



## **Mid-Atlantic Biosolids Association Presents:**

### **Maximizing the Value and Opportunity of Biosolids Webinar Series Tuesdays & Thursdays July 2<sup>nd</sup> – August 4<sup>th</sup>**

#### **Webinar Series**

The MABA Webinar Series will bring national experts, university scientists, regulators, technologists and consultants to the Zoom platform to share information that will provide attendees with up-to-the-minute information on issues and technologies in biosolids.

Each webinar will include two-30 minute presentations, capped by a 15 minute technology introduction. Topics include PFAS, digestion, nuisance control, thermal treatments, and carbon and energy balancing. The webinars will be held on **Tuesdays and Thursdays from 12:00 pm - 1:15 pm EDT from July 2<sup>nd</sup> thru August 4<sup>th</sup>.**

#### **Cost**

##### **Member:**

\$70/entire webinar series  
\$10/individual webinar

##### **Non-member:**

\$140/entire webinar series  
\$20/individual webinar

##### **Education:**

Continuing Education Credits  
pending

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## **Registration**

<https://www.mabiosolids.org/events>

For biosolids information, visit [www.mabiosolids.org](http://www.mabiosolids.org)  
**For assistance in registration and how to join, call:**  
845-901-7905 or email William Toffey: [wtoffey@mabiosolids.org](mailto:wtoffey@mabiosolids.org)

# Program

## Thursday, July 2<sup>nd</sup> | The Global and National Context for Biosolids

Sustainable Agroforestry: The Nexus of Food, Water and Energy in Forestry Management

**Michael Jacobson**, The Pennsylvania State University, Department of Ecosystem Science and Management

Blockchain Biosolids: How Digital Technology Can Revolutionize Biosolids Management

**Bill Toffey**, Mid Atlantic Biosolids Association

## Tuesday, July 7<sup>th</sup> | UPDATE: Biosolids Regulations and Nutrient Management

EPA's Reinvestment in the Biosolids Program

**Elizabeth Resek**, US EPA Central Office

Land Management Strategies for Mitigating Phosphorus Release to Waters

**Amy Shober**, University of Delaware

## Thursday, July 9<sup>th</sup> | PFAS and Biosolids

PFAS in Wastewater and Biosolids

**Scott Grieco**, Jacobs

Is Complete Destruction of PFAS in Sludge Possible? Experimentation and Challenges of Combining Thermal Dryer and Thermal Oxidation to Treat PFAS Laden Sludge

**Sudhakar Viswanathan**, Veolia

## Tuesday, July 14<sup>th</sup> | Oxidative Processes for Biosolids Management

Potassium Ferrate: An Environmentally Friendly Strong Oxidant and Disinfectant

**Donald C. Rhule**, Rhule, LLC

The Evolving Role of Regional Biosolids Incineration

**Ian Piro**, Isle Utilities

## Thursday, July 16<sup>th</sup> | Biosolids as an Recyclable End Product

Characterization of Biosolids Cake from New York City Wastewater Resource Recovery Facilities

**Zhongqi (Joshua) Cheng**, Brooklyn College of The City University of New York

Biosolids End Use – Intersection of Carbon Recycling, Soil Health and Nutrient Addition

**Ron Alexander**, Ron Alexander and Associates

## Tuesday, July 21<sup>st</sup> | Advancing Stabilization Processes

Initialization of THP and Class A Biosolids Production Within an Operating Class B Digestion Facility

**Chris Wilson**, HRSD

Influence of Thermal Hydrolysis on the Carbon Footprint of Biosolids Management

**Bill Barber**, Cambi

## Thursday, July 23<sup>rd</sup> | Controlling Biosolids Nuisances and Magnifying Benefits

Carbon Sequestration Potential through Biosolids Composting

**Noel Lyon**, McGill Environmental Systems

Managing the PILE! Meeting VAR and Pathogen when Process Control is Limited

**Trudy Johnston**, Material Matters

## Tuesday, July 28<sup>th</sup> | Managing Biosolids Composting for the Long-Term

Strategic Planning and an Environmental Management System lead Chicago to Composting for High Quality Class A production

**Dan Collins**, Retired - MWRD Chicago

Examining Common Compost Testing Challenges and the Need for Performance-based Design

**Charles Duprey**, NaturCycle

## Thursday, July 30<sup>th</sup> | New Approaches fto Digestion Optimization

Optimizing Two-Stage Anaerobic Digestion via Recycle from an Aerobic Digester

**Justin Wippo**, Thermal Process Systems

Membrane Thickening Aerobic Digestion for Class B Biosolids: A Better Mousetrap

**Edward J. Pietroski**, Entech Engineering, Inc

## Tuesday, August 4<sup>th</sup> | Innovation in Thermal Processes

Compact, Resilient, On-site Waste Treatment Using Supercritical Water Oxidation (SCWO) Technology

**Kobe Nagar**, 374Water

Pyrolysis for Biosolids Management

**Andrew Friedenthal**, Char Technologies