



Residuals and Biosolids 2020

Digital Conference Agenda

(Updated May 4, 2020)

Session 01: The Science of PFAS

Moderator: George Sprouse, Metropolitan Council of the Twin Cities

- **An Investigation of PFAS: Public Health and the Environment**
Joshua Burns, Eamon Twohig, Vermont Department of Environmental Conservation
- **PFAS Wastewater Residuals Fate and Transport Model Evaluation: Strengths and Weaknesses of Available Models to Characterize the Fate and Transport of PFAS from Land-Applied Wastewater Residuals**
Chris Shepherd, Arcadis
- **Communicating PFAS in Biosolids**
Michael McGill, WaterPIO

Session 02: Biosolids Management Success Stories

Moderator: Jeffrey LeBlanc, Denali Water Solutions

- **Planning for the Future While Managing a Successful Biosolids Program**
Engin Guven, Black & Veatch; Mike Engelmann, Pinellas County Utilities; Greg Knight; Megan Ross, Pinellas County Utilities; Michael Tache, Black & Veatch
- **Keeping it Simple (at least trying to) – Salt Lake City’s Biosolids Plan**
Charles Goss, AECOM; Michelle Barry; Jamey West, City of Orem; Paul Barsalou, James Marx, AECOM
- **Improving System-Wide Flexibility through Holistic Biosolids Planning for the Metropolitan District of Greater Cincinnati**
Natalie Sierra, Brown and Caldwell; Matthew Spidare, Metropolitan Sewer District of Greater Cincinnati; Tracy Chouinard, John Ross, John Willis, Timothy Koch, Brown and Caldwell

Session 03: Intensification and Advanced Topics in Anaerobic Digestion

Moderators: Manny Moncholi, City of Houston; Richard Tsang, CDM Smith

- **Data Consolidation and Predictive Modeling Approaches for Multi-Feed Anaerobic Digestion**
Alex Rosenthal, Oliver Schraa, inCTRL Solutions Inc.; Michael Ogurek, Ifak; Mirzaman Zamanzadeh; Leiv Rieger, Ivan Miletic, inCTRL Solutions Inc.
- **Finding the “Right-Fit” Digestion Solution for WSSC’s THP Project Balancing Design Requirements**
Amy Hanna, Hazen and Sawyer; Kevin Selock, WSSC; Matthew Vanhorne, Hazen and Sawyer; Stanley Dabek, WSSC; C. Michael Bullard, Hazen & Sawyer; Joseph Uglevich, Stantec
- **State Estimation in Anaerobic Digesters - Identification of Patterns in Anaerobic Digestion**
Christian Hubert, Bettina Steiniger, Christian Schaum, Universität der Bundeswehr München
- **Shared US and UK Experiences on Optimizing Anaerobic Digestion Following Thermal Hydrolysis. An Additional Factor to be Considered**
Keith Panter, Cambi; Matthew Higgins, Bucknell University; William Barber, Cambi; Paul Fountain, Achame Shana, Thames Water

Session 04: Energy Production - Making it Work - Economics, Regulations, Equipment, Gas Quality

Moderator: Nancy Andrews, Brown and Caldwell

- **Making Cogeneration Economics Work in Today’s US Electric Market**
Eric Auerbach, Arcadis; Todd Krenelka, City of Columbus Department of Public Utilities
- **Coney Island Digester Gas System Hydraulics and Mass Flux Evaluation**
Joshua Registe, Kenneth Smith, CDM Smith

Session 05: Codigestion of Food Waste and Sludge

Moderator: Anna Munson, Wenck

- **Food Waste Co-Digestion at Water Resource Recovery Facilities: Results from the Goleta Sanitary District Pilot Project**
Kim Domptail, GHD; James Dunbar, Alex West, Lystek International Inc
- **Coming Full Circle – Diverted MSW Organics to RNG Fuel for Refuse Trucks in Mesa, AZ**
Shayla Allen, Arcadis; Niel Curley, Tom Sheber, City of Mesa, Arizona; Eric Auerbach, Arcadis
- **Co-Digestion Screening Using an In-line Sludge Screen**
Ed Fritz, Chip Pless, Huber Technology, Inc

Session 06: Nutrient Recovery

Moderator: John Willis, Brown and Caldwell

- **Incineration of Biosolids Provides a Pathway for Maximum Phosphorous Recovery from Water Reclamation Facilities: A German Approach**
Webster Hoener, Black & Veatch; Christian Kabbe, EasyMining
- **Beer, Cheese and Applesauce...Utilizing High Strength Waste to Enhance Struvite Recovery: Results of Bench Scale and Pilot Studies**
Nicole Ringle, City of St Cloud; Derek Lycke, Ostara; Tracy Hodel, City of St Cloud
- **Vacuum Application During Fermentation for Volatile Fatty Acid Recovery**
Frances Okoye, Elsayed Elbeshbishy, Ryerson University; Domenico Santoro, Eunkyung Jang, Trojan Technologies

Rapid Fire Mobile Session

- **Novel Technology Shows Unprecedented Results in Biosolids Reduction-4 Case Studies**
Rob Whiteman, ABS Inc
- **Novel System for Phosphate Sequestration and Biogas Capture from Anaerobically Digested Sludge**
Mudit Gangal, Ovivo