

Bio and Abstract

2020 FWEA Wastewater Process Seminar
Back to Wastewater Process Fundamentals
10/22/2020

12:00 PM to 12:30 PM Wastewater Treatment Facility Basis of Design Fundamentals – *Bartt Booz, PE (Wright-Pierce)*

Bio: Bartt is Senior Project Manager at Wright-Pierce and serves in Wright-Pierce's wastewater practice group. Bartt has served as a consulting engineer for over 25 years, 17 of which have been with Wright-Pierce. He specializes in the study, design, construction administration and operation of municipal wastewater facilities and has designed unit process upgrades or new plants ranging in size from 0.1 MGD to over 100 MGD. Bartt has served as project manager or lead project engineer on over 50 multi-discipline wastewater treatment facility upgrades. Born and raised in southern New Jersey, Bartt has a Bachelor of Science degree in Bioenvironmental Engineering from Rutgers University, College of Engineering.

Abstract: In keeping with the theme of this year's 2020 FWEA Wastewater Process Seminar, this presentation will provide an overview of the essential information necessary to complete a sound Basis of Design for a successful wastewater treatment facility upgrade. How do you define what success looks like? How do you maximize the use of existing data and information, and how do you go about filling in the gaps to develop a design basis? This presentation will summarize how to: identify the purpose of a project, summarize discharge standards/permit limits that impact your project, evaluate flows and loads, review as-built information and its limitations, evaluate existing conditions and plant hydraulics, analyze alternatives and develop a preferred solution. Lessons learned will be shared from successful past projects.