

## **Things to look into when completing a RTCR Level 1 or 2 Assessment:**

- Atypical events that may affect water quality
- Changes in distribution operation and maintenance that could affect water quality or storage
- Look at changes in source and treatment
- Available Existing water quality data
- Any inadequacies in sample sites, protocol, personnel and processing

### **Sample Site Evaluation:**

- Look for deficiencies in sample taps, collection, possible contamination sources
- Are they clean, secure, adjustable flow, faucet type, location, threads or vacuum breakers
- Weather during sampling
- Were there any poe or pou devices
- Sampling protocol: flushed correctly, tap cleaned, condition of sampling containers, training of samplers, storage of samples, lab processing
- Recent plumbing changes, new construction

### **Source and Treatment:**

- Any sanitary defects noted on last sanitary survey or inspection
- Well protection, condition of well pad, housing, casing, seal, vent, pump
- Is source vulnerable to flooding or runoff
- Water quality data over the last couple months, changes?
- Any changes or disruptions in water treatment
- Condition day tanks and chemical storage

### **Storage/Distribution/Maintenance:**

- Storage tank last cleaning, inspection, water age
- Water quality data in distribution, biofilm issues
- Watermain replacements, breaks - planned or unplanned
- Flushing schedules
- Valve exercises
- Communication between sampling team and maintenance regarding PBWN or new construction
- Seasonal changes, temperature, water usage