Disinfection Flow Chart

Public Water Supply

Surface Water System

- Surface Water Treatment Rule
  - ARM 17.38.208
  - Entry Point disinfection residual ≥0.2 mg/L
    - CFR 141.72
  - Distribution system disinfection residual must be detectible
    - CFR 141.72

- Disinfection
  - ARM 17.38.229
  - Full-Time Disinfection without 4-log inactivation/removal
  - Entry Point disinfection residual ≥0.2 mg/L
  - In addition to the entry point residual, a system may be required to maintain a residual ≥0.2 mg/L in the distribution system
    - ARM 17.38.229

Ground Water System

- Ground Water Rule
  - ARM 17.38.211
  - Full-Time Disinfection Minimum 4-log inactivation/removal = X mg/L as determined by engineering review
  - Entry Point disinfection residual ≥X mg/L for 4-log credit
  - In addition to the entry point residual, a system may be required to maintain a residual ≥0.2 mg/L in the distribution system
    - ARM 17.38.229

Consecutive Connection

- ARM 17.38.225 and 17.38.229
  - Receiving water from a PWS that is not required to maintain a chlorine residual in its distribution system may not have residual requirements
  - Receiving water from a PWS that is required to maintain a residual ≥0.2 mg/L in its distribution system

Water Hauler

- Each load of water must maintain a residual ≥0.4 mg/L
  - ARM 17.38.513
  - Delivered water must have a residual of ≥0.4 mg/L
    - ARM 17.38.513

- Water Hauler
  - Delivered water must have a residual of ≥0.4 mg/L
    - ARM 17.38.513

- Receiving water from a PWS that is required to maintain a residual ≥0.2 mg/L in its distribution system

Public Water Supply

Unless otherwise required by the department, consecutive connections to Surface Water systems must maintain a detectible residual at the entry point and in the distribution system

- ARM 17.38.210

Public Water Supply