



EMPLOYMENT OPPORTUNITY

POSTING DATE: 10/1/2020 **CLOSING DATE:** Open Until Filled

POSITION: Staff Hydrogeologist

STARTING RATE: \$ 75,000 - \$ 85,000 (commensurate with experience and qualifications)

WORKPLACE LOCATION: 1124 Regal Row, Austin, TX 78748

TO APPLY: Qualified and interested parties must submit a resume and cover letter describing your interest and qualifications for the position.

POSITION: Staff Hydrogeologist (Full-time with benefits)

HOURS: This position requires 40 hr/week

JOB DESCRIPTION SUMMARY: The BSEACD is seeking a Staff Hydrogeologist to support the District's Aquifer Science Team by conducting hydrogeologic investigations involving the Edwards, Trinity, and other aquifers. This team consists of three aquifer scientists whose mission is to support the development of policy and regulations related to the aquifers within the BSEACD. In this role the individual must be able to demonstrate hydrogeologic expertise in developing and implementing investigations to address groundwater resource development issues and to support critical regulatory and planning efforts. In this role you will assist with making decisions regarding project approach and methodology and will also be responsible for supervising and conducting the studies (including budgeting), then preparing reports that explain the results and how the studies relate to policy and regulatory issues. The Staff Hydrogeologist will coordinate with outside agencies, institutions, and consultants on various studies and issues that are of interest to BSEACD. The Staff Hydrogeologist will also supervise interns and their projects, and mentor junior staff.

ESSENTIAL JOB FUNCTIONS: *To perform this job successfully, an individual must be able to perform the essential job functions satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary job functions herein described.*

- This position requires both office and field work duties. Field work (aquifer performance testing, field sample collection, well drilling oversight, geologic mapping, etc.) is conducted periodically throughout the year, sometimes under adverse weather conditions (hot, humid, wet).
- The position entails data review, planning local or regional investigations, interpretation of aquifer parameters from aquifer tests, QA/QC of hydrological data and uploading into the District's databases, reviewing work scopes, aquifer test work plans and technical specifications for projects, overseeing well drilling and aquifer testing, technical analysis which includes data reduction, synthesis, and integration into the analysis and report preparation.
- Collect hydrologic data using a variety of techniques and equipment including:
 - Water levels with manual equipment and data-logging transducers
 - Streamflow measurements
 - Groundwater sampling of wells and springs
 - Dye tracing studies
- Aggregating, organizing, managing, and analyzing data on groundwater, surface water, pumping, drought, etc., typically in a GIS/database environment (Esri ArcGIS).

- Contribute to the implementation of the District’s Habitat Conservation Plan (HCP) with a focus on the described field studies and aquifer monitoring objectives. Provide support in completing the annual compliance reports as required by the Incidental Take Permit (ITP).
- Collaborate with the regulatory team on permitting evaluations, rulemaking, policy development, and joint planning efforts at the GMA level. Additionally, provide technical support in developing internal guidelines, methodologies, and monitor networks for tracking compliance with Desired Future Conditions (DFCs).
- Engage with well owners, landowners, permittees, general public, Board members and interagency teams to collaborate on projects, studies, technical committees, and stakeholder groups.

REQUIRED QUALIFICATIONS

- A Master of Science degree in geology, hydrogeology, or other closely related field and at least five years of experience conducting hydrogeologic studies; a PhD degree may be considered in lieu of two years of experience. At least two years of experience in Texas is preferred.
- High level of analytical, technical, and problem-solving abilities.
- Effective oral and written communications and related organizational skills including oral presentations to technical and non-technical audiences.
- Author/ Co-author published technical articles or non-technical papers such as technical memorandums, white papers, scientific reports or guidance documents.
- Computer skills:
 - Microsoft Office suite (Word, Excel, Outlook, and Access)
 - Basic Geographic Information Systems (GIS)
- Ability to conduct geologic and hydrogeologic field work under a variety of difficult field conditions including working in and around caves, rivers, streams, well buildings, and remote field locations.
- Experience with the design, supervision, and evaluation of aquifer tests using analytical models such as Aqtesolv.
- Experience analyzing well construction designs, well logs, geophysical logs and other data sources.
- Working knowledge of hydrogeologic principles and inter-relationships with other components of the hydrologic cycle.
- Strong understanding of field methods used in hydrogeologic data collection and research (lithologic, water-quality sampling techniques, surface-water/groundwater measurements, geophysical logging, and log interpretation, etc.).
- Specific skills shall include advanced knowledge of monitoring well networks including purpose, design and implementation, monitor well design and construction, and use of data in groundwater modeling and resource investigations.
- Must be highly motivated, energetic, deadline-oriented and able to handle multiple priorities.
- Excellent interpersonal skills as well as verbal and written communications skills.
- Self-starter, lots of initiative, and ability to work independently.
- Strong commitment to mission and values of organization.

PREFERRED ADDITIONAL QUALIFICATIONS

- Licensed Texas Professional Geoscientist (PG)
- Experience with groundwater monitoring programs and equipment (Insitu, WellIntel)
- General understanding of surface-water/groundwater interactions
- Experience with karst aquifers
- Advanced skills with ARC GIS, Surfer, Grapher

- Familiarity or experience with numerical groundwater modeling (MODFLOW, GW Vistas)
- Image and illustration applications (Adobe Photoshop and Illustrator)
- Litigation support (reviewing depositions, assisting with preparation of expert reports)
- Knowledge of how groundwater districts function
- Familiarity with Texas groundwater resources and general understanding of groundwater management framework.
- Familiarity with geochemistry of karst aquifers
- Knowledge of dye tracing methods.
- Experience with multiport monitor well systems

PHYSICAL AND OTHER REQUIREMENTS

The Staff Hydrogeologist must be able to work outside in all weather conditions and carry heavy equipment or supplies in excess of 50 lbs. The office work location is the District's office in far south Austin, near Manchaca. Candidate must have a valid Texas driver's license, or to be able to obtain one within 30 days of the start date.

ABOUT BSEACD BENEFITS

- Flexible 40-hour work week schedule. At times evening and weekend work will be necessary, time off may be taken in the week to balance a 40-hour schedule.
- Two weeks paid vacation, all major holidays paid time off.
- Contribution to retirement plan after 1 yr employment.
- Group health insurance after 60 days employment.
- Flexible work schedules and telecommuting opportunities.
- BSEACD is an equal employment opportunity organization and does not discriminate based on age, race, gender, or sexual orientation.

TO APPLY:

Resumes and cover letters can be sent via email to:

BSEACD

Attn: Dana Wilson

1124 Regal Row

Austin, Texas 78748

dana@bseacd.org