

# 2024 WATER QUALITY REPORT FOR NEW HAMPTON WATER SUPPLY

This report contains important information regarding the water quality in our water system. The source of our water is groundwater. Our water quality testing shows the following results:

| CONTAMINANT                        | MCL - (MCLG)         | Compliance |                        | Date       | Violation<br>Yes/No | Source                                                                                                                    |
|------------------------------------|----------------------|------------|------------------------|------------|---------------------|---------------------------------------------------------------------------------------------------------------------------|
|                                    |                      | Type       | Value & (Range)        |            |                     |                                                                                                                           |
| Total Trihalomethanes (ppb) [TTHM] | 80 (N/A)             | LRAA       | 7.00 (7 - 7)           | 09/30/2024 | No                  | By-products of drinking water chlorination                                                                                |
| Copper (ppm)                       | AL=1.3 (1.3)         | 90th       | 0.567 (0.0179 - 0.656) | 2023       | No                  | Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives                    |
| Lead (ppb)                         | AL=15 (0)            | 90th       | 1.20 (ND - 10)         | 2023       | No                  | Corrosion of household plumbing systems; erosion of natural deposits                                                      |
| 950 - DISTRIBUTION SYSTEM          |                      |            |                        |            |                     |                                                                                                                           |
| Chlorine (ppm)                     | MRDL=4.0 (MRDLG=4.0) | RAA        | 1.3 (0.1 - 2.19)       | 03/31/2024 | No                  | Water additive used to control microbes                                                                                   |
| 01 - FINISHED WATER AT #5 SINK, #5 |                      |            |                        |            |                     |                                                                                                                           |
| Combined Radium (pCi/L)            | 5 (0)                | SGL        | 3                      | 07/18/2022 | No                  | Erosion of natural deposits                                                                                               |
| Barium (ppm)                       | 2 (2)                | SGL        | 0.06                   | 04/26/2022 | No                  | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits                                |
| Fluoride (ppm)                     | 4 (4)                | SGL        | 0.43                   | 04/26/2022 | No                  | Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories |
| Sodium (ppm)                       | N/A (N/A)            | SGL        | 6.1                    | 04/26/2022 | No                  | Erosion of natural deposits; Added to water during treatment process                                                      |
| 02 - FINISHED WATER AT #6 SINK, #6 |                      |            |                        |            |                     |                                                                                                                           |
| Barium (ppm)                       | 2 (2)                | SGL        | 0.06                   | 04/26/2022 | No                  | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits                                |
| Fluoride (ppm)                     | 4 (4)                | SGL        | 0.46                   | 04/26/2022 | No                  | Water additive which promotes strong teeth; Erosion of natural deposits; Discharge from fertilizer and aluminum factories |
| Sodium (ppm)                       | N/A (N/A)            | SGL        | 5.9                    | 04/26/2022 | No                  | Erosion of natural deposits; Added to water during treatment process                                                      |

Note: Contaminants with dates indicate results from the most recent testing done in accordance with regulations.

## 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.
- ppb -- parts per billion.
- ppm -- parts per million.
- pCi/L – picocuries per liter
- N/A – Not applicable
- ND -- Not detected

- RAA – Running Annual Average
- Treatment Technique (TT) – A required process intended to reduce the level of a contaminant in drinking water.
- Action Level (AL) – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- 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 contaminants.
- 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.
- SGL – Single Sample Result
- RTCR – Revised Total Coliform Rule
- NTU – Nephelometric Turbidity Units

## GENERAL INFORMATION

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 posed a health risk. More information about contaminants or potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (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/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 (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. NEW HAMPTON WATER SUPPLY 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>.

Our water supply has completed a service line inventory. Please contact us for information regarding the inventory and how you can access the results.

## SOURCE WATER ASSESSMENT INFORMATION

This water supply obtains its water from the sandstone and dolomite of the Cambrian-Ordovician aquifer. The Cambrian-Ordovician aquifer was determined to have low susceptibility to contamination because the characteristics of the aquifer and overlying materials provide natural protection from contaminants at the land surface. The Cambrian-Ordovician wells will have low susceptibility to surface contaminants such as leaking underground storage tanks, contaminant spills, and excess fertilizer application. A detailed evaluation of your source water was completed by the Iowa Department of Natural Resources, and is available from the Water Operator at 641-394-6654.

## CONTACT INFORMATION

For questions regarding this information or how you can get involved in decisions regarding the water system, please contact NEW HAMPTON WATER SUPPLY at 641-394-6654.



# CCR Certification Form

For Systems with mailing waivers

## NEW HAMPTON WATER SUPPLY

PWSID: 1970051

The community water system indicated above hereby confirms that the Consumer Confidence Report (CCR) has been distributed to customers (and appropriate notices of availability have been given) and that the information is correct and consistent with the compliance monitoring data previously submitted to IDNR by your certified laboratory.

System-specific details on requirements of CCR distribution to customer are outlined below.

• **Systems electing to distribute the CCR by direct delivery.**

This can be accomplished by mail, electronic delivery, or other form of direct delivery. Provide the date of distribution and delivery method in the space below. Refer to the following website for electronic delivery options: <https://www.epa.gov/ccr/how-water-utilities-can-electronically-delivery-their-ccr>. Provide URL if distributed electronically.

• **Systems electing not to distribute the CCR by direct delivery must complete all of the following.**

Systems serving between 501 and 10,000 persons must:

1. Publish the CCR in the local newspaper(s). Attach a copy of the notice. List newspaper and dates below:
2. Inform customers the CCR will not be mailed. List methods and date of notification below:
3. Develop procedures to make reports available upon request. Specify below:

Systems serving fewer than or equal to 500 persons must:

Inform customers the CCR is available upon request and will not be mailed. List methods used and date completed below:

Certified by:

Name Dennis Marvin  
Title Water Sup  
Phone # 641-394-4894 Date of Delivery \_\_\_\_\_

Return to:

ATTN: Ryan Young  
Iowa DNR Water Supply Operations Section  
6200 Park Ave STE 200  
Des Moines, IA 50321