

WATER ENVIRONMENT FEDERATION

OUTSTANDING SERVICE AWARD

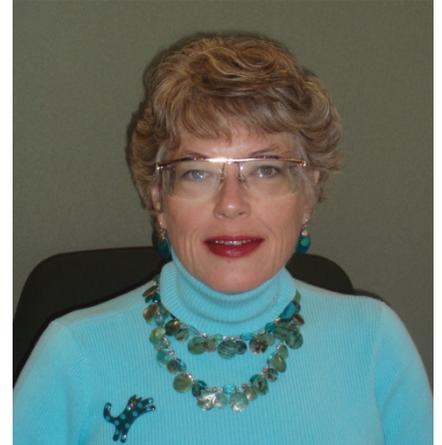
...recognizing an individual who has made outstanding contributions to the water environment profession and to the Federation and its Member Associations.

Betty L. Jordan

Betty Jordan is currently serving as the President of the Water Environment Association of Texas (WEAT) and as a member of the Water Environment Federation's Board of Trustees.

Born in Fort Worth, Texas, Betty has been a trailblazer in this industry since graduating from the University of Texas at Arlington with her Bachelor of Science in Biology (1976), Bachelor of Arts in Chemistry (1977), and Master of Science in Civil Engineering (1979).

In 1980, Betty joined Alan Plummer Associates, Inc. (APAI) and currently serves as Manager of Technology, Principal, and member of the Board of Directors. As the Manager of Technology, Betty mentors young engineers and works with others in the firm to ensure that the company carefully evaluates new technologies and incorporates them into solutions for clients as appropriate. In her 30 years with APAI, Betty has worked in a variety of environmental engineering areas including water, wastewater, water reuse, odor, pretreatment, and permitting. But Betty is fond of telling people – my heart is really in sewage! A popular speaker, she can relate to elementary school students, YPs, and even the OFs in our industry. Her efforts have garnered her recognition with several industry associations including the Water Environment Federation, AWWA, and WEAT.



Winner of the Arthur Sydney Bedell Award, Betty has been actively involved in both the North Texas Section of WEAT and the state association. She has served in officer positions and has been an active member of the state program committee since the 1980s, helping organize and develop the programs for many specialty seminars.

She is a passionate fund raiser for Water for People and received WFP's Kenneth J. Miller Award in 2007. Recently, she was the key note speaker at the Stockholm Junior Water Prize Competition passionately challenging students, after her presentation on Water for People, not to settle for being brilliant and educated – but to look beyond themselves and to use their talents to make the world a better place for their having been there!

Betty lives with the two most spoiled cats in the universe. She is actively involved in her church and the local classical music scene and loves to travel both domestically and internationally. She also loves to cook and prepare elaborate gourmet dinners for fun evenings with friends and family. [AND YES, YOU CAN BID ON ONE OF THESE DINNERS AT THE WFP SILENT AUCTION.] Betty attributes much of her success in our industry to having had the encouragement of two great cheerleader parents and having had the privilege of working for Alan Plummer who led by example and encouragement and sometimes a little motivating pressure.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

MUNICIPAL WASTEWATER TREATMENT PLANT OF THE YEAR Category 1 (<1 MGD)

...presented to a municipal wastewater treatment plant in Texas that has consistently exhibited outstanding performance of daily activities beyond the normal call of duty.

Peninsula Water Reclamation Plant Upper Trinity Regional Water District

The Peninsula Water Reclamation Plant (WRP), an advanced treatment facility with a capacity of 0.94 MGD is owned and operated by Upper Trinity Regional Water District (UTRWD). The facility is located between the cities of Oak Point and Cross Roads in Denton County, north of the Dallas/Fort Worth Metroplex. The plant discharges into the Cantrell Slough, before flowing directly into Lewisville Lake - a major source of drinking water for the North Texas area. As a result, its discharge permit ranks among the most stringent in the region. The UTRWD ensures that the effluent is of an exceptionally high quality.

The treatment process begins with fine screen pre-treatment and grit removal followed by activated sludge and final clarification. Final effluent polishing is provided by filtration and ultraviolet disinfection prior to discharge. There are two primary operators and one superintendent who staff the Peninsula plant on a part-time basis. Other operators provide coverage on an as-needed basis. The superintendent and one of the primary operators are certified by the TCEQ as Class A Wastewater Treatment Plant Operators. The second primary operator is a certified Class B Wastewater Operator. UTRWD also has another Class A Wastewater Operator on staff, who is available for consultation at all times. The Peninsula WRP is staffed part time with shifts from 6:00 a.m. to 6:00 p.m., seven days a week. During the hours when the plant is not actively staffed, it is monitored by SCADA at the District's Regional Water Treatment Plant. All operators are on-call at all times. Maintenance for all UTRWD facilities is performed by a centralized maintenance department. Safety at the Peninsula WRP is taken very seriously. Safety meetings and tailgate talks are held on a regular basis and all injuries are investigated thoroughly. A supervisor's report must be submitted following any injury, which describes the nature and cause of the accident and makes recommendations for preventing the same incident from occurring in the future. There have been no lost-time injuries since the plant was placed in service in 2003.



The Peninsula WRP campus was designed and constructed to blend in with the mostly rural area in which it is located. Existing trees and the natural grades and vegetation were incorporated as much as possible. Housing developments for which the plant was constructed are now beginning to fill what were vacant areas surrounding the plant. With that in mind, UTRWD included a state-of-the-art upgrade to its existing odor control system and noise abatement as part of the plant expansion to better insure that odors and noise are not nuisances to its new neighbors.

BOD and TSS are regularly removed to the non-detect levels, ammonia to 0.2 mg/L and phosphorous to 0.5 mg/L. As a result, the Peninsula WRP was awarded a coveted Platinum Peak Performance Award from the National Association of Clean Water Agencies (NACWA) for 2008, recognizing five consecutive years of perfect compliance with its TPDES permit. The Peninsula staff continues to maintain this perfect compliance. In fact, there has not been a permit violation at Peninsula since the plant was placed in service in 2003. Combine this achievement with an outstanding safety record and the Peninsula WRP is a model for wastewater facilities of any size.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

MUNICIPAL WASTEWATER TREATMENT PLANT OF THE YEAR Category 3 (>15 MGD)

...presented to a municipal wastewater treatment plant in Texas that has consistently exhibited outstanding performance of daily activities beyond the normal call of duty.

Central Regional Wastewater System Trinity River Authority of Texas

The Trinity River Authority's Central Regional Wastewater System is a Category #3 system with a rated capacity of 162 million gallons per day. TRA pioneered the concept of regional wastewater treatment by establishing the Central Regional Wastewater System in 1957. The plant began operations in December 1959, serving the cities of Irving, Grand Prairie, Farmers Branch, and a portion of western Dallas in Texas. The system has since expanded to serve all or part of 21 contracting parties and approximately 1.2 million people in the Dallas/Fort Worth geographical area.

CRWS includes a treatment plant, located in Grand Prairie, and more than 200 miles of collection system pipelines. This regional treatment facility is one of the largest and best-operated plants in the state of Texas. The system's staff works with continuously upgraded state-of-the-art technology throughout the water reclamation process to produce clean, clear effluent that improves water quality in the Trinity River.



CRWS is capable of providing complete treatment for monthly average flows of 162 MGD, daily maximum flows of 335 MGD, and a daily 2-hour peak flow maximum of 405 MGD. During the treatment process, biological oxygen demand, suspended solids and ammonia nitrogen are reduced by 99 percent. The Central plant has the mechanical dewatering capability of processing 232 dry tons of biosolids daily.

CRWS has a total of 46 TCEQ-certified operators on staff including 13 with "A" certifications. Well qualified operations, maintenance, and management personnel are the primary reason that CRWS has a long history of 100% compliance with its National Pollutant Discharge Elimination System permit.

CRWS' record of permit compliance is best illustrated by the Peak Performance Awards the system has earned from the National Association of Clean Water Agencies (NACWA). CRWS has achieved 100% permit compliance continuously since 1994 resulting in numerous Gold and Platinum Awards from the National Association of Clean Water Agencies. NACWA honors those agencies that have achieved 100% permit compliance for the previous year with Gold Awards. NACWA's prestigious Platinum Award recognizes 100 percent compliance with NPDES permits over a consecutive five year period. Platinum Award status continues, year after year, as long as 100 percent compliance is maintained.

In 2009, Central Regional Wastewater System received a Platinum Award for an astounding 16 years of 100% compliance with the system's permit limits. During this time period, CRWS has discharged over 800 billion gallons of highly treated effluent into the Trinity River with no violations of its state or federal permit. CRWS is one of only 14 systems nationwide to achieve 100% compliance for 16 or more years. CRWS is one of only a few large, advanced wastewater treatment facilities treating over 100 MGD to have obtained this sterling record of compliance.

In an effort to promote awareness, impact behavior and promote compliance with safe practices, safety awareness and education permeates every aspect of daily work life at Central Regional Wastewater System. A multifaceted Safety Education Program, beginning with day one of employment at CRWS and continuing for the duration of an employee's tenure, strives to ensure the safest possible work environment. CRWS maintains a sterling safety record with only 1.5 lost-time incidents per 100 employees in the year 2008. The CRWS Operations Challenge Team, the CreWSers, is the most successful WEF/WEAT operations challenge team in the history of the state of Texas. The CreWSers won their fourth national championship in the top division at the 2009 Water Environment Federation national competition in Orlando, Florida after taking first place in the State competition earlier in the year. The CreWSers have won 12 consecutive Texas State Operations Challenge Championships from 1998 to 2009.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

EMERGING LEADER AWARD

...presented to a young member of WEAT who has provided outstanding service in support of the Association in the form of committee involvement, recruiting, volunteer time, event participation, or other contributions.

Meera D. Victor

Meera Dhruve Victor graduated from Maharaja Sayajirao University, India in 2000 with a B.S. Civil Engineering. She then earned a M.S. in Civil/Environmental Engineering from University of California, Los Angeles in 2002. After graduation, she worked for MARRS Services, Inc. on various water/wastewater projects in California. In 2005, she joined Carollo Engineers in Dallas as an Environmental Engineer. She became a licensed engineer in the State of Texas in 2006.

Ms. Victor's professional experience at Carollo Engineers includes design, project management, and construction management of various water and wastewater treatment projects. She is currently serving as Project Manager for the North Texas Municipal Water District (NTMWD) Regional Water Treatment Plant – Plant I & II Chlorine Scrubber Facilities and the NTMWD Floyd Branch Wastewater Treatment Plant - UV Disinfection Facility Addition.

Meera has been an active member of Water Environment Association of Texas since she moved to Texas in 2005. She has been a passionate supporter of Water for People. In 2007 she chaired the Silent Auction at Texas Water in Fort Worth. She has organized a number of fund-raising events both within Carollo and WEAT, including the Annual Bingo Night for North Texas Section of WEAT.

In 2007, she accepted the position of Chair of the WEAT – North Texas Chapter Young Professional (YP) Committee. As the Chair of YP committee, she encouraged involvement of YPs in various WEAT/WEF events and also organized a number of networking and social outings for the YPs.

In 2008, she became a non-voting member of the WEAT Executive Committee when she volunteered to serve as a Co-Chair for WEAT – Specialty Conference. As a Specialty Conference Co-Chair she spearheaded the start of WEAT webinars and also helped organize several specialty conferences on water environment topics. These webinars and specialty conferences are critical in developing income for WEAT and furthering WEAT's goal of public education on water environment topics. Meera has been a regular volunteer for WEAT activities, including WEAT – North Texas Section Science Fair Judging and WEAT – North Texas Section annual picnic. Additionally, Ms. Victor was sponsored by Betty Jordan to join the WEAT Long Range Planning Committee in 2009 and attended their 2009 meeting in Lewisville. She is actively involved at national level in WEF – Water Reuse Committee and Young Professional Committee.

As a member of WEF – YP committee, she helped reviewing abstracts for WEFTEC 2009. She also served as an Assistant Moderator on several YP and Water Reuse sessions at WEFTEC 2009



WATER ENVIRONMENT ASSOCIATION OF TEXAS

SIDNEY L. ALLISON AWARD

...to a person or organization that has made significant contributions to the engineering, science, and/or operation and maintenance of wastewater collection and pumping stations with the mission to transport wastewater to a treatment plant.

North Texas Municipal Water District

The North Texas Municipal Water District (NTMWD) provides regional treated water supply and transmission, wastewater collection and treatment, and solids waste disposal services to a broad area in North Texas. The NTMWD Regional Wastewater System Members are: Allen, Forney, Frisco, Heath, McKinney, Mesquite, Plano, Princeton, Prosper, Richardson, Rockwall, and Seagoville. The Regional Wastewater System Customers are: Fairview, Melissa, and Parker. The Sewer System Participants are: Crandall, Farmersville, Fate, Frisco, Lavon, Murphy, Rockwall, Royse City, Seis Lagos, and Wylie.

The NTMWD has provided wastewater treatment services to its participating cities since 1972, when the NTMWD assumed operations of Plano's Rowlett Creek Wastewater Treatment Plant. The first wastewater facility built and operated by the NTMWD was the small, specialized, high quality, Rush Creek Treatment Plant in Rockwall. Today, the NTMWD owns and operates four regional treatment facilities that provide secondary and/or tertiary level treatment. In addition to the regional facilities, the NTMWD operates 14 smaller treatment plants that are included in the NTMWD Sewer System.



In the process of ensuring safe conveyance of the wastewater to state-of-the-art regional treatment facilities, the NTMWD maintains 202 miles of transmission pipelines ranging in size from 8" to 60" in diameter. In addition to the treatment facilities and conveyance system, NTMWD also operates 20 lift stations strategically located in the service area. The NTMWD currently utilizes 154 employees dedicated to the operations of the wastewater system, 8 employees focused on the transmission system, and several others who provide additional support in other departments.

The NTMWD Regional Wastewater System and Sewer System treated over 32 billion gallons of wastewater during the 2008-09 Operations Year (October 2008-September 2009). Of the total wastewater treated, 18 percent received treatment through the NTMWD Sewer System, while the remaining 82 percent received treatment at one of the four regional wastewater treatment plants.

Droughts, population growth, and the knowledge of water as a finite resource have necessitated the development of wastewater reuse strategies by the NTMWD. These wastewater reuse strategies help to reduce the release of nutrient-rich effluent into waterways and assist in augmenting raw water supplies to meet current and future water demands. The NTMWD has completed the largest constructed wetland in the United States. This wetland reclaims water from the East Fork of the Trinity River, polishes or cleanses it utilizing aquatic plants, then transfers the polished water to Lavon Lake for blending and storage to augment water supplies used for treated drinking water. In addition, several of the NTMWD wastewater treatment plants provide effluent to neighboring golf courses for irrigation purposes. Wastewater reuse provides a beneficial purpose, a conservation measure, and a reliable alternative water use from wastewater effluent or reclaimed water.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

OUTSTANDING MUNICIPAL OPERATOR OF THE YEAR

...presented to a municipal wastewater treatment plant operator in the State of Texas who has demonstrated outstanding professionalism at his/her facility and has performed his/her duties tirelessly and with dedication to the betterment of the water environment.

Raudel Juarez

Mr. Raudel Juarez began his career in wastewater in 2000 as an introductory employee at the Ventura Regional Sanitation District in Ventura, California. In 2002, he obtained his Class II Wastewater License and was promoted to Operator II in 2003. He worked at two different sequential batch reactor plants, with advanced activated sludge, performing nitrification and denitrification until 2005.

On December 12, 2005, Raudel joined the Trinity River Authority's Central Regional Wastewater System as an Operator II. He quickly obtained his Class B Wastewater License and was promoted to Senior Operator. In this position he was responsible for training on his shift as well as Hazmat training, day-to-day activities of the operators. As Senior Operator, Raudel is responsible for plant operations in the absence of the Chief Operator. Raudel's talents were soon noticed and he was charged with overseeing construction projects. In this capacity, he works with engineers and contractors to plan and coordinate construction. He has played an integral part in reviewing designs and attending numerous meetings during each construction phase. He has seen and has been a major player in the plant going from 162 MGD to eventually 189 MGD.



In 2006, he joined the CReWSers, TRA's Operations Challenge team, and became team coach. As coach, he was the backbone of the team. Under his leadership, the CReWSers won National Championships in the Operations Challenge in 2006, 2008, and 2009. He also competed in several demonstrations and invitation competitions.

Raudel is a devoted family man. He and his wife, Cecilia, have three wonderful children. He supports his children in their various sports' activities by volunteering his time coaching. He is also involved in his church's activities as a leader and teacher in several capacities.

He is an avid outdoorsman, whether it is taking his children fishing at the local pond or hiking the hills of New Mexico with his father to hunt for mule deer. Raudel is a member of WEAT and WEF. He attends North Texas sections' functions.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

RECRUITMENT AWARD

...recognizing a member of WEAT for his outstanding recruitment effort.

Sharon Miller

Sharon Miller is a registered Professional Engineer in the States of Texas, Nebraska, and Oklahoma, holds a Grade Four Nebraska Wastewater Treatment Plant Operator License, and is a certified NASSCO PACP operator. She received a Bachelor of Science degree in Civil Engineering and a Masters of Science degree in Environmental Engineering, both from the University of Nebraska. Yes folks, she is a Cornhusker in Texas territory.

Prior to coming down to Texas, Sharon worked 12 years for the City of Omaha, Nebraska as a plant engineer. She was responsible for all design and construction, whether capital or O&M funded projects, for three wastewater treatment plants, force mains, rehabilitation of over 70 lift stations, and the City's flood protection system (levee and flood wall). In addition to design and construction activities, Sharon participated in training of O&M staff, assisted with troubleshooting and operations of systems, participated in water festivals, spoke at local schools about wastewater treatment, and provided numerous tours of the wastewater plant to schools and other organizations.

Sharon moved to Texas in 2008 to take a job as a Project Manager with HDR Engineering in Dallas, TX. Or as her operators put it before she left Omaha, moving to the dark side. She is on the pretreatment and odor control technical practice committee for HDR, where she participates in establishing best management practices, fact sheets, and design guides on these topics for HDR employees. She has worked on a variety of projects for College Station, TRA, Mustang SUD, Waco, and Commerce, and really enjoys meeting a variety of people, learning about how others treat their wastewater, and assisting municipalities. Sharon was actively involved in the Nebraska MA, and was a board member in the Director-At-Large position upon her departure. She was instrumental getting NWEA involved as a regional partner in the World Water Monitoring Day (WWMD) program, applying for and receiving an educational grant to allow NWEA to disseminate test kits at no charge. Brad Castleberry was instrumental in getting her involved with WEAT as soon as she arrived. It wasn't too long before Brad took Sharon's enthusiasm and placed her as co-chair of the membership committee. Sharon continues to work with the Section Reps to focus on WEAT membership services.

In addition to WEAT activities, Sharon is actively involved at WEF. She is on the WEF PCOC committee, and is chair of the publications subcommittee. All those brochures and flyers you order from WEF are developed from this committee. She participates in the WWMD committee, as well as being a North America judge for the WWMD Water Champion Award – the first annual award was presented at the end of March. Sharon has been actively involved in the Water is Life subcommittee, developing the materials you see as part of the WIL program. She participates on the WEF's Air Quality and Odor Control Committee as well, and has participated as a co-chair in workshops at WEFTEC.

Sharon, and her husband Phil, have two active children – Chloe who is 7 years old and Philip who is 5 years old. In her spare time, she assists in coaching her children at soccer and baseball, is crew chief for her husband's dirt track racecar, and is the PTA chair of her daughter's school Environmental Club.

You can tell that Sharon is very passionate about her work in this industry. WEAT wishes to recognize, thank, and congratulate Sharon for her continued service.

