

2015 Consumer Confidence Report Data

FORT MCCOY NORTH POST,

PWS ID: 64203029

Water System Information

If you would like to know more about the information contained in this report, please contact Michael Miller at (608) 388-6546.

Opportunity for input on decisions affecting your water quality

Opportunities for public input are available at Building 2171 South 8th Ave., Fort McCoy, Mon-Fri 0800-1400

Health 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 poses a health risk. More information about contaminants and 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 systems 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 Environmental Protection Agency's safe drinking water hotline (800-426-4791).

Source(s) of Water

Source ID	Source	Depth (in feet)	Status
5	Groundwater	125	Perm. Abandoned as of 06/07/12
8	Groundwater	160	Perm. Abandoned as of 06/07/12
9	Groundwater	185	Perm. Abandoned as of 12/19/11
10	Groundwater	159	Perm. Abandoned as of 12/19/11

Source ID	Source	Depth (in feet)	Status
11	Groundwater	201	Perm. Abandoned as of 10/13/15
12	Groundwater	150	Perm. Abandoned as of 10/13/15
23	Groundwater	200	Perm. Abandoned as of 12/30/14
25	Groundwater	204	Active
27	Groundwater	217	Active
28	Groundwater	220	Active

To obtain a summary of the source water assessment please contact, Michael Miller at (608) 388-6546.

Educational Information

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 activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally- occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which shall provide the same protection for public health.

Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MCL	Maximum Contaminant Level: 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.
MCLG	Maximum Contaminant Level Goal: 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.
MFL	million fibers per liter
MRDL	Maximum residual disinfectant level: 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.
MRDLG	Maximum residual disinfectant level goal: 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.
mrem/year	millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/l)
ppb	parts per billion, or micrograms per liter (ug/l)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

Microbiological Contaminants

Contaminant	MCL	MCLG	Count of Positives	Violation	Typical Source of Contaminant
Coliform (TCR)	presence of coliform bacteria in $\geq 5\%$ of monthly samples	0	1	No	Naturally present in the environment

Disinfection Byproducts

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
HAA5 (ppb)	DBP-8060	60	60	2	2	8/5/2014	No	By-product of drinking water chlorination
TTHM (ppb)	DBP-8060	80	0	11.1	11.1	8/5/2014	No	By-product of drinking water chlorination

Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
ARSENIC (ppb)		10	n/a	1	0 - 1		No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM (ppm)		2	2	0.008	0.006 - 0.010		No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CHROMIUM (ppb)		100	100	1	0 - 2		No	Discharge from steel and pulp mills; Erosion of natural deposits

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
CYANIDE (ppb)		200	200	6	0 - 6		No	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
FLUORIDE (ppm)		4	4	0.1	0.1 - 0.1		No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL (ppb)		100		2.5000	1.4000 - 3.6000		No	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products.
NITRATE (N03-N) (ppm)		10	10	0.19	0.13 - 0.23		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)		n/a	n/a	11.00	1.30 - 11.00		No	n/a
THALLIUM TOTAL (ppb)		2	0.5	0.6	0.0 - 0.6		No	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	1.4000	3 of 20 results were above the action level.		No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	15.00	2 of 20 results were above the action level.		No	Corrosion of household plumbing systems; Erosion of natural deposits

Radioactive Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	3.0	-0.2 - 6.2		No	Erosion of natural deposits
RADIUM, (226 + 228) (pCi/l)		5	0	1.7	0.4 - 1.7		No	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)		n/a	n/a	3.1	0.0 - 6.2		No	Erosion of natural deposits
COMBINED URANIUM (ug/l)		30	0	3.6	0.0 - 3.6		No	Erosion of natural deposits

Unregulated Contaminants

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. EPA required us to participate in this monitoring.

Contaminant (units)	Level Found	Range	Sample Date (if prior to 2015)
SULFATE (ppm)	13.00	13.00	

Health effects for any contaminants with MCL violations/Action Level Exceedances

Contaminant Health Effects

COPPER Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilsons Disease should consult their personal doctor.

LEAD 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 this water over many years could develop kidney problems or high blood pressure.

Additional Health Information

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. Fort McCoy North Post 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 www.epa.gov/safewater/lead.

Information on Monitoring for Cryptosporidium

Radon Results

Contaminant (units) Sample Date Level Found

RADON (pCi/l) 4/9/2015 575.00

RADON (pCi/l) 4/22/2015 744.00

Health Information

Radon is a radioactive gas that has no color, odor, or taste. Radon occurs naturally in waters across the United States and it can move through the ground and into homes via cracks and holes in the foundation. Radon can also be released directly from drinking water by agitation that occurs during showers, clothes and dish washing. Radon entering homes from drinking water is generally quite little compared to what enters through the foundation. Radon is a known human carcinogen. Breathing air contaminated with radon can increase the risk of lung cancer, particularly for persons who also smoke cigarettes.

Drinking water containing radon may also increase risk of stomach cancer, but the risk associated with drinking water is generally significantly less than the threat posed by radon in air. If you are concerned about your radon exposure, you should test the air in your home. If testing indicates a radon concentration of 4 picocuries per liter of air (pCi/l) or greater, you may benefit from a treatment system that would reduce radon levels in your home. For additional information call the State Radon Health Center at (888-LOW-RADON) or EPA's Radon Hotline (800-SOS-RADON).

Other Compliance

Monitoring and Reporting Violations

Description	Contaminant Group	Sample Location	Compliance Period Beginning	Compliance Period Ending
Chem M/R - Reg - No Regular samples	Synthetic Organic Contaminants	200	4/1/2015	6/30/2015
WQP M/R Initial	Pbcu_Rule	Distribution System	6/1/2015	9/30/2015
WQP M/R Initial	Pbcu_Rule	Distribution System	6/1/2015	9/30/2015
Chem M/R - Reg - No Regular samples	Volatile Organic Contaminants	200	7/1/2015	9/30/2015

Description	Contaminant Group	Sample Location	Compliance Period Beginning	Compliance Period Ending
Chem M/R - Reg - No Regular samples	Synthetic Organic Contaminants	200	7/1/2015	9/30/2015
DBP Monitoring/Reporting	Dbp	Distribution System	7/1/2015	9/30/2015
Chem M/R - Reg - No Regular samples	Radioactive Contaminants	200	7/1/2015	9/30/2015
Bacti M/R MIN Routine - Too few Routine samples	Microbiological Contaminants	Distribution System	10/1/2015	10/31/2015

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. During the compliance period noted in the above table, we did not complete all monitoring or testing for the contaminant(s) noted, and therefore cannot be sure of the quality of your drinking water during that time.

Actions Taken

Increased sampling frequency