

# MOUNTAIN CREEK REGIONAL WASTEWATER SYSTEM

Began Service: 2005

Location: Midlothian

Treatment Capacity: 4.5 MGD



The Mountain Creek Regional Wastewater System provides regional wastewater transportation\* and treatment services for all or portions of four cities. The system includes a 4.5 MGD treatment plant located in the city of Midlothian, as well as a lift station, force mains, gravity wastewater pipelines, and metering facilities. The Authority owns, operates, and maintains the regional pipeline facilities and the biological treatment plant utilizing an activated sludge process, and advanced tertiary filtration. Disinfection of the treated wastewater is achieved through exposure to ultraviolet lamps. The waste solids are dewatered through a belt press unit and disposed of offsite in a landfill.

Growth in the MCRWS customer base necessitated adding a 7.0 MGD peak flow storage basin and a 6.0 MGD expansion, which is in the construction phase.

## CUSTOMERS

- Grand Prairie
- Midlothian
- Mansfield
- Venus

\*Transportation denotes the movement of wastewater through pipes from customer cities to the treatment plant.