

CONSUMER CONFIDENCE REPORT (CCR) for Calendar Year 2010

EN ESPAÑOL: Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

Park Forest Water District (PFWD) is pleased to present you with this year's Consumer Confidence Report (CCR). This report is designed to inform you about the quality of water and services we deliver to you. As a public water utility, our constant goal is to provide you with a clean, safe, pleasant and dependable supply of drinking water. If you have questions about this report or the District in general, or wish to learn more about our system or what you can do to help protect your drinking water sources, please contact Ellen Robley, Operator in Responsible Charge, at Park Forest Water District, 7340 McFerran Road, Colorado Springs, CO 80908, pfwd@pfwd.com or 719.494.1320.

GENERAL INFORMATION

All 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 the water poses a health risk. For more information about contaminants and potential health effects, call the U.S. Environmental Protection Agency's (EPA) Safe Drinking Water Hotline 1.800.426.4791. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons who have undergone organ transplants, persons with cancer undergoing chemotherapy, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the EPA and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants, call the EPA's Safe Drinking Water Hotline 1.800.426.4791.

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 occur naturally 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- **Radioactive contaminants**, which can occur naturally or result from oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment (CDPHE) prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

OUR WATER SOURCES

CDPHE has provided us with a Source Water Assessment Report for our water supply. You may obtain a copy of the report by visiting <http://www.cdphe.state.co.us/wq/sw/swapreports/swapreports.html>, clicking on El Paso County and selecting 121600; Park Forest or by contacting PFWD's Operator in Responsible Charge (ORC), Ellen Robley, at 719.351.7438. For general information about Source Water Assessment, please visit <http://www.cdphe.state.co.us/wq/sw/swaphom.html>. Potential sources of contamination in our source water area come from: existing and/or abandoned mine sites, commercial/industrial/transportation, fallow, and pasture/hay land uses, and road miles.

The Source Water Assessment Report provides a screening-level evaluation of potential contamination that **could** occur. It **does not** mean that the contamination **has or will** occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan. Please contact PFWD's Operator in Responsible Charge, Ellen Robley, at 719.351.7438 to learn more about what you can do to help protect your drinking water sources, any questions about the drinking water Consumer Confidence Report, to learn more about our system, or to attend scheduled public meetings. We want you, our valued customers, to be informed about the services we provide and the quality water we deliver to you every day.

During the year 2010 PFWD obtained its water from four deep groundwater wells. Two of the wells draw water from both the Dawson and Denver aquifers and are drilled to depths of about 1200 feet. The other two wells draw water from the Arapahoe aquifer and range in depth from 2000 to 2200 feet. PFWD operates and maintains its own water distribution system, in addition to two water tanks with a combined storage capacity of approximately 0.24 million gallons. Production of a safe drinking water supply for PFWD is accomplished through on-site disinfection (chlorination) at each distribution plant within the District. PFWD further treats your drinking water with a corrosion inhibitor to ensure the best possible quality prior reaching your tap.

TERMS AND ABBREVIATIONS		
Term	Abbreviation	Definition
Maximum Contaminant Level Goal	MCLG	The 'Goal' 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.
Maximum Contaminant Level	MCL	The 'Maximum Allowed' 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.
Action Level	AL	The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
Average of Individual Samples	No Abbreviation	The typical value. Mathematically it is the sum of values divided by the number of samples.
Range of Individual Samples	No Abbreviation	The lowest value to the highest value.
Number of Samples	No Abbreviation	The number or count of values.
Gross Alpha, Including RA, Excluding RN & U	No Abbreviation	This is the gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222 and uranium.
Microscopic Particulate Analysis	MPA	An analysis of surface water organisms and indicators in water. This analysis can be used to determine performance of a surface water treatment plant or to determine the existence of surface water influence on a ground water well.
Variance and Exemptions	V/E	Department permission not to meet an MCL or a treatment technique under certain conditions.
Parts per million = Milligrams per liter	ppm = mg/L	One part per million corresponds to one minute in two years or a single penny in \$10,000.
Parts per billion = Micrograms per liter	ppb = ug/L	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	Picocuries per liter is a measure of the radioactivity in water.
Not Applicable	N/A	Not Applicable
Violation	No Abbreviation	A failure to meet a Colorado Primary Drinking Water Regulation.
Formal Enforcement Action	No Abbreviations	An escalated action taken by the State (due to the number and/or severity of violations) to bring a non-compliant water system back into compliance by a certain time, with an enforceable consequence if the schedule is not met.

LEAD IN DRINKING WATER

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. 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. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline 1.800.426.4791 or at <http://www.epa.gov/safewater/lead>.

DETECTED CONTAMINANTS

PFWD routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table(s) show all detections found in the period of January 1 to December 31, 2010 unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Violations and Formal Enforcement Actions, if any, are reported in the next section of this report. Any additional information may be found in the final section of this report. **NOTE:** Only detected contaminants sampled within the last five (5) years appear in this report. If no tables appear in this section, that means that Park Forest Water District did not detect any contaminants in the last round of monitoring.

LEAD AND COPPER SAMPLED IN THE DISTRIBUTION SYSTEM

Analyte Name	Monitoring Period	90th Percentile	Number of Samples	Unit of Measure	Action Level	Sample Sites Above Action Level	AL or TT Violation?	Typical Sources	Potential Health Effects from Long-Term Exposure Above the Action Level (unless specified as short-term)
COPPER	01/01/2008 to 12/31/2010	0.14	10	ppm	1.3	0	No	Corrosion of household plumbing systems; Erosion of natural deposits.	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 Wilson's Disease should consult their personal doctor.
LEAD	01/01/2008 to 12/31/2010	3.6	10	ppb	15	0	No	Corrosion of household plumbing systems; Erosion of natural deposits.	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.

REGULATED CONTAMINANTS SAMPLED AT THE ENTRY POINT TO THE DISTRIBUTION SYSTEM

Analyte Name	Year	Average of Individual Samples	Range of Individual Samples (Lowest - Highest)	Number of Samples	Unit of Measure	MCL	MCL G	MCL Violation?	Typical Sources	Potential Health Effects from Long-Term Exposure Above the MCL (unless specified as short-term)
BARIUM	2010	0.044	0.04 – 0.049	2	ppm	2	2	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.	Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.
FLUORIDE	2010	1.19	0.78 – 1.6	2	ppm	4	4	No	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.	Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining and/or pitting of the teeth, and occurs only in developing teeth before they erupt from the gums.

RADIONUCLIDES SAMPLES AT THE ENTRY POINT TO THE DISTRIBUTION SYSTEM

Analyte Name	Year	Average of Individual Samples	Range of Individual Samples (Lowest - Highest)	Number of Samples	Unit of Measure	MCL	MCLG	MCL Violation?	Typical Sources	Potential Health Effects from Long-Term Exposure Above the MCL (unless specified as short-term)
COMBINED RADIUM (-226 & -228)	2008	3.4	3.4 – 3.4	2	pCi/L	5	0	No	Erosion of natural deposits.	Some people who drink water containing radium -226 or -228 in excess of the MCL over many years may have an increased risk of getting cancer.

GROSS BETA PARTICLE ACTIVITY*	2007	2	2 - 2	1	pCi/L*	50	0	No	Decay of natural and man-made deposits.	Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta particle and photon radioactivity in excess of the MCL over many years may have an increased risk of getting cancer.
RADON	2007	450	450 - 450	1	pCi/L			No	Naturally present in the environment.	Radon is a radioactive gas that you cannot see, taste, or smell. It is found in the soil throughout the United States. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can reach high levels in all types of homes. Radon can also be released from tap water from showering, washing dishes, and other household activities. Compared to radon entering the home through the soil, radon entering the home through tap water will be, in most cases, a small source of radon in indoor air. Radon is a known human carcinogen. Breathing air that contains radon can lead to lung cancer. Drinking water that contains radon may also cause increased risk of stomach cancer. If you are concerned about radon in your home, test the air in your home. Testing is inexpensive and easy. Fix your home if the level of radon in your air is four (4) picocuries per liter of air (pCi/L) or higher. There are simple ways to fix a radon problem that are relatively inexpensive. For additional information, call the State of Colorado's radon program at 303.692.3030 or the EPA Radon Hotline 1.800.SOS.RADON.

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern for Gross Beta Particle Activity.

SECONDARY CONTAMINANTS**						
Analyte Name	Year	Average of Individual Samples	Range of Individual Samples (Lowest - Highest)	Number of Samples	Unit of Measure	Secondary Standard
SODIUM	2010	19.15	16.3 - 22	2	ppm	N/A
TDS	2008	96	96 - 96	1	ppm	500

**Secondary standards are non-enforceable guidelines for contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor or color) in drinking water. EPA recommends these standards but does not require water systems to comply.

FORMAL ENFORCEMENT ACTION(S) and VIOLATION(S)

There were no Formal Enforcement Actions to report that occurred during 2010.

There were no Violations to report that occurred during 2010.

DISTRICT INFORMATION

PFWD is committed to ensuring high quality drinking water and utility service to our customers. Your interest and participation in decision-making processes affecting your drinking water is encouraged. The Board of Directors holds its regularly scheduled monthly meetings on the second Wednesday of each month at 7 PM at the District's Administration Building, located at 7340 McFerran Road, Colorado Springs, CO 80908. Visit the www.PFWD.com website for more information.

Please contact PFWD's Operator in Responsible Charge, Ellen Robley, at 719.351.7438 or email to ellen@pbhmd.com, or PFWD's Office Manager, Kathy Marx, at 719.494.1320 or by email to pfwd@pfwd.com, if you have questions or general comments about this report. Thank you for your continued support of PFWD.

Park Forest Water District

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