LITTLETON LWD WATER DEPARTMENT

2023 ANNUAL Drinking Water Quality Report

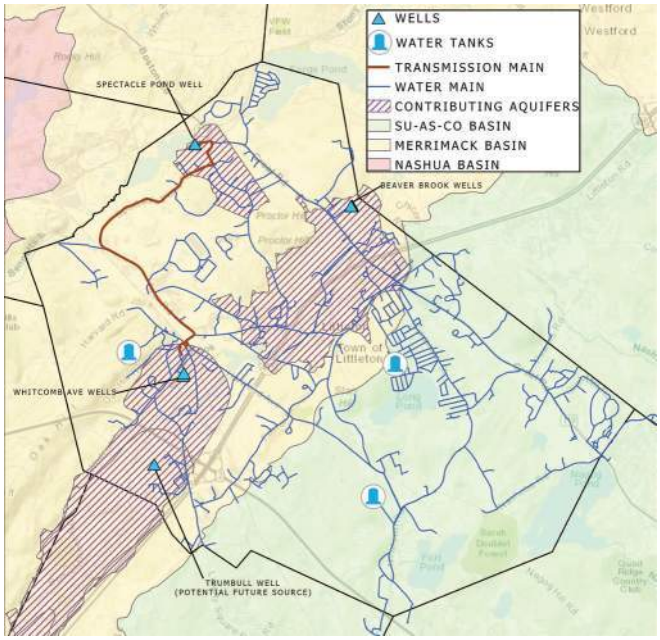
39 AYER ROAD, LITTLETON, MASSACHUSETTS | WWW.LELWD.COM | MASSDEP PWSID# 2158000

This report is a snapshot of the drinking water quality that the Littleton Electric Light and Water Departments (LELWD) provided last year. Included are details about where your water comes from, what it contains, and how it compares to state and federal standards. We are committed to keeping you informed about the quality of your drinking water.

Water System Improvements

Our water system is routinely inspected by the Massachusetts Department of Environmental Protection (MassDEP). MassDEP inspects our system for its technical, financial, and managerial capacity to provide safe drinking water to you. To ensure that we provide the highest quality of water available, your water system is operated by a Massachusetts certified operator who oversees the routine operations of our system. As part of our ongoing commitment to you, last year we initiated the following improvements to our system:

- Completed construction and start up of the Whitcomb Ave Water Treatment Plant, designed to treat source water for iron, manganese, and Per- and Polyfluoroalkyl Substances (PFAS).
- Began construction of the new Water Resource Recovery Facility (WRRF) and sewer collection system to support local development near the Littleton Common while protecting the local water supply.
- Completed construction of the new Cedar Hill Storage Tank and demolition of the previous Cedar Hill Standpipe.
- Implemented a system-wide Unidirectional Flushing Program (UDF) to remove iron, manganese, and sediment accumulation from water mains to improve water quality.



Your Drinking Water Source

Where Does My Drinking Water Come From?

Your water is provided by the following sources listed below:

SOURCE NAME	MASSDEP SOURCE ID#	SOURCE TYPE	LOCATION OF SOURCE
Spectacle Pond Well	2158000-04G	Groundwater	686 Great Road
Whitcomb Wells	2158000-02G, 08G	Groundwater	76 Whitcomb Ave.
Beaver Brook Wells	2158000-05G, 06G, 07G	Groundwater	519 Great Road

In case of emergencies, the LWD maintains interconnections with the Westford, Ayer, and Acton water utilities. In 2023, Westford supplied water to Littleton to aid in temporarily meeting system demands. For more details, see the table below:

PWS	Date Water Use Started	Date Water Use Ended	Water Received (Gal)
Westford Water Department (ID# 3330000)	2/28/2023	5/10/2023	6,109,679

For more information, contact Mark Warren of the Westford Water Department (mwarren@westfordma.gov)

Opportunities for Public Participation

If you would like to participate in discussions regarding your water quality, you may attend one of our monthly Commissioners' Meetings, held on the first Wednesday of each month in the LELWD Operations Center at 39 Ayer Road.

Public Water System Information

Address: 39 Ayer Road, Littleton, MA, 01460
Contact: Tyler O'Brien, Operations Coordinator, (978) 540-2286

Source Water Protection

The Town of Littleton integrates land-use planning, environmental audits, and groundwater monitoring in an aggressive and comprehensive aquifer and watershed protection program. Begun in 1981, much of the success of the program is due to a cooperative relationship between community planners and industrial and commercial developments.

One important factor in the program's success has been the water department's effort to foster a cooperative partnership with the business community. Through communication, assistance, and non-adversarial monitoring, the program has become a close environmental partner and consultant to local industries and businesses.

Because of its effectiveness, the program has been recognized as a model for the development of wellhead protection strategies in many New England communities. As part of this program, more than 100 groundwater-monitoring stations are located at over 30 properties within the community, and are maintained and sampled by the water department. All compliance - monitoring costs are borne by the regulated bodies.

In addition, LWD environmental personnel conduct environmental audits of regulated facilities to ensure compliance with Littleton's Aquifer and Water Resource Protection Bylaws and other state and federal regulations. This typically consists of a walk-through inspection to assess the environmental liability of products at the site, with recommendations offered for safe storage and handling procedures.

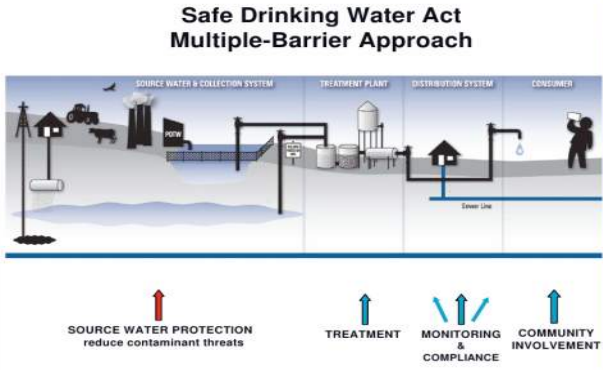
Residents can assist in protecting the groundwater by practicing good septic system maintenance, such as pumping out their septic tank every two years, and not using the septic system to dispose of solvents and paints. Limiting the use of pesticides, herbicides and fertilizers on lawns will also help. Participating in hazardous waste collection also helps reduce the potential improper disposal of hazardous materials.

Is My Water Treated?

Our water system makes every effort to provide you with safe and pure drinking water. To improve the quality of the water delivered to you, we treat it to remove several contaminants.

- We add a disinfectant to protect you against microbial contaminants.
- We filter the water to remove small particles and organisms such as sediment, algae and bacteria.
- We chemically treat the water to reduce lead and copper concentrations.
- We chemically treat the water to reduce levels of iron and manganese.

The water quality of our system is constantly monitored by us and MassDEP to determine the effectiveness of existing water treatment and to determine if any additional treatment is required.



The use of chlorine in drinking water treatment has saved millions of American lives since it was first introduced in 1908 to combat waterborne diseases like cholera, typhoid fever, and dysentery. Today, the vast majority of public water systems in the United States use chlorine to ensure that their customers are protected from these and other waterborne diseases. Here in Littleton, we add low doses of chlorine to the water at all of our well sites to ensure that the water delivered to your tap is free from bacteria and other potential disease-causing organisms.

In addition to its disinfection abilities, chlorine also oxidizes many contaminants from their dissolved to particulate, or solid, forms, making removal easier. For example, at our Beaver Brook Treatment Facility, we use chlorine to convert dissolved iron and manganese to their particulate forms, which can then be removed through a filtration process to further purify your water.

As part of a multi-barrier approach to ensuring safe drinking water, chlorine treatment is the critical second line of defense after our award-winning source water protection program that minimizes the potential for contamination of our wells from surrounding land uses.

How Are These Sources Protected?

MassDEP has prepared a Source Water Assessment Program (SWAP) Report for the water supply sources serving this water system. The SWAP Report assesses the susceptibility of public water supplies.

What is My System's Ranking?

A susceptibility ranking of high was assigned to this system using the information collected during the assessment by MassDEP. Susceptibility is a measure of water supply's potential to become contaminated due to land uses and activities within its recharge area. The growth of industrial, commercial and residential development in Littleton is the main cause for this ranking. As stated in the sidebar, we have a comprehensive source water protection program and are continuously monitoring contaminant levels, disinfecting, filtering, or treating water to ensure LWD water sources meet safe drinking water standards.

Where Can I See The SWAP Report?

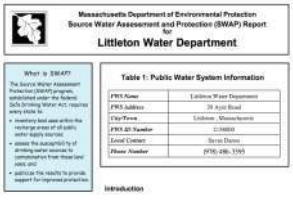

Massachusetts Department of Environmental Protection
Source Water Assessment and Protection (SWAP) Report
for
Littleton Water Department

Table 1: Public Water System Information

Introduction

The complete SWAP report is available at the Littleton Water Department and online at: mass.gov/doc/littleton-water-department-swap-report/download

For more information, call Joshua Walsh at (978) 540-2283.

Important Definitions

Maximum Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination.

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Modified Reporting Limit (MRL) – The final reporting limit that applies to the sample once all sample preparation and/or dilution factor has been applied.

90TH Percentile - Out of every 10 homes sampled, 9 were at or below this level. This number is compared to the action level to determine lead and copper compliance.

Secondary Maximum Contaminant Level (SMCL) – These standards are developed to protect aesthetic qualities of drinking water and are not health based.

Health Advisory (HA) - Health advisories provide information on contaminants that can cause human health effects and are known or anticipated to occur in drinking water. EPA's health advisories are non-enforceable and non-regulatory and provide technical information to states agencies and other public health officials on health effects, analytical methodologies, and treatment technologies associated with drinking water contamination.

Substances Found in Tap Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.

Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.

Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the U. S. Environmental Protection Agency (EPA) and MassDEP prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) and Massachusetts Department of Public Health (DPH) regulations establish limits for contaminants in bottled water that must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. LWD is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Important Definitions
(continued)

Office of Research and Standards Guideline (ORSG) - This is the concentration of a chemical in drinking water at or below which adverse health effects are unlikely to occur after chronic (lifetime) exposure. If exceeded, it serves as an indicator of the potential need for further action.

ppm = parts per million or milligrams per liter (mg/L)
ppb = parts per billion or micrograms per liter (ug/L)
ppt = parts per trillion or nanograms per liter (ng/L)
pCi/l = picocuries per liter (a measure of radioactivity)
mrem/year = millirems per year (a measure of radiation absorbed by the body)
N/A = Not Applicable

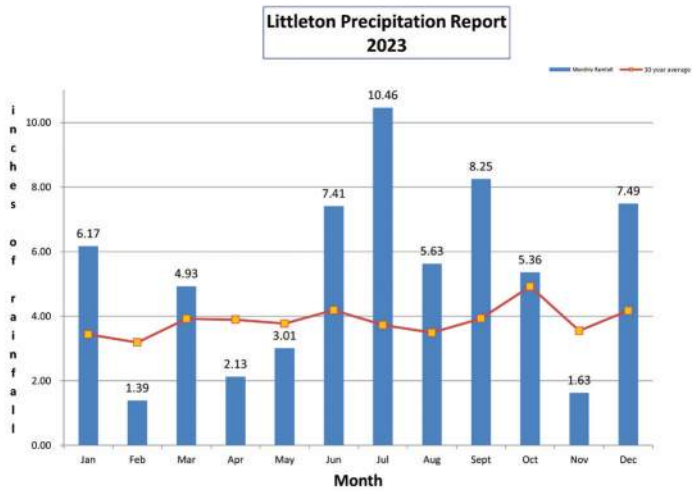
What Is a Cross Connection? What Can I Do about It?

A cross connection is an actual or potential connection between a drinking water pipe and a polluted source. The pollution can come from your own home. For instance, a lawn fertilizer sprayer connected to a hose can cause fertilizer to be pulled into the home's water pipes and into the water system if the pressure suddenly drops, which could happen with the use of a fire hydrant. Using a backflow prevention device can prevent this problem.

LWD recommends the installation of backflow prevention devices, such as a low cost hose bib vacuum breaker, for all inside and outside hose connections. They are available at hardware or plumbing supply stores. This is a great way for you to help protect the water in your home as well as the drinking water system in your town.

For additional information on cross connections and on the status of your water system's cross connection program, please contact Matt Silverman at 978-540-2260.

Water Conservation



As of June 25, 2020, all non-essential outdoor watering was prohibited to conserve water due to a reduction in available supply from the Spectacle Pond well site and a Level 1 Drought declaration by the state. The ban continued into 2023 due to PFAS contamination limiting withdrawal from the Spectacle Pond Well. The ban was lifted later in 2023 after the Whitcomb Ave Treatment Plant became fully operational. Please visit www.lelwd.com/water-ban-in-effect/ to view further details related to the outdoor watering ban, and enroll in our Community Notification System at https://public.coderedweb.com/CNE/en-US/458D14D27696 to ensure you receive the latest information on water use restrictions, water main breaks, power outages, and other emergency situations.

Despite the ban being lifted, we ask that all residents apply sound conservation practices throughout the season to help us preserve the groundwater table. If the groundwater conditions change or a drought advisory must be declared, certain water uses, including outdoor watering, could become restricted.

Please do your part by following outdoor water conservation tips:

- **Lawn care** – Allow your grass to grow taller in hot, dry weather. Longer grass means less evaporation and will encourage roots to grow deeper leaving your lawn more drought-tolerant.
- **Lawn watering –** Daytime watering is costly and wasteful. Water in the early morning or evening when evaporation rates are lowest. One inch of water per week is all that is generally necessary to maintain your lawn. Avoid over-watering by using a rain gauge or coffee can to measure the volume of water being applied. As a general rule, lawns only need watering every five to seven days in the summer. A hearty rain eliminates the need for watering for as long as two weeks.
- **Car washing** – Use a bucket to wash. Keep a nozzle on your hose. Do not let water run when not in use.
- **Pool** – Use a pool cover to keep water clean and reduce evaporation.
- **General Maintenance** – Use a broom instead of a water hose to clear debris from patios, driveways, and sidewalks.
- **Landscaping** – Plant trees to provide shade; decrease lawn area; use drought-resistant shrubs; increase areas of ground cover; spread mulch.
- **Valves and hoses** – Check outdoor pipes, hoses, and faucets for leaks.

What Does This Data Represent?

The water quality information presented in the tables is from the most recent round of testing done in accordance with the regulations. All data shown was collected during the last calendar year unless otherwise noted in the tables. MassDEP has reduced the monitoring requirements for asbestos, inorganic contaminants, synthetic organic contaminants, nitrite, and radionuclides because the source is not at risk of contamination. Only the detected contaminants are shown.

Water Quality Testing Results

Regulated Contaminant	Dates Collected	90th Percentile	Action Level	MCLG	# of Sites Sampled	# of Sites Above Action Level	Possible Sources of Contamination
Lead (ppb)	2023	2.4	15	0	40	2	Corrosion of household plumbing systems.
Copper (ppm)	2023	0.47	1.3	1.3	40	0	Corrosion of household plumbing systems.

Regulated Contaminant	Dates Collected	Highest Result or Running AVG Detected	Range Detected	MCL or MRDL	MCLG or MRDLG	Violation (Y/N)	Possible Sources of Contamination
Inorganic Contaminants							
Arsenic (ppb)	2023	1	N/A	10	0	N	Erosion of natural deposits.
Barium (ppm)	2023	0.0353	0.0254 - 0.0353	2	2	N	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits.
Nitrate (ppm)	2023	0.86	0.79 - 0.86	10	10	N	Runoff from fertilizer use, leaching from septic tanks; sewage; erosion of natural deposits.
Volatile Organic Contaminants							
Tetrachloroethylene (ppb)	2023	0.9	0.18 - 0.9	5	0	N	Discharge from factories, dry cleaners, and asbestos cement lined pipes.
Ethylbenzene (ppb)	2023	1	N/A	700	700	N	Discharge from industrial chemical factories.
Xylenes (ppb)	2023	6.3	N/A	10,000	10,000	N	Discharge from petroleum factories; discharge from chemical factories.
Radioactive Contaminants							
Gross Alpha (pCi/L)	2022*	2.3	N/A	15	0	N	Erosion of natural deposits.
Radium 226 and 228 (pCi/L) (combined values)	2022*	0.5	N/A	5	0	N	Erosion of natural deposits.
Disinfectants and Disinfection By-Products							
Total Trihalomethanes (TTHMs) (ppb)	2023	32	N/A	80	----	N	Byproduct of drinking water chlorination.
Haloacetic Acids (HAA5) (ppb)	2023	3.9	N/A	60	----	N	Byproduct of drinking water chlorination.
Chlorine (ppm) (free)[1]	Monthly in 2023	0.18**	0.01 - 1.35	4	4	N	Water additive used to control microbes.
Per- and Polyfluoroalkyl Substances							
PFAS6 (ppt)[2]	2023	16.13**	2.48-21***	20	20	N	Discharges and emissions from industrial and manufacturing sources associated with the production or use of these PFAS, including production of moisture and oil resistant coatings on fabrics and other materials. Additional sources include the use and disposal of products containing these PFAS, such as fire-fighting foams.

* Most of the data in this table is from testing done between January 1 - December 31, 2023. We monitor some contaminants less than once per year, because the concentrations for those contaminants are not expected to vary significantly from year to year. As a result, some of our data, though representative, is more than a year old. For those contaminants, the date of the last sample is shown in the table.

** Highest Running Annual Average (RAA) = highest running average of four consecutive quarters of data.

*** Only values that exceed MRL (Modified Reporting Limit) are included in detection result or range. This does not include values with J Qualifiers from lab reports as these values are estimated.

[1] Chlorine: Part of these may be unregulated, part regulated.

[2] PFAS6 (ppt): This value represents the sum of the six PFAS compounds included in the Massachusetts Maximum Contaminant Level of 20 ppt. The MMCL includes Perfluorooctane Sulfonic Acid (PFOS), Perfluorooctanoic Acid (PFOA), Perfluorohexane Sulfonic Acid (PFHxS), Perfluorononanoic Acid (PFNA), Perfluoroheptanoic Acid (PFHpA), and Perfluorodecanoic Acid (PFDA).

Unregulated contaminants are those for which the EPA has not established drinking water standards. The purpose of unregulated monitoring is to assist the EPA in determining their occurrence in drinking water and whether future regulation is warranted.

Unregulated and Secondary Contaminants	Dates Collected	Results or Range Detected	Average Detected	SMCL	ORSG	Possible Sources of Contamination
Per- and Poly Fluoroalkyl Substances						
Perfluorobutanesulfonic Acid (PFBS)(375-73-5) (ppt)	2023	2.09 - 3.19***	2.47	------	N/A[3]	Manmade chemical used in the manufacture of paints, cleaning agents and water and stain repellent products and coatings.
Perfluorohexanoic Acid (PFHxA) (307-24-4) (ppt)	2023	2.44 - 4.56***	3.32	------	N/A[3]	Breakdown product of stain and grease proof coatings on food packaging.
Inorganic Contaminants						
Sodium (ppm)[4]	2023	53.2 - 60.8	57	-----	10	Discharge from the use of improper storage of sodium-containing de-icing compounds or water softening agents.
Nickel (ppb)	2023	1	1	------	100	Discharge from domestic wastewater, landfills, and mining and smelting operations.
Other Organic Contaminants - When Detected at Treatment Plant as VOC residuals, Not TTHM Compliance						
Bromodichloromethane (ppb)	2023	1.5 - 6.8	3.58	------	N/A[3]	Trihalomethane; byproduct of drinking water chlorination.
Bromoform (ppb)	2023	0.6 - 0.7	0.65	------	N/A[3]	Trihalomethane; byproduct of drinking water chlorination.
Chlorodibromomethane (ppb)	2023	1.3 - 5.1	2.86	------	N/A[3]	Trihalomethane; byproduct of drinking water chlorination.
Chloroform (ppb)	2023	0.6 - 6	2.85	------	70	Trihalomethane; byproduct of drinking water chlorination.
Secondary Contaminants						
Iron (ppb)	2023	150 - 169	159.5	300	-----	Naturally occurring.
Manganese**** (ppb)	2023	10 - 161	96.5	50	Health Advisory of 300 ppb	Erosion of natural deposits.
Radioactive Contaminants						
Radon (pCi/L)	2018*	975	N/A	----	10,000	Natural sources.

**** Drinking water may naturally have manganese and, when concentrations are greater than 50 ppb, the water may be discolored and taste bad. Over a lifetime, the EPA recommends that people drink water with manganese levels less than 300 ppb, and over the short term, the EPA recommends that people limit their consumption of water with levels over 1000 ppb, primarily due to concerns about possible neurological effects. Children younger than one years old should not be given water with manganese concentrations over 300 ppb, nor should formula for infants be made with that water for more than a total of ten days throughout the year.

[3] There is no ORS Guideline.

[4] Sodium sensitive individuals, such as those experiencing hypertension, kidney failure, or congestive heart failure, should be aware of the sodium levels where exposures are being carefully controlled.

Tier 3 Notice of Violation: Lead and Copper Rule Spring 2023

The Littleton Water Department (PWS ID# 2158000) is required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During the Spring 2023 monitoring period, we did not complete all monitoring or testing for lead and copper and therefore cannot be sure of the quality of your drinking water during that time.

As per the Lead and Copper Rule (LCR) requirements, 40 customer samples must be collected from houses that meet specified criteria and are listed on the applicable MassDEP LCR sample site list. The criteria exclude homes with a water treatment system, as these systems could alter the lead and copper levels in the water. During the Spring 2023 monitoring period, 40 samples were collected; however, one of the houses contained a water treatment system that was bypassed while taking the sample. Although the system was bypassed during sampling, the house was invalidated by LCR sampling requirements, and consequently, only 39 of the 40 required samples were reported.

Lead and copper levels for the Spring 2023 monitoring period are listed in the table below. No actions or alternative water sources are needed in response to this violation, as it has been resolved with additional sampling conducted in July 2023. LELWD re-entered compliance upon completing the required 40 customer samples for the Fall 2023 monitoring period. Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

For more information about this notice:

Joshua Walsh | 39 Ayer Road, Littleton, MA, 01460 | (979) 540-2283 | jwalsh@lelwd.com

Regulated Contaminant	Dates Collected	90th Percentile	Action Level	Potential Adverse Health Effects
Lead (ppb)	Spring 2023	4.96	15	Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.
Copper (ppm)	Spring 2023	0.47	1.3	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Coliform Bacteria Level 1 Assessment

In August 2023, the Littleton Water Department (PWSID #2158000) was required to conduct one Level 1 assessment due to multiple total coliform detections at 80 Central Street in Boxborough and its upstream and downstream locations. **A Level 1 Assessment** is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria has been found in a water system. E. Coli was not detected in the distribution system.

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliforms indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessment(s) to identify any problems that were found during these assessments.

During the past year, LELWD was required to conduct one Level 1 assessment. One Level 1 assessment was completed. In addition, we were required to take one corrective action, chlorinating the nearby Newtown Hill Storage Tank. This action was completed soon after the assessment began. The detections were likely caused by low chlorine residuals due to a lack of water main flushing and stagnant water in the main, as the property at 80 Central Street is located at the end of the distribution system. The issue was resolved by increasing tank chlorination frequencies, prioritizing flushing in that area of the distribution system, and beginning the operation of the new Whitcomb Ave Treatment Plant, which increased chlorine levels across the system.

Project Updates

PFAS Free: The Whitcomb Ave Treatment Plant Comes Online!

In 2023, the newly constructed Whitcomb Ave Water Treatment Plant began treating water from the Whitcomb Ave Wells and PFAS-contaminated Spectacle Pond Well, producing treated PFAS-free drinking water. The plant is equipped with biological filters to treat iron and manganese. Other contaminants like heavy metals and volatile organic compounds are also treated here.

The activated carbon filters strip PFAS molecules from the water. Additionally, organic matter is removed by these filters, increasing the chlorine residual strength and duration in the system. Prior to the full activation of the treatment plant, treated water contained detectable levels of PFAS6. Now, with the new activated carbon filters in operation, monthly PFAS6 concentrations leaving the treatment plant have decreased to non-detectable levels, reaffirming LELWD's commitment to providing safe drinking water to the residents of Littleton.

Get The Lead Out: Service Line Inventory Inspections

As per the newly proposed 2023 Lead and Copper Rule Improvements, public water systems nationwide are required to inventory each service connection within their distribution areas. These inventories will contain information on sizes and material types for each service on the "public side" and the "private side" of a connection. This effort ensures the identification and subsequent removal of any services that may contribute to increased lead concentrations in drinking water, thereby safeguarding public safety.

At LELWD, prioritizing public health and regulatory compliance is of utmost importance. Therefore, we kindly request your assistance in identifying your service line material. LELWD provides guidance on locating and inspecting service lines at www.lelwd.com/leadsurvey, and the inspection form is accessible through the QR code on the right.

SURVEY

LITTLETON
LWD
WATER DEPARTMENT
39 Ayer Road • Littleton, MA, 01460

Postal Patron or Boxholder
Littleton, MA 01460