



Water Quality Report 2024

PRIDE IN SERVICE - INTEGRITY IN ACTION



The City of Newberg provides reliable water to you!

The City of Newberg is committed to providing safe and reliable drinking water. In Oregon, water providers are required to meet the Environmental Protection Agency (EPA) and the Oregon Health Authority (OHA) water quality regulations which include constant testing and disinfection from the source through the treatment plant up to the reservoirs and to your tap.



863.9

MILLION GALLONS
of water was produced in 2024 with zero water quality deficiencies or violations.



2.47

MILLION GALLONS
the City produced on average per day (MGD) in 2024.



39.79

MILLION GALLONS
of nonpotable water were supplied for irrigation. This helps conserve Newberg's source of drinking water.



4.90

MILLION GALLONS
was the City's peak production day in 2024.

The City's water comes from a groundwater supply drawn from a "wellfield" located just south of the Willamette River on property owned by the City of Newberg. Raw water is pumped from this natural sand and rock aquifer to the treatment plant for further treatment and distribution.

Water from the wellfield is safe to drink with minimal treatment. However, to protect your health, the following processes take place.

- Chlorine is used to disinfect and prevent any contamination between the source and your faucet. One part per million (ppm) is added and monitored throughout the delivery system.
- Iron and manganese are naturally occurring elements found in groundwater that can affect taste and cause discoloration. Filtration is used to remove these elements and improve water quality.

Copies of the Source water assessment are available for viewing at the City of Newberg's Water Treatment Facility.



Backflow Devices

Preventing contamination in the drinking water



Steps to help keep our drinking water safe



Step 1

Locate or install a Backflow Assembly Device. If you have an underground irrigation system, check to see if you already have one in place.



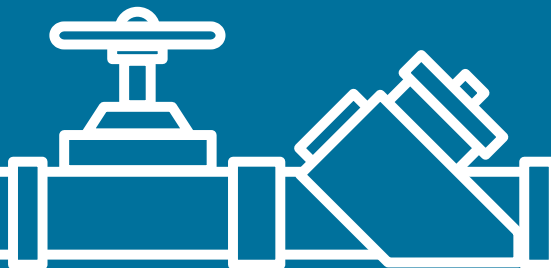
Step 2

If you install irrigation or fire system plumbing, code requires a backflow device to be installed.



Step 3

Test your Backflow Assembly Device annually! We will help you remember by sending you a letter each year to have your inspection done.



**Not sure
if you have a device?**

Call the Water Treatment Plant at 503-554-6839 or email backflow@newbergorgegon.gov for assistance finding the device on your property.

Protect your home from backflow!

DO NOT submerge the end of the garden hose in a swimming pool, container, or bucket to fill it.

To protect against these common cross-connections, check to see if you have installed air vacuum breakers on each hose bib. These simple devices are inexpensive and can be purchased from your local hardware store.





The City of Newberg provides reliable water to you!

The following tables show the results of the City of Newberg's water quality analyses. All regulated contaminants that have been detected, even in minute amounts, are shown in the table. The table contains the name of the substance, the water source, the amount detected, the maximum level allowed by regulation (MCL or AL), the ideal goal for public health (MCLG), and the likely source of the substance.

For more information: yourwater.oregon.gov/inventory.php?pwsno=00557

Substance	Water Source	Level	MVL/MCLG	Date Tested	Influenced by
Nitrate (ppm)	Well Field	None detected	10.0/0	09/09/24	Runoff from fertilizer, natural deposits, septic systems, etc.
HAA5* (ppb)	Distribution System	8.9	60/0	07/24	Byproduct of disinfection.
TTHM* (ppb)	Distribution System	30.1	80/0	07/24	
Radium (pCi/L) 226/228	Well Field	None Detected	NA/0	09/21	Erosion of natural deposits.
Uranium (ppb)	Well Field	None Detected	30/0	09/21	
Chlorine (ppm)	Treatment Plant	2.09	<4.0/<4.0	2024	EPA requires the range of disinfectant to stay in water throughout the system not to exceed 4.0 ppm.
Chlorine (ppm)	Distribution System	1.08	<4.0/<4.0	2024	
Arsenic (ppm)	Well Field	0.0 / 0.0	07/21	Testing schedule every 9 years.	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes

Substance	Test Location	Over Limit	MCL	Date Tested	Influenced by
Lead (ppb) Tested every 3 years	Residential Taps	1 out of 30	15/0	08/24	Corrosion of household plumbing.
*Lead sampling 90th percentile result 2.79 ppb					
Copper 3 (ppm) Tested every 3 years	Residential Taps	0%	<1.3/<1.3	08/24	
Sodium (ppm)	Well Field	0%	27.8/20	2023	There are no limits set for sodium by the EPA.

Substance	Location	Number of Tests	Result	Year	Notes
Total Coliform Bacteria	Multiple Locations	405	404 Negative	2024	All check and repeat samples were negative.

Other Testing	Number of Tests	Frequency	Result	Last Test	Notes
Regulated VOC	21	Every 3 years	ND	2024	Organic, i.e. petroleum, solvents.
Unregulated VOC	36	Every 3 years	ND Below MCLs	2024	
Organic SOC	29	Every 3 years	29 or all ND Below MCLs	2024	Pesticides, PCBs.
Inorganic	17	Every 9 years	Below MCLs	2021	Man-made compounds.
UCMR5/PFAS	29	Unregulated	ND	2024	Man-made compounds.

ABBREVIATIONS

ppm Parts Per Million or Milligrams Per Liter
ppb Parts Per Billion or Micrograms Per Liter
NTU Nephelometric Turbidity Units
pCi/L Picocuries Per Liter
mgd Million Gallons per Day

TTHM Total Trihalomethanes
HAA5 Haloacetic Acids
ND None Detected
MCLG Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health.

MCL Maximum Contaminant Level: The highest level allowed in drinking water. The MCL is set as close to the MCLG as feasible using the best available technology.
NA Non-Applicable
SOC Synthetic Organic Contaminants
PCB Polychlorinated Biphenyls

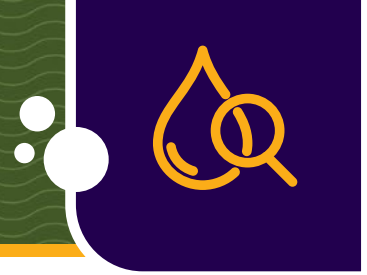
AL Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
VOC Volatile Organic Compound

* Values are maximum recorded of all sources sampled during 2024.

** The 90th percentile value is the level that 90% of the homes tested were at or below. If the 90th percentile value exceeds the AL, water suppliers must take steps to reduce lead and/or copper levels.

*** Measured at residential taps.

Why Provide a Water Quality Report?



Drinking water (including bottled water) may reasonably be expected to contain at least a small amounts of contaminants. It may be sourced from 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.

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the number 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 protections for public health.

Contaminants that may be present include:



Microbiological Contaminants

Such as viruses and bacteria, may come from wastewater treatment plants, septic systems, livestock operations, and wildlife.



Inorganic Contaminants

Such as salts and metals, can be naturally occurring or result from stormwater 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, stormwater runoff, and residential use.



Organic Chemicals

Including synthetic and volatile organics, are byproducts of industrial processes and petroleum production. These can also come from gas stations, urban stormwater runoff, and septic systems.



Radioactive Contaminants

Which may be naturally occurring, or be the result of mining or oil and gas production.



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/Centers for Disease Control (CDC) 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 Newberg 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 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 are available at www.epa.gov/lead or the Safe Drinking Water Hotline 1-800-424-LEAD(5323).

Frequently Asked Questions



Does Newberg's water supply contain fluoride?

The City of Newberg does not add fluoride to the water, however, there are trace amounts that occur naturally in the water supply.

Is Newberg's water hard or soft?

Our water supply is considered medium - hard measured at 84 milligrams per liter (ppm).



Is there chlorine in my drinking water?

The City is required to maintain a "chlorine residual" in the water. This is to protect the water from microbial contamination as it travels from the treatment facility to your home. There is approximately one milligram per liter of chlorine in a consumer's water.

Team up with us to protect our watershed!



Protect water by helping rain absorb naturally and slowly instead of running down streets, collecting pollution, eroding hillsides, and destroying habitats. Healthy streams have lower temperatures and return water to underground sources.



Schools or Civic Groups

- Stormwater or watershed classroom education or projects.
- Create a rain garden or rain swale.
- Replace invasive plants with native stock.
- Mark storm drains or clean up invasive plants.



Private Property Owners

- Add erosion control.
- Add native plants within 50 feet of a stream.
- Create a rain garden or swale.

Questions? Contact: environment@newbergoregon.gov or 503-537-1282

A cleaner community = A safer community

Unwanted items do not belong on the curb or down storm drains!

Report ANYONE you see dumping into storm drains!

503-538-8321

For a list of waste, yard debris, and recycling options in Newberg, visit the Waste Management website.

www.wmnorthwest.com/transferstation/newberg.htm





Newberg Prepares!

Redundancy: Plan for the best and prepare for the rest

Our water system has 2 lines one above and one below the ground to ensure that if one is damaged the other can still be used. The water reservoirs are in two separate locations and our lift stations have generator back up power. The city owns 14 Portable Water Purification Systems that can be delivered quickly if clean drinking water is unavailable for a long period of time. In addition, 5 water filtration supply pods are located in the city for large scale water distribution. City staff train 40+ hours a year to be emergency response ready. Keeping our community safe is important to us and we are prepared for emergencies.



Be Prepared for an emergency.

Help may be 72 hours away so have the following ready:



Water



**Portable Power/
Batteries**



Flashlight



Blanket



Food



**Spare
Medicine**



**Weather
Radio**



**Pet
Supplies**

Keep important documents in watertight containers or saved digitally.



**Birth
Certificates**



Government ID



**Insurance
Cards**



**Medical
Records**



**Recent photo of
family members**



**Have a meeting place and an evacuation
route ready for home, school, and work.**

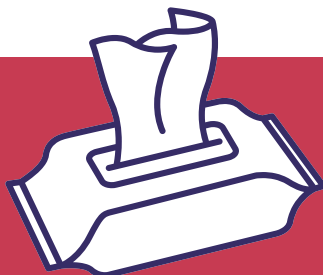
**For more information about emergency
readiness visit www.bit.ly/NewbergPrepares**

A Toilet is Not a Trash Can!



Think Before You Flush

An overflowing toilet can ruin your home in an instant!



FLUSHABLE WIPES CLOG PIPES!

"Flushable" wipes are NOT flushable. They are the #1 cause of sewer backups in your system.



Bottled Water Is Not Safer Than Tap Water



More than half of all bottled water comes from tap water.



Bottled water is \$8.26 per gallon. That's 1,000 times more expensive than tap water.



FDA does not require testing by bottling companies.



Oregon requires the City to conduct 10 different tests weekly.



Water bottle manufacturing is a significant source of pollution.

How Do I Pay My City Municipal Services Bill?



Customers are invoiced on one monthly statement for all city fees, including water, wastewater, and stormwater.

SERVICES

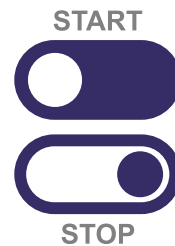
Call 503-537-1205 or visit 401 E Third Street, Newberg, Oregon.



Electronic Payments



Ask a Question



Start/Stop Service



For more information about how to read the invoice, questions about winter averaging, or participating in the Citizens Rate Review Committee, contact the Finance office or visit www.newbergoregon.gov/government/departments/finance/index.php

Need help paying your utility bill?

We're happy to help!

Visit www.newbergoregon.gov/government/departments/services_billing/financial_assistance.php or call 503-537-1205.





Projects and Upgrades



House Bill 2001 Waterline projects:

- Design work continues to progress for Phase 1 and Phase 2.
- The first construction phase (Segments I-1 and I-4) is planned for advertising in Spring 2025.
- The project team will be reviewing options for the traditional bidding process provided by the City Attorney for the waterline construction procurement.
- Design work for future construction phases (Segments I-2, I-3, I-5, I-7, and I-8) is expected to continue through 2025 and possibly beyond.
- All project segments are scheduled to be completed by July 2029.

The Water Management Conservation Plan - Progress Reporting to OWRD:

- The Oregon Water Resources Department (OWRD) approved Newberg's WMCP with a Final Order on September 4, 2019.
- The City is required to submit a progress report to OWRD for compliance with OAR 690-086-0120(4).
- GSI Water Solutions, Inc. (GSI) is contracted to prepare and submit the progress report by September 4, 2024.
- GSI received relevant data from the city on water production, loss, billing, and customer usage on July 26, 2024.
- The report will include the City's efforts to educate the public on water management and conservation.

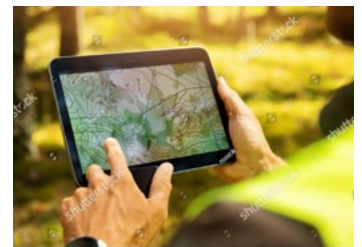


GWTP Filter Covers

- Keller is progressing on the 90% plans and specifications with the intent of submitting ahead of the 02/15/2025 OHA deadline.
- The 90% plans were Approved by OHA on 2/25/2025
- Preparation of bidding documents is currently underway with intent to construct in summer 2025.

Water Treatment Plant Siting Study

- Geotechnical evaluations and report is underway with report expected in January 2025
- The Geotechnical report was received February 26th
- Siting study will begin after receiving geotechnical report.
- Siting study is underway



Wastewater Treatment Plant Capacity Study

- Kickoff meeting was held in January 2025
- City staff provided background data and information to begin study
- Keller is working on Draft Capacity Study with intent to submit in late April
- A Clarifier Stress Test will be completed in the fall and results will be accounted for in final study



Have questions? We're here to help.



www.bit.ly/newbergpublicworks

GET INVOLVED - JOIN THE CONVERSATION

The City of Newberg Council meets every first and third Monday at 6:00pm at the Newberg Public Safety Building, 401 E. Third Street. Meetings are open to the public and residents are encouraged to attend.

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Have a question regarding water quality?

503-537-1227

Have a water leak or need an emergency shut-off?

503-537-1234

Want to start or stop service?

503-537-1205