WATER ENVIRONMENT FEDERATION

WILLIAM D. HATFIELD AWARD

...to recognize an operator of wastewater treatment plants for outstanding performance and professionalism.

Tim Morgan

Tim Morgan joined the Trinity River Authority (TRA) of Texas in 1987. He began his career as a Maintenance Mechanic-I at the Ten Mile Creek Regional Wastewater Treatment Plant. During his tenure with TRA, he has enjoyed the challenge of serving in numerous roles that include senior maintenance mechanic, senior instrument technician, electronic chief and his current position, technical services division chief. Mr. Morgan holds various certifications and licenses that include Class "B" Wastewater license, Class "B" Air Conditioning and Refrigeration Contractors License, Certified Control Systems Technician level III, Certified Fiber Optic Technician and (NASSCO) PACP/ MACP certifications. He is a member of the Water Environment Federation, International Association of Automation and the Fiber Optic Association. He received his BAAS in Applied Technology from University of North Texas (Denton, Texas).

As the electronic chief, Mr. Morgan was responsible for all matters pertaining to the Technical Services Department at the Ten Mile Creek plant, including maintenance of the process control systems, HVAC systems and collection system. During his tenure, he was instrumental in designing a new process control system from the ground-up that would eventually monitor or control much of the plant's operations. The new PCS system featured 40 PLCs networked over a redundant fiber-optic backbone.

During his career at TRA, he was tasked with developing and implemented a CMOM program for TMCRWS. The program was structured around utilizing the most cost effective means to reach the desired results. Both contracted and in-house resources were blended together to achieve the programs goals within the existing budget. This approach produced a very cost effective maintenance program with low capital outlays.

Mr. Morgan served as the team leader in the first phase of TRA's wireless implementation project that ultimately led to connecting over 130 northern region collection system meters to a wireless data management system. This system has proven to be of tremendous value, allowing TRA to view data and published reports very rapidly. The system also allows potential problems to be identified and resolved more efficiently.

Mr. Morgan is currently the division chief for TRA's pipeline repair and maintenance division. He is responsible for supervising, planning and coordinating the maintenance activities related to the collection system pipelines located in TRA's northern region. TRA's northern region consists of five regional wastewater treatment plants with over 350 miles of interceptor with pipe sizes as large as 110 inches in diameter, serving all or part of 30 cities in north Texas.

He has also been very active in WEAT, serving as the Operations and Maintenance committee chair from September 2012 to January 2014. Under his leadership this committee became very active, contributing several technical articles to the *Texas WET* publication including articles highlighting utility employees from across the state.