

There may be an invisible danger in your drinking water.

You cannot taste, see, or smell nitrate in your water, but at elevated levels, it poses a health danger to all ages.



will keep your family safe from nitrates.



Nitrate contamination in private wells is on the rise

Nitrate is one of the most common groundwater contaminants in Wisconsin, and it poses a serious health risk.

Testing and treating your water is the only way ensure your family is protected from the effects of nitrate contamination.

Nitrate Shield - cutting-edge treatment technology to stop nitrate before it ever enters your home.

Enjoy peace of mind with our state-certified
Nitrate Shield™
“whole house protection”



uswater.com

A Health Risk for Private Wells

Recent scientific evidence has shown that exposure to high nitrate/nitrite is linked to many serious health issues, including rapid heart rate, nausea, headaches, and abdominal cramps. Some studies also suggest an increased risk of thyroid problems and some cancers.



Levels of nitrate-nitrogen over 10 mg/L are harmful to people of all ages.



How Nitrate Contamination Occurs

Nitrate/nitrite comes from various sources:

Agricultural Activities

Runoff from use of fertilizers and manure

Industrial Discharges

Wastewater containing nitrate compounds

Septic Systems

Leaking septic systems can also release nitrate into the ground

The Risks of Nitrate in Drinking Water

Decreased Blood Oxygen

Nitrates affect oxygen transport in blood. This can cause bluish skin and serious symptoms like weakness, rapid heart rate, fatigue, and dizziness. In infants, this lack of oxygen flow may cause blue baby syndrome.

Brain and Spine Defects

High nitrate levels in drinking water may also affect the brain and spine development of unborn babies. Pregnant women should avoid drinking and preparing food with high-nitrate water.

Thyroid Disease

Increased nitrate levels also reduce iodine uptake which affects thyroid hormone production. Low thyroid hormone levels can lead to fatigue, weight gain, dry skin, hair loss, and goiters.

Colon Cancer Risk

Studies also suggest that high nitrate levels may increase colon cancer risk.

Note:
Immediate action is recommended when nitrate levels are high.



Unlike “under-the-sink” systems, **Nitrate Shield** is a robust “whole home” system that works together with your water softening system to remove nitrates from your entire water system.

- The system can easily be scaled for both residential and commercial needs
- It uses the industry’s best material to thoroughly and consistently remove nitrate from your water
- State of Wisconsin approved

STEP 1

Our Ultimate Twin system means no interruption to the water softening or nitrate filtering processes



Water Softener

Your water begins with twin softening, eliminating minerals for Nitrate Shield’s best performance. The twin system means no downtime in your water flow and consistent water quality for the most effective nitrate removal.

STEP 2

Nitrate Shield uses top-quality resin to remove nitrate.



Nitrate Shield

Next the water flows through the nitrate removal process. Resin material within the tank attract and trap the nitrate ions, releasing chloride ions in exchange. This removes nitrate from your water supply, ensuring cleaner and safer water for you and your family.

STEP 3



Water meter ensures proper chemical dosing regardless of water flow rate.

System uses NSF certified chemicals.



Injection System

The Precision Injection pH Balancing System is a metered injection system. This means it injects the precise amount of neutralizer into the water stream regardless of the flow rate, so it consistently maintains an EXACT pH level.

About U.S. Water

Wisconsin Family-Owned & Operated

We've proudly served our customers since 2000. We KNOW Wisconsin's water and strive to provide the best water testing & treatment services possible to Central, Eastern, Western, and Northern Wisconsin.

Wisconsin State-Certified Water Testing Lab

We provide our customers with quick turnaround and precision water test results.

U.S. Water test lab is accredited by the DNR under NR 149 (FID: 737240900) and WDATCP (Certificate of Approval Wisconsin Laboratory Number: 508)

We Resolve Problems

We can help with water hardness/scaling, and other issues from nitrates, coliform bacteria, lead, tannin and much more.

Highest Quality Water Treatment Products

With our combined experience and knowledge, we use only the best products available to ensure you get the best care for your needs.

We offer more than treatment

U.S. Water also has on-staff plumbers for your repair and remodeling needs.



Our Services

- ✓ Water Testing:
Including PFAS, Nitrate, Arsenic, Lead, E. coli, water properties and more
- ✓ Water Treatment Sales & Service
- ✓ Plumbing
- ✓ Real Estate Home & Water Inspections
- ✓ Commercial & Healthcare Water Testing & Management



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