

## CTI Engineers, Inc. Selected for City of Cookeville Water Treatment Plant Upgrade Project



CTI Engineers, Inc. (CTI) has been selected to design the latest upgrades to the City of Cookeville, TN Water Treatment Plant.

As the plant nears 80% of its current production capacity, the City must plan for the growing community and continue

to ensure its residents and surrounding service providers have access to clean drinking water.

This latest upgrade with an expected cost of \$15 million will expand the plant from 15MGD to 22.5MGD.

The Tennessee Department of Environment and Conservation (TDEC) requires a public water system to address the need for expanding their water treatment design capacity when the system reaches 80 percent of its design capacity.

This plant upgrade will be the largest expansion since the City doubled the plant capacity in 1983.

Over the years, Cookeville has completed numerous upgrades to the plant following a Water Plant Land Use and Expansion Plan completed by CTI in 2005. This plan provided an overall view of how the campus could develop and different options for expansion. The City has followed the plan

closely and is now undertaking Phase III of the Water Treatment Plant Expansion.

For Phase I of the project, the City upgraded the raw water intake pumps in 2009, increasing capacity to pump to town.

In 2010, the City and CTI completed a \$7 million project to design an additional clearwell, upgrade the electrical system and install new high service pumps to ensure the plant was prepared for the third phase of the project.

During this project, CTI will incorporate design configurations that will also allow for the anticipated need to expand to 30MGD as the service population increases.

### About CTI Engineers, Inc.:

CTI is an employee-owned civil engineering consulting firm headquartered in Chattanooga, Tennessee with offices in Ohio and Georgia. The firm specializes in water and wastewater treatment. For more information, visit [www.ctiengr.com](http://www.ctiengr.com)

