

Chad A. Hastings, P.E.

Chad Hastings is a licensed professional civil engineer with over 19 years of experience in utility operations, maintenance, maintenance planning, management, engineering design and analysis, and construction management.

Professional Accomplishments

Responsible for the design, specification and permitting for wet and dry storage wood yard projects in Vicksburg, Mississippi; Pensacola, Florida; and Valliant, Oklahoma. These projects included site grading, hydrologic and hydraulic modeling, pump station, piping, roads, and ponds.

Responsible for the design and specifications for wastewater equalization basin projects in Sherwood and Wynne, Arkansas. This project included site grading, hydrologic and hydraulic modeling, pump stations, and piping.

Responsible for the design, specifications, permitting, and engineering inspection for various water transmission and distribution extension projects in Arkadelphia, Black Rock, Malvern, and Portia, Arkansas as well as Idabel, Oklahoma.

Responsible for the design and specifications for wastewater pump station rehabilitation projects and gravity sewer extensions in Arkadelphia, Southside, Cabot, Jacksonville, Hot Springs, Lost Bridge Village, Arkansas; and Broken Bow, Oklahoma.

Conducted multiple drinking water treatability studies for Central Arkansas Water of Little Rock, Arkansas in conjunction with Carollo Engineers and Jacobs Engineers.

Responsible for the design of a natural gas distribution system for Sharp County, Arkansas.

Responsible for the design and construction management for various plant modifications for Onondaga Cogeneration in Syracuse, New York.

Design of open channel modeling software. Performed flood flow modeling of various channels on Mars for Dr. James Hasset of Syracuse, New York.

Conducted thermodynamic and hydraulic analysis of the overall plant process and various plant components for Onondaga Cogeneration in Syracuse, New York and U.S. Navy's SSBN nuclear submarine power plant.

Professional Experience

Affiliated with Crist Engineers, Inc. since 2007 as a Staff Engineer and in 2015 as an Associate. Responsibilities include planning, design, permitting and construction management of water treatment, distribution, wastewater treatment and collection, storm water conveyance, and industrial and natural gas system projects.

Education

Bachelor of Science in Environmental Resource and Forest Engineering, Summa Cum Laude, State University of New York - College of Environmental Science and Forestry in Association with Syracuse University, Syracuse, New York, 2006.