

Andrew (Drew) Molly, P.E.

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OBJECTIVE

To utilize my background in an executive management position responsible for drinking water and wastewater operations.

OVERVIEW

Accomplished leader, professional engineer, and licensed water operator with over 20 years of management experience for private companies, public entities, and over 15 years of local government experience. Demonstrated success in developing, prioritizing, coordinating, and managing annual operations and capital improvement budgets up to \$150 million and \$200 million, respectively, as well as supervising and motivating staff of various management, operational, and technical backgrounds.

Proven success and track record implementing large projects like the current City of Houston Northeast Water Purification Plant Expansion Project (\$1.8 Billion).

Demonstrated progressive leadership by building solid and lasting relationships with key stakeholders, partners, regional water authorities, contractors, consultants, professional organizations, and other municipalities.

EDUCATION

B.S. Civil Engineering, 1998 | Texas A&M University, College Station, Texas

Member of Chi Epsilon National Honor Society

EXPERIENCE

CITY OF HOUSTON (2006 – Present)

2017 – Present | Director of Drinking Water Operations, P.E.

- Manage the City of Houston's water system, including source water protection, treatment plants, groundwater wells, re-pump stations, water quality, regulatory compliance, transmission, and distribution systems.
- Manage a diverse team of over 600 employees.
- Oversee an O&M budget of \$180M, and CIP budget of \$200M.
- Responsible for a water system that provides safe, potable water to over 4 million customers across the greater Houston region.
- Work closely with Wastewater Operations, and the Office of City Engineer.
- Manage a third-party Contract Operator for the Greater Northeast Houston Service Area that involves both water and wastewater responsibilities.
- Prepare and present budgets and CIP plans to Regional Water Authorities, and other regional agencies.
- Engage with Houston City Council regarding various issues, including presentations and briefings.

- Subject matter expert for Drinking Water issues and have presented on various topics at the State Legislature.
- Work closely with several raw water authorities, including Trinity River, San Jacinto River, and Coastal Water Authority.

2015 – 2017 | Assistant Director, P.E.

- Managed the City of Houston’s three Surface Water Treatment Plants, which include the East Water Purification Plant (360 MGD); Northeast Water Purification Plant (80 MGD facility); and the Southeast Water Purification Plant (200 MGD).
- Responsible for 150 FTE’s, and a budget of \$50MM.
- Served as the Operations and Maintenance (O&M) advisor for the \$1.8 billion dollar 320 MGD expansion project.
- The 320 MGD expansion project is being implemented through a progressive design-build delivery model, and is currently the largest water treatment plant project in the world.
- Actively participate in stakeholder meetings, design development, and procurement selection. Provide significant input into the design, and procurement aspects of the project so that a best-in-class facility is constructed.

2009 - 2015 | Managing Engineer, P.E.

➤ Plant Manager - (November 2009 – 2015)

Managed the Northeast Water Purification Plant (80 MGD facility); responsible for a team of 30 people with the following specific functions:

- Operations teams, which includes staffing the facility 24 hours per day, 365 days per year.
- Maintenance teams, which includes electricians, mechanics, and SCADA technicians.
- Oversight of professional staff tasked to track budgets, performance measures, and asset management systems.
- Writing, developing, and managing contracts for numerous O&M projects, including a \$7.5 MM sludge dewatering contract with Denali Inc.
- Coordinating with COH Departments, including Legal to develop and execute new contracts and mitigate contractual disputes.
- Health, safety and security of all personnel within the treatment facility.
- Interaction with key customers that include North Harris County Regional Water Authority and Houston Airport Systems.
- Developing project scopes for CIP projects; performing design review and coordination with ECD during preliminary engineering and design phases; and participating in construction phase by attendance at construction progress meetings, and performing periodic inspections.

2006 – 2009 | Supervising Engineer, P.E.

➤ **Water Quality Manager** - (July 2006 – October 2009)

Managed a group of 25 employees that were responsible for the following functions:

- Regulatory sampling and compliance; developed and implemented a water quality response plan to rescind a Boil Water Notice after Hurricane Ike.
- Implemented and managed system maintenance functions to improve water quality conditions.
- Coordinated with Public Works leadership team to troubleshoot, and respond to water quality issues from City Council or the Mayor's Office.
- Provided technical support to coordinate, justify, and implement critical DWO CIP projects. Participated as DWO representative in monthly CIP project meetings to update status of DWO projects to other division stakeholders.

Weston Solutions

1999 – 2006 | Project Manager/Project Engineer (P.E.)

Seven (7) years of construction management and engineering experience in various aspects of civil engineering, including:

- Management of capital projects for Federal and Industrial Clients; proposal preparation, work plan preparation, sampling and analysis plans, quality assurance plans, and technical reports.
- Preparation of plans and specifications for the construction of industrial water treatment plants.
- Field implementation, QA-QC review and construction oversight, including H&S responsibilities and managing subcontractors for remediation projects.

MARSCO INC.

1998 – 1999 | Geotechnical Engineer (EIT)

One (1) year of engineering experience in the geotechnical engineering industry, including:

- Extensive travel throughout the Gulf of Mexico to conduct offshore soil investigations and evaluation of soil properties.
- Development of engineering parameters and performance of design calculations to evaluate and recommend foundation conditions for future offshore construction projects.

Additional Training/Key Presentations

- Presented numerous papers at national and state wide AWWA conferences.
- Maintain a Class A Water License.

Professional Affiliations/Interests/Awards

- 2021 Chair of the Texas Section of American Water Works Association (AWWA)
- 2020 Vice Chair of the Texas Section of American Water Works Association (AWWA)
- Interviewed by CBS National News in September 2017 for Hurricane Harvey Response
- 2017 Recipient of Engineering News Record (ENR) of 25 Newsmaker
- Young Professional Engineer of the Year in 2011 – Houston Chronicle
- Past president - Southeast Chapter of the Texas Section of AWWA and Trustee.
- Nominated for Houston's Engineer of the Year by Southeast Chapter of TAWWA