



Hardin County, TN – Water

Project Location: Hardin County, TN

Team Members Needed: Please see description and responsibilities of team members needed (at a minimum):

1. Responsible Engineer in Charge (REIC) – *Four years of professional experience and have a PE in the state of Tennessee*
2. Quality Assurance Manager (QAM) – *Four years of experience*
3. Project Lead

Project Background: A community in Hardin County, Tennessee, has a water source that is contaminated with PFAS and PFOA. A water supply system that utilizes this water source serves over 8,000 residents, and consists of 2,976 connections, with roughly 150 miles of water lines. In addition to supporting full-time residents, the system also provides water for a large tourist population, drawn to the town due to the Tennessee River.

Some steps have already been taken for providing a solution to the contamination problem, with the EPA bringing a mobile filtration lab and piloting a reverse osmosis system. This lab will study which filtration system is the most appropriate. This study began in the spring of 2024, and is projected to take six months to complete.

Description of the Community: The community is located in the southern half of Hardin County, with a median household income well below the state average, and a higher than average poverty rate. The community will benefit from CECorps's participation in this project as, in addition to having clean, uncontaminated water, their utility expenses will not have to increase. The water systems serve many demographics, including students aged kindergarten through eighth grade, elderly individuals who are on a fixed income, and tourists, who provide a valuable financial resource for the community.

Project Scope of Work: A Preliminary Engineering Report will need to be completed, informed by the findings of the EPA's mobile filtration lab. This will provide a detailed overview of designs, an alternatives analysis, cost estimates, and other relevant information, and will be critical for the community's grant application.

Timeline: The project's timeline is contingent on the completion of the EPA's mobile lab study. An additional six months is budgeted for CECorps to complete its PER, so the community is hoping to be able to pursue grant funding by the summer of 2026, and to have construction completed by the summer of 2027.

Contact: For more information, please submit all inquiries to CECinfo@ewb-usa.org.