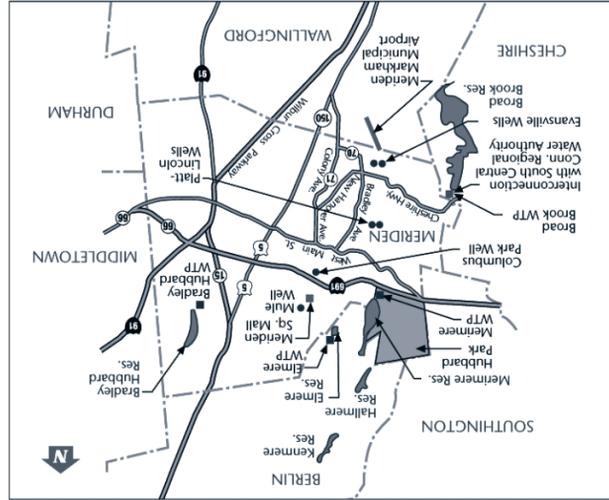


Meriden Water Division Answers Your Drinking Water Questions

Q—Where does my water come from?

A—Water supplied to you from the Meriden Water Division actually has several different sources. Each of these sources is shown on the map below. These sources include four reservoirs on the Meriden-Berlin town line, the Broad Brook Reservoir on the Meriden-Cheshire town



line, the Bradley-Hubbard Reservoir in the north-east corner of Meriden, and six groundwater wells located throughout the City. Depending on the City's requirements, the City also purchases water from the South Central Water Authority. Regional Water from the reservoirs is treated at one of Meriden's four water treatment plants. Water from each well is treated, it is distributed to city homes and businesses through a vast network of underground pipelines.

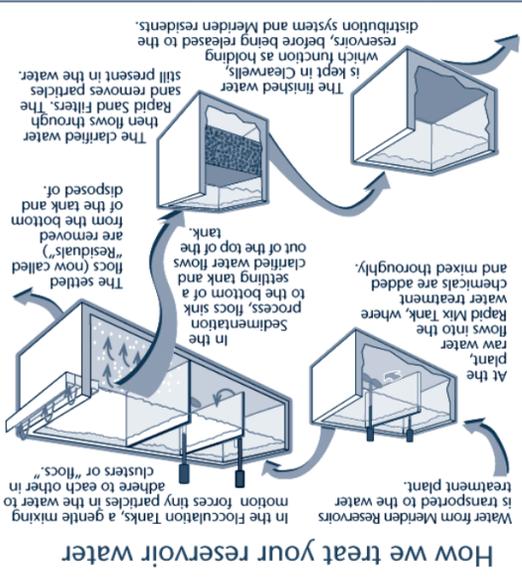
Q—What is being done to improve the system?

A—The Meriden Water Division is constantly trying to enhance both the quality and taste of your water. We do this through maintenance and capital improvement projects. Routine maintenance such as water main flushing is

performed to clean the pipes of iron and other deposits that accumulate over time. Capital improvement projects also can improve the water. We have also undertaken several capital improvement projects to improve our infrastructure and storage systems. For example, we are in the process of providing new aluminum dome covers and plastic liner systems to several of our finished water storage tanks. Other projects include continued implementation of water main cleaning and lining programs to improve water quality and reduce operating costs.

Q—Why does the taste and odor of my water vary?

A—Water naturally varies in taste and odor at different times of the year and will vary due to different sources. Typically, taste and odor compounds in water sources are more common during the summer. Because Meriden utilizes different sources based on the need and time of the year, certain customers will notice the different tastes



Q—Does our water contain fluoride?

A—Fluoride is added to your water to help prevent tooth decay. Levels of fluoride are consistently within limits set by state and federal regulation.

Even though we use a corrosion inhibitor, it is possible that lead can leach from common household plumbing fixtures. Older homes are more likely to have fixtures that contain lead. To minimize exposure to lead in your tap water, run the water until it is cold (about 30 to 60 seconds) if it has been standing in the pipes for more than six hours.

Q—Could there be lead in my water?

A—Lead has not been detected in the frequent tests we run on finished water at our treatment plants. The Meriden Water Division adds a phosphate-based corrosion inhibitor that aids in reducing lead and copper corrosion in the distribution system. Regularly monitored levels of the corrosion inhibitor were consistently within the range desired for corrosion control. The addition of this chemical helps to provide the safest drinking water possible.

and odors as the sources and seasons change. Taste and odor changes do not pose any health concerns.

City of Meriden, Connecticut



2005 Annual Water Quality Report

In 2005, water supplied by the Meriden Water Division met or surpassed all federal and state standards. See inside for the results of our tests on a wide range of contaminants.

This annual "consumer confidence report" also includes information on topics such as where our water comes from, what is being done to improve the water system, and how you can help preserve our water supply.

Together We Can Safeguard Our Water Supply

The Water Division is constantly checking water quality

Through the federal Safe Drinking Water Act (SDWA), the U.S. Environmental Protection Agency (U.S. EPA) sets national limits for hundreds of substances in drinking water and also specifies various treatments that water systems must use to remove those substances. The Meriden Water Division continually monitors for these substances, using sophisticated equipment and advanced procedures.

The public has a part to play too

The SDWA requires that we provide you with detailed information on water quality each year. We are happy to do this, because customers who are informed are our best allies in supporting improvements necessary for the long-term health of our water system. And remember – our City Council meetings are open to the public. You are always welcome to attend and to voice your views on our drinking water. For information on meeting times and location, please contact the City Clerk at (203) 630-4030. For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at 800-426-4791.

Public Notification Monitoring and Reporting Violation

The Meriden Water Division was issued a Notice of Violation by the Connecticut Department of Public Health (CTDPH) for a data reporting violation in 2005. We are now required to submit our water quality test results to the CTDPH using an electronic format. During the course of the 2005, monitoring results for nitrate and nitrite collected from eight monitoring locations throughout the calendar year and organic chemicals at one monitoring location for the 4th Quarter of 2005 were inadvertently omitted from our reporting. Please note that this was a reporting violation for data collected and not a monitoring or water quality violation. The missing test data was sent to the CTDPH, and our water quality was in no manner compromised due to this reporting violation.

Water Conservation Tips

Conservation is an important first step in preserving our water supply. Using these measures can also save you money by reducing your water and sewer bills. Here are a few suggestions.

Conservation measures you can use inside your home:

- Fix leaking faucets, pipes, and toilets.
- Install water-saving devices in faucets, toilets and appliances.
- Replace high-water-use fixtures.
- Wash only full loads of laundry.
- Do not use the toilet for trash disposal.
- Take shorter showers.
- Do not let the water run while shaving or brushing teeth.
- Run the dishwasher only when full.

You can conserve outdoors as well:

- Water the lawn and garden in the early morning or evening.
- Use mulch around plants and shrubs.
- Repair leaks in faucets and hoses.
- Use water-saving nozzles and sprinkler heads.
- Use water from a bucket to wash your car and save the hose for rinsing.

What's In My Water? - Meriden Water-Quality Analysis

Contaminant	Date Tested	Unit	MCL	MCLG	Highest Detected Level	Range	Major Sources	Violation
Inorganic Contaminants								
Copper	2005	ppm	AL=1.3	1.30	0.101	0.002-0.101	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives	NO
Lead	2005	ppb	AL=15	0	<1.0	<1.0	Corrosion of household plumbing systems; Erosion of natural deposits	NO
Fluoride	2005	ppm	4	4	1.39	0.15-1.39	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.	NO
Nitrate	2005	ppm	10	10	4.9	0.83-4.9	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	NO
Nitrite	2005	ppm	1	1	<0.01	ND-0.01	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits	NO
Barium	2005	ppm	2	2	0.334	0.003-0.334	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits	NO
Sodium	2005	ppm	AL=28 ⁽¹⁾	n/a	97.5	5.01-97.5	Stormwater runoff containing road salt	NO ⁽¹⁾
Chlorine	2005	ppm	4.0	4.0	1.8	0-1.8	Water additives used to control microbes	NO
Sulfate	2005	ppm	250 ⁽²⁾	n/a	36	7.0-36	Naturally occurring	NO
Asbestos	2000 ⁽³⁾	mfl	7	7	0.53	ND-0.53	Decay of asbestos cement water mains; Erosion of natural deposits	NO
Chloride	2005	ppm	250	n/a	250	3.4-250	Water additives used to control microbes	NO
Nickel	2005	ppm	4.0	n/a	0.002	ND-0.002	Discharge from steel and pulp mills, erosion of natural deposits	NO
Radioactive Contaminants								
Alpha emitters	2005	pci/L	15	0	6.8	ND-6.8	Erosion of natural deposits	NO
Radium (combined)	2005	pci/L	5	0	1.3	ND-1.3	Erosion of natural deposits	NO
Uranium	2005	pci/L	30	0	3.5	ND-3.5	Erosion of natural deposits	NO
Microbiological Contaminants								
Turbidity (combined filter effluent)	2005	%>0.3/MO NTU	TT ⁽⁴⁾ 0.3 ⁽⁴⁾	n/a n/a	0 0.265	0 0.010-0.265	Soil runoff	NO NO
Turbidity (system)	2005	NTU	5 ⁽⁴⁾	n/a	3.58	0.02-3.58	Soil runoff	NO
Total Coliform	2005	%POS/MO.	5% ⁽⁵⁾	0	0%	0%	Naturally present in the environment	NO
Heterotrophic Plate Count	2005	cfu/mL	500	n/a	130	0-130	Measures a range of bacteria that are naturally present in the environment	NO
Volatile Organic Contaminants								
Tetrachloroethylene	2005	ppb	5	0	2	ND-2	Discharge from factories and dry cleaners	NO
Trichloroethylene	2005	ppb	5	0	0.54	ND-0.54	Discharge from metal degreasing sites and other factories	NO
TTHMs [Total Trihalomethanes]	2005	ppb	80 ⁽⁶⁾	n/a	41	32-41	By-product of drinking water disinfection	NO
HAAs [Haloacetic acids]	2005	ppb	60 ⁽⁶⁾	n/a	24	21-24	By-product of drinking water disinfection	NO
Unregulated Contaminants								
Bromochloroacetic Acid	2005	ppb	NR	n/a	3.8	ND-3.8	By-product of drinking water disinfection	NO
Calcium	2005	ppm	NR	n/a	51.7	19.1-51.7	Erosion of natural deposits	NO

We are pleased to report that during the past year, the water delivered to your home or business complied with, or did better than, all state and federal drinking water requirements. Each year we analyze thousands of water samples for bacteria, turbidity, inorganic contaminants, lead and copper, nitrate, volatile organic contaminants, total trihalomethanes, and synthetic organic contaminants. For your information, we have listed in the table on the left the substances that were detected in our drinking water during the year. Although all of the substances listed are under the Maximum Contaminant Level (MCL) set by U.S. EPA, we believe it is important that you know exactly what was detected and how much of the substance was present in the water.

Notes To Table

⁽¹⁾ Although sodium does not have a MCL, the State requires that the water supplier provide notification to customers of levels exceeding 28.0 ppm. Therefore, if levels of sodium were recorded from a supply source in your area, you were previously provided notification of the event. Elevated levels of sodium were believed to be caused by road salt.

⁽²⁾ The National Secondary Drinking Water Guideline for sulfate.

⁽³⁾ Asbestos is not tested for every year; the most recent results available are given.

⁽⁴⁾ Turbidity: As of January 1, 2002, for conventional and direct filtration combined filter effluent, turbidity may never exceed 1 NTU, and must not exceed 0.3 NTU in 95% of daily samples in any month. At no time can turbidity at any point in the system exceed 5 NTU.

⁽⁵⁾ No more than 5% of monthly samples can be positive in any given month for total coliform.

⁽⁶⁾ As of January 1, 2002, these standards refer to running annual averages. Data from the last three quarters of 2004 is included in figuring these averages.

Key To Table

AL = Action Level

MCL = Maximum Contaminant Level

MCLG = Maximum Contaminant Level Goal

NTU = Nephelometric Turbidity Units

ND = Not Detected

NR = Not Regulated

ppm = parts per million, or milligrams per liter (mg/l)

ppb = parts per billion, or micrograms per liter (µg/l)

TT = Treatment Technique

pci/L = Picocuries per liter

mfl = Million fibers per liter

cfu/mL = bacterial colonies per milliliter

n/a = Not Applicable

Understanding Contaminants

To ensure that tap water is safe to drink, U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which 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 these contaminants does not necessarily indicate that the water poses a health risk.

The sources of both tap and bottled drinking water include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water from these sources travels over the surface of the land or through the ground, it can acquire naturally occurring minerals (which in some cases could be radioactive) and substances resulting from the presence of animals or from a wide variety of human and industrial activities. Substances that may be present in source water include:

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from such things as urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, or mining. This category of contaminants also includes the pesticides and herbicides used primarily in agriculture.

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

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

Volatile Organic (and Synthetic) Contaminants, which are typically by-products of industrial processes and petroleum production, and may also come from gas stations, urban stormwater runoff, and septic systems.

As the table above demonstrates, the Meriden Water Division removes these contaminants prior to distribution. Meriden water meets or surpasses all state and federal drinking water requirements.

Regulated Contaminants

Meriden Water Division tests for a large number of contaminants, though only detected contaminants are noted. Every regulated contaminant that we detected in the water is listed in the water-quality table above. In 2005, the Meriden Water Division's drinking water met or surpassed all federal and state drinking water standards.

Unregulated Contaminants

Meriden Water Division was not required to test for *Cryptosporidium* in 2005.

Health Matters

The presence of contaminants in drinking water does not necessarily indicate that the water poses a potential health threat.

A few contaminants, like copper, are in fact essential nutrients at appropriate, very low concentrations. However, some people who drink water that contains copper in excess of the EPA's Action Level could experience gastrointestinal distress over a relatively short period of time. Over many years, ingesting water that contains copper in excess of the Action Level could lead to liver or kidney damage. People with Wilson's disease should consult their personal doctor about their water consumption.

Lead is also a concern. 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 water containing lead in excess of the action level over many years could develop kidney problems or high blood pressure.

Some people may be more vulnerable to contaminants in drinking water than is 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* are available from the Safe Drinking Water Hotline (800-426-4791).

Source Water Assessment

Source Water Assessment Reports were completed by the Department of Public Health, Drinking Water Division for the Meriden Water Division. The assessment report can be found at www.dph.state.ct.us/brs/water/source_protection/swap/swap.htm. The assessment found that Meriden's surface water sources (Bradley Hubbard, Broadbrook, Kenmere and Merimere) have a LOW susceptibility to potential sources of contamination. Meriden's groundwater sources (Evansville, Platt-Lincoln, Mule, Columbus Park) ratings vary from MODERATE to HIGH, resulting from zoning regulations, aquifer protection regulations and potential contaminants in the source water.

The ratings are not a measure of the quality of water supplied to the consumers. They provide valuable direction to further securing our water sources.