

City of Wendell Consumer Confidence Report 2019

The city of Wendell routinely monitors for contaminants in your drinking water in accordance with federal and state regulations. Please review the table to learn about your drinking water quality for the period of January 1, 2019 through December 31, 2019.



Potential Contaminants

Inorganic contaminants: salts and metals that can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or agriculture.

Pesticides and herbicides: may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

Microbial contaminants: viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife

Organic chemical contaminants: synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants: naturally-occurring or the result of oil and gas production and mining activities

Drinking Water Regulations

AL (Action Level): The concentration of a contaminant which, when exceeded, triggers treatment or other requirements

MCL (Maximum Contaminant Level): The highest level of a contaminant 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. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of disinfectant allowed in drinking water. Disinfectant is considered 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.

More information about contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water Hotline at 1-800-426-4791 or the website, www.epa.gov/safewater/hotline/

CONSTITUENT TABLE

| Constituent | Violation (Y/N) | MCL | MCLG | Lowest Level Detected | Highest Level Detected | Year Tested | Typical Sources of Contamination |
|---|-----------------|----------|------|-----------------------|------------------------|-------------|---|
| INORGANIC CONTAMINANTS | | | | | | | |
| Arsenic (ppb) | N | 10 | 0 | 2 | 2 | 2019 | Erosion of natural deposits; Runoff from orchards; Runoff from glass/electronics production wastes |
| Barium (ppm) | N | 2 | 2 | 0.21 | 0.3 | 2019 | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Copper (ppm) | N | 1.3 (AL) | 1.3 | N/A | 0.01 | 2017 | Corrosion of household plumbing systems; Erosion of natural deposits |
| Fluoride (ppm) | N | 4 | 4 | 0.43 | 0.44 | 2019 | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| Nitrate (ppm) | N | 10 | 10 | 0.94 | 2 | 2019 | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits |
| Lead (ppb) | N | 15 | 0 | N/A | 2 | 2017 | Corrosion of household plumbing systems; Erosion of natural deposits |
| DISINFECTANTS & DISINFECTION BY-PRODUCTS | | | | | | | |
| Chlorine (ppm) | N | 4 | 4 | 0.23 | 0.51 | 2019 | Water additive used to control microbes |
| TTHMs (ppb) | N | 80 | N/A | N/A | 3 | 2019 | By-product of drinking water disinfection |
| SYNTHETIC ORGANIC CONTAMINANTS | | | | | | | |
| Di 2-ethylhexylphthalate (ppb) | N | 6 | 0 | N/A | 0.8 | 2019 | Discharge from rubber and chemical factories |

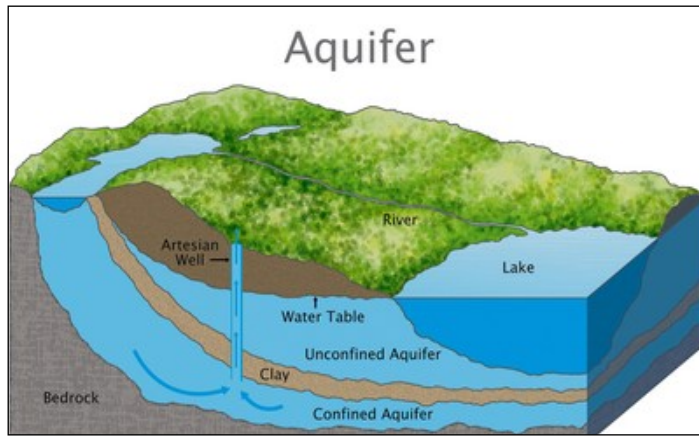
Units of Measurement

Picocuries per Liter (pCi/L): a measurement of radioactive substance per Liter

Parts per billion (ppb): One part per billion corresponds to one minute in 2,000 years

Parts per million (ppm): One part per million corresponds to one penny in \$10,000

Micrograms per Liter (ug/L): a measurement of micrograms of substance per Liter



Where does my drinking water come from?

The city of Wendell distributes drinking water from three groundwater wells (Gooding St Well, Boise St Well, and Lewiston St Well).

As water travels 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. 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.

LEAD INFORMATION

Elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily associated with service lines and home plumbing. The city of Wendell cannot control the variety of materials used in plumbing components. You can minimize the potential for lead exposure by flushing your tap for up to 2 minutes before using water. If you are concerned about lead in your water, you may wish to have your water tested.



Protecting Your Source Water

- Eliminate excess use of lawn and garden fertilizers and pesticides - they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets. Animal waste can easily be carried into our streams, rivers, and lakes after one good rainstorm.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; fertilizers, pesticides, motor oil, and other chemicals have a significant impact on your drinking water quality
- Dispose of pharmaceuticals properly; for more information, please refer to www.deq.idaho.gov/pharmaceuticals-disposal



Some people may be more vulnerable to contaminants in drinking water than the general population.

These individuals can include:

- persons undergoing chemotherapy
- persons who have undergone organ transplants
- people with HIV/AIDS or other immune system disorders
- Elderly individuals
- infants and young children

These individuals should consider seeking advice from a health care professional.



Water Quality for 2019

As the stewards of your drinking water system, we must inform you of one violation within your drinking water system. Our system failed to sample and report nitrate levels in a timely manner for one well (Gooding Street Well) during the year of 2019.

ARSENIC INFORMATION

While your drinking water meets EPA's standard for arsenic, it does contain low levels of arsenic. EPA's standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effects of low levels of arsenic which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

For additional information, please contact :

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