

Project Data Sheet

Project

Covered Storage Tank for City Water Supply

Location

Grain Valley, Missouri

Client

City of Grain Valley, Missouri

Contractor

USA Tank, Seneca, Missouri

Completed

August, 2003

Tank/Dome Diameter

74 feet/22.56 meters

Tank Height

24 feet/7.32 meters

Tank Volume

774,000 gallons/2930 kiloliters

Consulting Engineering Firm

**Akin, Gordon & Cowger
Liberty, Missouri**

Project Background

The City of Grain Valley, Missouri, a community located on the Eastern edge of the Greater Kansas City area, has experienced impressive growth over recent years. The population has doubled — to 9,000 residents — which stressed the existing water supply.



To meet growing demand, the City erected a 774,000-gallon bolted steel water storage tank from Columbian TecTank. With this particular project, timing was critical because the Kansas City Metropolitan area was in the midst of a severe drought. The tank installation was completed in two weeks.

One unique element of this project was the use of an aluminum dome cover. This structure was designed and fabricated in Columbian TecTank's Parsons, Kansas facility. The aluminum beams and skin were delivered for field assembly.

Upon completion, the entire 5-ton frame was "flown" into place on the tank at sunrise on July 22 by a crane from Belger Cartage Service, Inc. The erection crew from USA Tank aligned and secured final placement. The completed tank was shown during several local newscasts that were reporting on emergency water rationing in the Grain Valley area.

Columbian TecTank

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