

Advanced Groundwater Solutions, LLC (AGS)

AGS has an opening for a full-time, mid-level quantitative hydrogeologist or engineer in Texas. This position is fully remote.

Responsibilities

You will provide general quantitative hydrogeologic analysis with support and under direction of senior groundwater hydrologists, engineers, and modelers. This includes:

- Assimilating and analyzing public and private hydrogeologic data to develop conceptual, geologic, analytical, and numerical models for groundwater and hydrologic models
- Geophysical, geologic, hydrogeologic analyses with basic models and methods
- Evaluation and interpretation of geophysical logs to develop 3-d geologic models
- Hydrogeologic evaluation of aquifers
- Development of comprehensive hydrogeologic conceptual models
- Developing inputs and evaluating outputs from MODFLOW family of codes and other quantitative methods
- Using GIS, time-series analysis, geostatistics, and other statistical methods to evaluate data
- Using quantitative methods to evaluate long-term groundwater availability, wellfield design, stream-aquifer interaction, impacts of pumping, ASR, brackish groundwater systems, and many other applications
- Implementing appropriate procedures to ensure QA/QC for all work
- Preparation of technical reports and technical presentations to clients, stakeholders, and regulatory community
- Perform field visits for planned or existing water well sites and field observations and measurements during test hole and water well drilling, construction, testing and water sampling operations

Basic Qualifications

- BS/BA in Geosciences, Engineering, or a closely related field
- 8-10 years experience in groundwater industry
- Solid understanding of hydrogeological principles and practices
- Experience with groundwater modeling, including development of conceptual models, model calibration, and reporting
- Proficiency with MODFLOW codes
- Working knowledge of GIS, geodatabases, and public data sources
- Proficiency in one or more programming languages (R, C++, Python, Fortran, MATLAB or other related programming language etc.) and willingness to learn new skills
- Project management and delivery
- Staff training and development
- The selected candidate must be authorized to work in the United States.

Preferred Qualifications

- MS in Hydrogeology or Engineering or a similar field with an emphasis in earth science
- 10-15 years of applicable experience in groundwater industry
- Experience with data assimilation, databases and graphic design
- Subsurface characterization for environmental assessments

- Contaminant transport modeling
- Client management and development
- Familiarity with publicly available records and data from TWDB, TCEQ, TRC, and other state and federal agencies
- Experience with PEST codes
- Python coding experience
- Applied geochemistry
- PG or PE certification

About AGS

AGS is a Geoscience and Engineering firm specializing in professional consulting services related to groundwater, hydrogeology and water resources. We offer competitive salary and benefits.