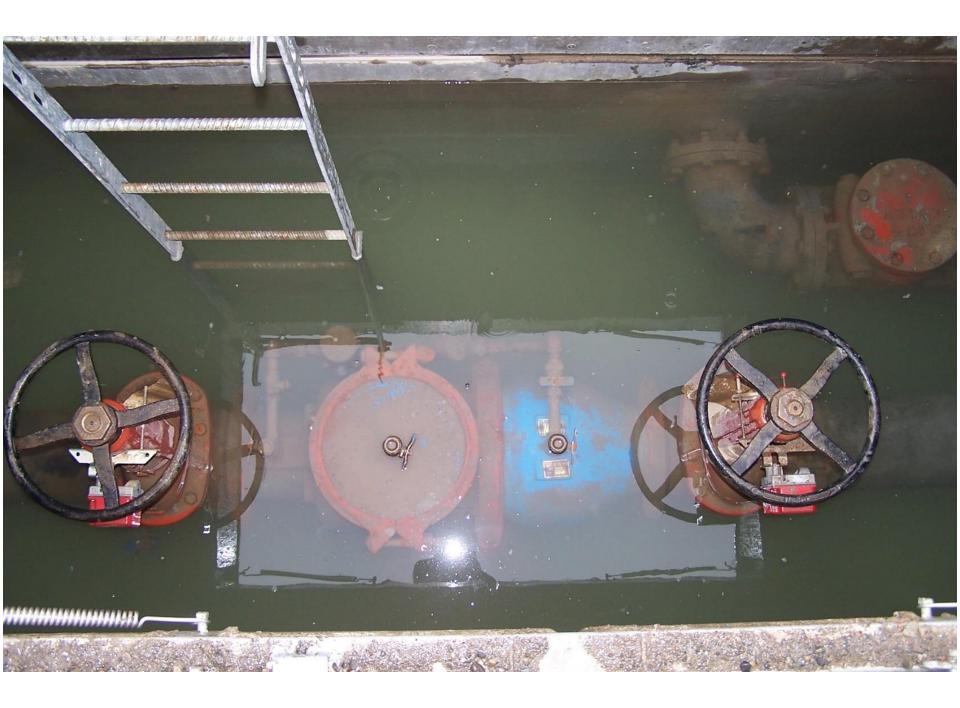


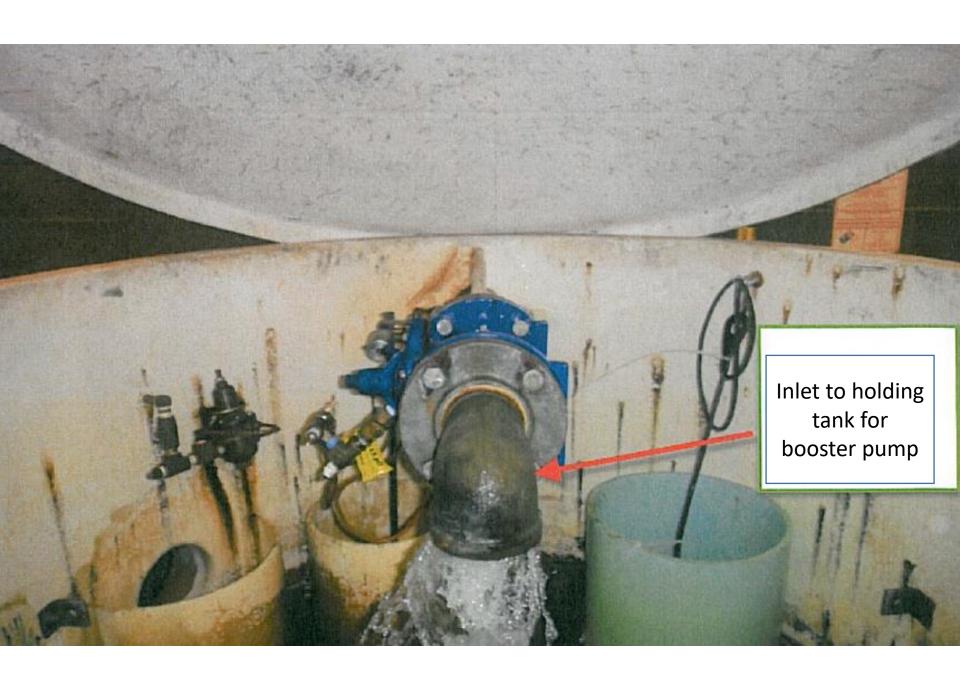










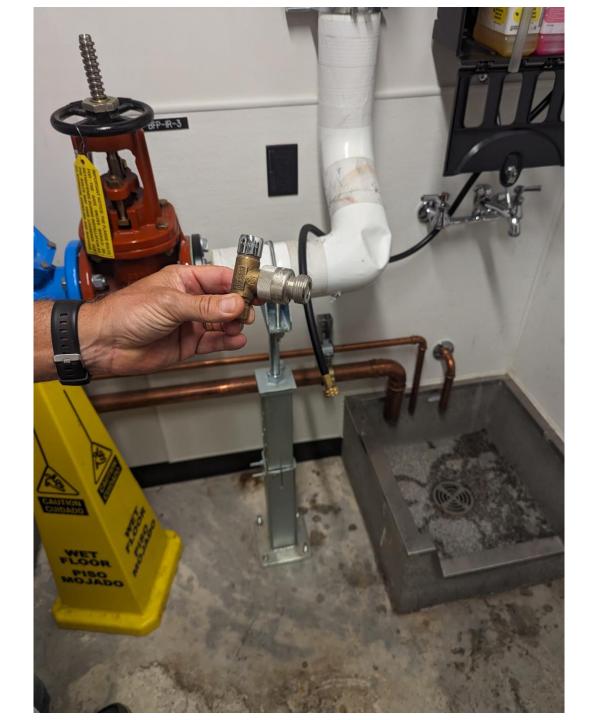


























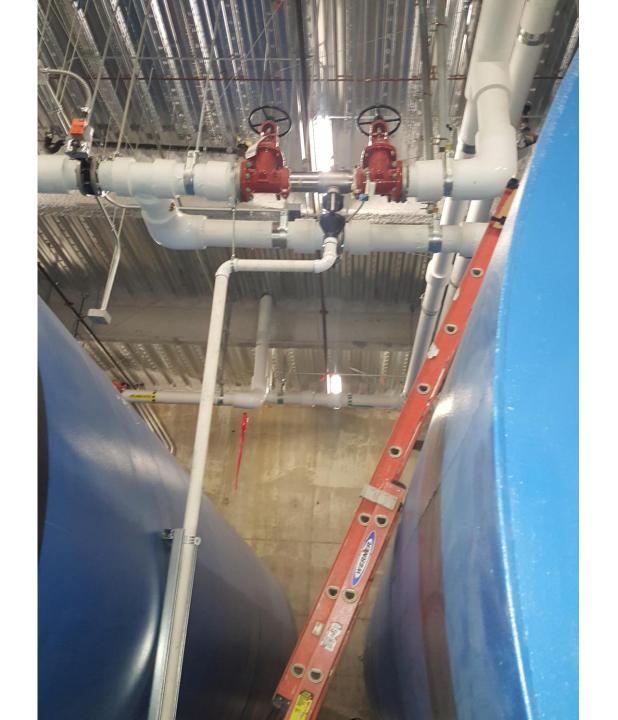




















JANET SHAMLIAN **©CBS NEWS CORRESPONDENT**

OCBS EVENING NEWS WITH NORAH O'DONNELL

NATIONAL BACKFLOW PREVENTION DAY - August 16, 2023



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