



Middle Tennessee State University Dairy & Experiential Learning & Research Center Murfreesboro, TN



Description of Work:

The new MTSU Dairy Farm, located on over 400 acres on Guy James Road in Murfreesboro, consists of a 20,000 square foot milking and housing facility supported by a 9,000 square foot farm maintenance shop, a 5,500 square foot hay barn, a 1,300 square foot , six bay commodity barn, two 4,000 bushel grain bins, and a new 2,700 foot concrete road to access the new barn.

The dairy's features include a cow hospital and working facility, a double-eight parallel milking parlor with rapid-exit gates that can milk 16 cows at a time and a computer-controlled milking system with individual cow-ID and cow-activity measurements, real-time milk weights ,and milk-quality measurements. The milking system includes an in-line heat exchanger to precool the milk to 58 degrees before it enters a 2,000-gallon bulk tank, that further cools the milk to 38 degrees. The milking parlor is also flushed with a deck spray and two 750 gallon flush tanks that utilize the spent water from the heat exchanger to irrigate crops raised to feed the cows.



Project Owner/Contact:

Earl Bogle,
Tennessee Board of
Regents
(615) 904-4767

Completion Date:

September 1, 2011

Completed Contract Value:

\$2,881,800

