



Fact Sheet – Approved Person

for Water Quality Parameter Monitoring

(Ver 1.0, May 16, 2017)

Introduction:

- The Lead and Copper Rule (LCR) is applicable to Community and Nontransient Noncommunity Water Systems and requires Water Quality Parameter (WQP) sampling after an Action Level Exceedance (ALE) and/or as a result of installation of Corrosion Control Treatment (CCT).
- The WQP results will help the system and the State determine:
 - How corrosive the water supply is,
 - Appropriate CCT options, and
 - Whether CCT is being properly operated and maintained following installation [40 CFR 141.87].

What are WQPs?

- Various parameters that are used to determine the corrosivity of water.
- They help identify the appropriate CCT to be utilized.
- They also help determine whether CCT is being properly maintained.
- WQPs include: pH, Alkalinity, Calcium, Conductivity, Temperature, *Orthophosphate, *Silica, Iron, Manganese, Chloride, and Sulfate

**Orthophosphate must be measured only when an inhibitor containing a phosphate compound is used. Silica must be measured only when an inhibitor containing a silicate compound is used.*

What are the requirements for analysis?

- Compliance sampling under the Safe Drinking Water Act requires all analyses to be performed by a certified laboratory with the exception of:
 - Alkalinity
 - Conductivity
 - Temperature
 - Silica
 - Calcium
 - pH
 - Orthophosphate
- Therefore, an individual deemed acceptable by the state is allowed to perform these tests.

Who is deemed an acceptable person?

- A New Jersey Licensed Operator, or
- Anyone that has been trained by a Licensed Operator for the specific purpose of sample collection and analysis.

What are the responsibilities?

- Utilize the analytical methods outlined in 40 CFR 141.23(k)(1).
- Report results using the *WQP Monitoring Report Form for Approved Party* (which can be found at <http://www.nj.gov/dep/watersupply/dws-sampreg.html>) via email to watersupply@dep.nj.gov.
- Conduct proper calibrations and maintain records of all QAQC tasks which must be kept on site and made available upon request.
- Please refer to EPA's *Lead and Copper Rule Monitoring and Reporting Guidance for Public Water Systems* for more information (<https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100DP2P.txt>).

Additional Requirements:

- All orthophosphate results must be reported to the State as "orthophosphate as P". If using an instrument with a readout for PO₄, multiply that value by 0.326 in order to obtain the "orthophosphate as P" value. Samples also cannot be digested prior to analysis.

Additional Resources:

DEP Lead in Drinking Water - Public Water System Information:

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

Regulations Governing The Certification Of Laboratories And

Environmental Measurements: http://www.nj.gov/dep/rules/rules/njac7_18.pdf

EPA 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

Additional information on Initial, Follow-Up, and Optimal Water Quality Parameter Monitoring can be found on our Water Quality Parameter-Fact Sheets

For further assistance, please contact the Bureau of Water System Engineering at:

609-292-2957 or watersupply@dep.nj.gov