



Fact Sheet – Water Quality Parameters

for Follow-Up Monitoring

(Ver 1.3, February 2018)

Introduction

- Follow-up Water Quality Parameter (WQP) monitoring is applicable to Community and Nontransient Noncommunity Water Systems that have installed Corrosion Control Treatment (CCT) for the purpose of reducing levels of lead and/or copper.
- The Follow-up WQP monitoring results will help the system and the State determine whether CCT is optimized following installation prior to setting optimal WQP values [40 CFR 141.87].
- Follow-up WQP monitoring is required for 2 consecutive 6-month periods following the installation of CCT.

Sample Sites:

- Entry Point to the Distribution System (EPTDS):
 - Each EPTDS with CCT
 - Interconnections in which the wholesaler has CCT
 - Only those active during the monitoring period
- Distribution System (DS):
 - Representative sites throughout the DS
 - The number of sites required is based on the population (see Table)
 - Site selection should be in accordance with NJDEP guidance

Residential Population	Number of DS Sites
>100,000	25
10,001 to 100,000	10
3,301 to 10,000	3
501-3,300	2
101 to 500	1
<100	1

Sample Point

Required Parameters

Frequency

Sample Point	Required Parameters	Frequency
EPTDS:	<ul style="list-style-type: none"> • pH • Alkalinity (Only if adjusted) • Orthophosphate (as P) and/or Silica (Only when an inhibitor containing one of these compounds is used.) • Calcium (Only if adjusted) • Dosage rate of any CCT chemical feed 	<ul style="list-style-type: none"> • Biweekly (1 sample at least every 14 days) • Biweekly monitoring periods are set based on the initial start date of the monitoring schedule (January 1 or July 1), not the effective start date. • Biweekly monitoring periods are available at http://www.nj.gov/dep/watersupply/dwc-lead-wqpm.html
DS:	<ul style="list-style-type: none"> • pH • Alkalinity • Orthophosphate (as P) and/or Silica (Only when an inhibitor containing one of these compounds is used.) • Calcium (Only if adjusted) 	<ul style="list-style-type: none"> • 2 consecutive 6-month periods • 2 sets of samples from each site on different days in each 6-month period. • Recommend collecting 1 set per quarter.

Who Can Collect WQPs?

- WQP samples may be collected by a NJ certified drinking water laboratory or by an Approved Party, provided the samples are analyzed according to the methods in 40 CFR 141.23 (k)(1).
- An Approved Party is a “person acceptable to the state” and may be a licensed operator or someone trained by a licensed operator. If an Approved Party conducts the monitoring and analyses, proper calibrations and recordkeeping of all QAQC tasks must be kept on site and made available upon request.
- All WQP analytical results collected and analyzed by a certified lab shall be submitted electronically via E2. If the analysis is conducted by an Approved Party, the WQP analytical results shall be entered onto the *WQP Monitoring Report Form for Approved Party* and emailed to watersupply@dep.nj.gov.

Optimal Water Quality Parameters

After the completion of follow-up monitoring, recommended optimal values must be submitted to the State within **30 days** using the *Optimal Water Quality Control Parameter Recommendation Form* (BWSE-LC03). The State will then designate minimum values that the system must maintain at both the EPTDS and throughout the DS. Optimal WQP monitoring is required to begin January 1st or July 1st immediately after the State sets the optimal WQP values.

Additional Resources:

DEP Lead in Drinking Water - Public Water System Information Including WQP Guidance:

<http://www.nj.gov/dep/watersupply/dwc-lead-public.html>

Referenced Regulatory forms and directions: <http://www.nj.gov/dep/watersupply/dws-sampreg.html>.

DEP WQP Compliance: <http://www.state.nj.us/dep/watersupply/pdf/wqp-guidance.pdf>

EPA Optimal CCT Evaluation: www.epa.gov/sites/production/files/2016-03/documents/occtmarch2016.pdf

For further assistance, please contact the Bureau of Water System Engineering at 609-292-2957 or watersupply@dep.nj.gov