

2016 Education Seminar

Treatment Plants of the Future

April 19, 2016

Monona Terrace Convention Center – Madison, Wisconsin

Sponsored by: Central States Water Environment Association (a member association of WEF)

Program

8:00 – 8:10 a.m.	Welcome
8:10 – 8:45 a.m.	Flexibility and Adaptability are the Essential Elements of the Water and Resource Recovery Facility of the Future Speaker: Dr. Glen Diagger, University of Michigan
8:45 – 9:20 a.m.	Maximizing Microorganism-based Resources from used Water Speaker: Dr. Bruce Rittmann, Arizona State University
9:20 – 9:40 a.m.	Q & A
9:40 – 10:00 a.m.	Break
10:00 – 10:30 a.m.	Should Anaerobic Treatment Replace Activated Sludge? Speaker: Dr. Daniel Zitomer, Marquette University
10:30 – 10:50 a.m.	The Future is Now Speaker: David St. Pierre, Metropolitan Water Reclamation District of Greater Chicago
10:50 – 11:10 a.m.	So Really, Why do We Strive to be a Utility of the Future? Speaker: Kevin Shafer, Milwaukee Metropolitan Sewerage District
11:10 – 11:30 a.m.	Engaging the Organization and Region in the Transformation to Utility of the Future Speaker: Leisa Thompson, Metropolitan Council Environmental Services
11:30 a.m. – 12:00 p.m.	Morning Q & A
12:00 – 1:00 p.m.	Lunch
1:00 – 1:35 p.m.	How We Can Use the Water We Produce Speaker: Dr. Glen Diagger, University of Michigan
1:35 – 2:10 p.m.	Recovering the Lost P in Used Water Speaker: Dr. Bruce Rittmann, Arizona State University
2:10 – 2:20 p.m.	Q & A
2:20 – 2:40 p.m.	Break
2:40 – 3:10 p.m.	Energy Sustainability at the Downers Grove Sanitary District Speaker: Nick Menninga, Downers Grove Sanitary District
3:10 – 3:40 p.m.	The Leading Edge of Phosphorus Recovery: A Brushite Recovery Pilot Speaker: Menachem Tabanpour, Nutrient Recovery and Upcycling, LLC
3:40 – 4:10 p.m.	Q & A
4:10 – 4:20 p.m.	Closing Remarks

Total Education Time: 380 min/50 min per PDH = 7.6 PDHs

- Illinois, Minnesota, and Wisconsin Professional Development Hours for Professional Engineers: Calculated PDHs = 7.6
- Certificate of Attendance is a copy of Registration Receipt

Rachel M. Lee, Education Seminar Committee Chair