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Water Overview

Halff professionals provide innovative water solutions to clients from more than 30 offices throughout the South. Our subject matter experts and design professionals provide guidance across the spectrum of water related needs, including supply, quality, treatment, storage, pumping and distribution.

Founded in 1950 and more than 1,400 employees strong, we are committed to shaping communities, revitalizing urban neighborhoods and generating economic growth through smart, market-based land development, infrastructure and quality of life solutions. With over 256 Water professionals, we are dedicated to the advancement of water. We pride ourselves on possessing the capabilities and expertise that create a vision for our clients' planning projects and then making those visions reality.



ESTABLISHED IN 1950

1,400+ EMPLOYEES

30+ OFFICES



Location:
The Villages, FL

Gibson Place Utility Company Wastewater Treatment Plant, Phase 1 & 2

Halff provided design, permitting and construction oversight services for this greenfield WWTP project, which included a 2.0 mgd **Phase I**, and a 2.0 mgd **Phase II** expansion. The treatment process provides biological nutrient removal of nitrogen utilizing a modified Ludzack-Ettinger process utilizing anoxic basins and oxidation ditches. The project was fast-tracked for The Villages in order to keep up with the rapid pace of development (3,000+ homes are constructed annually). The project was delivered utilizing a progressive design-build collaborative delivery method.



Location:
City of Tavares, Florida

Woodlea Road Water Reclamation Facility

Halff provided design, permitting and construction administration services for the Woodlea Road Water Reclamation Facility expansion. This project expanded an existing facility from 1.0 mgd to 3.0 mgd, upgrading to tertiary treatment to supply reclaimed water. The treatment process provides biological nutrient removal of nitrogen through a modified Ludzack-Ettinger process utilizing anoxic basins and oxidation ditches.

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Rob Ern Jr.
PE, DBIA

Water/Wastewater Deputy Practice Leader

Location: Tavares, FL
Experience: 30 years



Troy Mitchell
PE

Senior Civil Engineer

Location: Tavares, FL
Experience: 29 years



Michael Scullion
PE, DBIA, BCEE

Senior Project Manager

Location: Tavares, FL
Experience: 18 years



Randy Coslow
PE

Water/Wastewater Team Leader

Location: Tavares, FL
Experience: 19 years

Wastewater Collection

- Gravity sewer design
- Gravity sewer rehabilitation
- Septic to sewer
- Wastewater pump stations
- Hydraulic modeling
- Condition assessments

Wastewater Treatment

- Screening
- Grit removal
- Biological treatment
- Filtration
- Biosolids processing
- Chemical treatment

Effluent Disposal

- Reclaimed water storage
- Reclaimed water pumping
- Reclaimed water distribution
- Hydraulic modeling
- Effluent Disposal — sprayfields/ rapid infiltration basin (RIB's)



Location:
Jacksonville, FL

Mayport Naval Station Wastewater Treatment Plant

Halff provided comprehensive design and permitting services for the Mayport NS WWTP upgrades. The project is a progressive design-build project with Garney Construction. Scope includes upgrades and major rehabilitation of an existing 2.0 mgd wastewater plant with a surface water discharge to the St. Johns River. Halff upgraded the filtration to remove nutrients and metals from the effluent. Additionally, Halff is designing a deep injection well for future effluent disposal.



Location:
Sumter County, FL

Central Sumter County Utility (CSU) & North Sumter County Utility (NSU) Treatment Plants

Both projects included master planning of all facilities and components for expansion to ultimate flows. CSU WWTP scope included preliminary and final design, preparation of construction plans, permitting and construction management for a new 1.60 mgd plant. NSU WWTP scope included preliminary and final design, preparation of construction plans, permitting and construction management for a new 1.5 mgd plant with a subsequent expansion to 2.8 mgd.

We improve lives and communities by turning ideas into reality.