Hydrogeologist/Groundwater Modeler - Mid-Level

Description of Company:

Barr is a consulting company that integrates engineering and environmental expertise to help clients develop, manage, process, and restore natural resources across North America and around the world. We have been employee owned since 1966 and trace our origins to the early 1900s. Today, we have over 900 employees across the U.S and Canada who work with clients in the mining, power, fuels, public, and manufacturing sectors, as well as attorneys, developers, and others with complex problems.

Why Choose Barr?

If you are looking for an employee-owned company that fosters a collaborative environment, focuses on providing exceptional client service, offers the opportunity to work on challenging projects, and makes employee safety a top priority, Barr is the place for you. In addition to a highly competitive benefits package, we offer mentor and coaching programs to help our employees develop and grow their careers, along with opportunities for volunteering and community involvement.

About the position:

Barr is seeking a mid-level hydrogeologist to help with challenging projects related to quantitative hydrogeology. The person in this position will apply hydrogeology and groundwater modeling skills on projects related to water supply evaluations, remediation of contaminated groundwater, mine planning and development, and groundwater-surface water interactions. Responsibilities may include working individually or as a part of a project team to assist with conceptual site model development, numerical modeling of groundwater flow and fate and transport, and aquifer test performance and analysis. Assignments may also include supervision of project teams. Fieldwork opportunities for this position may be available and may require some out-of-town travel.

Minimum Qualifications:

- Master's degree in geology, hydrogeology, or engineering
- 4 or more years of work experience directly related to groundwater flow and/or fate and transport modeling
- Familiarity with MODFLOW
- Willingness to complete field investigation methods, including oversight of well installation; planning, performance, and analysis of aquifer tests; and collection of soil and groundwater samples
- Experience in aquifer test implementation and analysis
- Strong technical and problem-solving skills, excellent communication skills, ability to write well, and attention to detail
- A flexible working style and the ability to work independently and with teams of specialists to meet client and project needs
- Willingness to travel and periodically adjust personal schedule to meet project needs

- Legal authorization to work in the United States without the need for sponsorship
- Acceptable driving record

Preferred Qualifications:

- 5 or more years of relevant work experience
- Professional Geologist or Professional Engineer license in at least one jurisdiction or the ability to achieve a license within 2 years
- Familiarity with Groundwater Vistas
- Strong computer skills, including proficiency with GIS and programming experience using Python or FORTRAN
- Experience or coursework in the use of groundwater fate and transport codes
- Experience or coursework in parameter estimation and uncertainty analysis using PEST or UCODE

NOTE:

Some work locations may feature rough terrain typical of construction sites and may also require entering and working within facilities that include limited accessibility, moving machinery, and other conditions typical of industrial facilities. Job assignments may involve work on waste disposal sites and sites requiring cleanup of hazardous materials. An OSHA mandated physical exam may be required. Safety training will be provided. Applicants may be asked to participate in a drug screening program at the request of specific clients.

This position can be based out of Ann Arbor, MI, Duluth, MN, Minneapolis, MN or Salt Lake City, UT or any other Barr U.S. office locations. We may also consider a remote arrangement.

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