

Rural and Sensitive: Groundwater across the “Driftless Area” of Southeastern Minnesota and Adjacent states



Minnesota Ground Water Association
Online Fall Conference 2021 – November 18, 2021

AGENDA

Time	Speaker	Affiliation	Topic
8:00 – 8:10	Tony Runkel	MGWA President	<i>Welcome</i>
8:10 – 8:40	Jenn McDonald	Minnesota Geological Survey	<i>Quaternary Geology in Southeast Minnesota – The Not So Driftless Area</i>
8:40– 9:10	Julia Steenberg	Minnesota Geological Survey	<i>Bedrock Geology and Groundwater Flow in Southeast Minnesota and Surrounding States</i>
9:10 – 9:20	Julia Steenberg	Minnesota Geological Survey	<i>How Does Groundwater Move in Southeast Minnesota? Very Cool Videos for Outreach!</i>
9:20 – 9:40	Kim Kaiser	Minnesota Department of Agriculture	<i>Nitrate Monitoring in Southeast MN: Private Wells and Drinking Water Supply Management Areas</i>
9:40 – 10:00	Heather Johnson	Minnesota Department of Agriculture	<i>A Chemical with a Lasting Impact – Cyanazine in Groundwater in Southeastern Minnesota</i>
10:00 – 10:15	Break		
10:15 –10:35	Maureen Muldoon	Wisconsin Geological and Natural History Survey	<i>Hydrogeology and Well Construction in Southwestern Wisconsin: Why We May Have More Drinking Water Concerns than Southeastern Minnesota</i>
10:35 – 10:55	Chris Jones	University of Iowa, IIHR-Hydroscience & Engineering	<i>Real-time Continuous Nitrate Monitoring of Driftless Area Surface and Groundwater</i>
10:55–11:15	Matthew Mitro	Wisconsin Department of Natural Resources	<i>Groundwater and the Resistance and Resilience of Wisconsin Trout Streams to Climate Change</i>
11:15-11:35	John Barry	Minnesota Department of Natural Resources	<i>Combining High Resolution Spring Monitoring, Dye Tracing, and Watershed Analysis to Provide a Better Understanding of Nitrate Transport and Aquifer Characteristics</i>

11:35 - 12:00	MGWA Business:		<i>Announcement of "Fractured Rock Working Group". Updates on Foundation, White Paper, Education and DEI activities</i>
12:00 – 1:00	Lunch		
1:00 – 1:05	John Nieber	University of Minnesota	<i>When Will Improved Practices be Measurable in Our Aquifers? The Nitrate Lag Time Project</i>
1:05 – 1:10	Tony Runkel	Minnesota Geological Survey	<i>Nitrate Lag Time Project: Groundwater Nitrate Data Compilation</i>
1:10 – 1:20	Kerry Holmberg	University of Minnesota	<i>Nitrate Lag Time Project: Analysis of Groundwater Nitrates</i>
1:20 – 1:30	Jared Trost	US Geological Survey	<i>Nitrate Lag Time Project: Groundwater age in Southeastern Minnesota</i>
1:30 – 1:40	Philip Margarit	University of Minnesota	<i>Nitrate Lag Time Project: Trout Brook MODFLOW Modeling</i>
1:40 – 1:50	Andy Holmberg	Wheaton College	<i>Nitrate Lag Time Project: Estimating Travel Times</i>
1:50 – 2:00	Q&A		<i>Q&A for Nitrate Lag Time Project Speakers</i>
2:00 – 2:20	Donna Rasmussen	Fillmore County SWCD (retired)	<i>Groundwater in the Driftless: Lessons from the Past</i>
2:20 – 2:40	Terry Lee	Olmsted County (retired)	<i>A Look Back on Local Groundwater Management in Olmsted County</i>
2:40 – 2:50	Break		
2:50 – 3:10	Caitlin Brady	Olmsted County SWCD	<i>Local Efforts to Protect Groundwater Quality and Encourage Nitrogen Reduction Practices</i>
3:10 – 3:30	Todd Osweiler	Rochester Public Utilities	<i>Water Sustainability in Rochester</i>
3:30 – 3:45	Jenny Seifert	University of Wisconsin-Madison Division of Extension	<i>FEWscapes: Research and Engagement to Expand Horizons for Food, Energy, Water, and Ecosystem Security</i>
3:45 – 4:00	Jeff Broberg	Minnesota Well Owners Organization	<i>Well Owners Across Minnesota Like to Talk About Their Drinking Water at Nitrate Testing Clinics</i>
4:00 – 4:10	Kevin Kuehner	Minnesota Department of Agriculture	<i>Strategies to Reduce Nitrogen Loss to Groundwater: Root River Field to Stream Partnership</i>
4:10 – 4:20	Jeff Vetsch	University of Minnesota	<i>Strategies to Reduce Nitrogen Loss: Nitrogen Smart Techniques</i>
4:20 – 4:30	Martin Larsen	Olmsted County SWCD, farmer	<i>Strategies to Reduce Nitrogen Loss: Expected Nitrate in Groundwater Beneath Row Crops. Reductions Using Cover and Alternative Crops.</i>
4:30 – 4:40	Lance Klessig	Soil Keepers / Heart & Soil Ridge	<i>Strategies to Reduce Nitrogen Loss: Cover Crops, Soil Health, and Communicating with Farmers</i>

4:40 – 5:00	Panelists		<i>Strategies to Reduce Nitrogen Loss: Panel Discussion and Q&A</i>
5:00	Wrap up: additional questions and discussion		

Continuing Education

This conference is designed to meet the criteria for continuing education for professionals registered with the MN Board of AELSLAGID.

This conference is designed to meet the criteria for continuing education for Minnesota Well License Renewals by the MN Department of Health. Approved for 4 contact hours.

Conference Evaluation

Please provide feedback at:

<https://www.surveymonkey.com/r/EVAL2021FALL>