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Webinar Manure Management and Utilization Technologies (4) – Anaerobic Digestion Topics Part 1

Thursday October 20, 2022, 9:00 AM – 12:00 PM (EST Time)
(Certified Crop Advisor CEUs available*)

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Agricultural Anaerobic Digestion (AD) Basics (9:00-9:45 AM)

Nick Elger is the Program Manager for the U.S. EPA AgSTAR Program and serves as the Co-Chair to the Global Methane Initiative Biogas Subcommittee. Nick works with the U.S. livestock industry, state and federal agencies, and biogas industry stakeholders to advance deployment of methane recovery projects. He helps anaerobic digestion of organic feedstocks globally for methane mitigation and energy production. Nick graduated from University of Minnesota where he received his Bachelor of Science degree and is currently a Master of Business candidate at George Washington University.



Renewable Natural Gas (RNG) on Farms (9:45-10:30 AM)

Dave Lindenmuth is the Renewable Natural Gas (RNG) Services Director at EcoEngineers. He has spent more than 15 years in the energy industry with varied experiences working in natural gas, power generation, and renewables. His roles have included renewable project development, corporate business development and acquisitions, sales and marketing, and plant operations. For more information about RNG, decarbonization strategies, or EcoEngineers.



Treating Industrial Organic Waste with AD (10:30-11:15 AM)

Chad Antle, P.E. is Chief Executive Officer for BioWorks Energy (BioWorks), LLC, a Michigan based firm specializing in the design and operation of biogas production facilities that utilize organic wastes. Chad has developed detailed hands-on knowledge of both design and operations of anaerobic digestion systems in multiple markets, including agricultural, industrial and municipal. Chad has over 23 years of civil engineering and management experience including involvement in capital projects, research, and plant operations. Chad earned both his Bachelor and Master's degrees in civil engineering from Ohio University.



Techno-economic and Life-cycle Analysis of a Commercial AD Plant (11:15 AM-12:00 PM)

Dr. Wei Liao is a Professional Engineer and Professor. He is the Director of the Anaerobic Digestion Research and Education Center (ADREC), Department of Biosystems & Agricultural Engineering, Michigan State University. His group and center focus on studying integration of solar, biological and nano technologies for waste treatment and value-added fuels/chemical production. He also works on algal cultivation to reclaim water and generate value-added products, as well as innovative anaerobic cultivation systems to convert organic residues to renewable energy and other bioproducts.

*Certified Crop Advisor CEUs: 1.5 for nutrient management and 0.5 for crop management

Part 2 of this webinar series will take place on November 17, 2022, from 9 am-12 pm ET. Watch for additional details soon.

For more information about the workshop series, please contact the planning committee:

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