

JOB OPENING: SENIOR HYDROGEOLOGIST

THE ORGANIZATION

The Central and West Basin Water Replenishment District was formed in 1959 to manage the Central and West Coast groundwater basins. In November 1991, the District changed its name to the Water Replenishment District of Southern California (WRD). The Mission of WRD is "To provide, protect and preserve high quality groundwater through innovative, cost-effective and environmentally sensitive basin management practices for the benefit of residents and businesses of the Central and West Coast Basins."

WRD provides groundwater for nearly four million residents in 43 cities of southern Los Angeles County, encompassing 420 square miles. WRD protects the Central and West Coast Groundwater Basins through groundwater replenishment, deterrence of seawater intrusion, and groundwater contamination prevention and clean-up programs.

The District is divided into five elective districts. The governing board is made up of one elected director from each division. The District has a total budget of \$71 million with approximately 32 employees.

THE POSITION

Under general direction of the Chief Hydrogeologist, serves as Senior Hydrogeologist in the District's Basin Management and Water Quality Department (a.k.a. Hydrogeology Department). Provides geologic and hydrogeologic expertise in the fields of managed aquifer recharge, groundwater monitoring programs, groundwater quality and geochemistry, seawater intrusion, conceptual and numerical flow and transport modeling, recycled water reuse for recharge, contaminated site investigations, water resources management, geophysical borehole log interpretation, manage research projects, public speaking/technical presentations, project management, representing the District at meetings, and other related duties.

Main responsibilities include (but are not limited to):

- Characterize hydrogeological features of the groundwater basins including groundwater elevations and flow directions, groundwater and recharge water quality, lithology, aquifer parameters, and percolation rates at spreading grounds. Utilize geologic software such as Surfer, Rockworks, MODFLOW, GIS, Excel, etc for charts, maps, reporting and analysis.
- Evaluate the effectiveness of the District's efforts to combat sea water intrusion and develop strategies to improve the effectiveness of those efforts.
- Manage assigned District projects, including Replenishment Water tracking, reporting, QA/QC, and database review for spreading grounds and seawater barrier

wells, The SWRCB-required Salt/Nutrient Management Plan, Saline Plume investigation, Seawater Barrier condition assessments, CASGEM State Monitoring Program, and specific capacity tracking of Madrona Well #2.

- Oversee the drilling, log interpretations, design, installation, development and rehabilitation of monitoring and production wells; oversees aquifer testing the District may undertake and evaluate / determine aquifer parameters based on results.
- Develop/customize in-house hydrogeologic computer models and supervise hydrogeological model development performed by others to track flow and transport of groundwater and recycled water in the District.
- Prepare / review the geologic/hydrogeologic portion of reports published by WRD.
- Improve and streamline the administrative aspects of technical processes.
- Delegates and oversees the work of assigned professional, technical, and support staff, consultants and contractors; prepares requests for proposals, selects and makes recommendations for award of contracts for professional services; prepares and administers professional services agreements and consultant contracts.
- Develops and carries out program-related research and analysis; develops research concepts, drafts research proposals and obtains necessary funding; directs and oversees the work of research staff and consultants and academia; directs or participates in the analysis of research data and preparation of reports; presents research results to District Board and at professional conferences.
- Coordinates and integrates project services and activities with other District departments and external agencies; develops project partnerships with external agencies and organizations where applicable; establishes and maintains liaison and effective working relationships with external stakeholders, other governmental and regulatory agencies and professional and technical organizations; represents the District at meetings and conferences involving District business and community matters related to assigned projects; meets with local, state, and federal agencies/officials on assigned project issues.
- Performs legislative and policy analyses of issues with potentially significant impact on assigned project/program operations and/or funding; formulates approaches and courses of action to address issues identified.
- Performs other work as directed.

The position is open due to recent incumbent relocation to another State. The incumbent had been with the District for over 12 years.

THE CANDIDATE

Education, Certifications and Experience

- A bachelor's degree (advanced degree preferred) from an accredited college or university in geology, hydrogeology, geochemistry, geophysics, or a closely related scientific field is required.
- Professional registration is required in a geologic discipline, with California Professional Geologist and Certified Hydrogeologist preferred.
- A minimum of eight years of professional hydrogeologic experience, with preference given to California groundwater investigations and basin management. Substantial work experience in conceptual hydrogeologic modeling, project management, analytical thinking, report writing, and data analysis required.
- Excellent writing, data analysis, and oral presentation skills, along with paper submittal and oral presentation at technical conferences required. Also, candidates need to be proficient with Microsoft Word, Outlook, Excel, Access and PowerPoint, and specialized geologic and hydrogeologic software for GIS, contouring, geochemistry, borehole and stratigraphy, and modeling programs.
- A valid California driver's license and the ability to maintain insurability under the District's vehicle insurance policy.

Working Style and Personal Traits

The ideal candidate will be a dedicated professional Hydrogeologist who enjoys working in a stable and independent environment. This person will be someone who directs work by giving initial direction and guidance and then is hands off. He/She will have significant experience presenting to the public or elected officials. He/She will be motivated, a good public speaker, a thinker, and a team player.

The selected candidate will be someone who can get things done, hit the ground running and not be afraid to express ideas. He/She will be confident, friendly, relaxed and intelligent. He/She will be passionate about his/her field and is committed to working for the organization. Lastly, this person will like to have fun and not be arrogant.

COMPENSATION

The salary range for this position is \$92,000-\$115,000 dependent upon the qualifications and experience of the selected candidate. In addition, benefits are provided which include:

- Annual leave accrued based on years of service (eligible upon completion of 6 month probationary period).
- Education rebate program for job-related coursework.
- Medical – Coverage provided at no cost for employee and dependents.
- Dental – Coverage provided at no cost for employee and dependents.
- Holidays – 13 per year.
- Life insurance (\$150,000 maximum).
- Retirement Plan (3% at 60 formula) through the California Public Employees Retirement System.

OTHER

- The Position will be a member of and represented by the Employees Association of the Water Replenishment District of Southern California, American Federation of State, County and Municipal Employees (AFSCME), AFL-CIO, Chapter 1902. Biweekly union dues are required.
- All applicants must be able to prove legal United States residency at time of appointment and will be required to complete a District application (located at <http://www.wrd.org>) and provide a driver's license for a DMV driving record check and be willing to submit to a background check prior to employment with the District.

HOW TO APPLY

Please visit our web site at www.wrd.org to download an application. Applications and resumes should be received by July 22, 2011 to:

Water Replenishment District of Southern California
Attn: Jenna Shaunessy
4040 Paramount Blvd.
Lakewood, CA 90712
(562) 921-5521
jshaunessy@wrd.org

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