

Aqua Pure Plumbing Identifies Hard Water as Leading Cause of Early Water Heater Failure Across DFW Suburbs

The Colony plumber explains how Lewisville Lake's mineral-heavy water accelerates sediment buildup, corrodes anode rods, and shortens heater lifespan in DFW.

THE COLONY, TX, UNITED STATES, August 18, 2026 /EINPresswire.com/ -- Homeowners across The Colony, Frisco, Plano, Carrollton, and the surrounding DFW suburbs share a water supply sourced primarily from Lewisville Lake, and that water carries a mineral load that quietly damages water heaters from the inside out. [Aqua Pure Plumbing](#), a family-owned residential plumbing company based in The Colony, is drawing attention to the connection between regional water hardness and the premature failure of both tank and tankless water heaters in homes throughout the northern Dallas metro.



Aqua Pure Plumbing Logo

Water hardness in the DFW suburbs fed by Lewisville Lake and the Upper Trinity Regional Water District ranges from approximately 10 to 21 grains per gallon depending on municipality and seasonal conditions. The U.S. Geological Survey classifies anything above 10.5 grains per gallon as "very hard." At those concentrations, calcium and magnesium dissolve into every gallon that passes through a home's plumbing, coating heating elements, accumulating as sediment at the bottom of tank-style water heaters, and scaling the heat exchangers inside tankless units.

"Most of the water heaters I pull out of Colony and Carrollton homes are between six and eight years old, and the sediment inside the tank is two to three inches deep," said Devan Adair, owner and Master Plumber at [Aqua Pure Plumbing in The Colony, TX](#). "The anode rod is completely

gone by that point. Once that rod is consumed, the tank itself starts corroding from the inside, and that is when homeowners see rust-colored hot water or a puddle on the floor."

The anode rod, a sacrificial metal component suspended inside the tank, is designed to attract corrosive elements so the steel tank does not corrode. In softer water, an anode rod can protect a tank for three to five years. In hard-water markets like northern DFW, the higher mineral content accelerates that corrosion cycle, and many homeowners never inspect or replace the rod before it is fully depleted.

Industry data indicates that a well-maintained water heater typically lasts eight to 12 years under normal conditions. Hard water can reduce that lifespan by approximately two years, according to plumbing trade sources. Without annual flushing and periodic anode rod replacement, the gap widens further. Aqua Pure Plumbing recommends that DFW homeowners flush their tank water heaters at least once a year and have the anode rod inspected every two to three years, rather than the three-to-five-year interval sufficient for softer water regions.

Tankless water heaters face a related but distinct problem. Hard water scales the heat exchanger, the component responsible for transferring heat to the water on demand. Without annual descaling, scale buildup restricts flow, triggers error codes, and can void the manufacturer's warranty. Aqua Pure Plumbing reports that many of the tankless units it services across Allen, Frisco, and McKinney are on year three or four of a 10-year warranty with severe scale accumulation because annual maintenance was never performed.

Every water heater installation performed by the company includes a code-compliant thermal expansion tank, a drain pan on elevated or closet installs, correct temperature and pressure relief discharge routing, and dielectric unions on the supply connections. The company holds active plumbing licenses across multiple DFW municipalities and maintains a BuildZoom score of 97, placing it in the top 18 percent of more than 222,000 Texas licensed contractors.

Aqua Pure Plumbing serves homeowners across 14 cities in the DFW metroplex, including The Colony, Frisco, Plano, McKinney, Allen, Carrollton, Lewisville, Flower Mound, Highland Village, Lake Dallas, Coppell, Farmers Branch, Richardson, and Addison.

[About Aqua Pure Plumbing](#)

Aqua Pure Plumbing is a family-owned, licensed, and insured residential plumbing company based in The Colony, Texas. Owner Devan Adair, a Texas-licensed Master Plumber (TSBPE License #46028), personally handles service calls across The Colony and the surrounding DFW suburbs. The company offers same-day and after-hours availability, maintains a 5.0-star average across verified Google reviews, and provides services including slab leak repair, sewer line replacement, leak detection, water heater repair and installation, tankless water heater service, gas line work, drain cleaning, and hydro jetting. More information is available at <https://aquapureplumbing.com/>.

Media Contact

Aqua Pure Plumbing

Address: 1671 Riverview Dr #205, The Colony, TX 75056

Phone: (945) 500-8335

Website: <https://aquapureplumbing.com/>

Devan Adair

Aqua Pure Plumbing

+1 (945) 500-8335

info@aquapureplumbing.com

This press release can be viewed online at: <https://www.einpresswire.com/article/935074814>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.