

AGENCY PRESENCE IN THE NORTH BOSQUE RIVER WATERSHED

Agency/Entity: Texas Institute for Applied Environmental Research (TIAER) at Tarleton

Web Address: <http://tiaer6.tarleton.edu>

Brief Introduction: The Texas Institute for Applied Environmental Research, as part of Tarleton State University, conducts scientific, economic, and policy inquiry to develop economically viable strategies and policy recommendations for pollution abatement, environmental enhancement, and efficient use of natural resources.

Agency/Entity Capabilities:

- Experienced staff perform ambient water quality, biological, stormwater, soil sampling, and streamflow monitoring and data collection
- Analytical laboratory performs water chemistry and bacteria analyses for nutrients, sediments, fecal coliform, *E. coli*, and other waterborne constituents.
- Research staff of aquatic biologists, environmental engineers, rangeland managers, and soil scientists experienced in statistical analysis of soils and water quality data
- Research economists versed in agricultural costs and benefits
- Research team with expertise in policy development and recommendations regarding agriculture and water quality
- Researchers with expertise in development and application of watershed loading and hydrologic/water quality models

Current Involvement in North Bosque River Watershed Projects:

- [Dairy Manure Export Support \(DMES\)](#)
- [Demonstrating New Programs for Resolving Agricultural Runoff Problems](#)
- [Refinement and Application of the North Bosque River TMDL Modeling System](#)
- [Compost Effectiveness Monitoring in the North Bosque and Leon River Watersheds](#)
- [Dairy Waste Management – Phosphorous Reduction Demonstration Project](#)
- [Water Quality Data Coordination](#)
- [Demonstrating APCO](#)
- Monitoring and technical support on the TSSWCB 319(h) project titled Technical and Financial Assistance to Dairy Producers and Landowners of the North Bosque River Watershed