

# 30<sup>th</sup> Annual Environmental and Ground Water Quality Conference

## WEDNESDAY, MARCH 28, 2018 Ramkota Hotel and Conference Center, Pierre SD

7:30 a.m. Conference Registration – Ramkota Hotel and Conference Center – Amphitheater II

8:15 a.m. *Introductions/Announcements: Kayla Fawcett & Georgina Smith*, South Dakota Department of Environment and Natural Resources – Ground Water Quality Program, Pierre, SD

**MODERATOR: Jay Gilbertson, East Dakota Water Development District, Brookings, SD**

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8:30 a.m. *What's the Deal with Riparian Buffers?: Jay Gilbertson*, East Dakota Water Development District, Brookings, SD

9:00 a.m. *Cretaceous Deposits Overlying the Sioux Quartzite in Southeastern South Dakota: Stevie Holmes*, South Dakota Geological Survey, Vermillion, SD

9:30 a.m. **REFRESHMENT BREAK – EXHIBIT AREA OPENS**

10:00 a.m. *Radiation Measurement: Dean Aurand*, MidContinent Labs, Rapid City, SD

10:30 a.m. *Modeling of Lead-210 Data Documents Benefits in Proactively Understanding TENORM Deposition: Donald Carpenter and Thomas Fischer*, Arcadis, Novi, MI and *William Thompson*, NorthWestern Energy, Butte, MT

11:00 a.m. *Remediation and Reclamation of a Legacy Wellpad Impacted by Brine and Petroleum Hydrocarbons: Jacqueline Finck and Levi Sheff*, Terracon, Bismarck, ND

11:30 a.m. **VISIT EXHIBIT HALL – LUNCH (on your own)**

**South Dakota American Institute of Professional Geologists - Luncheon Meeting at the Ramkota Lake Sharpe Room**

**MODERATOR: Bob Miller, MidContinent Labs, Rapid City, SD**

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1:00 p.m. *Summary of Water Quality Data in the Williston Basin During 1970-2014: Gregory Delzer*, USGS Dakota Water Science Center, Rapid City, SD

1:30 p.m. *State of the 2017-2018 Drought Across South Dakota: Laura Edwards*, South Dakota State Climatologist, SDSU Extension, Aberdeen, SD

2:00 p.m. *Electro-Biochemical Reactor (EBR) Removal of Selenium and Uranium from Mining Wastewaters to Sub-ppb Levels: Jane Fudyma*, INOTEC, Salt Lake City, UT

2:30 p.m. *Lead-based Paint and Drinking Water: Mark Waltz*, LEGEND Technical Services, Inc., Fargo, ND

3:00 p.m. **REFRESHMENT BREAK – VISIT EXHIBIT HALL**

3:30 p.m. *Pathogens in Various Waterways Across the State of SD: Kelsey Murray, PhD*, South Dakota School of Mines & Technology, Rapid City, SD

4:00 p.m. *Groundwater Quality in Some of South Dakota's Shallow Aquifers: Derric Iles*, State Geologist, South Dakota Geological Survey, Vermillion, SD

5:00 p.m. **ADJOURN TO THE COURTYARD FOR SOCIAL - FOOD, DRINK & CONVERSATION**

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**THURSDAY, MARCH 29, 2018**  
**Ramkota Hotel and Conference Center, Pierre SD**

**MODERATOR: Gary Haag, Black Hills National Forest, Custer, SD**

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- 8:30 a.m.      *Groundwater Supply Evaluations with an Emphasis on Sustainability:* **Mitch Kannenberg**, WSP USA, Inc., Sioux Falls, SD
- 9:00 a.m.      *Historical Contaminants Related to Building Construction in Downtown Sioux Falls:* **Dan Hanson**, GeoTek Engineering & Testing Services, Sioux Falls, SD
- 9:30 a.m.      **REFRESHMENT BREAK**
- 10:00 a.m.     *Vapor Intrusion and Vapor Mitigation System Installation:* **Jason A. Gelling**, Terracon, Minneapolis, MN
- 10:30 a.m.     *Groundwater Guardians:* **Jane Griffin**, The Groundwater Foundation, Lincoln, NE
- 11:00 a.m.     *How Data Quality Drives Site Decisions:* **Dana Pasi**, Barr Engineering Co., Minneapolis, MN
- 11:30 a.m.     *Closing Comments:* **Kayla Fawcett & Georgina Smith**, South Dakota Department of Environment and Natural Resources – Ground Water Quality Program, Pierre, SD

**Thank you for coming!**