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Annual Drinking Water Quality Report for 2009
Meadows, Public Safety Building
and Central Kitchen
140 County Hwy 33W Cooperstown, New York 13326
(Public Water Supply ID3810482)

INTRODUCTION

To comply with State regulations Otsego County will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year your tap water met all State drinking water health standards. We are proud to report that our system has never violated a maximum contaminant level or any other water quality standard. For 2009 we conducted several tests for contaminants as per our schedule from Department of Health. This report provides an overview of previous and 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 Douglas A. Czerkies, Director of Building Services at (607) 547-6484. We want you to be informed about your drinking water. If you want to learn more, please visit the County's Web Site at www.otsegocounty.com or attend any of our regularly scheduled County Board Meetings or monthly Public Works Committee. Please contact Mrs. Laura Child, Clerk of the Board, at (607) 547- 4202 for all dates and times.

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 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; and organic chemical contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water system serves approximately 500 people. Our water source is two groundwater wells that are 200 + or – ft. Well #1 is located .3 of a mile west of the storage tank on the farm. Well #2 is located just outside the ambulance entrance of the Meadows. We pump from the wells on an alternating basis, an every other day schedule. We do not draw from surface or raw water source. The water is treated with chlorine before going into the storage tank and this process is monitored daily for correct levels. Along with the chlorine treatment we also treat the water for discoloration using a product named Seaquest. This product is also monitored daily and was started only after New York State Board of Health approval.

Potential sources of contamination for these wells would naturally include, but not be limited to: farming activities, erosion of natural deposits, soil and storm runoff. The well locations are constantly monitored for any activities that may contaminate them.

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, lead and copper, volatile organic compounds, total trihalomethanes and synthetic organic compounds. 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 repetitive, is more than one year old.

It should be noted that all drinking water, including bottle drinking water may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800) 426-4791 or the Oneonta (District Office) Health Department at (607) 432-3911.

RADON

Radon is a naturally-occurring radioactive gas found in soil and outdoor air that may also be found in drinking water and indoor air. Some people exposed to elevated radon levels over many years in drinking water may have an increased risk of getting cancer. The main risk is lung cancer from radon entering indoor air from under homes.

In 2008 we collected samples for two quarters that were analyzed for radon and the results from these tests are on the last page. For additional information call your state radon program (800-458-1158) or call EPA's Radon Hotline (800-SOS-Radon).

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below New York State requirements. In 2007 Nitrate was detected in our cycle for these contaminants. Although it was well below the maximum contaminant levels (MCL's), it still must be included in this report. Please refer to the table of detected contaminants for levels and possible sources.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2009 our system was in compliance with all applicable State drinking water operating, monitoring and reporting requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded 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.

EPA website

www.epa.gov/safewater/

**The Meadows/Otsego County Public Safety
Complex Water System NY3810482**

AWQR Summary

The NYS DOH has completed a source water assessment for this system based on available information. Possible and actual threats to the drinking water sources were evaluated. The State source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can 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. While nitrates (and other inorganic contaminants) were detected in our water, it should be noted that all drinking water, including bottled drinking water, might be reasonably expected to contain at least small amounts of some contaminants from natural sources. The presence of contaminants does not necessarily indicate that the water poses a health risk. The nitrate levels in our sources are not considered high in comparison with other sources in this area. See section “Are there contaminants in our drinking water?” for a list of the contaminants that have been detected.

As mentioned before, our water is derived from two drilled wells. The source water assessment has rated these wells as having a high/very high susceptibility to microbial, nitrates, industrial solvents and other industrial contaminants. These ratings are due primarily to the close proximity of permitted discharge facilities (Industrial/Commercial Facilities that discharge wastewater into the environment and are regulated by the State and/or Federal Government) – generally noted as SPDES or NPDES facilities, low intensity residential activities, pasture, manure pile(s) and fertilizer use/bulk storage facilities within the assessment area. In addition,

the wells draw from fractured bedrock and the overlying soils are not known to provide adequate protection from potential contamination.

While the source water assessment rates our wells as being susceptible to microbial, please note that our water is disinfected to ensure that the finished water delivered into your facility meets New York State's drinking water standards for microbial contamination.

A copy of the assessment including a map of the assessment area can be obtained visiting our website at www.otsegocounty.com or by contacting us as noted below.

Otsego County Building Services
197 Main Street
Cooperstown, NY
Attention: Douglas Czerkies
(607) 547 - 6484

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.
- **Action Level (AL)** – The concentration of a contaminant, which if exceeded, triggers treatment, or other requirements, which a water system must follow.
- **Treatment Technique (TT)** – A required process intended to reduce the level of a contaminant in drinking water.
- **Variations and Exemptions** – State or EPA permission not to meet an MCL or treatment technique under certain circumstances.
- **ppm** – parts per million or milligrams per liter (mg/l).
- **ppb** – parts per billion or micrograms per liter (mcg/l).
- **NTU** – Nephelometric Turbidity Units (a measure of turbidity).
- **pCi/l** – Picocuries per liter – A measure of the radioactivity in water.

Table of Detected Contaminants
The Meadows - 2009

Contaminant	Date of Sample	Level Detected (Avg/Max)	MCLG	Regulatory Unit (MCL,TT or AL)	Likely Source of Contamination
Dibromochloromethane	8/18/04	0.0027	N/A	.080 MCL	-Ocean Plants -Chlorine reaction with natural substances found in water
Bromodichloromethane	8/18/04	0.0014	N/A	0.080 MCL	-By product of drinking water disinfection
Bromoform	8/18/04	0.0034	0.10	0.10 MCL	- Chlorine re-action with natural substances found in water
Chloroform	8/18/04	0.00064	N/A	0.060 MCL	-By product of drinking water disinfection
Barium	9/4/07	0.13	2 MG/L	4 MCL	-Erosion of natural deposits, run off from orchards, run off from electronic product waste
Fluoride	9/4/07	0.174	4 MG/L	4 MCL	-Erosion of natural deposits, discharge from fertilizer and aluminum factories
Arsenic	9/4/07	0.006	N/A	0.05 MCL	-Erosion of natural deposits, run off from orchards, run off from electronic production waste
Sodium	6/15/04	23.4	N/A	N/A	-Erosion of natural deposits
Selenium	6/15/04	0.0013	50	.05 MCL	-Discharge from petroleum and metal refineries -Erosion of natural deposits -Discharge from mines
Sulfate	6/15/04	15.2	250 MG/L	250 MCL	-Naturally occurring
Lead 90th Percentile	9/4/07	0.0024	0	AL= 0.015 ppb	-Corrosion of household plumbing -Erosion of natural deposits
Copper 90th Percentile	9/4/07	0.246	0	AL=1.3 mg/l	-Corrosion of household plumbing systems -Erosion of natural deposits -Leaching from wood preservatives
Nitrate	9/4/07	0.1	10	10.0 MCL	-Run off from fertilizer - Leeching from septic - Erosion of natural deposits
Total THM	9/4/07	0.0231		0.0800 MCL	-Reaction with natural substances found in water
M-Pxylene	9/4/07	.001	N/A	5MCL	-Some people who drink water containing xylenes in excess of the MCL over many years could experience damage to nervous system
Alpha	Average 2008	.625 pCi	N/A	MCL=15.0 pCi/l	
Radium 226	Average 2008	.145 pCi	N/A	MCL=5.0 pCi/l	-Naturally occurring radioactive gas found in soil and outdoor air.
Radium 228	Average 2008	2.204 pCi	N/A	MCL=5.0 pCi/l	-Naturally occurring radioactive gas found in soil and outdoor air.