



# THE HAMPSTEAD AREA WATER COMPANY, INC.

## 2025 ANNUAL WATER QUALITY REPORT ISSUED IN 2026

Fairfield Estates– PWS ID 2082020

The Hampstead Area Water Company is committed to providing its customers with water that far exceeds all drinking water standards. We are pleased to report that our drinking water is safe and meets all federal and state requirements. Today's consumers are keenly aware of environmental and health issues. This Water Quality Report is designed to keep you as the customer informed so that you will be able to make educated decisions for you and your family. This report contains results from our most recent year's testing, details about your water source, how it is treated, what we are doing to protect it, and how it compares to standards set by regulatory agencies.

### The sources of drinking water:

Both tap water and bottled water come from 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. The water can also pick up and transport substances resulting from the presence of animals or from human activity.



### Contaminants that may be present in source water include:

- Contaminant, any physical, chemical, biological, or radiological substance or matter in water.
- 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 occur naturally in the soil or groundwater or may result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides, generally, any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest.
- Herbicides, any chemical(s) used to control undesirable vegetation.
- **Organic chemical contaminants**, including per- and polyfluoroalkyl substances, synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water 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, EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The US Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

## CONTAMINANTS THAT MAY BE PRESENT IN SOURCE WATER INCLUDE (CONTINUED):

### ➤ Health Effects of Lead

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney or nervous system problems.

### ➤ Lead In Schools

Per RSA 485:17-a, all NH schools and licensed child care facilities must test for lead at all drinking water outlets where children can drink the water and to remediate any outlets testing at or above 5 ppb. Three rounds of testing at least 6 months apart are required. A comprehensive list of facilities and results are available at [www.gettheleadoutnh.org](http://www.gettheleadoutnh.org) or direct link here: [View Results | NH Department of Environmental Services](#).



### ➤ Lead

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water is primarily from materials and parts used in service lines and in home plumbing. This water system is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time.

You can help protect yourself and your family by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Using a filter, certified by an American National Standards Institute accredited certifier to reduce lead, is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water does not remove lead from water. Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period.

If you are concerned about lead in your water and wish to have your water tested, contact The Hampstead Area Water Company at: (603) 362-4299. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

## WHAT IS THE SOURCE OF MY WATER?

Fairfield Estates obtains its water from two bedrock wells that are equipped with a submersible pump. The water flows into a pump house located within the Fairfield Estates community. The water then flows to a 12,000-gallon storage tank and is then distributed to the existing homes.



## WHY ARE CONTAMINANTS IN MY WATER?

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 Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

## DO I NEED TO TAKE SPECIAL PRECAUTIONS?

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/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 at 1-800-426-4791.

## HOW CAN I GET INVOLVED?

For more information about your drinking water, please call The Hampstead Area Water Company at: (603) 362-4299 Monday through Friday 8:00am - 4:30pm. Although we do not have specific dates for public participation events or meetings, feel free to contact us with any questions you may have.

## LEAD SERVICE LINE INVENTORY

In accordance with EPA guidelines, The Hampstead Area Water Company has prepared a complete service line inventory. To access the inventory, please reach the office at: (603) 362-4299 Monday through Friday 8:00am - 4:30pm.

### Source Assessment

| Source | Date      | Low | Med | High |
|--------|-----------|-----|-----|------|
| BRW1   | 7/17/2000 | 10  | 1   | 1    |
| BRW2   | N/A       | N/A | N/A | N/A  |

Note: Due to the time when the assessments were completed, some of the ratings might be different if updated to reflect current information.

The complete Assessment Report is available for review at The Hampstead Area Water Company. For more information, call 603-362-4299 or visit the [NHDES website](#).

# DEFINITIONS AND ABBREVIATIONS

## Abbreviations

BDL: Below Detection Limit

mg/L: milligrams per Liter

NA: Not Applicable

ND: Not Detectable at testing limits

NTU: Nephelometric Turbidity Unit

pCi/L: picoCurie per Liter

ppb: parts per billion

ppm: parts per million

ppt: parts per trillion

RAA: Running Annual Average

TTHM: Total Trihalomethanes

UCMR: Unregulated Contaminant Monitoring Rule

ug/L: micrograms per Liter

## Maximum Contaminant Level or 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 or 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 or 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 or 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 contaminants.

## Treatment Technique or TT:

A required process intended to reduce the level of a contaminant in drinking water.

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

**Level I Assessment:** A study of the water system to identify potential problems and determine, if possible, why total coliform bacteria have been found in our water system

**Level II Assessment:** A very detailed study of the water system to identify potential problems and determine, if possible, why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

## Violations and Other information:

See violations if any listed in the table below in the Data Report.

# FAIRFIELD ESTATES

## PWS ID 2082020

### 2026 REPORT (2025 DATA)

#### LEAD AND COPPER)

| Contaminant (units) | Action Level | 90 <sup>th</sup> Percentile Value | Range of tap sampling results | Date | # of sites above AL | Exceedance Yes/No | Likely Source of Contamination   | Heath Effects of Contaminant   |
|---------------------|--------------|-----------------------------------|-------------------------------|------|---------------------|-------------------|--|--|
| Copper (ppm)        | 1.3          | 0.748                             | .301 - .719                   | 2023 | 0                   | No                | Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives | 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.  |
| Lead (ppb)          | 15           | 3                                 | ND - 3                        | 2023 | 0                   | No                | Corrosion of household plumbing systems, erosion of natural deposits                                   | Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. Flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800) 426-4791. |

## ASSESSMENTS

| During the past year we were required to conduct Assessment(s) | Number of assessments required in the reporting year | Number of assessments completed in a reporting year | Number of corrective actions required | Number of corrective actions completed | Coliforms are bacteria that occur naturally 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 problems and to correct any problems that were found during these assessments. |
|--|--|---|---------------------------------------|--|---|
| Level 1  | 1  | 1   | 1                                     | 1                                      | .In 2025, a routine sample was total coliform-positive, which triggered a Level 1 assessment under the Revised Total Coliform Rule. The assessment was completed on 8/29/25. system conditions and sampling procedures were evaluated and no sanitary defects requiring corrective action were identified. Subsequent samples showed no positive coliform detections.   |
| Level 1  | 1  | 1   | 1                                     | 1                                      |   |
|  |  |   |                                       |  |   |

## INORGANIC CONTAMINANTS

| Contaminant (units) | Level Detected | Range         | MCL | MCLG | Violation Yes/No | Year | Likely Source of Contamination  | Heath Effects of Contaminant   |
|---------------------|----------------|---------------|-----|------|------------------|------|---|--|
| Barium (ppm)        | 0.0095 average | 0.008 - 0.011 | 2   | 2    | No               | 2025 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits            | Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.   |
| Chromium (ppb)      | 6              | N/A           | 100 | 100  | No               | 2025 | Discharge from steel and pulp mills; erosion of natural deposits                                      | Some people who use water containing chromium well in excess of the MCL over many years could experience allergic dermatitis.  |
| Arsenic (ppb)       | 0.5 average    | ND- 1         | 5   | 0    | No               | 2025 | Erosion of natural deposits; runoff from orchards; runoff from glass and electronic production wastes | (2.5 ppb through 5 ppb) While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.<br>(Above 5 ppb) Some people who drink water containing arsenic in excess of the MCL over many years could experience skin damage or problems with circulatory system and may have increased risk of getting cancer. |

## RADIOACTIVE CONTAMINANTS

| Contaminant (units)               | Level Detected | Range    | MCL | MCLG | Violation Yes/No | Year | Likely Source of Contamination | Heath Effects of Contaminant  |
|-----------------------------------|----------------|----------|-----|------|------------------|------|--------------------------------|---|
| Compliance Gross Alpha (pCi/L)    | 1.5 average    | ND - 2.4 | 15  | 0    | No               | 2025 | Erosion of natural deposits    | Certain minerals are radioactive and may emit a form of radiation know as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer. |
| Combined Radium 226 + 228 (pCi/L) | 0.4            | ND - 1.3 | 5   | 0    | No               | 2020 | Erosion of natural deposits    | Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.   |
| Uranium (ug/L)                    | 5.8            | 5-7      | 30  | 0    | No               | 2025 | Erosion of natural deposits    | Some people who drink water containing uranium in excess of the MCL over many years may have an increased risk of getting cancer and kidney toxicity  |

## SECONDARY CONTAMINANTS

| Secondary MCLs (SMCL) | Level Detected | Date | Treatment technique (if any) | SMCL      | 50 % AGQS (Ambient groundwater quality standard) | AGQS (Ambient groundwater quality standard) | Specific contaminant criteria and reason for monitoring  |
|-----------------------|----------------|------|------------------------------|-----------|--|---|--|
| Iron (ppm)            | 0.113 average  | 2025 | N/A                          | 0.3       | N/A  | N/A   | Geological   |
| Sodium (ppm)          | 24.4           | 2025 | N/A                          | 100-250   | N/A  | N/A   | We are required to sample for sodium   |
| Zinc (ppm)            | 0.017 average  | 2025 | N/A                          | 5         | N/A  | N/A   | Galvanized pipes   |
| Chloride (ppm)        | 47 average     | 2025 | N/A                          | 250       | N/A  | N/A   | Wastewater, road salt, water softeners, corrosion  |
| Fluoride (ppm)        | 0.275 average  | 2025 | N/A                          | 2         | 2  | 4   | Drinking water containing more than 4 mg/l of fluoride (the U.S. Environmental Protection Agency's drinking water standard) can increase your risk of developing bone disease. |
| PH (ppm)              | 6.95 average   | 2025 | N/A                          | 6.5 - 8.5 | N/A  | N/A   | Precipitation and geology  |
| Sulfate (ppm)         | 10.1 average   | 2025 | N/A                          | 250       | 250  | 500   | Naturally occurring  |

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|-----------------------|----------------|------|------------------------------|------|--|---|--|
| Manganese (ppm)       | 0.11           | 2025 | N/A                          | 0.05 | 0.15   | 0.3   | Geological   |
| Nickel (ppm)          | .002           | 2025 | N/A                          | N/A  | 0.05   | 0.1   | Geological, electroplating, battery production, ceramics |