R. Christopher Sharek, P.E., BCEE, PMP, ENV SP

Principal

Progressive Water Resources
Integrated Water Resource Consultants

Professional Credentials

Professional Engineer License No. 58170
Board Certified Environmental Engineer (BCEE)
Project Management Professional (PMP)
Envision Sustainable Professional (ENV SP)

Education

M.S., Water Resources Engineering, University of Central Florida, 1998
B.S., Environmental Engineering, University of Central Florida, 1996

Areas of Expertise

Utility Engineering • Pressurized Hydraulic Modeling • Water Distribution & Wastewater Collection Systems • Deep Injection Well Pumps and Piping Systems • Utility Permitting and FDEP Consent Order Tracking •

Project Experience

OVERVIEW – Mr. Chris Sharek has over 20 years of engineering experience in southwest Florida including design, construction oversight, and ownership and maintenance responsibilities of potable, wastewater, and reclaimed water systems. Other experience includes performing technical design, permitting, and construction observation for utility relocation, paving, stormwater, and roadway improvement projects. He is the former President of Sharek Solution, Inc. and is currently a Principal of Progressive Water Resources, LLC.

Mr. Sharek was also the Utilities Manager for the City of Venice, Florida. He oversaw a staff of 74 and assisted with the implementation of a radio-read meter exchange program, which enabled the City to install radio-read meters throughout its entire utility system. In the role of Assistant City Engineer for the City of Venice, Mr. Sharek was responsible for technical design, permitting, and construction observation for utility relocation, paving, stormwater, and parking lot improvement projects. His specific duties included:

- Administered a unique management service contract involving overseeing the operation and maintenance of the city's potable, wastewater, and reclaimed water systems.
- Conducted technical review and concurrency management of all utility matters for private development projects within the city.
- Analyzed trends and tracked developmental impacts to the city's water and wastewater plant capacities.
- Recommended expansions, upgrades, and improvements as necessary to maintain level of service to the community.
- Managed capital improvement for the water distribution division, including providing assistance to consulting engineers, contractors, and land development professionals.
- Formulated and evaluated short- and long-term strategies for improving, modifying, or expanding city utility infrastructure and plant facilities to meet increasing demands.
- Provided technical review of utility infrastructure for private development and public improvement projects.

Mr. Sharek teaches mathematics as an adjunct professor at the State College of Florida (formerly Manatee Community College). He remains actively involved and served as a past president of the local American Public Works Association and American Society of Civil Engineers SunCoast Branches. He is also a graduate of the Leadership Sarasota and Leadership Manatee Programs and currently serves as President Elect for ASCE State Section and on the Manatee Chamber Board of Directors.

Sarasota County – Central County Deep Injection Well – Mr. Sharek was the Client Services Manager for Sarasota County. While working with the hydrogeologic staff, he developed work assignments for permanent above-grade piping, valving, and appurtenances as well as the design of an improved pump station for the deep injection well. He supported hydrogeologic efforts with FDEP to secure the exploratory well permit and then development of the operations and maintenance requirements to maintain

permanent capacity. Mr. Sharek provided permitting coordination with FDEP and engineering support along with County and hydrogeologic staff.

City of Sarasota – Deep Injection Well & Pump Station – Mr. Sharek was the Client Manager working with the City of Sarasota and internal hydrogeologic staff to complete the preliminary design, well siting, design, permitting, and construction oversight for the City's first Deep Injection Well. He provided extensive coordination with City staff, FDEP, SWFWMD, and hydrogeologic staff to successfully construct this exploratory well to dispose of wet weather reclaimed water in addition to the brine concentrate from the water treatment process. This solution was developed after continued discussions with regulatory staff about discharge exceedance limits into surface water bodies. Therefore, the deep injection well solved both problems – disposal of brine, as well as disposal of wet weather reclaimed water, while meeting all timeline requirements of the FDEP Consent Agreement.

Sarasota County – Carlton Wellfield Expansion - As project manager and lead technical professional, Mr. Sharek provided design, permitting, and construction management services for this project involving hydraulic modeling and evaluation of the existing wellfield collection system, planning for future capacities, wellhead design, coordination with hydrogeologists, and pump selection.

City of North Port – Northeast Water Booster Station - As program manager for the NE Water Booster Station task assignment under this master contract, Mr. Sharek was responsible for bid and construction phase services. This on-call contract involves preparing and processing permits as engineer-of-record; performing engineering analysis of alternatives; preparing preliminary engineering and other designs; estimating project costs; preparing contract documents; certifying, signing, and sealing documents prepared; conducting studies and investigations; and performing any other miscellaneous engineering services assigned by the City of North Port.

FDOT District Seven (Hillsborough County, FL) – Selmon / I-4 Connector Roadway Utility Relocations – Mr. Sharek served as Client Manager working with the City of Tampa through a Joint Project Agreement with FDOT to relocate $3M worth of City water and wastewater utilities to make room for the 1.5-mile elevated roadway. As the bridge contract allowed four different types of foundations, the utility relocations were required to be designed to accommodate any of the four scenarios. Extensive coordination with City and FDOT staff was required in order to successfully relocate the utilities while minimizing the impact to the utility customers during construction.

Sarasota County – Solid Waste Engineer of Record – Mr. Sharek was the Client Services Manager working with the Sarasota County Solid Waste staff on varying assignments including their active and inactive landfill sites. Projects included the design and construction of a public park located on the closed landfill, various stormwater improvements, borrow pit design and permitting, leachate pumping and pipeline improvements, construction oversight, and various studies, evaluations, and recommendations. He served the County for over three years in this capacity. Mr. Sharek provided coordination with County staff, FDEP and SWFWMD staff to successfully construct these infrastructure improvements.

City of Sarasota – Engineer of Record for Miscellaneous Assignments – Mr. Sharek served as Client manager working with the City of Sarasota staff on varying assignments including potable water main improvement design, pump station design and construction, state permitting of surface water discharges, ground storage tank design and construction, and various studies, evaluations, and recommendations. He served the City for over seven years in this capacity. Mr. Sharek Provided extensive coordination with City staff, FDEP, SWFWMD, and FDOT staff to successfully improve utilities while minimizing the impact to the utility customers.

City of Sarasota – Advanced Wastewater Treatment Facility (WWTF) Improvements (Wastewater Treatment Plan Air Strippers and Wastewater Treatment Plant Centrifuges) - As program manager, Mr. Sharek is assisting the City in completing the work to meet Florida Department of Environmental Protection's (FDEP) deadlines. This project consists of providing design, permitting, and construction management services for replacement of the two existing biosolids dewatering belt filter presses with new high-speed centrifuges. Also, the addition of plant effluent air strippers for total trihalomethane removal during plant surface water discharge, particularly for removal of chlorodibromomethane and dichlorobromethane to meet FDEP's 62-302.530 for Surface Water Criteria.