

## **Annual Drinking Water Quality Report for 2021**

**Fox Meadows Mobile Home Park**

**1589 County Route 8**

**Public Water Supply ID # NY3700920**

### **INTRODUCTION**

To comply with State and Federal regulations, Fox Meadows HP will be issuing an annual report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water awareness and the need to protect our drinking water sources. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Brain Dooley, the owner and water operator at (585)924-1934. We want you to be informed about your drinking water, and we will be available to discuss any drinking water issues in person.

### **WHERE DOES OUR WATER COME FROM?**

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the New York State Department of Health (NYS DOH) and the Environmental Protection Agency (EPA) prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The NYS DOH and the Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

### **FACTS AND FIGURES:**

Our water system serves approximately 150 people through 63 connections. The park's water source consists of two drilled wells. Each well is approximately 40 feet deep, and is located within the boundaries of the mobile home park. Well #1 is located in the woods behind the pole barn and well #2 is located near the mailboxes. Well #3 is an abandoned well and is located near the front of the property adjacent to County Route 8. On 3/5/21 Fox Meadows water disinfection waiver was rescinded and on 10-01-21 a new water disinfection system (chlorinator) was installed in the pumphouse.

### **SOURCE WATER ASSESSMENT:**

The NYS DOH has completed a source water assessment for this system. Possible and actual threats to this drinking water source were evaluated by reviewing limited existing mapped data and available information from past sanitary surveys. The state source water assessment provides a susceptibility rating based on the potential risk posed by each possible source of contamination and how easily contaminants could move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessment was completed to provide owners and operators with additional information to help them protect your source waters into the future.

As mentioned above, our water is derived from three drilled wells that draw from fractured bedrock. It is unknown if a dense protective layer exists above the aquifer. This would provide additional protection from possible contaminants. The source water assessment rated our system as having a high susceptibility to microbial contaminants, petroleum products, volatile organics and solvents and a medium-high susceptibility to herbicides/pesticides, metals & nitrates largely due to the locations of on-site septic systems & nearby land use activities. No other significant sources of possible contamination were identified.

Please note that the finished water delivered into your home meets the New York State's drinking water standards.

County and State Health Departments will use this risk assessment information to direct future source water protection activities. These may include water quality monitoring, wellhead protection, resource management, planning, and education programs. A copy of the assessment can be obtained by contacting us, as noted below.

### **ARE THERE CONTAMINANTS IN OUR DRINKING WATER?**

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, halo acetic acids, radiological and synthetic organic compounds. In 2021, Fox Meadows began sampling for the newly emerging chemical contaminants: PFOA, PFOS & 1,4 Dioxane. The table presented below depicts which compounds were detected in your drinking water. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

It should be noted that all drinking water, including bottled drinking water, may be reasonably 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 (800-426-4791) or the Oswego County Health Department at (315) 349-3564.

# Table Of Detected Compounds

Contaminant	Violation (Yes/No)	Date of Sample	Lv. Detected(Avg/Max Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
<b>Microbiological Contaminants</b>							
Total Coliform Bacteria	No	1/22/2021	Pos	N/A	0	AL = 2 or more positive samples	Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.
	Yes	1/25/2021	Pos				
	Yes	1/25/2021	Pos				
	No	9/12/2021	Pos				
	Yes	9/14/2021	Pos				
	Yes	9/14/2021	Pos				
	Yes	9/14/2021	Pos				
E. Coli	No	1/22/2021	Neg	N/A	0	AL = any positive sample	E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children and people with severely compromised immune systems.
	No	1/25/2021	Neg				
	No	1/25/2021	Neg				
	No	9/12/2021	Neg				
	No	9/14/2021	Neg				
	No	9/14/2021	Neg				
	No	9/14/2021	Neg				
<b>Inorganic Contaminants</b>							
Barium	No	09/13/21	0.36	mg/L	2mg/L	2mg/L	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Copper <sup>^1</sup>	No	09/24/14	0.05	mg/L	1.3 mg/L	AL = 1.3 mg/L	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Lead <sup>^1</sup>	No	09/24/14	ND	ug/L	0	AL = 15 ug/L	Corrosion of household plumbing systems
Arsenic	No	09/13/21	0.002	ug/L	N/A	10 ug/L	Erosion of natural deposits; Runoff from orchards; Runoff from glass & electronics production wastes.
Nitrate (As Nitrogen)	No	01/22/21	0.1	mg/L	10 mg/L	10mg/L	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	No	9/7/2006	8.2	mg/L	N/A	2mg/L	Naturally occurring, road salt, water softener treatment, animal waste.

## Table Of Detected Compounds (Cont.)

Contaminant	Violation (Yes/No)	Date of Sample	Lv. Detected (Avg/Max Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
<b>Synthetic Organic Contaminants</b>							
1,4 Dioxane	No	6/16/2021	ND	ug/L	N/A	1.0 ug/L	Released into the environment from commercial & industrial sources. Hazardous waste sites.
	No	8/11/2021	ND	ug/L	N/A	1.0 ug/L	
PFOA	No	6/16/2021	ND	ug/L	N/A	0.01 ug/L	Widespread commercial & industrial sources
	No	8/11/2021	ND	ug/L	N/A	0.01 ug/L	
PFOS	No	6/16/2021	ND	ug/L	N/A	0.01 ug/L	Widespread commercial & industrial sources
	No	8/11/2021	ND	ug/L	N/A	0.01 ug/L	
<b>Disinfection By-Products</b>							
Total Trihalo-methanes (TTHM)	No	8/1/2018	4.1	ug/L	N/A	80ug/L	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.
Halo acetic Acids (HAA5)	No	8/1/2018	8	ug/L	N/A	60ug/L	By-product of drinking water disinfection
<b>Radioactive Contaminants</b>							
Radium 226	No	10/14/2013	0.12	pCi/L	0pCi/L	5pCi/L <sup>3</sup>	Erosion of natural deposits
Radium 228	No	10/14/2013	0.61	pCi/L	0pCi/L	5pCi/L <sup>3</sup>	Erosion of natural deposits
Gross Alpha	No	10/14/2013	0.01	pCi/L	0pCi/L	15pCi/L	Erosion of natural deposits
Gross Beta	No	10/14/2013	0.94	pCi/L	0pCi/L	50pCi/L <sup>5</sup>	Decay of natural deposits and man-made emissions

**Notes:**

- 1: Average of 2 samples.
- 2: Water containing more than 20 mg/L of sodium should not be used for drinking by persons on severely restricted sodium diets. Water containing more than 270 mg/L of sodium should not be used for drinking by people on moderately restricted sodium diets.
- 3: MCL is for combined Radium 226 & 228.
- 4: Gross alpha excludes Radon & Uranium.
- 5: The State considers 50 pCi/L to be the level of concern for beta particles.

**DEFINITIONS:**

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

**Maximum Contaminant Level** – The “Maximum Allowed” (MCL) is 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** – The “Goal” (MCLG) is 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.

**Non-Detects (ND or <number value)** – Laboratory analysis indicates that the tested compound is not present in the sample.

**Parts per million (ppm) or Milligrams per liter (mg/L)** – Corresponds to one part of liquid in one million parts of liquid (parts per million – ppm). Or one part per million corresponds to one minute in two years or a single penny in \$10,000.

**Parts per billion (ppb) or Micrograms per liter (ug/L)** – Corresponds to one part of liquid in one billion parts of liquid (parts per billion – ppb). Or one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

**Picocuries per liter (pCi/L)** – A measure of radioactivity in water.

#### **WHAT DOES THIS INFORMATION MEAN?**

As you can see by the table, our system tested positive for coliform bacteria during required monthly monitoring sampling on 1/22/21 and 9/12/21 Repeat samples collected during both instances also returned with positive results. On 1/27/21 & 9/15/21 Fox Meadows as placed on a Boil Water Notice, and violations were issued. The Boil Water Notices remained until two consecutive days of satisfactory bacteria results were obtained. On 3/5/21 Fox Meadows water disinfection waiver was rescinded and on 10-01-21 a new water disinfection system (chlorinator) was installed in the pumphouse.

#### **IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?**

We are 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. In 2001, all of our monthly water operation reports were sent in on time, resulting in no reporting violations for the year.

#### **DO I NEED TO TAKE PRECAUTIONS? IS OUR WATER SAFE FOR EVERYONE?**

Although our drinking water met or exceeded most State and Federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia, and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791). Please note that testing of the water at this system has shown that this water is suitable for drinking water purposes, and contains very low amounts of contaminants and should not pose any health risks.

#### **INFORMATION FOR NON-ENGLISH-SPEAKING RESIDENTS**

Spanish:

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

French:

Ce rapport contient des informations importantes sur votre eau potable. Traduisez le ou parlez en avec quelqu'un qui le comprend bien.

#### **WHY SAVE WATER AND HOW TO AVOID WASTING IT?**

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water:

- Saving water saves energy and some of the costs associated with both of these necessities of life;
- Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- Saving water lessens the strain on the water system during a dry spell or drought, helping to avoid severe water use restrictions so that essential fire fighting needs are met.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So, get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it up and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank, watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.

#### **CLOSING**

In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary to address improvements. We ask that all our customers help us protect our water sources, which are the heart of our community. Please review the attached water source protection, and water conservation tips sheet. Please call our office if you have questions.

