

WATER TESTING MANAGEMENT PLAN 2021-2022



Williamson Central School District

4184 Miller Street
Williamson, NY 14589

I. Introduction

The purpose of this Water Testing Management Plan is to document Williamson Central School District's effort to assess potential drinking water problems, plan to determine exposure levels, and mitigation steps for any discovered elevated levels of lead in drinking water. The decision to test is based on concerns about lead and the serious health implications of lead exposure.

Currently, regulations affect the suppliers for public drinking water, manufacturers of water system components and the construction of water systems. As of September 6, 2016, New York State School Districts are required to test their water supply.

Williamson Central School District receives its water supply from the following water supplier:

**Town of Williamson Water Department
6380 Route 21
Williamson, NY 14589**

The primary guidance document utilized for the development of this plan is the USEPA "3T's for Reducing Lead in Drinking Water in Schools." In addition our school district has received input from Genesee Valley Educational Partnership Health, Safety & Risk Management Service, the New York State Health Department (NYSHD) and the Wayne County Health Department and our water supplier to address these concerns. This plan is a result of those recommendations.

II. Risks

Lead poisoning is defined as blood levels exceeding 10 micrograms of lead per deciliter of blood in children under the age of 6. Children, due to consumption level relative to their body size, and pregnant women due to the risk to the fetus, have unique risks. Lead is toxic and can harm a child's brain, kidneys, bone marrow and other body systems, largely due to our body's inability distinguish between lead and calcium. Lead poisoning may result in cognitive and intelligence function impairment, hearing loss and lack of height in children.

The CDC affirms that there is no safe blood level of lead. The EPA estimates that drinking water accounts for 10 - 20% of ingested lead. Although drinking water may be a minor contributor, lead's toxicity warrants action anytime the EPA action level for lead in drinking water exceeds 15 micrograms per liter(mg/l) or 15 parts per billion (ppb).

III. Sampling Plan

Recognizing the concern for lead in drinking water within the community, District Superintendent Marygrace Mazzullo, Assistant Superintendent for Business Jeffrey Sutton, Director of Facilities James Long, along with staff members from the Genesee Valley Educational Partnership Health, Safety and Risk Management Office collaborated to develop this plan.

It was decided to test all water fixtures intended to provide water for consumption within the Williamson Central School Districts facilities. Testing will include drinking fountains, water coolers, ice makers, faucets in areas where children commonly consume water, home and careers classrooms special education classrooms, Nurse's offices, Faculty and Break rooms, kitchen sinks where water is used for cooking. The Three locations to be tested:

1	High School	5891 Route 21 Williamson, NY, 14589
2	Middle School	4184 Miller Street Williamson, NY, 14589
3	Elementary School	6036 Highland Ave, Williamson, NY, 14589
4	Bus Garage	To be Tested in 2025
5	District Office	To be tested in 2025
6	Concession Stand	To be tested in 2025

Identification of these areas will be by a unique ID, shown on a floor plan and on a spreadsheet list.

The sampling protocol will follow the EPA's "3T's for Reducing Lead in Drinking Water in Schools:

1. Take a 250 mL sample that is the "first draw." A first draw is the sample taken before any water use has occurred after a documented dormancy from not less than 8 hours and not more than 18 hours of inactivity.
2. Aerators and screens will not be removed prior to sampling.
3. Samples will be taken into containers provided by the testing lab for the purpose, stored according to the testing lab's protocol and remain in the custody of the lab hired to do the testing.
4. Samples will be tested for lead content.

IV. Results

Results, when available, will be published on the Williamson Central School Districts website. These results will also be sent to New York State Department of Health.

If the results for any fixture show that the lead content exceeds the EPA action level of 15 parts per billion for lead then the fixture or fixtures will be closed down until the fixture is remediated. Subsequent testing will be performed on any remediated fixtures until it can be concluded that all water intended for consumption is provided at a level below the EPA action levels.

If more than 10% of the samples for any building exceed the action levels, a further investigation will be made to evaluate what parts of the system of contributing to the overall levels of lead. A further investigation may include alternate water sourcing and extended monitoring.

V. Designated Person

James Long, Director of Facilities & Operations, is designated to coordinate the Water Testing Management Plan.

1. Survey buildings to identify fixtures that supply water intended for human consumption.
2. Develop water sampling identification on floor plans and a spreadsheet.
3. Contact the Town of Williamson Water Department to invite them to participate in the testing.
4. Contact the Town of Williamson Water Department to ask them to describe any known configurations in the service supply such as goosenecks, lead piping, or valves that might impact the incoming water quality.
5. With advice from the Water Authority request proposals from local environmental labs certified for water testing to sample, test and report results:
6. Schedule the testing.

7. Supervise testing procedures to make sure this plan is followed.
8. Report result to administration with recommendations.
9. Provide results to the Williamson Central School Districts website administrator for publishing.
10. Send results to the New York State Health Department.
11. Send results to the Health & Safety Committee.
12. Answer questions from staff.
13. Present updates to the plan and any new recommendations to the Safety Committee for review and approval.

VI. Remediation:

If the results of the water testing show lead levels of concern, further actions may be required such as:

1. Review with staff that safe drinking water practices include:
 - a. Using only cold water for drinking and for use in food preparation.
 - b. Upon the first use of water after dormancy, allow the faucet to flush for not less than 60 seconds before drawing water for consumption.
 - c. Avoid drawing water from custodial sinks, bathrooms and other locations not designed for consumption.
2. Review Preventative Maintenance procedures to ensure:
 - a. Regularly documented flushes of hot water tanks and other low lying sections that may accumulate sediment.
 - b. Regularly documented drinking fountain filter unit service.
 - c. Regularly documented cleaning of aerators and screens on the fixtures that serve water for human consumption.
3. Replacement of fixtures.
4. Precautions may entail signage/shutting off/removal of outlet.
5. An engineering assessment of the plumbing profile of affected buildings to identify:
 - a. Piping sediment traps
 - b. Piping dead-ends
 - c. Cross connections between the cold and hot water system
 - d. Leaded valves.
 - e. Piping runs with lead solder.
 - f. Older brass fittings that may introduce lead into the water.

VII. Recordkeeping

Williamson Central School District will maintain all testing records and any correspondence with regulatory agencies regarding drinking water test results as well as records of mitigation efforts and training and support provided to affected staff.