

## Kennedy Jenks Technical Workshop #1

### **SUPPORTING DOCUMENTATION**

#### **Instructor Bios**

Chris Stoll, PE, PMP, ENV-SP

Chris is a registered professional engineer in the States of Washington and Oregon and has 12 years of experience as a civil engineer, specializing in the planning and design of wastewater treatment facilities, water reuse facilities, and potable water treatment facilities. Recent project work has been focused on water reuse, combined sewer overflows, and potable water treatment systems.

David Seymour, PE, PMP

David is a registered professional engineer in the States of Washington and Hawaii and has over 17 years of experience as a civil engineer, specializing in the planning and design of wastewater treatment facilities. David has worked at over 35 different wastewater treatment facilities, ranging in size from 0.5 mgd to 250 mgd. David's recent experience includes facilities planning of BNR upgrades, design and construction support of WWTP upgrades, and performance optimization of operating WWTPs.

Luke Werner, PE

Luke is a registered professional civil/environmental engineer in the State of California with experience in wastewater treatment projects. Luke Werner has focused his career at the forefront of evaluating and utilizing digester biogas as a part of a comprehensive approach to asset and energy management programs for wastewater treatment plants. Luke's extensive experience solids-handling systems at existing wastewater facilities, including sludge thickening and conditioning, anaerobic digestion, dewatering, and development of grease and food waste receiving programs for co-digestion.

#### **Timeline**

2 hours

#### **Agenda**

9:00 am      **So you think you can nitrify? Start-up of a greenfield MBR for BNR**

Presenter: Chris Stoll  
[chrisstoll@kennedyjenks.com](mailto:chrisstoll@kennedyjenks.com)  
32001 32<sup>nd</sup> Ave South, Suite 100  
Federal Way, WA 98001

10:00 am      **Food for Thought: Make Your Digesters Happy with Co-Digestion**

Presenters: David Seymour, Luke Werner  
[davidseymour@kennedyjenks.com](mailto:davidseymour@kennedyjenks.com)  
1201 2<sup>nd</sup> Avenue, Suite 700  
Seattle, WA 98101  
[lukewerner@kennedyjenks.com](mailto:lukewerner@kennedyjenks.com)  
240 Country Club Rd, Suite A

Eugene, OR 97401

11:00 am      Close

**Course Synopsis:**

The Workshop includes two hours of presentations on wastewater related topics. The topics were chosen to provide content that is applicable and timely to wastewater operators, designers, and other industry professionals. It begins a project overview that involves the design and start-up of a greenfield membrane bioreactor (MBR) wastewater treatment plant that includes biological nutrient removal (BNR) and features a zero discharge strategy. The second presentation gives an overview of the design and operation of co-digesters. The outcomes for each of the three presentations include increasing attendee's knowledge of MBRs, BNR processes, and co-digestion, respectively.

**Tracking Attendance on Webinar:**

The Workshop will be moderated by Andrew Perez, PE, PMP (Kennedy Jenks) who will track participants and collect the necessary information needed for CEUs.