

Lead In Drinking Water

Sampling Plan

For

WARSAW Central School District

April 2016

Background:

Lead in drinking water is an important issue that WARSAW Central School is addressing by developing and implementing this voluntary sampling plan. Under current law, lead sampling is not required by the district unless it utilizes drinking water fed from district wells. The district has decided to voluntarily sample water sources in its buildings due to the potential for lead contamination from older plumbing fixtures.

The primary guidance document utilized for the development of this plan is the “**3T’s for Reducing Lead in Drinking Water in Schools**”. This document was developed by the EPA to provide technical guidance for schools. In addition, the District has received input from our local Department of Health and our water supplier.

Scope:

Drinking water sources will be tested to assure that they are below the EPA drinking water supplier “action” level of 15 ppb. Additional details regarding the levels, sources, and the sampling protocols to be utilized can be found in the “**3T’s for Reducing Lead in Drinking Water in Schools**”.

Testing will include drinking fountains, coolers, ice makers, faucets, and bubblers in areas where children commonly consume water. Additionally, faucets in Home Economics classrooms, Nurses offices, and kitchen sinks where water is used for cooking will be sampled. The District will develop a list of sources to be sampled and will then develop a priority schedule for each site.

Timeframes:

The WARSAW Central School District will initiate sampling after meeting with the local water supplier and reviewing the building plumbing system. The water sampling team will then receive instruction on proper collection procedures, based on the 3T’s sampling criteria. The district will begin the testing program in the Elementary school and then proceed to the High School

The sampling will be conducted after the sources to be sampled have been unused for a time period of between 8 and 18 hours in accordance with the 3T’s sampling protocols.

After the initial test results are received from the lab, the data must be analyzed and decisions regarding additional sampling and remediation can be made. This process will be done over 3-5 week period and will follow the flow chart for follow-up and remediation of identified sources from the 3T’s guidelines

Plumbing Profile

WARSAW High School

Piping ~95% Copper

~5% Iron

Notes: No Grounding wires connected to water piping system was noted

Elementary School

Piping ~ 99% Copper

~1% Iron

Note: No Grounding wires connected to water piping system was noted

Possible Remediation Actions (Specific action to be chosen from 3T's flowchart):

Options:

- Flush and resample
- Replace the fixture
- Replace the piping
- Take outlet out of service
- Water treatment additives to reduce lead
- Daily flushing program-short term alternative

Approximate Cost Estimates:

Replace Water Cooler ~\$500/fixture parts only

Replace bubbler ~\$200/fixture parts only

Replace faucet ~\$100/fixture parts only

Data Assessment:

Test data will be analyzed by the District, the water supplier and the Department of Health to determine if additional testing will be completed and what actions need to be taken. High lead levels will result in a fixtures removal from service immediately!

Public Notification:

Test results and remediation efforts will be made public on the district's website and other appropriate media upon completion of all testing.

Attachments:

EPA 3T's Document

Inventory of Fixtures to Be Sampled

Building Map