

"The Impacts of Alkalinity, Volatile Acids, Nitrification, & Denitrification on Wastewater Treatment" Live Online Workshop

With the strict nutrient controlling regulations many wastewater treatment operations are looking towards biological denitrification processes. The alkalinity of wastewater can be used as a process indicator and drives several biological processes. In this workshop we will discuss how these parameters and processes impact each other and how they can be utilized to achieve higher treatment quality.

During this workshop we will discuss:

- Alkalinity
 - Definition
 - Analytical methods
 - Biological effects on alkalinity & pH
 - Wastewater treatment plant effects on alkalinity
- Volatile Acids
 - Definition
 - Analytical methods
 - Wastewater treatment plant effects on volatile acids
- Nitrification / Denitrification
 - Nitrogen species
 - Nitrifying & denitrifying organisms
 - Chemistry behind nitrification / denitrification
 - Factors affecting nitrification / denitrification
 - various approaches to nutrient removal

This 3 hour live online “The Impacts of Alkalinity, Volatile Acids, Nitrification, & Denitrification on Wastewater Treatment” workshop is part of a series of workshops focusing on microscopy as a tool in wastewater treatment.

Where: Live online

Date: October 5, 2021

Time: 12:00 pm to 3:15 pm PST

Instructor: [Victor Santa Cruz](#)

Fee: \$100

CEUs: Wastewater & Drinking Water CEUs (WA & NM)

WA Dept. of Ecology Course ID: Meets Criteria for WA Wastewater Treatment Plant Operators CEU requirements, 0.3 CEUs requested

NMED UOCP: 3.0 Training Credits approved

OR OESAC ID: Meets Criteria for WA Wastewater Treatment Plant Operators CEU requirements, 0.3 CEUs requested

Registration: online: www.pro-train.org; phone: (360) 490-2426; email: erika@pro-train.org

Contact: erika@pro-train.org or (360) 490-2426