

Whitworth Water District WATER QUALITY REPORT - 2010

SOURCE TYPE: Wells, Spokane-Rathdrum Aquifer

WATER HARDNESS: 176 ppm

MCL = Maximum Contaminant Level - The highest level of a contaminant that is allowed in drinking water.

MCLG = Maximum Contaminant Level Goal - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

TT = Treatment Technique - A required process intended to reduce the level of a contaminant in drinking water.

IOC = Inorganic Chemicals	mg/L = Milligrams per liter - 1 ppm	pCi/L = Picocuries per liter
VOC = Volatile Organic Chemicals	ug/L = Micrograms per liter - 1 ppb	ND = Not detected above quantifiable limits
< = Less than	AL = Action Level	

Source Water Testing

Contaminant	Most Stringent Standard (MCL)	MCLG	Highest Amount Detected	Complies With Standard	Possible Source
Nitrate - IOC	10.0 mg/L	10	2.85	Yes	Runoff from fertilizer use; septic tank leaching sewage; erosion of natural deposits.
Arsenic - IOC	10 ug/L	0	3.11	Yes	Erosion of natural deposits, runoff from orchards, glass and electronic production wastes.
Radium 228	5 pCi/L	0	1.40	Yes	Erosion of natural deposits
Gross Alpha	15 pCi/L	0	7.26	Yes	Erosion of natural deposits
VOC	5 ug/L	0	0.69	Yes	Dry cleaning solvent and metal degreaser

Distribution System Testing

Contaminant	Units	MCLG	MCL	90th Percentile	High	No. of Sites Exceeding AL	Possible Source
Lead (Tested Summer 2009)	ug/L	0	AL = 15	1	15.8	1	Corrosion of household plumbing systems; Erosion of natural deposits.

The above information is provided to notify you of the results of our water quality monitoring in 2010. More than 82 compounds were tested for in 2010. In every case except those listed above, there were no levels detected. Where a level was detected, the compound was well below federal regulations established by the Environmental Protection Agency. The sources of drinking water for both tap and bottled water include wells and surface water sources (springs, lakes, ponds, rivers). As water moves through the ground or over land surfaces, it dissolves naturally occurring minerals and in some cases, radioactive material, and can pick up substances resulting from animal or human activity. 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 health effects can be obtained by call the EPA Safe Drinking Water hotline (800)-426-4791.

Compounds that may be present in water include the following:

Organic - Synthetic and volatile compounds that are by-products of industrial processes and petroleum production; can also come from gas station and urban storm runoff, and septic systems

Inorganic - Salts and metals that are either naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharge, oil and gas production, mining and farming

Pesticides/Herbicides - From agricultural and storm water runoff and domestic uses

Biological - Viruses and bacteria occurring from sewage treatments plants, septic systems, feedlots and backflow in a public system.

Radioactive - Naturally occurring; also result of gas and oil production and mining activities.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno compromised people 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 are appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800) 426-4791. You may also contact our Water Quality Specialist at 466-7511 for more information on Whitworth Water District's water.