

City of Dundee 2020 Water Quality Report

Why We Provide A Water Quality Report?

For one it's a requirement of the Oregon Health Authority and EPA. Two it's a pride thing with us water operators, knowing that we are working hard to provide you with the best water in the world.

The source of drinking water (including bottled water) includes 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 radioactive material and can pick up substances from the presence of animals or human activity. It is important to remember that the presence of these contaminants does not necessarily pose a health risk. Contaminants that may be present include:

- **Microbiological contaminants.** Such as viruses and bacteria, which may come from wastewater treatment plants, septic systems, livestock operations and wildlife.
- **Inorganic contaminants.** Such as salts and metals, which can be naturally occurring or result from storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, and farming.
- **Pesticides and herbicides** which may come from a variety of sources, such as agriculture, storm water runoff and residential use.
- **Organic chemicals.** Including synthetic and volatile organics, which are byproducts of industrial processes and petroleum production. These can also come from gas stations, urban storm water runoff and septic systems.
- **Radioactive contaminants.** Which may be naturally occurring or be the result of mining or oil and gas production.

To be ensure that tap water is safe to drink. The EPA prescribes regulations which limit the levels of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

A Message from the EPA 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 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 (Centers for Disease Control) guidelines on appropriate means to lessen the risk of infections by cryptosporidium and other microbiological contaminants are available from the **EPA Safe Drinking Water Hotline 1-800-426-4791.**

Lead plumbing was banned in 1985. 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. The City of Dundee is responsible for providing high quality drinking water and 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 two 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 www.epa.gov/lead or the Safe Drinking Water Hotline (800) 424-LEAD [5323].

Dundee's water source. It comes from 9 wells that are scattered around town 5 of which are located in our watershed area the rest are in town at various locations that all feed into the distribution system that fills three reservoirs in different pressure zones.

How is it treated. We don't have to do a lot but add a little chlorine and monitor it regularly.

What we test. Certified independent labs take coliform samples weekly and test them. **Nitrates** are sampled annually, **Lead** and **Copper** every three years also every three years volatile and synthetic organic compounds are tested for. Every four years Radiological samples are tested.

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Substance	Water Source	Level	MCL	Goal Level	Date Tested	Likely Source of Contamination
Nitrates (ppm)	Water Shed	0.99	10.0	10.0	12/17/2019	Runoff from fertilizer uses, erosion of natural deposits septic tank leaching
TTHM (mg/l)	Distribution system	0.0072	0.080	0.080	12/11/2019	Byproduct of Disinfection
HAA5 (mg/l)	Distribution System	ND	0.060	0.060	12/11/2019	Byproduct of Disinfection
Gross alpha	Source	ND	15	15	3/27/2017	Erosion of natural deposits
Radium	Source	ND	5	5	3/27/2017	Erosion of natural deposits
Uranium	Source	ND	0.03	0.03	3/27/2017	Erosion of natural deposits
Chlorine (mg/l)	Distribution System	1.0 mg/l avg	<4.0	<4.0	6/1/2020	EPA required range not to exceed 4.0 mg/l
Substance	Test Location	Level	MCL	Goal Level	Date Tested	Influenced By
Lead	Residential Taps	0.00	0.015 mg/l	0.015 mg/l	9/29/2017	40 samples are taken from specific era homes, leaching out of fixtures.
Copper	Residential Taps	0.2610 mg/l	<1.3 mg/l	<1.3 mg/l	9/29/2017	40 samples are taken from specific era homes, leaching out of fixtures.
Sodium	Source	8.1 mg/l	28.7 mg/l		12/11/2019	Natural Deposits
Substance	Water Source	Number of Tests	Result	Goal Level	Calendar year 2109	Notes and Possible Influence
Total coliform Bacteria	Distribution System	53 Samples taken in 2019	53 Negative Samples	0 Positive	1/4/2019 12/13/2019	4 Samples are taken monthly from multiple locations throughout the distribution system as well as 5 source samples are taken yearly.
Arsenic	Source	ND	0.010 mg/l	0.010 mg/l	11/11/2019	Erosion of natural deposits
Fluoride	Source	0.25 mg/l	4	4	5/8/2014	Erosion of natural deposits
Other Testing	Water source	Result	Frequency		Last Test	Likely Source of Contamination
Synthetic Organic Compounds	Source	ND	3 Years		2/3/2020	Pesticides, PCBs
Volatile Organic Compounds	Source	ND	3 Years		2/3/2020	Organics Petroleum, Oils, Solvents
Inorganic	Source	ND	9 Years		2/3/2020	Manmade compounds
Hardness	Source	22 mg/l	Random		2017	

As you can see our water far exceeds requirements set forth by the EPA and we are proud to provide this safe and clean source of water to you!

Abbreviations ND=Non detect, ppm= parts per million, mg/l milligrams per liter, MCL= Maximum Concentration Limit

For questions on our annual water quality report please call 503 538 6700.