



WATER ENVIRONMENT FEDERATION

WILLIAM D. HATFIELD AWARD

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

Larry Rowe

Mr. Rowe has dedicated his entire professional life to the wastewater industry. In 1984, Mr. Rowe began his career at 11-MGD Pecan Creek Wastewater Treatment Plant as an apprentice. A year later, after obtaining his “D” and “C” class wastewater operator license, he was promoted to the operator’s position. The following year, due to his dedication, eagerness to learn, and interpersonal skills, he was promoted to a supervisor’s position, where he led five plant operators. In this position, he also managed the Plant’s solids operating budget, including identifying needs for major equipment, purchasing of services and materials, and evaluating cost saving measures.

After four years, Mr. Rowe sought more challenges. His dream was to contribute to operation of a big plant. In July 1988, Mr. Rowe was hired by the City of Dallas as an operator of the 110-MGD Southside Wastewater Treatment Plant (SWWTP). At this large advanced activated sludge plant, which also processes bio-solids from both City of Dallas wastewater treatment plants, Mr. Rowe found his passion. He quickly learned the Plant’s bio-solids processes and started suggesting improvements, which decreased usage of electricity, chemicals, and manpower. He proposed modifications to the handling process of undigested sludge coming from Central Wastewater Treatment Plant (CWWTP). For this innovation, Mr. Rowe was recognized by the City of Dallas Employee Incentive Program and, as the first in this facility, received a very prestige program award. In 1994, Mr. Rowe was promoted to the shift supervisor position, and two years later, he was promoted again to the rank of Solids Section Supervisor. In this position he supervised up to 45 plant operators. As a Solids Section Supervisor, Mr. Rowe was responsible to meet the state permit requirements by producing class B sludge parameters as directed by the state permit requirements. He always was very instrumental in a design, construction, and start-up of several projects at SWWTP including gravity belt thickening facility, digestion expansion and acid phase digesters, new dewatering facility, side-stream treatment, and process control/ SCADA system improvements. Mr. Rowe was also fully responsible for several performance, acceptance, and pilot tests, which include polymer performance trials for the sludge dewatering process, functional testing of acid digesters, and a full



scale pilot test for the high concentration ammonia removal. Besides the capital improvement projects, Mr. Rowe recommended numerous in-house improvements, which included application of new instruments for the process control and installation of new piping to give more operational flexibility.

In 2008, Mr. Rowe accepted a position of an Operations Manager at the CWWTP. CWWTP is an advanced activated sludge plant, with 150-MGD permitted flow. Mr. Rowe undertook this new position when the Plant was experiencing some challenges with biological treatment and needed a manager with a strong operational background and fundamental understanding of the treatment processes. Mr. Rowe immediately implemented necessary changes, which resolved a filamentous problem at the aeration basins and regulated air supply to perform the optimum biological treatment. He continues improving treatment processes by researching new ideas, piloting and applying new process control instruments and performing in-house enhancement projects.

At the present time, Mr. Rowe works closely with his 30 operators to continue flawless CWWTP operation. On a daily basis, Mr. Rowe reviews operational logs and reports of equipment conditions, studies laboratory's results, implements necessary changes to the process, analyzes flow factors and other conditions, which can impact the treatment process. Many times, operating the Plant becomes a challenge due to simultaneously undergoing capital improvement projects, which required removing facilities out of service, arranging numerous shutdowns, and putting operations of entire system under stressed conditions. Mr. Rowe is extremely knowledgeable about the both City of Dallas wastewater treatment plants' processes systems and facilities. Thus, he closely works with consultants and engineers and shared his practical experience and ideas. On many occasions, Mr. Rowe's proposed suggestions are implemented into designs. Mr. Rowe was very instrumental in a recently completed wastewater master plan. He profoundly assisted in evaluations of the existing facilities conditions and provided support in indentifying future capital improvements projects. Currently, he is assisting with a pilot test for the biological nutrient removal. Mr. Rowe was also instrumental in the reuse program, where effluent from the plant supplies water for the irrigation purposes for two City of Dallas golf courses and the zoo.



**WATER ENVIRONMENT FEDERATION
GEORGE W. BURKE, JR. AWARD**

...recognizing municipal and industrial wastewater facilities for active and effective safety programs.

**City of Fort Worth Water Department
Village Creek Water Reclamation Facility**

The Village Creek Water Reclamation Facility (Village Creek) is rated at 166 MGD, and receives wastewater from the City of Fort Worth as well as 23 surrounding communities and cities serving a population of over one million people. Village Creek employs 102 full time employees comprising the Operations, Maintenance and Instrumentation and Electrical Section, Technical Services, Environmental, Health & Safety and Administration. It is operated by 31 TCEQ licensed operators, 9 of which hold an “A” license.

The Training and Safety Program at Village Creek has three full time training specialists dedicated to the continuing education of operators and maintenance personnel. Anthony Bianchini joined the Village Creek in 2009 as the Division Safety Coordinator is in charge of administering the Safety Program. Anthony fulfilled all the State of Texas requirements for award of the grade “B,” waste water treatment plant operator certificate. Anthony also earned the designation of “Certified Safety Professional” (Board of Certified Safety Professionals), in addition of fulfilling experience and education requirements.

In Anthony’s 4 year tenure with the City of Fort Worth, a 75% decrease in workers compensation costs and been realized. In addition to that, employee safety training compliance is up from 13% to 95%.

Over the 4 months, Village Creek has had no lost time incidents.





WATER ENVIRONMENT FEDERATION

**OUTSTANDING SERVICE AWARD
OUTGOING WEAT PRESIDENT 2012-2013**

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

John Bennett

John Bennett has been employed by the Trinity River Authority (TRA) since the day after he graduated from high school. Originally hired as a seasonal grounds care employee for TRA's Central Regional Wastewater System (CRWS) on June 1, 1986, he was promoted to Maintenance Mechanic I on June 21 and then was promoted to the position of Chief Maintenance Mechanic just three years later. His skill, intelligence, and perseverance in this position have led to his reputation for being the person to get the job done. During his career, he has accrued a total of 1242 hours of TCEQ approved training hours and earned Class "A" Wastewater Certification in August of 2000. He graduated Phi Theta Kappa from Tarrant County College in Management in December of 2001. He is a past recipient of the V.M. Ehlers Scholarship and is currently pursuing an undergraduate degree in Management at Dallas Baptist University.



Mr. Bennett's leadership abilities resulted in him serving at a supervisory level in every maintenance related division within the TRA Central System's 162 MGD facility. He played a key role in the development of a very successful maintenance department and was instrumental in developing the plant's overhaul and machine Shop. With his extensive knowledge of the plant's operational processes and with a close working relationship with the operational staff, he provided numerous innovative ideas for changes to operational equipment design resulting in optimization of the treatment processes. After being selected in 2000 to develop and expand the personnel training program at the TRA Central plant, he worked closely with managers of the Operations, Maintenance, and Technical Services Departments to create training programs specific to the technical requirements of each, and those training programs have received Texas Commission on Environmental Quality (TCEQ) "Approved Provider" status. With his encouragement and support, two other CRWS personnel completed the training and became approved instructors as well. In 2003, Mr. Bennett was promoted to the position of Manager at the TRA Denton Creek Regional Wastewater Treatment Plant (DCRWS).

DCWRS is located in one of the most rapidly growing areas in the Dallas-Fort Worth Metroplex. Mr. Bennett has overseen three expansions of the plant from its original capacity of 2.5 MGD in 2003 to its current capacity of

11.5 MGD in 2013. The DCRWS plant's biggest challenge occurs three times a year while treating 100% of the flow from the Texas Motor Speedway during NASCAR sanctioned events. The impact of this flow includes high ammonia slug loadings near 100 mg/L and an approximate 30% increase in flow over average daily flow conditions. Under his leadership, the DCRWS staff has not had a TCEQ permit infraction during any NASCAR-sanctioned event and in 2012 the DCRWS facility was recognized with its fourth NACWA Platinum Award for eight years with no TCEQ permit excursion.

Mr. Bennett uses his 1242 hours of TCEQ approved training for the benefit of others in the water and wastewater industry. His knowledge of maintenance procedures and process control allows him to serve as a technical advisor not only to operators at TRA but also to operators state-wide. He served as a co-instructor at the Texas Water Utilities Association Short School for the Pump and Motor Maintenance Course from 1990 through. He became an approved instructor in 2000 for TCEQ accredited courses and in 2001 for First Aid/CPR with the National Safety Council. He has served as a volunteer instructor for the Utilities Safety Course at the Texas Water Utilities Association North Central Texas Regional School since 2000, and he organized a joint training and testing program that paired a 40-hours Wastewater Technologies Course with an on-site TCEQ testing day immediately following the training. The success of this program is apparent with 23 of the 32 attendees from North Texas earning Class "A" Certification. The pass rate for the training/testing days has been 72%, as opposed to the state average of 18% for the same time frame. According to TCEQ, this is the highest pass rate of any program statewide. In 2003, he volunteered as a subject matter expert for the TCEQ, analyzing job tasks of wastewater and collections systems operations. Additionally he teaches TCEQ and National Safety Council approved wastewater, safety, and instructor development courses statewide as a contract instructor for Eagle Training Resources. To date, he has trained over 225 people in First Aid CPR and 640 people in Confined Space Certification.

John Bennett joined the Water Environment Federation (WEF) and Water Environment Association of Texas (WEAT) in 1994. In 1995, he became the Trinity River Authority Operations Challenge team Captain. In 1999 John helped start WEAT's safety committee. In 2003, after retiring from the Operations Challenge Team, John became the state Professional Wastewater Operator (PWO) Chair. In his role, he was responsible for organizing and leading the Texas Operations Challenge Competition, held in conjunction with Texas Water every year. John served as Special Assistant to the WEF Competition Committee in 2004 and 2005 and was selected Chair of the local Competition Committee for WEFTEC 2006 in Dallas. In 2007 Mr. Bennett became active in the WEAT North Texas Section and has served as Vice President, President Elect, President and Past President. In 2011, he became the WEAT Board President and will end his term in April of 2013.

Awards and Honors:

WEAT, Outstanding Municipal Operator of the Year – 2003

WEF, William D. Hatfield Recipient – 2006

WEF, Arthur Sidney Bedell Award – 2011

WEF Fellow 2012

WEF Quarter Century Operator Club - 2013



WATER ENVIRONMENT ASSOCIATION OF TEXAS

MEDAL OF HONOR FOR HEROISM AWARD

...recognizing an individual who has demonstrated exceptional courage and bravery in the performance of a single act of heroic behavior toward his or her fellow man

Daniel Gonzalez Raudel Juarez Steve Price

Chief Operators Steve Price and Daniel Gonzalez, and Senior Operator Raudel Juarez all work at the Trinity River Authority Central Regional Wastewater System (TRA CRWS), and are responsible for the operations and safety of the 162 million gallon per day wastewater plant.

On March 27, 2012 the CRWS Control Room received an alarming telephone call from Stephanie Shultz, with CSS, that an individual had fallen into the wet well at Pump Station 6. Steve, Daniel, and Raudel reacted quickly to secure the station and initiate rescue operations. Steve immediately secured the pumps at Pump Station 6 to prevent the individual being pulled into a vortex, while Raudel and Daniel called first responders and worked in tandem to secure the gates at Pump Stations 6 and 6A, preventing the possibility of the individual being pulled into the opposite well at Pump Station 6A.



Upon arriving at Pump Station 6, Raudel and Daniel coordinated efforts with the first responders from Eagle to locate the distressed individual. Once the individual was located and secured, Daniel proceeded to secure the 110" valve gate at Pump Station 6 to isolate the well. Back at the control room, Steve continued to monitor the Pump Station's wet well and manipulate the pumps to protect the area and ensure the continued operation of Pump Station 6A to prevent backflow into Station 6.

Once Pump Station 6 was secured, Raudel and Daniel continued assisting first responders. Steve directed CRWS staff to guide the fire department to the accident location once they arrived at the front gate. Raudel led paramedics to the accident victim, who had been retrieved by Eagle's first responders at the bar screen area of Pump Station 6. With the arrival of several more ladder units and paramedics, Raudel and Daniel continued to assist with directions, while the fire department assumed command of the situation.

As a result of their expertise, calmness, professionalism, and excellent safety training, the trio performed in an emotionally charged situation and represented the Trinity River Authority in an extremely positive light. More importantly, by acting quickly and following their safety training procedures and they assisted in saving a life.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

LIFETIME ACHIEVEMENT AWARD

...presented to an individual who has demonstrated continual and tireless contributions toward the improvement of the water environment throughout a long and distinguished career in the wastewater treatment industry and in WEAT/WEF.

PEGGY W. GLASS, Ph.D.

Dr. Glass has been active in the water environment field for over 40 years. During this time, she has served in both the private and public sectors.

She received her Ph.D. from the University of Texas in Austin in 1969 with a major in chemistry and a specialization in analytical chemistry. She was subsequently hired by Forrest and Cotton, Inc., to direct their water quality laboratory and to assist with water quality management studies. There she developed a deep interest in the field of water quality and water resource supply and management, which continues to this day.

The intervening 44 years have seen momentous changes in the field of environmental management, and particularly water quality. Since 1969 the following have occurred:

- The Federal Water Pollution Control Act Amendments of 1972 was passed, which established the NPDES permitting system, required a minimum of secondary treatment, and required water quality management plans for all river basins.
- The Cuyahoga River no longer catches on fire.
- The Trinity River no longer experiences the “Black Rise.”
- The U. S. Environmental Protection Agency was established.

Dr. Glass feels very privileged to be part of the professional community that has achieved amazing improvements in the waters of the State and nation.



Dr. Glass' professional career includes leadership roles at the engineering firm of CH₂M Hill and at predecessor agencies to the Texas Commission on Environmental Quality (TCEQ). In addition, for seven years she had her own firm Glass Environmental Consultants, Inc. Since 1988, she has been with Alan Plummer Associates, Inc., a firm that is a leader in the field of water resource management, where she now serves as Chair of the Board of Directors.

Throughout her career, she has been an active participant in professional organizations. Some of her activities in this area include the following:

- Past Treasurer and past Conference Program Chair for the Water Environment Association of Texas (WEAT)
- Past President of the Central Texas Section of WEAT
- Member of National Association of Clear Water Agencies workgroups on issues related to water quality
- Past participant in several national Water Environment Federation (WEF) committees related to water quality standards and criteria and the WEF national conference program committee
- Member of the Board of Directors of the Western Coalition of Arid States
- Past President of the Texas Water Conservation Association
- Participant on current and past TCEQ committees on water quality standards and a previous committee on constructed wetlands
- Member of the Environmental Stakeholder Group that provided recommendations for the policy chapter of the first Senate Bill State Water Plan
- National President of the Association of State and Interstate Water Pollution Control Administrators Water Quality Management Planning Section, while at TCEQ
- Past President of the local section of American Chemical Society

One of her specialties is providing regulatory assistance with TPDES permits. In this capacity, she has worked with many cities, large and small, throughout the State. She has the pleasure of working with professionals in the field from Odessa, to Amarillo, to Texarkana, to Beaumont, to Corpus Christi – and many organizations in between including Dallas, Fort Worth, Austin, San Antonio, and Houston.

Dr. Glass has two daughters and two grandchildren, all of whom she is very proud.

In addition, she is active in service projects in Austin and internationally. She has participated in mission trips to Cuba and Zambia. She served as President of the local section of Soroptimist International, a professional women's service organization. She is currently Chair of the Board of Directors and mission team leader for Austin Samaritans, a non-profit organization that supports medical, educational, and rescue organizations that serve the needy in Nicaragua.

She also has an interest in aquatic biology – especially tarpon and peacock bass.



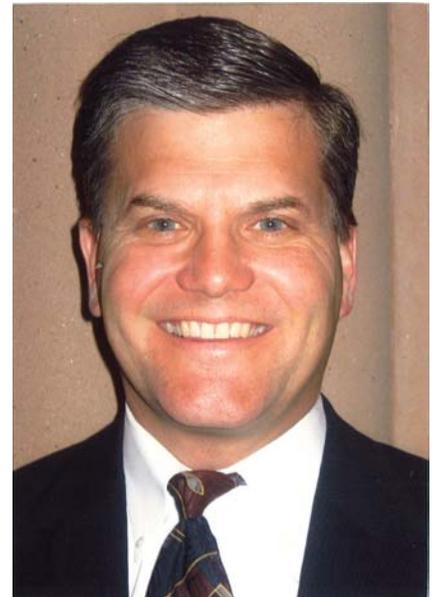
WATER ENVIRONMENT FEDERATION

ARTHUR SIDNEY BEDELL AWARD

...recognizing individuals who have made outstanding contributions to the water environment profession and to the Federation and its Member Associations.

JODY ZABOLIO

Jody Zabolio received his Bachelor and Master of Science degrees in Civil Engineering from Texas A&M University. He is a Registered Professional Engineer in the State of Texas. Upon graduation, he began his career with CH2M Hill working on a variety of water and wastewater designs and studies. In 1996, Jody went to work for the Fort Worth Water Department as the assistant to the Program Manager for a \$230 million program to upgrade the city's sanitary sewer collection system – the largest public works program that had ever been undertaken by the City of Fort Worth. He moved into operations in 1999 at Fort Worth's Village Creek Wastewater Treatment Plant as Manager of Technical Services. While there, he earned his Class A Wastewater Operators license. He also holds a Class A Water Operators license, allowing him proud member status in the "Double A Club."



In 2004, Jody moved to the Upper Trinity Regional Water District, where he is currently the Assistant Director for Operations. In this capacity, he is responsible for managing the operations of three water reclamation plants and two drinking water plants, which serve customer cities and utilities throughout Denton County. During Jody's tenure, two of the plants, the Lakeview Regional Water Reclamation Plant and the Peninsula Regional Water Reclamation Plant have been awarded WEAT's Municipal Wastewater Treatment Plant of the Year Awards; and Ron Lucero, then the Superintendent of the Lakeview Plant was awarded WEAT's Outstanding Municipal Operator of the Year Award. All three of the water reclamation plants have been the recipient of multiple Platinum Peak Performance Awards for excellence in operations from the National Association of Clean Water Agencies. The Thomas E. Taylor Regional Water Treatment Plant has won numerous Best Tasting Water competitions, both at the regional and state levels. And, the Tom Harpool Regional Water Treatment Plant is one of only a handful of plants using membrane filtration technology.

Jody's roots in WEAT and WEF go back to the early 1990's when he began assisting with the production and distribution of the local North Texas Section newsletter. Through the 1990s he authored, presented papers and moderated at various WEF and WEAT conferences. Jody was also on the local arrangements committee for WEFTEC 1996 and 2006 in Dallas. In the late 1990s Jody became active at the local level by participating on the planning committee of the annual February Seminar, serving as chair for two years. In 2002 and 2003, he

served on the local arrangements committee for the first- and second-ever on-site national competitions for the Stockholm Junior Water Prize. Jody has also volunteered numerous times as a judge for the local and state level competitions for the award. He served the Section as Secretary, Vice-President, President-Elect, and President 2005-2006. Jody considers the highlight of his Presidency the creation of the Daryl Hall Memorial Scholarship, which offers opportunities for career advancement for operators and maintenance personnel within the industry.

At the State level of WEAT, Jody has served as a member of the Long-Range Planning Committee, on numerous local host committees for Texas Water and on other ad-hoc committees. He has served for many years on the Program Committee for Texas Water, chairing the committee from 2006-2008. While chair of the Program Committee, the abstract review and selection process went through a conversion from hard copy submittal and distribution to an electronic on-line format. Jody has also been active in and chaired the Strategic Planning and Student Chapters Committees. He is currently serving as the chair of the Utility Management Committee and WEF Delegate for WEAT, following terms as Secretary, Vice-President, President-Elect and President 2010-2011. Jody has received the WEF Service Award, is a multiple recipient of the WEAT President's Service Award and is a proud member of the Texas Chapter of the Select Society of Sanitary Sludge Shovelers.

At the National level, while serving as one of WEAT's two representatives Jody has been active on two committees for the House of Delegates. He has served many years on the Utility Management Committee, the Public Communication and Outreach Committee, and the Stockholm Junior Water Prize (SJWP) Committee. Jody served as chair of the SJWP sub-committee during the 2003-2004 transition period to full WEF committee status. He has also participated in the WEF Leadership Training and WEFMAX meetings.

In addition to his WEAT and WEF activities, Jody has also served as president of his local Texas Water Utilities Association chapter and been active in the regional school. He has been a long term member of the American Water Works Association and the Texas Association of Clean Water Agencies. A native of Houston, he has called the DFW Metroplex home since the 1990s. Jody is married to JoAnna and they have four children, Dow, Rebecca, Monica and Jonathan.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

5S AWARD – THE SELECT SOCIETY OF SANITARY SLUDGE SHOVELERS

The Select Society of Sanitary Sludge Shovelers was founded by the Arizona Member Association in 1940, it originated to encourage members to get involved. You cannot join the Society – you must be “selected” on the basis of merit. Within WEAT, induction into the prestigious society is based on “Outstanding, meritorious service above and beyond the call of duty” by recruiting at least five new members. Shovelers may also be awarded for exceptional service as established by the WEAT Board.

Meagan Brown

Mark Evers

Rebecca Musk

Dana White



Meagan Brown



Mark Evers



Rebecca Musk



Dana White



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.

Josh Marazzini

Josh Marazzini is a Project Engineer with CP&Y, Inc., where he has worked since 2008. Prior to joining CP&Y, Mr. Marazzini spent five years working for a national engineering firm in their San Antonio office. Mr. Marazzini holds a Bachelor of Science in Civil Engineering from Texas A&M University. He is a registered Professional Engineer in the State of Texas and NASSCO PACP Certified for pipeline inspection. He is currently in the process of pursuing a Project Management Professional (PMP) certification as well.



Mr. Marazzini has over nine years of design and project management experience planning, designing, permitting and management of civil engineering projects. His work covers a broad spectrum of public works, energy efficiency, water and wastewater projects, which have included water and wastewater collection, conveyance, storage and treatment, road and bridge, field assessment, program management and other municipal projects. He has also been involved in the preparation of impact fees, Capital Improvement Plans, wastewater permits, GIS system mapping, and drainage improvement plans.

Mr. Marazzini currently services clients throughout the State of Texas as a Project Engineer and Project Manager on water and wastewater projects. In these roles, he has been responsible for overall project performance, from client interaction and reporting through the successful completion of plans, specifications and construction activities. He is also responsible for the professional development and overseeing task completion for several Engineers-in-Training and interns. He strives to empower and challenge those around him to provide their best and to continue to grow professionally.

He is currently serving as past president of the San Antonio Chapter of WEAT, and was selected to represent WEAT at the National Young Professional Summit held earlier this year in Arizona. Mr. Marazzini has also served on the SAME scholarship committee and ASCE's e-week planning committee.

As an active member of WEAT, Mr. Marazzini's WEAT-related activities and experience include the following:

- Began his involvement with WEAT's Young Professional group's efforts including organizing Happy Hours, Tours, and the Fall YP Seminar in 2007. From 2007 through 2010, he served as the San Antonio

Sections YP representative helping lead one of the most active YP groups in the State. He continues to serve as an advisor to Young Professional group coordinators.

- From 2010 through 2011, Josh served as WEAT's Vice President and as President from 2011 - 2012. He currently serves as the Past President.
- In 2008, he helped start the chapter's participation in Basura Bash, a city-wide trash cleanup along San Antonio's waterways, and currently leads the semi-annual cleanup and park/river section adoption activities.
- Mr. Marazzini assisted with starting the WEAT San Antonio local chapter scholarship program in 2008, an expansion of its past student membership sponsorship. He also recently accepted a position assisting with the creation of WEAT's scholarship program on the State level.
- Since 2009, he has served on the sponsorship committee helping with fund raising for the annual Water for People golf tournament fund raiser, which has grown into Water for People's largest single fund raising activity in the State.
- Mr. Marazzini took a leadership role in planning monthly meetings and has coordinated and planned the End of Year Holiday Event and Scholarship Fund Raiser in 2011 as well as serving as co-chair in 2012 and chair for 2013 for the Summer Seminar, an all-day technical session for area professionals.
- In 2012, he helped start the local section's annual Dodson Drive Young Professional fund raising activity.
- In 2013, he assisted with the planning of the inaugural San Antonio Sporting Clays Tournament to raise funds for sponsorship of water and wastewater operator competitions.

Outside of work, Mr. Marazzini enjoys spending time and traveling with his wife Paulette, family and friends.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

EXEMPLARY EMPLOYER AWARD

...recognizing Texas employers that support and facilitate employee involvement and activities within the Water Environment Association of Texas and the Water Environment Federation.

CDM Smith

About CDM Smith

At CDM Smith, we are committed to building strong and lasting relationships with our clients and each other. We work together—in teams and in partnership with our clients—to solve complex environmental and infrastructure challenges. Together, we are solving the world’s water, environment, transportation, energy and facilities challenges with smart, integrated solutions. As a trusted partner, we are shaping tomorrow while delivering the services our clients need today.



Worldwide Presence

For the past 65 years, CDM Smith has provided innovative solutions combined with responsive, professional service to our clients. Worldwide, we deliver a full range of services that satisfy client needs for progressive planning, environmental evaluation, engineering, design, consulting, program management and construction management. With annual revenues of more than \$1 billion, and more than 5,000 professionals in over 125 offices worldwide, CDM Smith maintains the size, stability, and resources to take on a wide range of projects successfully. Our projects range from small, short-term solutions to complex, ongoing environmental and industrial treatment, infrastructure and facility projects.

Core Values and Culture

CDM Smith's core values define what CDM Smith—the company and our people—stands for throughout time, regardless of changes in leadership, structure and market conditions. CDM Smith's core values—excellence, initiative, shared commitment, integrity, and teamwork— are the fundamental and enduring principles that guide our collective and individual decisions, strategies, and actions.

CDM Smith is a highly diverse organization and we pride ourselves in being employer of choice in our industry. We take pride in our affirmative action and zero tolerance to discrimination. CDM Smith was named a Top 50 Employer for providing a positive minority group working environment by three equal opportunity publications: Workforce Diversity, Woman Engineer and Minority Engineer magazines. Our code of ethics is strengthened by our internal resources because we are an employee-owned company. Our people are caring global citizens helping to make life better. We volunteer in schools, non-profits organizations, civic events, and environmental clean-ups. We donate funds and volunteer our expertise on projects with *Engineers Without Borders* and *Water for People*.

Company-Wide Support of and Involvement in WEAT/WEF Activities

CDM Smith is proud of its long-term, broad-based support of WEAT and appreciates this opportunity to be considered for this important award.

CDM Smith prides itself on providing a unique and stimulating work environment, and is serious about its commitment to every employee—offering competitive benefits, fostering an inclusive workplace, and providing career development. An important part of this commitment is encouraging and supporting our employees to be involved in relevant technical societies and associations. As a premier water / wastewater consulting engineering firm, the Water Environment Association is one of the most prominent organizations for us to support, and encouraging local and national involvement in a wide range of activities at every employment level is a key part of our internal initiatives. Specifically, CDM Smith encourages its employees' involvement in WEAT and WEF activities, including membership, committee involvement, meeting attendance, and submitting and presenting technical papers and posters at state and national conferences.

Benefits to Employees, Especially Young Professional Employees, Through Financial Assistance towards Employee Memberships in WEAT/WEF

As mentioned, as a key part of CDM Smith's employee commitment, Young Professionals are fully compensated for approved time spent on WEAT and WEF professional activities, as well as reimbursed for expenses for memberships, travel, etc.

Additionally, CDM Smith encourages staff to make technical presentations and write technical articles, and provides an honorarium for papers and presentations. CDM Smith also presents annual technical paper awards to recognize the most outstanding papers each year.

Encouragement of Employees Participation in WEAT/WEF Activities and Facilitation of Participation for Volunteer Activities that May Occur During Working Hours

CDM Smith has documented policies that allow full compensation for approved time spent on WEAT and WEF professional activities, as well as reimbursement of expenses for memberships, travel, etc., for WEAT and WEF activity involvement.

CDM Smith recognizes the value of supporting our employees' involvement in these critical industry activities and therefore, encourages and financially supports this involvement at every employment level.

Support and Encouragement of Technical and Professional Growth Among Employees

CDM Smith has promoted and supported involvement of its staff in a variety of roles with WEAT and WEF. Currently, CDM Smith has several people that hold WEAT officer positions around Texas and had 12 employees present papers at Texas Water.



WATER ENVIRONMENT FEDERATION

LABORATORY ANALYST EXCELLENCE AWARD

... Recognizing individuals for outstanding performance, professionalism and contributions to the water quality analysis profession.

Kiran Makanji

For the last 24 years, Mr. Makanji has dedicated his career to the City of Dallas' Pretreatment and Analytical Services (PALS) Division. Currently he is the interim Assistant Manager of laboratory section of PALS, managing two process control laboratories and one analytical laboratory. In this capacity, Kiran supervises 16 chemists and manages day-to-day activities of the laboratories. Since December 2003, Kiran has been Manager at the Southside Wastewater Treatment Plant (SWWTP) Process Control Laboratory. Kiran holds a Bachelor of Science degree in Chemistry from Texas A & M University.



Mr. Kiran T. Makanji is heavily involved in WEAT and WEF. Since 2006, Kiran has dedicated his time, talent, and knowledge to the Operations Challenge at the Texas Water Annual Conference as a judge for the Laboratory Event. In 2007, 2008, and 2011 he also served as a judge at the national conference (WEFTEC). Since 1995, Kiran has been a mentor and a coach for the City of Dallas Aqua-Techs. His dedication has contributed to the Aqua-Techs' exceptional performance at the state and national levels.

Kiran has a long history of participation in community activities and public relations. He is committed to serving and educating the community during his working hours and his free time. Kiran participates in plant tours to school students, technical groups, consultants, and other professionals by explaining importance of the lab procedures and chemical analyses.

Kiran regularly participates in the City of Dallas' annual Earth Day celebration by manning a booth along with the Plant Staff. Kiran also uses his experience and knowledge as a science fair judge for the Dallas Independent School District. Outside of the lab, Kiran is actively involved in community service, volunteering at homeless shelters and with VNA meals on wheels several times a month.

Mr. Makanji attends numerous professional conferences, seminars, and courses and possesses certificates from the Institute for National Environmental Laboratory Accreditation (Inela) and National Environmental Laboratory Accreditation Certification (NELAC). In order to improve professionally, Kiran attends seminars, training courses, and in-house professional development courses offered by the City of Dallas and TCEQ approved training courses.

Mr. Mankanji always seeks better ways to enhance laboratory performance and to reduce operating costs. He was a pioneer in successfully implementing the HACH method of phosphorus analysis using TNT vials, which has reduced both chemical usage and analysis time. He also investigated the new Metrohm titrator, which was put in service to increase the efficiency for analyzing digester samples. Based on his recommendation, other city wastewater laboratories have also applied these methods.

Kiran is an environmental ambassador and has implemented methods within the laboratory that reduce paper usage.

Kiran's open-door policy encourages staff participation in a team setting. He continually promotes the importance of safety in the work place. He is highly regarded by his staff for his leadership and fairness and as the "Conscience of the wastewater laboratory." Kiran is a highly dedicated individual who performs his duties tirelessly, and continues to demonstrate outstanding professionalism. After 24 years in pollution control in general and wastewater treatment laboratory in particular, Kiran still remains an enthusiastic, committed, and environmental ambassador.

Kiran is also a recipient of multiple Witnessed Outstanding Work (W.O.W.) cards in recognition of his accountability, commitment, customer service, environmental stewardship, innovation, integrity, leadership, sensitivity, and teamwork.



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.

The City of Willis Wastewater Treatment Plant

The City of Willis Wastewater Treatment Plant was originally built in 1977 to replace an older facility in town which had reached the end of its useful life. Phase I of this facility was a 0.4 MGD activated sludge process utilizing a “racetrack” oxidation ditch reactor, secondary clarification, effluent disinfection through chlorination via gas chlorine and a chlorine contact chamber, and solids handling via three drying beds. In later phases and additional improvements, occurring between 1994 and 2006, the plant was expanded to 0.8 MGD by adding an additional chlorine contact chamber, additional aeration and mixing, a new aerobic digester, a belt filter press, and influent screening. The treated effluent is discharged under current TPDES permit to the East Fork of Crystal Creek and the waste sludge is processed through aerobic digestion with decant thickening, then dewatered via belt filter press and hauled to a local area landfill by a contract waste hauler.



Since July of 2008, the staff has worked diligently to keep this facility performing optimally while simultaneously improving the condition of the plant equipment, facilities, and grounds. The turnaround in this facility started with improvements in our in-house laboratory process control procedures, the acquisition of the proper equipment to do so, and staff development. Under the operation of Chief Plant Operator Gretchen Baldwin, this facility has seen a major revitalization in performance, asset management and protection, and in aesthetics. Gretchen has taken ownership of her duties, and of this facility, and it shows in every aspect of the plant operations and maintenance.

This facility has had no compliance violations during the two years preceding this award and exceeds the requirement of having satisfactory systems of historical records and annual reports through combined efforts of hard copy filing and electronic storage. The City maintains an active documented safety program, outlined in our City Personnel Policy, and has had no reportable, lost-time incidents in the past year. Operations and maintenance are conducted by the Chief Plant Operator, Gretchen Baldwin, and she maintains current TCEQ

licensure as a Class C Wastewater Treatment Operator, and Class C Water Operator. Additionally, the Director of Public Works and Utilities maintains current TCEQ double A licensure and the Utilities Supervisor maintains a current TCEQ Class C Wastewater Treatment Operator license.

Through the dedication and hard work of the Chief Plant Operator, and guidance and support from upper management, this is now not only a well performing plant, but also one of the most beautiful wastewater treatment facilities in the area. The plant consistently produces high quality effluent and looks good while doing it!



WATER ENVIRONMENT ASSOCIATION OF TEXAS

MUNICIPAL WASTEWATER TREATMENT PLANT OF THE YEAR Category 2 (1 - 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.

Red Oak Creek Regional Wastewater System

Capable of serving a population of 60,000, the Trinity River Authority's Red Oak Creek Regional Wastewater System consists of a 4.6-million-gallon-per-day treatment plant, plus 26 miles of gravity pipeline, 2.6 miles of force main, one lift station, and treats water to meet one of the most stringent limits in the DFW Metroplex. The treatment plant includes drum screens, grit removal, aeration basins, aerobic digesters and final clarifiers. The facility utilizes odor-reducing bio-filters for scrubbing foul air from the on-site lift station, preliminary treatment area, and the sludge building where dewatered bio-solids are temporarily stored before removal. The facility uses ultraviolet light to disinfect treated water before discharging it into the Red Oak Creek ecosystem.



Designed to preserve the rural ambiance of the area surrounding the plant site, the treatment facility is sheltered from the road by trees and gently rolling berms, and it features a pastoral landscape design with low-intensity lighting, noise control features and an administration building designed to resemble a country home.

The system began service in 1991 and is currently permitted to treat 4.6 million gallons per day, with an average daily flow of approximately 3.3 MGD. The system serves all of Ovilla, Glenn Heights and Red Oak, along with portions of DeSoto, Cedar Hill and Lancaster.



WATER ENVIRONMENT FEDERATION

Municipal Wastewater Treatment Plant of the Year Award

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

City of Fort Worth Water Department Village Creek Water Reclamation Facility Category 3 (>15 MGD)

The Village Creek Water Reclamation Facility is an advanced, state of the art activated sludge treatment facility. Rated at 166 MGD, the facility receives wastewater from the City of Fort Worth as well as 23 surrounding communities and cities serving a population of over one million people. Over the last 23 years consecutive years Village Creek Water Reclamation Facility has not had a single violation of its TPDES permit. The facility reclaims treated wastewater and produces Type I irrigation reuse water which is being sold to neighboring communities and the DFW airport. The facility also converts over 100 dry tons of biosolids to Class A

Beneficial Reuse Quality of which 100% is land applied to participating land owners within the surrounding 9 counties. Village Creek also generates over 50% of its electrical demand using methane biogas from its anaerobic digesters as well as methane gas from a nearby landfill. This biogas is used to fuel two 5.2 MW gas turbines. Waste heat from one of the turbines is now being recovered and used to create steam. This steam is used to drive two steam turbine air blowers capable of producing over 30,000 scfm each to the aeration basins. The use of the two steam blowers allows for two 1,000 h.p. electric blowers to be taken off line, thus reducing the overall electrical load of the facility by up to 2 MW per day. Currently the facility can produce up to 75% of its electrical energy through the use of these energy improvements. With the construction of the High Strength Waste Co-Generation Facility, high strength waste from local industries is being added to 6 of the 14 anaerobic digesters, doubling the amount of biogas produced for the turbine engines. It is the goal of this facility to become energy neutral within the next two years. If successful over 8 MW of electrical demand will have been taken off the grid and made available to the community each day. To put this into perspective 8 MW can power 8,000 homes.

Village Creek employs 102 full time employees comprising the Operations, Maintenance and Instrumentation and Electrical Section, Technical Services, Environmental, Health & Safety and Administration. It is operated by 31 TCEQ licensed operators, 9 of which hold an "A" license. The Training and Safety Program involves



three full time positions dedicated to the continuing education of operators and maintenance personnel. Over the 4 months there have been no lost time incidents.

During periods of wet weather and high flow conditions, the Village Creek Water Reclamation Facility utilizes one of the only permitted Ballasted Flocc High Rate Clarifiers to treat wastewater. This facility is rated at 80 MGD and utilizes ferric sulfate, polymer and fine sand to create a ballasted floc which settles rapidly.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

OUTSTANDING OPERATOR OF THE YEAR AWARD

...presented to an operator and member of WEAT who has provided dedication, years of faithful service, and professionalism at their facility.

Joe B. Thompson

Mr. Joe B. Thompson, is a Senior Operator at Upper Trinity Regional Water District with 16 years of experience. He currently holds a Class “A” license for both water and wastewater plant operation. His duties include daily oversight of operations staff, collection of information and preparation of discharge monitoring reports, and process control decisions.

Mr. Thompson started his career in the water treatment field in 1997 after being honorably discharged from the U.S. Navy when he took a job with Dallas Water Utilities. In his 5-years with the City of Dallas he had the opportunity to work both at the Central Wastewater Treatment Plant as well as the Southside Treatment Plant to gain experience in the dewatering side of the treatment process.



He began working with Upper Trinity in 2002 at the Thomas E. Taylor RWTP as an operator 2 but soon joined the construction department as an inspector during the construction of the Tom Harpool RWTP, a 20mgd ultra filtration membrane plant. He served as part of the Tom Harpool Plant start up team and served as a shift lead operator. As an operator in the newly created Northeast operations department, he was also responsible for the operations of two district water reclamation plants. Mr. Thompson was promoted to Senior Operator in December of 2011.

He is a member of both WEAT and TWUA. He has been married to his wife Alicia for 16 years and they have three children Corley, Dillon, and Aspen.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

ALAN H. PLUMMER ENVIRONMENTAL SUSTAINABILITY AWARD

...recognizing individuals who have made outstanding contributions in the field of environmental sustainability practices within the State of Texas.

Don Vandertulip

Don Vandertulip has nearly 40 years of experience in recycled water pump, storage and distribution systems. He recently served as technical director for the 2012 *EPA Guidelines for Water Reuse* and was on the Technical Review Committee for the 2004 EPA Guidelines for Water Reuse. One of his first water reuse projects was monitoring the El Paso Water Utility pilot test for Indirect Potable Reuse treatment and injection into the Hueco Bolson in 1979 as an Army captain at William Beaumont AMC.

Don joined WPCF and AWWA in 1972 as a student at UTEP and is an active member of WEF, AWWA, and WRA. He was the Founding President of the San Antonio Chapter, WEAT 1999-2000, a founding member in 1999 of the San Antonio TAWWA Section, and served as WEAT Section 11 Board Representative from 2004 to 2007. He is immediate past-Chair, WEF Water Reuse Committee serving as Vice-Chair 2005-2008 and Chair from 2008-2010; member, WEF and WEAT Municipal Wastewater Treatment Committee, and recently served as author for two sections of MOP 8 update. He continues to serve on the WEF Water Reuse Symposia Program Committee and is the Committee representative to the Workshop Program Committee. He has been an active member of TAWWA Reuse and Conservation Division; author for Chapter 4, AWWA M-24 Planning for the Distribution of Reclaimed Water and for three chapters of M-62 Membrane Treatment for Reclaimed Water (draft); AWWA Water Reuse Committee and Reclaimed Water Standards Committee and is a Life Member, AWWA. Don joined the Water Reuse Association in 1996 and was a founding member of WRA-Texas in 2005 serving as Director, Vice-President, President, and is currently a Director. He has been an active member of the WRA Technical Program Committee since 2005 and Co-Chaired three Water Reuse Symposia, serves as Chair, WRA Graywater Policy Committee, and represents both WRA and WEF on an IAPMO Green Technical Committee to resolve code requirements for on-site reclaimed water piping. He was recognized with the 2010 WRA President's Award for his efforts in chairing the Ad Hoc Graywater Committee. Additionally, he was selected as the TSPE, Bexar Chapter 2004 Engineer of the Year.



Water reuse project experience includes serving as Technical Director for the 2012 *EPA Guidelines for Water Reuse*; Deputy and Project Manager for San Antonio Water System Water Recycling Program 1997-2003; and

Midland Satellite MBR Reclaimed Water Production Facility (2012). Reclaimed water projects outside Texas include: Los Angeles Recycled Water Master Plan Update; San Diego Recycled Water Master Plan Update; North San Francisco Bay EIS/EIR; Loudoun County Sanitation Authority, Reclaimed Water System Program Updates and Fairfax County/Covanta Energy Water Reuse Agreement (VA); Raleigh, Cary and Durham County Water Reuse Master Plans and UNC Chapel Hill-Bingham Research Facility Expansion Peer Review Chapel Hill, North Carolina; Southwest Quadrant Reclaimed Water Feasibility Study, Savannah, Georgia; United Water New Jersey Reclaimed Water Feasibility Study; and Integrated Master Plan for Water and Wastewater for Jeddah City, Jeddah, Saudi Arabia.

Mr. Vandertulip has presented over seventy presentations at technical conferences in recent years, contributed to WEF and AWWA reuse manuals, presented nationally sponsored webinars on water reuse, chaired numerous pre-conference workshops and technical sessions, and is published in the IDA Journal and Worldwater Water Reuse & Desalination.

Don and Ginny Vandertulip have been married for nearly 40 years and have four children and six grandchildren. Both are graduates of UTEP.



WATER ENVIRONMENT ASSOCIATION OF TEXAS

WINFIELD S. MAHLIE AWARD

...recognizing a member of WEAT who has made significant contributions to the art and science of wastewater treatment and water pollution control.

Jyh-Wei (Al) Sun, P.E., BCEE

Mr. Jyh-Wei Sun (aka Al Sun) is a senior vice president with CDM Smith Inc. In his 35 year tenure with the company he has worked on over a hundred wastewater treatment facilities with capacities ranging from less than 1 million gallon per day (MGD) to greater than 500 MGD. The treatment processes at these plants encompass simple activated sludge systems to more complex nutrients removal facilities that must meet very stringent discharge permit requirements.

Mr. Sun has extensive experience in treatment facilities for treating peak wet weather flows in both separate and combined sewer systems. The processes utilized include retention treatment basins, chemically enhanced primary clarification, ballasted flocculation/high-rate clarification, and high-rate filtration. He also developed a biological enhancement feature to enable the high-rate clarification process to provide higher level of treatment. The biologically enhanced high-rate clarification system has gained regulatory recognition as a process that produces effluent quality equal to secondary treatment. This process has also received an Excellence in Environmental Engineering award from American Academy of Environmental Engineers.



While with CDM Smith Mr. Sun served as client service manager, program manager, project manager, project engineer, quality control manager and senior technical resource. Mr. Sun is currently leading the Wastewater Treatment Processes discipline for the company.

Major projects in Texas Mr. Sun has managed over the years include: Central and Southside Wastewater Treatment Plants improvements in Dallas; Dos Rios Water Recycling Center, in San Antonio; Pecan Creek Water Reclamation Plant, Denton; Rowlett Creek WWTP, Garland; Wastewater Treatment Improvements, Orange; Gainesville WWTP Improvements and Dallas Salmon WWTP, League City. Mr. Sun also helped develop a high rate nitrifying activated sludge system to treat sidestream at Southside plant, avoiding paying patent fees and premium equipment cost of proprietary systems such as SHARON, ANAMMOX, and DEMON, etc. The system achieves 99% ammonia conversion and nitrate produced is used as bioxide to mitigate odor potential in plant influent.

Mr. Sun was born in mainland China in 1948. His parents migrated from their hometown in China, to Kaoshung, a port city in southern Taiwan during the Chinese civil war in 1949 when he was 1 year old. Mr. Sun grew up in Taiwan and has spent almost all of his professional life in the United States. He has a Bachelor of Science degree from Cheng Kung University majoring in Civil/Environmental Engineering. Upon graduation he joined the Taiwan national army as a second lieutenant with the Special Forces branch. His army training includes combat training, long distance land navigation, wilderness survival, airborne infiltration, and parachuting - a skill which he still remembers and is always prepared to dust off if given the opportunity.

Mr. Sun came to the United States in 1973, and received his Master of Science degree from the University of Connecticut Engineering Graduate School in 1974. Mr. Sun worked for a regional firm as a project engineer in New Jersey for 4 years before joining CDM Smith in Milwaukee in 1978. Mr. Sun moved to the CDM Dallas office in 1983, which afforded him tremendous opportunities to work on major projects in Texas and other neighboring states. Mr. Sun is thankful for his experiences working with a great number of talented engineers, scientists, technicians and administrators in our field, many of whom have become good friends.

Mr. Sun has been married for 32 years to his wife Chris, and they have one daughter, Charlene, who was born in Dallas and is a litigation attorney working for a New York law firm. Charlene was married last May to Dr. Johnson Chen who is a radiologist in New York City. Mr. Sun enjoys basketball (playing it when he was younger, and watching it now that he has matured) and tries to organize friendly bridge games, although without success most of the time (only due to lack of players, not because the games would not be friendly). He also enjoys the game of "Go"-an ancient Chinese strategy game, and is actively seeking a live opponent so that he can graduate from playing against the computer.