



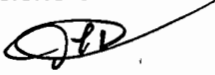
ORANGE COUNTY MAYOR

**Jerry L. Demings**

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October 14, 2021

TO: Board of County Commissioners

FROM: Mayor Jerry L. Demings 

SUBJECT: **CONSENT AGENDA ITEM – October 26, 2021**  
Managerial Appointment – Utilities Department

I am pleased to announce the appointment of Iulia Siemen, CGC, P.E., as the manager of the Utilities Water Division. This division provides water service to a population of more than 720,000 with a team of more than 130 employees. The division manages 21 facilities, including 11 water supply facilities, six storage and repump facilities, three booster stations, and one aquifer storage and recovery facility. The division also handles the operation of a nationally certified laboratory that provides services to Utilities' clients and other county departments, governmental agencies, and utilities around the state. Additionally, the Water Division is responsible for water conservation and water quality efforts.

Ms. Siemen has 19 years of professional management and leadership experience within the private and government sectors in process design, engineering, construction, and operations. Ms. Siemen came to Orange County as an assistant manager of the Water Division after a career of progressively responsible roles in the engineering field, including nine years as the Director of Water Treatment Facilities at SeaWorld.

Ms. Siemen holds a bachelor's degree in chemical engineering from the University of Florida, is a State of Florida licensed Professional Engineer and Certified General Contractor, and a Certified Stormwater Management Inspector. She also has professional affiliations with the American Water Works Association, American Institute of Chemical Engineers, Society of Women Engineers, Aquatic Animal Life Support Operations, and is a founding member of SeaWorld's Blue Team conservation initiative.

Ms. Siemens' appointment will be effective the first full pay period after Board approval at an annual salary of \$129,001.60. Her resume is attached for your reference.

**ACTION REQUESTED: Confirmation of the Mayor's managerial appointment of Iulia Siemen, CGC, P.E, as Manager, Water Division, Utilities Department**

Attachment

cc: Byron W. Brooks, AICP, County Administrator  
Chris Testerman, AICP, Deputy County Administrator  
J. Ricardo Daye, Director, Human Resources Division

# Iulia R. Siemen, P.E.

10306 Pointview Ct  
Orlando, FL 32836  
(407) 361-7383  
[Iulia.Siemen@ocfl.net](mailto:Iulia.Siemen@ocfl.net)

## SUMMARY

An experienced professional with more than eighteen years of progressively increasing responsibility in water production, water treatment facilities, maintenance and project management. Highly successful at completing multifaceted projects and surpassing operational goals by developing and leading highly efficient teams providing technical expertise. Experience in dealing with complex permitting issues and governmental agencies, establishing internal standards and best practices. Proven track record of implementing strategic objectives and leading organizational changes.

## EDUCATION

Bachelors of Science in Chemical Engineering - University of Florida 2002, graduated with High Honors

## CERTIFICATIONS

- State of Florida Professional Engineer License #91849
- State of Florida Certified General Contractor License #CGC1519156
- State of Florida Certified Pool Operator #CPO-131983
- Certified Stormwater Management Inspector # 20974

## EXPERIENCE

*Orange County Utilities, August 2020- present*

### **Assistant Manager, Water Division**

- Assist with planning, coordinating and directing the daily operations of water production, laboratory, conservation and cross connection groups through the organization's section managers
- Responsible for leading the development of the division Business Plan in conjunction with the division manager and all the section managers and participate in implementing current and long term strategic goals and objectives to support the Business Plan
- Oversee the recruitment and hiring of talent for the division
- Lead various projects in the division such as the drone project, beta testing of e-sens field instrumentation, development of the WIN dashboard
- Support the Maximo Leadership Initiative – to be fully implemented within the Water Division and across all other divisions within the Utilities Department
- Participate in the Water Quality Optimization efforts as they are being developed and vetted out by the Water Division in concert with the Engineering and consulting teams
- Prepare and review reports and operating/production data for the organization and compares them to the established objectives and standards
- Assist in promoting the division throughout the industry; serve as division representative with governmental and regulatory agencies
- Actively involved with FSAWWA and the Contaminants Committee

*Sea World of Florida, August 2011-August 2020*

**Director - Water Treatment Facilities**

- Responsible for the operation and maintenance of Animal Life Support Water Treatment systems that support the marine animal collection, adhering to federally established water quality guidelines as well as best practices based in the zoological and water treatment community
- Strategically lead the Water Quality Operations, dive teams, mechanical and automation teams across three parks to improve their operating efficiency, find synergies and improve their labor model
- Responsible for all fresh and saltwater exhibits and habitats at the 3 SeaWorld parks in Orlando (SeaWorld, Discovery Cove and Aquatica)- treating over 25 million gallons of water
- Effectively managed the yearly \$10 million labor and expense budget (OPEX) as well as the Capital Improvement Plan for the department
- Provided technical expertise on filtration, disinfection methods, water chemistry and reverse osmosis
- Technical consultant on research projects- Shark Encounter denitrification process, Orca Encounter dynamic habitat conversion and Aquatica ceramic filtration
- Actively engaged with the various teams at an individual level to develop future leaders, multifaceted employees and best utilize their skills
- Accountability and commitment to hiring, train, mentor and lead a varied and diverse staff of over 100 team members

*Sea World of Florida, January 2006-August 2011*

**Project Manager - Design and Engineering**

- SeaWorld Manta Aquarium and Roller Coaster (\$54 million)
  - Managed the Construction phase, delivering the project three weeks earlier and on budget. The project included a new saltwater 300,000 gals ray aquarium with its Life Support System, live coral aquarium and various jewel tanks- all housed in a themed building that also served as a queue line for the new roller coaster.
  - Acted as General Contractor and Owner Representative between B&M Coaster manufacturer, Superior Rigging and Erecting and HJ Foundations contractor
  - Successfully interacted with all departments and disciplines at SeaWorld to fully integrate the new realm into the center of the park while being sensitive to guest impact, animal health and employee safety
  - Interacted with government agencies and acted as liaison with these entities to bring the project to completion
- Discovery Cove Grand Reef (\$23 million)
  - Managed the entire project from Concept Design phase through Construction, delivered it on schedule and budget. The project included a new saltwater animal interaction exhibit with its Life Support System
  - Worked with Florida Department of Environmental Protection on the groundwater remediation program – Discovery Cove was an active remediation site
  - Led the research and development effort for the removable coral pieces, a unique feature of all SEA animal exhibits
  - Managed the sourcing and integration of the innovative underwater helmet "Sea Venture" experience into the Grand Reef
- Discovery Cove Freshwater Oasis (\$8.4 million)
  - Led the design team from concept phase through Construction Documents
  - Managed the Bidding, Permitting and Pre-Construction phases. The project remodeled the existing saltwater reef exhibit and retrofitted the current Life Support System into a freshwater, chlorinated system. The project also included Marmoset and Otter exhibits.

*Anheuser-Busch Jacksonville Brewery February 2005-January 2006*

**Process Control Manager - Brewing**

- Developed and scheduled labor requirements for Local Union maintenance staff and operators within the guardrails of their labor union contract
- Ordered and maintained rigorous weekly and monthly inventory of all critical brewing materials, staying within budgetary restraints.
- Overhauled the grain inventory system by changing all level transmitters in the grain bins and running densities on all grain types.

*Anheuser-Busch Jacksonville Brewery April 2002-February 2005*

**Brewing Group Manager - Brewing**

- Planned, initiated, supervised and troubleshot production of fourteen unique brands of beer in a twenty-four-hour operating facility with a capacity of 8.3 million barrels per year
- Provided training to over fifty production operators in the use of Root Cause Analysis used to determine and prevent future process deviations
- Managed Brewhouse, Fermenting Cellar, Lager Cellar and Finishing Cellar operations and personnel throughout rotating twelve-hour shifts.
- Designed and implemented the currently used online Shift Relief Report where all process deviations were logged and variance explanations were provided using the trending tools by the operators
- Participated in early Central Control Room design meetings and Blue Ocean Initiative meetings to consolidate brewing operator's responsibilities and run a leaner production line.
- Managed over forty Local Union 947 maintenance & operators, providing assistance and consulting for project development and equipment specifications

**PROFESSIONAL MEMBERSHIPS**

- Member of American Water Works Association, AWWA
- Volunteer for the Florida Section of American Water Works Association, FSAWWA
- Founding member of SeaWorld Blue Team conservation initiative
- Member of the American Institute of Chemical Engineers, AIChE
- Member of the Society of Women Engineers, SWE
- Member of the Aquatic Animal Life Support Operators, AALSO

**SKILLS & PROFICIENCIES**

- Proficient in SAP CMMS
- KRONOS experience
- Working knowledge of MAXIMO CMMS
- Previous experience with eBuilder for Project Management
- Fluent in Romanian