













# **Sampling Plan Content**

• The plan shall include the following general water system information:

- System name & PWSID number
- System type (GW, SW, GUDISW, SWP, GWP)
- ► List of sources including their facility ID
- Treatment highlighting corrosion control treatment
- Contact information for the system owner and operator
- ► Total number of service connections
- Population served (excluding transient populations)
- Date plan was prepared (and revision date)
- Signature of Licensed Operator indicating review/approval





Tap Sampling Sites per Population		
The number of sample is based upon the syst population served	es sites utilized to sample em's residential and no	e throughout the DS n-transient
System size (Population Served)	No. of Standard Distribution Sites for WQPs	No. of Reduced Distribution Site for WQP
> 100,000	25	10
10,001 - 100,000	10	7
3,301 - 10,000	3	3
501 0.000	2	2
501 - 3,300	~	2



## Entry Point to the Distribution System (EPTDS) Monitoring Considerations

- Permanent, active Interconnections
  Required to be monitored as EPTDS
- Seasonal Sources
  - ▶ Wells, Treatment Plants, Interconnections
  - Required to be monitored as EPTDS during operational periods

Additional WQP sampling may be required based on the dynamics of the water system

# Groundwater EPTDS Monitoring

If only groundwater is being utilized, EPTDS monitoring may be limited to representative sites <u>with DEP's</u> <u>approval</u> as per 40 C.F.R. 141.83 (3)

 If water from untreated groundwater sources mixes with water from treated groundwater sources, the system must monitor for WQP both at representative EPTDS receiving treatment and representative EPTDS receiving no freatment

# Monitoring Schedules & Analytes Initial WQP Monitoring



















- Use acceptable analytical methods detailed in 40 CFR 141.23(k)(1)
- Conduct proper calibrations and maintain records of all QAQC tasks
- Submit results on the WQP Monitoring Report Form for Approved Party via email to watersupply@dep.nj.gov











#### Treatment Technique Violation • Only required if on Optimal sampling schedule

- ▶ Report violation to NJ DEP within 48 hours
- ► Deliver public notice (Tier 2) within 30 days
- ► Submit a Public Notification Certification Form (BWSE-53)
- ►Include a discussion of the Violation in your CCR
- Return to standard (every 6-months) WQP tap monitoring AND lead and copper tap monitoring

## Continue to Update Sampling Plans as Necessary

- The system shall update the plan as needed based on any change within the water system, such as, but not limited to, source water changes, treatment changes, etc.
- Future submission will be required prior to current plan's approval expiration date.

# Key points

- WQP Sampling applies to ALL large systems and only those Small/Medium systems that have ALEs and/or CCT installed
- DS sample sites may be the same as those used for Coliform Sampling
- EPTDS sites should include all interconnections and protocols should be included for seasonal sources.
- Initial Monitoring Following an ALE to determine Optimal CCT
  Within 6 months of an ALE
- Follow-Up Monitoring to determine Optimal WQP values
  After Installation of CCT
- Optimal Monitoring To assist in maintaining optimized CCT
  Indefinite

#### Resources

- EPA's Lead and Copper Rule Monitoring and Reporting Guidance for Public Water Systems
- EPA's How to Determine Compliance with Optimal Water Quality Parameters as Revised by the Lead and Copper Rule Minor Revision
- Water Quality Parameter Sampling Plan Guidance by the New Jersey Department of Environmental Protection Division of Water Supply and Geoscience



