



Grady and Evelyn Bilbrey, Red Boiling Springs, TN



Carson Salyer poses with homeowner David Verzier of Pleasant Shade, TN and the LWW WPC install team.



Water-The Crisis of Our Time

The most precious natural resource on earth isn't gold or oil. It's clean water. More than one billion people around the world have no access to clean water.

Three million people, the majority of them children, die every year from water-borne intestinal diseases that reduce the body's ability to absorb food.

Living Waters for the World through Westminster Presbyterian Church has developed practical and sustainable solutions to this crisis, providing communities in Peru and families in Tennessee and Kentucky the tools and training to produce clean water for themselves. In Peru, sanitary habits such as hand washing that promote good health are a portion of the training our teams give. This simple but important act anywhere in the world along with the production of clean water is vital to good health.

"In 9 years of testing private, rural water supplies in 5 counties in Tennessee and 1 county in Kentucky where we have installed systems, we have found bacteria levels that almost always exceed Safe Drinking Water Standards."

-Dennis Williams, Living Waters for the World Tennessee coordinator for Westminster Presbyterian Church

From "Tennessee Ground Water Monitoring and Management-Ground Water Report 305 (b)" dated 2018 provided by the Tennessee Department of Environment and Conservation:

"... 700,000 people (in Tennessee) get their drinking water from private wells and springs."

"Water well testing and maintenance are the responsibility of the individual homeowner. Springs used by private individuals by their very nature are not regulated since they are not constructed. Users of a private water source that have never tested the source do not know what they may be drinking."

"Wells and springs may contain pathogenic organisms and should be filtered and disinfected before being used."

Living Waters for the World Wants to Provide You Clean Water

Contact:

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Living Waters for the World (International) Website:
livingwatersfortheworld.org

Living Waters for the World Westminster Presbyterian Church Website:
nashvillewpc.org

Should you desire to donate to Living Waters for the World, mail your contributions to:

Westminster Presbyterian Church
Attn: Living Waters for the World
3900 West End Avenue
Nashville, TN 37205

If you use Amazon, enter the web address:
smile.amazon.com

Amazon gives a small portion to Living Waters for the World (International) for each purchase made.

Jesus Christ is Living Water for our Bodies and Souls.



Westminster Presbyterian Church
3900 West End Avenue
Nashville, TN 37205
615.292.5526



This is your gift of clean water.



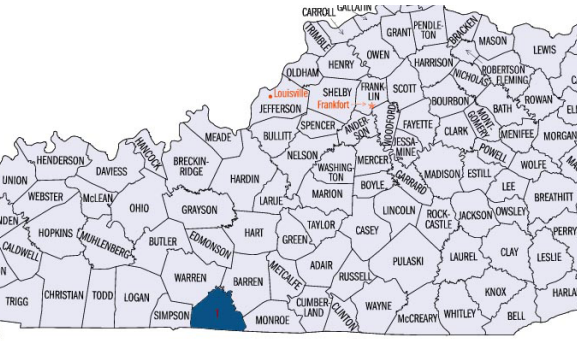
Living Waters for the World

Westminster Presbyterian Church (WPC) through Living Waters for the World trains, equips, and supports mission teams to share the gift of clean water with communities around the world and locally in Tennessee and Kentucky.

* Globally, Living Waters teams have installed over 1000 water treatment systems in churches, schools, clinics, hospitals and orphanages.

* WPC, through Living Waters, has installed 13 community water systems in Peru that can produce 300 gallons of clean water per hour.

* In TN and KY, Westminster Presbyterian Living Water’s teams have constructed 42 treatment systems in private homes.

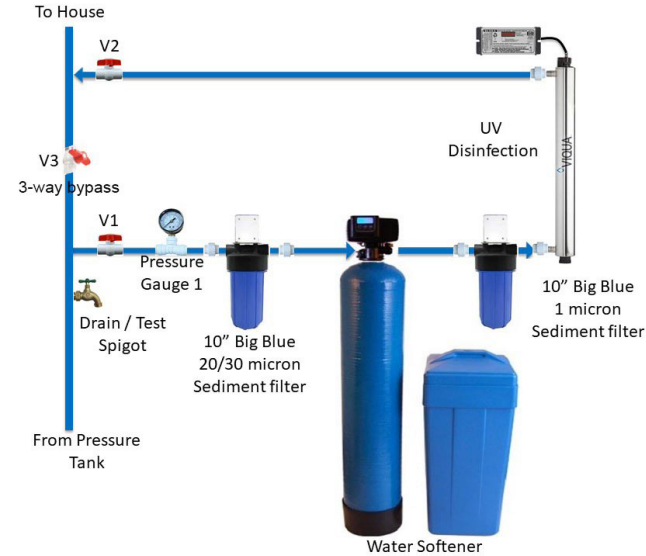


Kentucky Counties:
Allen - 1



Tennessee Counties:
Hickman - 1 Smith - 3
Macon - 33 Clay - 1
Claiborne - 3

*Current as of February 2021



Testing Water

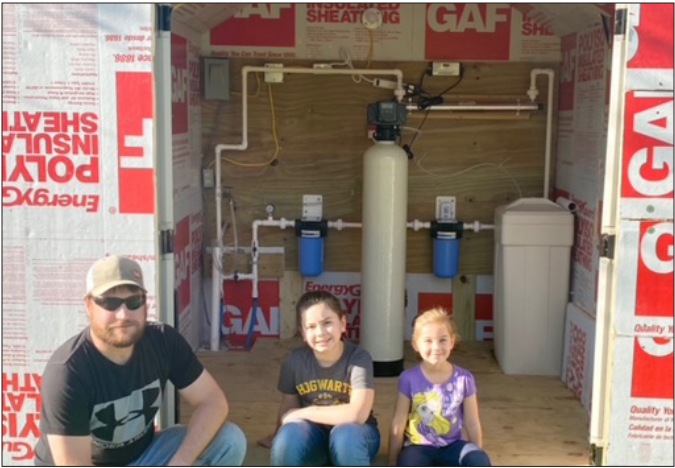
Our Living Waters teams test homeowners’ water supply over a period of months to define those parameters in the water that do not meet safe drinking water standards.

Once defined, a system unique to that homeowner’s water supply is designed.

How our clean water systems work

Westminster’s LWW program serves communities in Peru and private homes in TN and KY that have available, but contaminated, water. Because many different contaminants can make water unsafe to drink, we have developed modular clean water systems to address specific needs of each community and home. WPC supplies water treatment equipment and installation at no cost to the homeowner. Depending on the system, the value of the equipment, provided as a mission of WPC, can range from \$1,200 to \$3,500.

Through filtration and disinfection processes, bacteria, organisms and other impurities are removed from the water. Operational costs for large treatment systems used internationally are normally less than a penny per gallon. Systems used in TN and KY cost the homeowner approximately \$125 per year. In TN and KY, parts are available currently in Lafayette, Tennessee with filters costing \$9 each and ultraviolet bulbs \$52 (February 2021 costs). Filters typically are replaced every few months and the UV bulb annually.



Red Boiling Springs resident, Ethan Russell, sits in front of his new water filtration system with his two girls.

Tennessee and Kentucky Homeowner Commitments

The homeowner provides a location for the system in the home, basement or garage that is insulated enough to keep the system from freezing in winter. If such a location is not available and the homeowner is financially able, he builds an insulated building for the system. However, WPC will build this building and cover its costs, if necessary. The homeowner providing the shelter for the equipment allows more WPC funds to pay for water treatment systems for others.

The Homeowner learns Operation and Maintenance (O&M) during lessons given while the system is being installed. Further guidance is available on request. Homeowners provide O&M during the year to ensure that the system operates at peak performance. We ask the homeowner to sign a waiver of liability. We also ask homeowners to refer others with water problems and to allow others to see their system.

Living Waters for the World through Westminster Presbyterian Church Responsibilities and Costs

Water treatment equipment and installation are supplied at no cost to the homeowner as a mission of WPC. Please see the above paragraph under “Homeowner Commitments for WPC’s Responsibilities and Costs” to provide a shelter to house the treatment equipment if it is necessary.

Following construction of the system, our team will disinfect the water lines between the treatment system

“...so many people in this area need what you do. I thank God everyday that you found me and gave my family so much. I sincerely thank you and everyone from your congregation for helping me and my family and (I know) those who you come to help in the future will be truly grateful.”

- Ethan Russell, Macon County resident

and home water faucets, showers, bathtubs and water heater. This eliminates bacteria existing in the water lines in the home. (Note: This action should also be done anytime that the treatment system is bypassed for whatever reason by the homeowner.) After the system is disinfected and flushed, and the treatment system is activated, bacteria samples will be taken as a final check on the integrity of the treatment system.

An Operations and Maintenance Manual (O&M) is provided to the homeowner. Our team will instruct the homeowner in the O&M of the system with hands-on instruction to/by the homeowner with reference to the O&M manual. Future guidance via phone/text/email and maintenance visit is provided by WPC if needed.



Tim Cole, Westmoreland, TN.