

TENTATIVE SURFACE WATER TREATMENT WORKSHOP AGENDA

TUESDAY, APRIL 24, 2012

10:00 am - 12:00 pm	Fundamentals of Surface Water Treatment - Dr. Delvin DeBoer, SD State University
12:00 pm	Registration (No Lunch Provided)
1:00 pm	Workshop Kickoff - Welcome - Steve Burian, AE2S
1:15 pm	Decisions that Lead from Concept to Potable Water - Troy Nemmers, City of Fairmont & Grant Meyer, AE2S
2:00 pm	Stage II Refresher/Optimization - Rob Isabel, CDM
3:45 pm	Break
3:15 pm	Watertown South Dakota's Experience with Pretreatment for DBP Compliance - Brian Bergantine, PE, AE2S
4:00 pm	Using Water Distribution System Modeling for Improved Water Quality - Tom Welle, Apex Engineering Group & Lisa Vollbrecht, City of St. Cloud
4:45 pm	NDMA - Not Just Another Acronym - Uma Vempati, HDR
5:30 - 7:30	Poster Session (hor d'oeuvres/cash bar)

WEDNESDAY, APRIL 25, 2012

SUPPLY / DISTRIBUTION TRACK		TECHNOLOGY / CASE STUDIES	
7:00 am	Breakfast - Provided	7:00 am	Breakfast - Provided
8:00 am	Effect of Mixing on Water Quality in Storage Tanks - Dr. Delvin DeBoer, SD State University	8:00 am	Grand Forks Pilot Study - Biologically Activated Carbon Filtration and Granular Activated Carbon Contactors - Hazel Sletten, City of Grand Forks
8:30 am	Tank Mixing - Mike Christensen, Solarbee		
9:00 am	Impacts of Devils Lake on Fargo Water Treatment Plant - Bruce Grubb, City of Fargo	9:00 am	UV Advanced Oxidation for the Treatment of Taste & Odor and Algae-Related Compounds in Drinking Water - Rob Haas, TrojanUV
10:00 am	Break - with Refreshments	10:00 am	Break - with Refreshments
10:15 am	Bismarck Horizontal Collector Well - Brett Jochim, PE, AE2S	10:15 am	A Tale of Three Pilots - Evaluating RO Membranes at the Fargo Water Treatment Facility - Bo Johnston, PE, Black & Veatch
11:30 am	Zebra Mussels: What's Black and White and Spread All Over? - Brian Bergantine, PE, AE2S	11:30 am	Membrane Procurement & Installation/Retrofit of Small to Medium Size Installations - Brian Hoellein, Bartlett & West
12:00 pm	Lunch	12:00 pm	Lunch

TREATMENT / OPTIMIZATION TRACK		TECHNOLOGY / CASE STUDIES	
1:00 pm	Source/Treatment Distribution - Optimizing the Burnsville Water Treatment Facility from Start to Finish - Nick Burns, Black & Veatch	1:00 pm	Ozone & Advanced Oxidation Process - Grand Forks Pilot Study - Hazel Sletten, City of Grand Forks
2:00 pm	Optimization of Moorhead WTF Processes Using Inline UV254 Instrumentation and Multi-Parameter Analysis - Kris Knudson, City of Moorhead	2:00 pm	HiPOx® for Groundwater Recharge: Atrazine Destruction, Bromate Control, and Disinfection - Keel Robinson, Applied Process Technology
2:30 pm	SCADA Optimization for Distribution Systems - Troy Hall, City of Moorhead		
3:00 pm	Break	3:00 pm	Break
3:15 pm	Distribution System Nitrification Optimization - Dan Portlock, Moore Engineering	3:15 pm	2011 ND Fresh Ideas Poster Winner Presentation - Tanush Wadhawan
4:00 pm	Lime Softening Optimization at Minneapolis Softening Facility - Chris Catlin, PE, City of Minneapolis	4:00 pm	Valley City Membrane Filtration Case Study - Wade Hesch, City of Valley City & Jordan Grasser, AE2S
5:00 pm	Adjourn	5:00 pm	Adjourn

THURSDAY, APRIL 26, 2012

7:00 am	Breakfast - Provided
8:00 am	Exploring Advanced Technologies for Taste & Odor Removal - George Kraynick, Minneapolis Water
8:45 am	GAC Taste & Odor Removal - Predicted vs Full Scale Performance - Roger Scharf, CH2M Hill
9:45 am	Break - with Refreshments
10:00 am	Nutrient Loading Impacts on Water Utilities - Bob Clement, US-EPA
11:15 am	Department of Health Representatives from MN, SD, ND
12:00 pm	Adjourn
1:00 pm	Facility Tour - Fargo Water Treatment Facility Membrane Pilot Operation & Fargo Effluent Reuse Facility (Pre-Registration Required)