

POSITION SUMMARY – WATER RESOURCES ENGINEER

Headwaters Corporation is a natural resources management consulting firm seeking an entry-level water resources engineer to join our Lakewood, CO water resources team. Headwaters Corporation, headquartered in Kearney, NE, includes a diverse, multidisciplinary team that includes biologists, statistical ecologists, geomorphologists, water resources engineers, biosystems engineers, economists, and science policy and governance experts. *Candidates must have the drive to tackle complex, multidisciplinary problems and the desire to work for a small firm.*

Under supervision, this position will be assisting with all aspects of water resources-related projects for Headwaters while gaining professional proficiency. Projects include water planning and flow analysis, groundwater monitoring & analysis, wetland and riverine habitat design and construction, construction administration, and research for the Platte River Recovery Implementation Program. There will also be opportunities to assist Headwaters with identifying, securing, and completing future projects related to large-scale restoration and adaptive management programs, river & wetland restoration, and water planning.

Major duties include, but are not limited to:

- Data collection, management, analysis, and evaluation.
- Interpretation and synthesis of topographic, hydrologic, spatial, and environmental data.
- Application of engineering & fluid mechanics principles in wetland & riverine construction design.
- Field observations of construction projects & active water management projects.
- Use of AutoCAD Civil3D, GIS, MS Office, etc to develop design drawings, maps, and report figures.
- Development and interpretation of hydraulic models.
- Develop familiarity with FEMA floodplain permitting.
- Preparing technical reports and scientific manuscripts in conjunction with senior staff.
- Assist on proposals and scopes of work for existing and future projects.
- Ensure that Headwaters Corporation's administrative and financial policies and procedures as well as the methods and procedures specific to the work are followed.

Highly Desirable Characteristics:

- Experience with AutoCAD Civil3D, ArcGIS, HEC-RAS and other hydraulic modeling packages.
- Broad-based background in watershed processes (surface and groundwater, sediment), water resources engineering, river hydraulics/geomorphology, and ecological/biological sciences.
- Knowledge of regulatory and permitting frameworks, statistical analysis techniques, technical writing and data analysis.
- Experience that includes establishing goals and objectives and developing and managing a budget to achieve program goals and objectives.
- Familiarity with one- and two-dimensional hydraulic modeling.
- Mature judgment, initiative, imagination, resourcefulness, energy, tact, and integrity.

This position is located with the Headwaters engineering staff in the Lakewood, CO office. Headwaters' science, land, and administrative staff are located in Kearney, NE. Periodic in-state and out-of-state travel for fieldwork, meetings, and conferences (3 - 5 days a month) will also be required.

EDUCATION

B.S. required (M.S. preferred) in Civil Engineering, Water Resources Engineering, Environmental Engineering, or related technical field. Professional registration (EI/EIT), or ability to obtain within 6 months, is desired.

EXPERIENCE

Experience preferred, but not required for Master's graduates. Prefer 1-3 years experience in water resources engineering-related field for Bachelor's graduates.

BENEFITS

Headwaters Corporation will offer a competitive salary commensurate with experience and qualifications relevant to this position. Starting range of \$55,000-\$70,000/year.

Headwaters offers an excellent compensation and benefits package including medical, dental, and life insurance; a 401(K) plan; and paid vacation time and holidays. Headwaters Corporation is an Equal Opportunity Employer.

APPLICATION

Application materials should be addressed to:

Bridget Barron, PhD
President and CEO
Headwaters Corporation
4111 4th Avenue, Suite 6
Kearney, NE 68845

Please send a cover letter, resume, and three references in PDF format to Bridget Barron at: barronb@headwaterscorp.com

OVERVIEW OF HEADWATERS CORPORATION

Headwaters Corporation has offices in Kearney, Nebraska, Lakewood, Colorado, and Ft. Collins, Colorado. The firm was founded in 2007 and is professional services firm that brings common-sense solutions and systems thinking to emergent, complex, and large-scale natural resource challenges. Headwaters specializes in adaptive management and the review and implementation of large-scale endangered species recovery and river/ecosystem restoration programs. We have a small, highly qualified, independent team comprised of leading river restoration program managers and adaptive management practitioners, experts in restoration program governance and function, river ecologists, western water resources experts, biologists, geomorphologists, water resources engineers, and land managers. Our team has many years of experience with river/ecosystem restoration and species recovery programs; utilizing decision analysis tools and linking science to decision-making; working with western rivers and water operations; and facilitating and leading large groups of multi-discipline stakeholders (including Tribes) on complex processes in river basins. To this end, the people of Headwaters are honest brokers working purposefully to tame wicked problems.

Visit our website at www.headwaterscorp.com for more information on our purpose, our people, and our work.