



UAA Professional Development Seminar Series



Incorporating Biological Treatment into the UAA Alaska Water Sewer Challenge System

Presented by [Prof. Aaron Dotson](#)

During spring & summer 2018, the UAA team modified the demonstration scale in their Alaska Water Sewer Challenge water reuse system, replacing physical surfactant removal with sedimentation and a sequencing biological reactor. This modification resulted in a system configuration able to meet the Department of Environmental Conservation's design targets for capital cost, operating & maintenance cost, and minimize water/wastewater haul. This presentation will describe the modification, its associated challenges/successes, and on-going work on the project, funded by the Department of Environmental Conservation and the National Science Foundation.

Friday, September 21, 2018

11:45am - 12:45pm

UAA College of Engineering, EIB 211