

JACOB KRAUSE, PG

Education

M.S., Geosciences/Hydrogeology, University of Wisconsin – Madison, WI, 2017

B.S., Geosciences, University of Wisconsin – Madison, WI, 2011



Professional Licenses

Professional Geologist – Wisconsin

Specialty Certifications

OSHA HAZWOPER 40-Hour Training and 8-Hour Refresher

Professional Experience

Mr. Krause is an experienced Hydrogeologist working in the environmental consulting industry. He designs, conducts, and manages investigations and remediations at contaminated sites involving a variety of contaminants, including petroleum and chlorinated hydrocarbons and fill-related organic and inorganic compounds. In addition to his environmental consulting experience, Mr. Krause previously served as a hydrogeologist with the Wisconsin Geological and Natural History Survey where he worked on a variety of impactful groundwater research projects prior to becoming an environmental consultant. Jacob has a B.S. and M.S. in Geosciences from the University of Wisconsin-Madison.

Soil and Groundwater Investigation and Remediation

Wisconsin, Multiple Sites. Experienced with methods of soil and groundwater sampling to characterize sites with a variety of contaminants including petroleum hydrocarbons, chlorinated volatile organic compounds, and historic fill-related or undocumented buried waste impacts. Assisted in efficiently and effectively meeting client goals by completing sampling, data analysis, reporting, project scope development, cost estimation, and proposal preparation.

Wisconsin, Multiple Sites. Completed vapor intrusion assessments in accordance with Wisconsin Department of Natural Resources' guidance, including written vapor intrusion screening assessments, as well as sub-slab vapor and indoor air sampling. Experienced with installation oversight of vapor mitigation hardware and post-construction vapor mitigation system commissioning and performance monitoring.

Wisconsin, Multiple Sites. Planned, coordinated, and completed remedial activities including excavation, in-situ chemical oxidation, monitored natural attenuation of groundwater, vapor mitigation, and construction of engineered barriers.

Publications and Presentations

Rayne, Todd W., Kenneth R. Bradbury, and Jacob J. Krause. "Impacts of a Rural Subdivision on Groundwater Quality: Results of Long-Term Monitoring." *Groundwater* 57, no. 2 (2019): 279-291.

Bradbury, Ken, Michael N. Fienen, Maribeth Kniffin, Jacob Krause, Stephen M. Westenbroek, Andrew T. Leaf, and Paul M. Barlow. Groundwater flow model for the Little Plover River basin in Wisconsin's Central Sands. Bulletin No. 111. Wisconsin Geological and Natural History Survey, 2017.

Abrams, Daniel B., Daniel Hadley, Devin Mannix, George Roadcap, Scott Meyer, Ken Hlinka, Kevin Rennels, Kenneth Bradbury, Peter Chase, and Jacob Krause. Changing groundwater levels in the sandstone aquifers of northern Illinois and southern Wisconsin: Impacts on available water supply. Illinois State Water Survey, (2018).

Jacob J. Krause. Using a tracer approach to estimate nitrate loading to a shallow sandy aquifer beneath an agricultural field. Presentation to the American Water Resources Association, Wisconsin Chapter, 2017 Annual Meeting.