

Minnesota Mining and Water Resources



Minnesota Ground Water Association

Fall Conference 2022

November 17, 2022

Heritage Center of Brooklyn Center

AGENDA

| Time | Speaker | Affiliation | Topic |
|---------------|---|---|--|
| 8:00 – 8:10 | Jeré Mohr | MGWA President | <i>Welcome</i> |
| 8:10 – 8:50 | Ted Anderson | Minnesota Department of Natural Resources | <i>Overview of Minnesota's mining districts</i> |
| 8:50 – 9:30 | Peter Kang | University of Minnesota, Department of Earth and Environmental Sciences | <i>Characterization, modeling, and remediation of fractured aquifers through cutting-edge research tools</i> |
| 9:30 – 9:45 | Break | | |
| 9:45 – 10:25 | Jim Aiken Kirsten Pauly | Barr Engineering Co. Sunde Engineering, PLLC | <i>Assessing potential effects from mine dewatering at a proposed aggregate mine site using groundwater and surface water modeling</i> |
| 10:25 – 11:05 | Erika Herr | Minnesota Department of Natural Resources | <i>MN DNR Lands and Minerals mining hydrology program</i> |
| 11:05 – 11:45 | MGWA White Paper Committee | MGWA White Paper Committee | <i>Minnesota's 1989 Ground Water Protection Act: Legacy and Future Directions</i> |
| 11:45 – 12:00 | MGWA Business – Updates from MGWA Foundation, Newsletter Committee, and Education Committee | | |
| 12:00 – 1:00 | Lunch | | |
| 1:00 – 1:40 | Chris Schuler | University of Minnesota, Department of Earth and Environmental Sciences | <i>Deep subsurface life in Soudan Formation groundwaters</i> |
| 1:40 – 2:20 | Kurt Carlson | Minnesota Pollution Control Agency | <i>A pair of permitting perplexities: Sulfate implementation strategy and functional equivalency</i> |
| 2:20 – 2:35 | Break | | |
| 2:35 – 3:15 | Cara Santelli | University of Minnesota, Department of Earth and Environmental Sciences | <i>Uncovering hidden sulfur biogeochemical cycles in a sulfate-impacted riparian wetland and stream in northeastern Minnesota</i> |
| 3:15 – 3:55 | Lucinda Johnson | Natural Resources Research Institute | <i>Developing technologies for mitigating sulfate in Minnesota's waters</i> |

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| 3:55 – 4:00 | Wrap up: Additional questions and discussion |
| 4:00 – 5:30 | MGWA 40th Anniversary Celebration |

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 Contractor Licenses by the MN Department of Health.

Conference Evaluation

Please provide feedback at:

<https://www.surveymonkey.com/r/MGWAFall2022>

