

2023 SURFACE WATER TREATMENT WORKSHOP AGENDA

TUESDAY, APRIL 18, 2023

8:00 am	Registration Opens
9:00 am - 11:00 am	Surface Water Treatment Refresher & Treatment Review - Dr. Delvin DeBoer, AE2S (Registration Required) / Location: Orchid Room
11:00 am	Lunch on Your Own
LOCATION: ORCHID ROOM	
1:00 pm	Welcome and Announcements - TBD
1:30 pm	Keynote Speaker - TBD
2:30 pm	Break - Refreshments Served
3:00 pm	Operations Panel Discussion - Dr. Delvin DeBoer, AE2S
4:00 pm	Poster Session Speed Dating
4:30 pm	Adjourn
5:30 pm - 8:00 pm	Student Poster Session (hors d'oeuvres/cash bar) - Location: Lily Room

WEDNESDAY, APRIL 19, 2023

TRACK 1 - GAC & RAW WATER / LOCATION: LILAC ROOM		TRACK 2 - CASE STUDIES / LOCATION: ORCHID ROOM	
7:00 am Breakfast - Provided / Location: Rose & Lily Room			
8:00 am	Biological Filtration to Improve Finished Water Quality in Cold Climates - Qigang Chang, AE2S & Troy Hall, City of Fargo	Red River Valley Water Supply Project - Brett Erickson, AE2S	
8:30 am			
9:00 am	Operational Insights from Biofiltration and the Use of GAC - Kristofer Knutson & Emily Von Hagen, Apex Engineering Group	Mandan Raw Water Intake Case Study - Laith Hintz, AE2S	
9:30 am	Converting from Anthracite to GAC - George Kraynick & Dale Folen, City of Minneapolis	Crypto(<i>sporidium</i>) Compliance & Market Volatility at Fargo's Lime Softening Facility - Dan Portlock, City of Fargo & Marisha Lunde, AE2S	
10:00 am Break - Refreshments Served			
10:30 am	Lining & Coating Options for Raw Water Mains - John Johnson, McWane Ductile	Transitioning from Well Water to Treated Surface Water - Pierre Case Study - Dr. Delvin DeBoer, AE2S	
11:00 am	Ceramic Membranes Using Missouri River Source Water - Brian Hoellein & Jack Fletcher, Bartlett & West	From Concept to Construction: City of St. Cloud Advanced Process Improvements - Adam Bourassa, City of St. Cloud & Jason Kosmatka, AE2S	
11:30 am	Modern Water Treatment Techniques & Old Man River's Fluctuating Open Water Basin - Matthew Sullivan, City of Minneapolis		
Noon - 1:00 pm Lunch - Provided / Location: Rose & Lily Room			
TRACK 3 - LOCATION: LILAC ROOM		TRACK 4 - LEAD AND COPPER / LOCATION: ORCHID ROOM	
1:00 pm	Optimizing Capital Improvement Planning Through Hydraulic Modeling - Lisa Vollbrecht, City of St. Cloud & Michael Quamme, Apex Engineering Group	St. Paul Lead Line Replacement Program - Patrick Shea, St. Paul Regional Water Services	
1:30 pm	Understanding Electric Utility Rate Structures - Kyle Koterba, Apex Engineering Group		
2:00 pm	Drought in the Valley - Fargo & Grand Forks Coordinated Attack to Combat Drought - Steve Burian, Burian & Associates	Bismarck Lead Line Replacement Program - Michelle Klose, City of Bismarck	
3:00 pm Break - Refreshments Served			
3:30 pm	Building a Legacy: St. Paul McCarron's Water Plant Improvements - Roger Scharf, Todd Elliot, & Will Menkhaus, Jacobs Engineering	South Dakota Lead Line Service Inventory - Jame Todd, Bartlett & West & Bo Johnston, Black & Veatch	
4:30 pm	Adjourn		
5:00 pm	Social Event - TBD		

THURSDAY, APRIL 20, 2023

7:00 am	Breakfast - Provided / Location: Lilac Room
TRACK: TREATMENT OPTIMIZATION / LOCATION: ORCHID ROOM	
8:00 am	Optimization to Reduce Coagulant Dose - Jenn Stillman, HDR & Gregg McLeod, Marmac Water, Inc.
8:30 am	Chlorine Measurement - Pros & Cons of Different Methods - Grady Willis & Julie Dawson, HF Scientific
9:00 am - 10:00 am	Cold Climate Surface Water Lime Softening Process Optimization - Qigang Chang & Brian Bergantine, AE2S & Wayne Johnson, Thief River Falls
10:00 am	Break - Refreshments Served; Check Out
10:30 am	Use of PAC in Removing Taste & Odor - Dean Sletten, Apex Engineering
11:00 am	Managing & Controlling Nitrification - Tyson Decker & Mikael Brown, Bartlett & West
11:30 am	Adjourn