

WATER ENVIRONMENT FEDERATION
SERVICE AWARD
OUTGOING WEF DELEGATE 2004-2007

...in honor of dedication, outstanding service, and tireless efforts in support of the objectives of WEF and WEAT.

Betty Jordan



WATER ENVIRONMENT FEDERATION

GEORGE W. BURKE, JR. AWARD

...acknowledging an active and effective safety program in municipal and industrial wastewater facilities. The facility must have a documented and illustrated safety program and safety record for the preceding calendar year.

Central Wastewater Treatment Plant City of Dallas Water Utilities

The staff of the City of Dallas' Central Wastewater Treatment Plant (CWWTP) is charged with effectively, efficiently, responsibly, and safely operating and maintaining one of the largest advanced treatment facilities in the state of Texas. CWWTP is a part of the wastewater treatment system owned and operated by the City of Dallas to convert the wastewater effluent of approximately 1.2 million City residents and eleven customer cities into a product that is safe for the environment. The total



Gary Strong, Mark Fleet, Chris Kaataty, WEF President-Elect
Rebecca West and Joe Lopez

wastewater system consists of over 4,000 miles of effluent collection piping and two treatment plants. The CWWTP is permitted by the Texas Commission on Environmental Quality (TCEQ) to treat an average of 132 million gallons per day (MGD). This plant originated in 1917 and today has developed into a modern facility on 300 acres with an estimated value of approximately \$750,000,000.

Safety is a top priority at the CWWTP as can be seen from the results for 2007. During the last 12 month period, the 97 full-time employees working at this plant have not had a lost-time incident. The employees, supervisors and administration are very proud of this outstanding achievement and are working to extend this perfect record.

All of CWWTP's employees realize that safety is an individual commitment that must be considered at all times. This commitment starts at the field level and is fully supported by the supervisors and management staff. The Safety Program at the CWWTP consists of five primary areas of responsibility.

Employee Training: The employees at the CWWTP receive frequent safety training from three sources: internal City training, training by consultants/contractors, and plant field training. Internal City training is implemented by the Dallas Human Resources Department which has the responsibility for the safety

of the employees city-wide. The Plant employees also include frequent training by consultants hired by the City and specialized training by contractors working on projects for the City. Additionally, the Plant also utilizes frequent "tailgate safety training." These are short safety discussions given by the field supervisors at the start of work sessions to refresh the importance of acting and thinking safely and to review specific safety procedures for tasks that the employees may be preparing to perform.

Safety Leaders: The CWWTP creates safety leadership in the field through the supervisors and the Plant Emergency Response Team. This team consists of volunteers who are specifically trained in dealing with potential accidents or issues involved with the most hazardous areas of this plant: confined spaces, the chlorine process area and the sulfur dioxide process area. This team is fully schooled in first aid, the use of SCBA equipment and rescue procedures. They receive a minimum of 40 hours of training annually. In addition to their training, these individuals provide a very important role in assisting the supervisors to ensure that all employees receive proper guidance and training in recognizing potential safety hazards and preparing for them.

Job Safety Analysis: The Job Safety Analysis (JSA) are a series of procedures that need to be followed to ensure the safe operation and maintenance of each piece of equipment. Additionally, they provide a written analysis of the potential safety hazards that exist with steps to be followed in case of emergency. The JSAs are reviewed annually and updated to assure that new hazards are not created by modifications to equipment and/or procedures. New employees are required to review the JSAs for their area of responsibility prior to operating or maintaining the equipment.

Safety Equipment: The CWWTP provides all of its employees with the best safety equipment available. Safety protection items, such as gloves, goggles, etc. can be checked out daily. Each mechanic and operator maintains an inventory of safety tools and hardware that is required for their job. In addition to the items used routinely by each employee, the supervisors and Emergency Response Team maintains specialty equipment required for more hazardous tasks and emergencies. An example of this type of equipment is the Self-Contained-Breathing-Apparatus (SCBA) required for working with hazardous chemicals, such as chlorine and sulfur dioxide. These systems require periodic inspections to assure that there are no leaks in the fabrics and that the oxygen tanks are filled and the oxygen has not passed its expiration date.

Management Support: Any safety program can not be complete without the support and commitment of all of the management team. In addition to the aforementioned items, which are controlled and funded by management, the CWWTP management is active in working with the employees to maximize the safety results and recognizing the employees who exhibit exemplary safety performance. Safety performance is included in the performance reviews of each employee and the management is involved in reviewing the safety performances and recognizing the level of safety by each employee. Improper safety performance can result in disciplinary action and extraordinary performance can result in additional merit rewards. The CWWTP also provides recognition to the employees for excellent safety performance.

WATER ENVIRONMENT FEDERATION

QUARTER CENTURY OPERATORS' CLUB MEMBERSHIP

...honoring operators of wastewater treatment plants for service and dedication in a difficult and dangerous field. Members must have been a significant, full-time participant in the water environment industry for a period of 25 years, including at least 10 years actively involved in the day-to-day collections, maintenance, operations, laboratory, or management of a wastewater treatment facility.

John W. Greer

John W. Greer began his career as an assistant WWTP operator for the City of Niagara Falls, N.Y. in 1976. He was promoted to WWTP Maintenance Supervisor, then to Chief of Maintenance Utilities Department where he was responsible for all water and wastewater plant maintenance, water distribution system, metering, storm water and sewage collection system maintenance. He was appointed acting Director of Water prior to leaving for Texas in 1988. John joined the Central Regional Wastewater System (CRWS) of the Trinity River Authority (TRA) in 1988 as the Maintenance Engineer. He has earned his Wastewater Treatment Operator "A" and is a Certified Vibration Analyst. He has seen CRWS grow to a 162 MGD facility. In the mid 1990s, he was assigned to the tasks of beginning a program of beneficial use of biosolids by land application, electric cost reduction and odor control improvements. John continues to oversee the biosolids contract operations, which now hauls and land applies over 200,000 wet tons annually. In addition to these projects, Air Quality, SWP3, SPCC, RMP and Security and Vulnerability Assessment have found their way into his court.



John has been a WEF member since 1988. He presented the TRA CRWS biosolids success story at the WEF Biosolids and Residuals 2003 Conference. John retired from TRA CRWS on February 29, 2008.

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Steven B. Head

Steven B. Head began his career as an Apprentice Wastewater Treatment Plant Operator at the Dallas Water Utility's Central WWTP in 1980. Over the next six years he was promoted to WWTP Operator and then to Operations Shift Supervisor where he supervised the day to day activities of six to fourteen employees. Duties included ensuring that all EPA, TCEQ, EEOC and Dallas Water Utility rules and regulations were being followed while meeting effluent limit requirements. During the 1990's Steve moved to Fort Worth's Village Creek WWTP where he started as a Treatment Plant Operator and was then promoted to a Treatment Plant Supervisor. In 2000, he moved back to the Dallas Water Utility's Southside WWTP as an Operations Shift Supervisor. He has been in his current position as Operations Section Supervisor since 2001 where he has overseen operations of the liquids, solids, and disposal operations sections. He also has duties related to capital improvements, design activities, and on-site construction.



Overall, Steve has over 27 years of wastewater experience and has earned his Class "A" Wastewater Certificate. In 1987 he was honored with the City of Dallas' "Commitment to Excellence Award."

WATER ENVIRONMENT ASSOCIATION OF TEXAS
PILLAR OF THE PROFESSION AWARD

...honoring an individual who has demonstrated meaningful and substantial contributions toward the improvement of the water environment via a distinguished career in the wastewater or water quality industry. The honoree shall be a person of proven preeminence in the water environment profession whose career has positively impacted the success and growth of these fields within the State of Texas.

Thomas E. Taylor

Thomas E. Taylor graduated with honors from the University of Arkansas with a Bachelor of Science Degree in Civil Engineering. He began his career as an entry-level engineer with the City of Dallas. Rising steadily through the ranks, Mr. Taylor became the youngest department head at the City. As Director of the Dallas Water Utilities (DWU) with over 1,800 employees, his responsibilities included water and wastewater services for the City of Dallas and 25 other customer cities. Because of his achievements at the City of Dallas, Mr. Taylor was honored in 1981 as one of the “Top Ten Public Works Leaders in North America” by the American Public Works Association.



Mr. Taylor led the Dallas Water Utilities during a critical and dynamic time of growth and new legislation. At that time, DWU was developing new and advanced wastewater treatment facilities to meet the requirements of the newly enacted Clean Water Act. During his tenure with DWU, Mr. Taylor helped shape many of the facilities and policies that are still in place today.

In 1986, Mr. Taylor left Dallas Water Utilities for the private sector. While as a consultant, he became involved in discussions with a group of cities and utilities in the Denton County area to address needs for regional cooperation: compliance with water, wastewater and solid waste regulations, and coordinated water supply planning. This planning was the genesis of the Upper Trinity Regional Water District. Legislation was drafted to create an independent water district to serve approximately 30 cities and signed into law on June 16, 1989. Because of the key role he played and the vision he displayed during the planning activities, the community leaders unanimously voted to make Mr. Taylor the first Executive Director of the new regional water district.

For nearly 20 years, Thomas Taylor has led the Upper Trinity Regional Water District with a very clear mission: to provide the utility services that its customers need, all without the power of taxation. The District is governed by a Board of Directors appointed by its members and is considered by many to be a model regional agency for the future. The services provided by the District fit local needs and are in response to the requests of District members and customers. Since the District has no taxation powers, it must rely solely on revenue from the services that it provides.

From the beginning, the area served by the Upper Trinity Regional Water District has seen unprecedented growth. The development of infrastructure began immediately upon conception, and the first regional water treatment plant was placed in service in the summer of 1996. Additional water and wastewater facilities have been added over the years. Under Mr. Taylor's leadership, Upper Trinity members, with a shared regional vision, have cooperated to achieve results that could be considered almost impossible for a newly created regional entity. As a result of this vision and leadership, the District is well-suited to serve its members and customers well into the future.

Mr. Taylor has also participated in, and encouraged his staff to participate in professional organizations to support the water profession. He and his staff have all gone on to be leaders in those organizations. He was also inducted into the Arkansas Academy of Civil Engineering in 1994, in recognition of his career accomplishments.

During his entire career, Thomas Taylor has been instrumental in shaping and leading the water industry. His vision has allowed both the Dallas Water Utilities and the Upper Trinity Regional Water District to become model agencies for others to emulate.

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.

Lakeview Regional Water Reclamation Plant Upper Trinity Regional Water District

The Lakeview Regional Water Reclamation Plant (WRP) is owned, operated, and maintained by the Upper Trinity Regional Water District (UTRWD). The plant is a 5.0 MGD advanced treatment facility located in the City of Lake Dallas in Denton County, north of the Dallas/Fort Worth Metroplex. The Lakeview WRP discharges directly into Lewisville Lake, which is a major source of drinking water for the North Texas area. As a result, the UTRWD ensures that the effluent is of an exceptionally high quality.



Jody Zabolio, Ron Lucero, WEF President-Elect
Rebecca West, Mike Stone, James Rogers, and
Larry Patterson

The treatment process begins with fine screen pre-treatment followed by grit removal and flow equalization. Secondary treatment includes activated sludge with biological phosphorous removal and final clarification. Final effluent polishing is provided by filtration and ultraviolet disinfection prior to discharge to Lewisville Lake.

The Lakeview WRP receives wastewater primarily from residential homes, retail commercial businesses and some minor industrial facilities. The plant is a regional facility that provides wastewater treatment for all or a portion of the Town of Bartonville, City of Corinth, Denton County Fresh Water Supply District No. 7 (Lantana), Town of Double Oak, Town of Hickory Creek, City of Highland Village, City of Lake Dallas, Town of Shady Shores, and a portion of unincorporated Denton County.

The original Lakeview Plant was purchased from the Lake Cities Municipal Utilities Authority in August of 1996. A new 3.5 MGD activated sludge facility was constructed on the site in 1998 to address the needs of Upper Trinity members. The original plant facilities are now used to process sludge for all of Upper Trinity's water reclamation plants.

The Lakeview WRP was modified in 2003, which enabled it to be re-rated to its current 5.0 MGD capacity. The current permitted annual average daily flow for this plant is 7.5 MGD. The Texas Pollution Discharge Elimination System (TPDES) permit effluent limitations for the Lakeview WRP are BOD 10 mg/L, TSS 15 mg/L, and Total P 1.0 mg/L.

BOD and TSS are regularly removed to the non-detect levels and phosphorous is removed biologically to about 0.5 mg/L. As a result, the Lakeview WRP was awarded a coveted Platinum 8 Peak Performance Award from the National Association of Clean Water Agencies (NACWA) for 2006, recognizing eight years of perfect compliance with its TPDES permit. The Lakeview staff continues to maintain this perfect compliance. In fact, there has not been a permit violation at Lakeview since before the construction of the new plant in 1998.

There are four operators and one superintendent who staff the Lakeview plant. All of these current personnel are certified by the TCEQ as Class B Wastewater Treatment Plant Operators. Upper Trinity also has two Class A Wastewater Operators on staff, who are available for consultation at all times. The Lakeview WRP is staffed full time from 7:30 a.m. to 5:00 p.m., Monday through Friday. Weekend rounds are performed by the staff on a rotating basis. 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 Upper Trinity facilities is performed by a centralized maintenance department.

During 2006 and the early part of 2007, the Lakeview plant underwent a major construction project to provide biological phosphorous removal (with chemical backup), biological odor control at the headworks and a second belt filter press to upgrade biosolids processing. Maintaining continuous treatment during construction provided a number of challenges for the operations staff.

Safety at the Lakeview 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 were no lost-time injuries in 2007. And, within the last four years, there was only a single accident that led to one day of lost-time.

The Lakeview facility is operated and maintained in an effort to be a "good neighbor." As is increasingly the case for wastewater treatment plants, housing developments are filling what was once buffer areas surrounding the plant. With that in mind, UTRWD included the upgrade to its existing odor control capabilities described above to better ensure that odors are not a nuisance. Additionally, the Lakeview campus is landscaped and maintained in an exceptional manner. As an indicator of this level of effort, the Lakeview Plant was recently awarded the Yard of the Month by the City of Lake Dallas.

The Upper Trinity Regional Water District's Lakeview WRP is an exemplary wastewater plant in all facets of operation. We are proud of this facility, its dedicated staff, and its exceptional performance over many years.

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 Wastewater Treatment Plant City of Dallas Water Utilities

The Central Wastewater Treatment Plant is a part of the wastewater treatment system owned and operated by the City of Dallas to convert the wastewater effluent of approximately 1.2 million City residents and eleven customer cities into a product that is safe for the environment. The total system consists of over 4,000 miles of effluent collection piping and two treatment plants, the Central Wastewater Treatment Plant (CWWTP) and the Southside Wastewater Treatment Plant million gallons per day of wastewater.



Gary Strong, Chris Kaataty, WEF President-Elect
Rebecca West, Joe Lopez, and Mark Fleet

The CWWTP is the oldest wastewater treatment plant in north Texas. The first treatment equipment was installed in 1917.

Even though portions of this Plant have been in operation for over 90 years, the operation is very modern and efficient and the equipment is well maintained. This has been proven by the fact that the Plant has not violated the TCEQ permit requirements in over six years and has received the TCEQ Platinum awards in 2006 and 2007 for exceeding five consecutive years without a permit violation. In addition to the Platinum awards, over the last 13 years, the Plant has received eight Gold awards for perfect effluent compliance for one year.

This Plant also utilizes a very effective safety program. The safety process starts at the manager and supervisor level with monthly safety meetings to remind employees of safety hazards and review the safety procedures. These procedures are documented for all trades as Job Safety Analysis reports (JSA) which are archived in the Maintenance Library for employees to utilize. The success of this program has culminated in the maximum possible achievement during the 12 months of 2007. The entire plant, has worked with zero injuries and zero lost time. In addition to safety, the CWWTP has adapted programs that generate effective stewardship for the environment and for energy consumption.

Recently, the Plant completed a project which is the first reuse of reclaimed water by the City of Dallas. This reuse water is used for the irrigation of the Cedar Crest Golf Course.

Through the implementation of effective odor containment and treatment processes, the Plant has no detectable odors outside the fence line and zero odor complaint for the last two years.

The Plant administration is actively involved in setting goals and projects in cooperation with the City Office of Environmental Quality. These projects are structured to provide maximum environmental enhancement, reduce energy consumption and reduce and recycle wastes.

The Plant staff has also implemented changes in the electrical hardware and process conditions of the Plant that have resulted in an average reduction in electrical consumption exceeding 9% for the last three years.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

Ronald B. Sieger Biosolids Management Award

...presented to a WEAT member, an engineering firm, a specific project, a municipality, or a specific municipal or industrial facility that has made significant accomplishments in the field of biosolids technology and management practices within the boundaries of the State of Texas.

Lynne Moss, P.E., BCEE

Lynne Moss earned a Bachelors degree in Civil Engineering from the University of Texas at Austin in 1982. She began her career with Camp Dresser & McKee, Inc. (CDM) in March of 1983 and is nearing her 25th anniversary with the firm. She is a registered Professional Engineer (P.E.) in the state of Texas, a certified Texas Nutrient Management Specialist, and a Board Certified Environmental Engineer (BCEE) with the American Academy of Environmental Engineers (AAEE).

Over the course of her career, Ms. Moss has led, or participated in numerous research projects to review and further various biosolids management technologies, equip municipalities with better biosolids educational materials, and advance the general awareness of biosolids management issues. These include serving as Principal Investigator for Water Environment Federation (WERF) Report and Digest: Evaluation of Risks and Benefits of Soil Amendments Used in Agriculture; Investigator for WERF report – Biosolids Management: Assessment of Innovative Biosolids Management Processes; and Investigator for WERF Report - Defining Biosolids Stability: A Basis for Regulatory and Public Acceptance.

Ms. Moss also has a history of involvement in the biosolids industry that extends well beyond her project work, and she is currently active in both the Water Environment Federation (WEF) and the Water Environment Association of Texas (WEAT). Currently she serves on the WEF Residuals and Biosolids Committee (RBC) as Vice-Chair of the Agricultural and Industrial Subcommittee and in the past she has chaired the committee's Public Education subcommittee. She also currently chairs the new WEAT Biosolids Committee. As chair of WEAT's Biosolids Committee, Ms. Moss enlisted members from the municipal, regulatory and manufacturing communities to address biosolids management issues in Texas, transforming this ad hoc committee of one to a working technical committee that has already begun supporting the sound management of biosolids in the state.

Ms. Moss also served as co-chair for two successful WEAT conferences. Recently, she served as chair of the biosolids portion for the Biosolids, Odor and Corrosion Control Conference held in San Antonio in September, 2007. For the conference, Ms. Moss solicited experts nationwide to bring the latest in biosolids technology innovations and research to Texas. She also served in a similar role for the successful 2005 WEAT Biosolids Conference held in Austin.

Nationally, Ms. Moss is a recognized expert in the biosolids arena, and she will be leading the development of a chapter for a new EPA design manual (the first in nearly 30 years) for solids management, and will also serve as lead author for a new biosolids chapter in WEF's Manual of Practice



No. 8 (a design manual for wastewater and solids facilities). She is also participating in a committee that is developing a national certification for the land appliers of biosolids.

Ms. Moss is a member of CDM's Biosolids Technical Resource Group, dedicated to sharing technical knowledge and advancing biosolids management across the nation. In this capacity she is able to apply the innovative biosolids lessons learned from projects that she and other members of the group have done elsewhere in the country to efforts in Texas.

WATER ENVIRONMENT ASSOCIATION OF TEXAS

PRESIDENT'S SERVICE AWARDS

Each year the outgoing President of the WEAT recognizes members for their service to the organization during the president's term. This year, outgoing President Raj Bhattarai recognized 15 members for their service during the past year. Congratulations to Dennis Laskowski (San Antonio Water System), Cheryl Smith (WEAT), Cathy Henderson-Sieger (Trinity River Authority), Rhonda Harris (Pro-Ops), Carol Batterton (WEAT), David Briggs (CDM), Margaret Cathey (Lakeway MUD), Richard Eason (Lakeway MUD), Ray Longoria (Freese and Nichols), John Bennett (Trinity River Authority), Steve Clouse (San Antonio Water System), Esther Harrah (San Antonio Water System), Debbie McReynolds (City of Odessa), Trooper Smith (Freese and Nichols), and Karin Warren (City of Beaumont).



Dennis Laskowski, Cheryl Smith, Cathy Henderson-Sieger, Rhonda Harris, Carol Batterton, David Briggs, Margaret Cathey, Richard Eason, and Ray Longoria

WATER ENVIRONMENT ASSOCIATION OF TEXAS MEMBERSHIP RECRUITING AWARDS

Each year the Water Environment Association of Texas recognizes three members for their outstanding recruitment efforts. The first recipient is Dennis Laskowski for recruiting eleven new members. Our second recipient is Mary Evans for recruiting ten new members. Our third award is a tie between Dawn Anderson and Paul Roach for recruiting three new members each.



Mary Evans, Paul Roach, and Dennis Laskowski
(Dawn Anderson not available for photo)