

C S W E A

# OPERATIONS SEMINAR<sub>2020</sub>

## DAY 1: SOLIDS MANAGEMENT SEMINAR

12:30 - 12:40 **Welcome / Opening Remarks**

### Solids Management Round Table

*Cody Schoepke - Superintendent - Fond du Lac Wastewater*

12:40 - 1:40

*Jared Greeno - Wastewater Treatment Superintendent - La Crosse Utilities*

*Warren Howard - Operations Manager - Marinette Water & Wastewater Utility*

*Todd MacMillian - Biosolids O&M Supervisor, Western Lake Superior Sanitary District*

1:40 - 2:15

### DNR Update on the Development of Water Quality Standards, Available PFAS DATA, and Bio Solids Management

*By: Jason Knutson - Wisconsin DNR*

Jason will share the latest WDNR regulatory updates related to PFAS.

2:15 - 2:30

### Break

2:30 - 2:50

### Bio Solids and PFAS

*By: Sherry Bock - MPCA*

Sherry will share the latest MPCA regulatory updates related to PFAS.

2:50 - 3:30

### Bull Session - Moderated Open Discussion

## SEMINAR INFORMATION

### FEE:

\$40 for the two day seminar.

### LOCATION:

Due to COVID-19, the seminar has been transitioned to a virtual format.

### ADVERTISEMENT:

\$200: 1 minute spotlight and logo (pre-recorded commercial)

\$100: Logo only (with contact links)

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## DAY 2: WET WEATHER MANAGEMENT SEMINAR

12:30 - 12:40 Welcome / Opening Remarks

### Wet Weather Storage / Equalization - Operations and Design

*By: Keith Haas - Racine Utilities, Rusty Schroedel - AECOM*

12:40 - 1:15

Wet weather wastewater operations can be significantly improved by the use of storage or equalization in the collection system and at the treatment plant. This presentation will discuss wet weather storage operations from a Utility perspective and then design considerations for flow equalization, citing examples of a variety of storage options.

### Advanced, High-Rate Wastewater Treatment System for Sewer Overflow Elimination

*By: Paige Peters - Rapid Radicals Technology*

1:15 - 1:50

Rapid Radicals Technology, LLC, Marquette University, and the Milwaukee Metropolitan Sewerage District (MMSD) have formed a strong collaboration for the preliminary research and development, construction, and operation of an advanced, high-rate treatment system (AH-RTS) currently being piloted at MMSD's South Shore Water Reclamation Facility in Oak Creek, WI. The AH-RTS combines high-rate technologies including chemically enhanced primary treatment (CEPT) and advanced oxidation processes (AOPs), the characteristics of which are ideal for wet weather flow treatment. This presentation will discuss pilot results and provide an update on technology commercialization status.

1:50 - 2:05

**Break**

### Testing, Design and Full-Scale Operations of the First Installed Pile Cloth-Media Disk Filters for Combined Tertiary & Wet Weather Treatment

*By: Steve Gress - Donohue & Associates*

2:05 - 2:40

An automated cloth-media disk filter pilot test system was installed at the Rushville Wastewater Treatment Plant (WWTP) in April of 2015 and a pilot test program was conducted for five (5) rain events during which CSO discharges occurred between May 16 and July 13, 2015. The results of this pilot testing were submitted to the Indiana Department of Environmental Management (IDEM) and acceptance was given by IDEM to the City of Rushville on March 17, 2015 to prepare a design utilizing the cloth-media disk filters as part of a treatment system for CSO discharges.

2:40 - 3:00

**Operator Certification and Training Update - Illinois, Minnesota and Wisconsin**

3:00 - 3:35

**Bull Session - Moderated Open Discussion**

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