

## The Hidden Threat of Microplastics in Your Water

### And How Lancaster Water Group Can Help

Every day, we unknowingly consume tiny plastic particles known as microplastics. These invisible contaminants have infiltrated our water sources, raising serious concerns about their long-term effects on human health. While their full impact is still being studied, experts agree that minimizing exposure is crucial. That's where Lancaster Water Group comes in—with our advanced reverse osmosis (RO) systems, we provide a powerful solution to safeguard your drinking water.

#### What Are Microplastics?

Microplastics are tiny plastic fragments, often less than five millimeters in size, that originate from a variety of sources, including plastic packaging, synthetic fibers, and industrial waste. They enter our waterways through runoff, wastewater discharge, and even the breakdown of larger plastic debris. Studies have found microplastics in rivers, lakes, oceans, and—most alarmingly—in tap water across the globe.

#### Why Should You Be Concerned?

The presence of microplastics in drinking water is a growing issue. While research is ongoing, scientists have linked microplastic exposure to potential health risks, including inflammation, hormone disruption, and the accumulation of toxic chemicals in the body. Since microplastics are designed to be durable, they don't easily break down, making them a persistent threat in the environment and in our water supply.

#### How Can You Protect Your Home's Water?

The most effective way to remove microplastics from your drinking water is through a high-quality filtration system—specifically, reverse osmosis (RO) technology. Lancaster Water Group's RO systems are engineered to target and eliminate even the smallest contaminants, including microplastics, ensuring that your family has access to clean, safe water.

#### Why Choose a Lancaster Water Group RO System?

Our reverse osmosis systems use multi-stage filtration to capture microplastics along with other harmful impurities such as heavy metals, chlorine, and volatile organic compounds (VOCs). Here's how our RO technology stands out:

- **Ultra-Fine Filtration** – Our RO membranes filter down to 0.0001 microns, effectively removing microplastics and other contaminants that standard filters miss.
- **Comprehensive Purification** – Beyond microplastics, our systems reduce a wide range of pollutants, improving taste, odor, and overall water quality.
- **Reliable and Efficient** – Our cutting-edge technology ensures consistent performance, giving you peace of mind with every sip.
- **NSF Certified** – Our RO systems meet rigorous NSF certification standards, guaranteeing high-quality water purification that you can trust.
- **American Made** – Proudly manufactured in the USA, our systems are built with superior craftsmanship and high-quality materials to deliver long-lasting performance.



# LANCASTER

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## Take Control of Your Water Quality Today

Microplastics in drinking water are a hidden but significant concern—but with Lancaster Water Group, you don't have to worry. Investing in a high-performance RO system means investing in your health and the purity of your water. Don't wait for the problem to grow—take action today and experience the Lancaster Water Group difference.

Contact us to learn more about our RO systems and how we can help you enjoy cleaner, healthier water at home!