Irrigation District Engineering and Technical Assistance

Eric Leigh, Guy Fipps P.E., Martin Barroso, and Noemi Perez
http://idea.tamu.edu
Department of Biological and Agricultural Engineering

Seepage Loss Testing
Loss rates were measured on lined and unlined canals using the ponding method. In this method, the two ends of a canal segment are closed or sealed with earthen dams.

Continuous-stage level recorders and manually read staff gauges are used to record the drop in the water levels.

Canal Lining Evaluations
Alternative solutions to pipeline such as this lining material are starting to be evaluated and tested for ease of application and durability.

Evaluating Leaks
Small leaks like these can add up to be a significant source of water losses.

Spill Monitoring

Flow Management
Calibrating gates to help maximize head pressure at the farm turnout while decreasing operational spills.

GPS Surveying and Workshops

The Texas A&M University System
Texas Cooperative Extension