

Menomonee Falls Water Utility

Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
(262) 532-4800

**2009 Blended**

During the course of the year 2009, the Menomonee Falls Water Utility purchased 1,121,579,794 surface water gallons from the City of Milwaukee. 3,474,000 ground water gallons were blended in for a total of 1,125,053,794 gallons of water to the customers in this zone. The result is a blend of less than one percent ground water and approximately ninety-nine percent Milwaukee surface water. This blending was performed in part to exercise and maintain our deep wells on a routine basis. Because of this blending process, we are required to inform our customers of the Water Utility's water quality testing results for the year 2009. Listed below are the test results for Menomonee Falls Municipal well water during the year 2009.

Disinfection Byproducts

| Contaminant (Units) | MCL | MCLG | Level Found | Range | Sample Date (if prior to 2009) | Violation | Typical Source of Contaminant |
|---------------------|-----|------|-------------|-----------|-----------------------------------|-----------|---|
| HAA5 (ppb) | 60 | 60 | 3 | 1 - 3 | | No | |
| THM (ppb) | 80 | 0 | 7.0 | 4.7 - 8.0 | | No | By-product of drinking water chlorination |

Inorganic Contaminants

| Contaminant (Units) | MCL | MCLG | Level Found | Range | Sample Date (if prior to 2009) | Violation | Typical Source of Contaminant |
|-----------------------|--------|------|-------------|--|-----------------------------------|-----------|---|
| Antimony Total (ppb) | 6 | 6 | .2 | .1 - .2 | 9/15/2005 | No | Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder |
| Arsenic (ppb) | 10 | n/a | 1 | 1 - 1 | 9/15/2005 | No | Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes |
| Barium (ppm) | 2 | 2 | .076 | .022 - .076 | 9/15/2005 | No | Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Beryllium Total (ppb) | 4 | 4 | .18 | .09 - .18 | 9/15/2005 | No | Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace & defense industries |
| Chromium (ppb) | 100 | 100 | 2 | 1 - 2 | 9/15/2005 | No | Discharge from steel and pulp mills; Erosion of natural deposits |
| Copper (ppm) | AL=1.3 | 1.3 | .2990 | 0 of 52 results were above the action level. | 12/15/2008 | No | Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives |
| Fluoride (ppm) | 4 | 4 | .8 | .7 - .8 | 9/15/2005 | No | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Lead (ppb) | AL=15 | 0 | 6.70 | 4 of 52 results were above the action level. | 11/12/2008 | * | Corrosion of household plumbing systems; Erosion of natural deposits |
| Nickel (ppb) | 100 | | 8.5000 | 1.4000 - 8.5000 | 9/15/2005 | No | Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products |
| Nitrate (NO3-N) (ppm) | 10 | 10 | .59 | .24 - .59 | 9/15/2005 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Nitrate (NO2-N) (ppm) | 1 | 1 | .190 | nd - .190 | 9/15/2005 | No | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Selenium (ppb) | 50 | 50 | 3 | nd - 3 | 9/15/2005 | No | Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines |
| Sodium (ppm) | n/a | n/a | 8.30 | 8.30 | 3/4/2006 | No | n/a |
| Thallium Total (ppb) | 2 | 0.5 | .2 | nd - .2 | 9/15/2005 | No | Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories |

*Systems exceeding a lead and/or copper action level must take actions to reduce lead and/or copper in the drinking water. The lead and copper values represent the 90th percentile of all compliance samples collected. If you want information on the number of sites or the actions taken to reduce these levels, please contact your water supply operator.

Radioactive Contaminants

| Contaminant (Units) | MCL | MCLG | Level Found | Range | Sample Date (if prior to 2009) | Violation | Typical Source of Contaminant |
|----------------------------------|-----|------|-------------|-----------|-----------------------------------|-----------|-------------------------------|
| Combined Uranium (ug/l) | 30 | 0 | 0.4 | 0.4 - 0.4 | 6/10/2008 | No | Erosion of natural deposits |
| Gross Alpha, Excl. R & U (pCi/l) | 15 | 0 | 13.6 | nd - 13.6 | 6/18/2008 | No | Erosion of natural deposits |
| Radium, (226 + 228) (pCi/l) | 5 | 0 | 4.0 | 1.4 - 4.0 | 6/10/2008 | No | Erosion of natural deposits |

Unregulated Contaminants

| Contaminant (Units) | MCL | MCLG | Level Found | Range | Sample Date (if prior to 2009) | Violation | Typical Source of Contaminant |
|----------------------------|-----|------|-------------|----------------|-----------------------------------|-----------|-------------------------------|
| Bromochloromethane (ppb) | n/a | n/a | .36 | .36 | | No | n/a |
| Bromodichloromethane (ppb) | n/a | n/a | 2.23 | 1.50 - 2.50 | | No | n/a |
| Bromoform (ppb) | n/a | n/a | .15 | nd - .37 | | No | n/a |
| Chloroform (ppb) | n/a | n/a | 2.85 | 2.70 - 3.10 | | No | n/a |
| Dibromochloromethane (ppb) | n/a | n/a | 1.23 | 1.10 - 2.80 | | No | n/a |
| Sulfate (ppm) | n/a | n/a | 199.00 | 27.00 - 199.00 | 9/15/2005 | No | n/a |



Some Facts about Wisconsin Water

Lakes (surface water) supply water to about 1.5 million people in 20 of Wisconsin's largest communities. Some of the water supplied to communities comes from Lake Michigan, Lake Superior or Lake Winnebago. Log onto WWW.DNR.WI.GOV for more Wisconsin Water Information