

Hydrologist 1

The Susquehanna River Basin Commission (SRBC), an interstate water resource management agency, seeks a Hydrologist 1 for the Planning & Operations Program located in its Harrisburg, PA office.

This position provides technical support on a variety of water resources projects including water availability studies, consumptive use mitigation grants, flood warning and response, drought planning and monitoring, and environmental flow management.

Information about the unique mission of SRBC can be found at <https://www.srbc.gov/about/about-us/>. Details regarding employment opportunities, compensation philosophy, and hiring process can be found at <https://www.srbc.gov/about/employment/>.

Duties and Responsibilities

- Maintains a working knowledge of SRBC regulations, policies, plans, and programs.
- Retrieves and analyzes hydrologic data for a variety of water resource management projects.
- Evaluates water use and availability information to guide regulatory and planning decisions.
- Develops grant program guidance documents and application materials. Reviews grant applications and provides grant management support on funded projects.
- Conducts field surveys and hydrologic and hydraulic modeling for flood studies, inundation mapping, and warning and response systems.
- Monitors drought conditions and water supply operations to ensure drought contingency measures are implemented to avoid impacts to water users and the environment.
- Assesses reservoir operations to identify opportunities for improving environmental flow management.
- Utilizes Geographic Information System (GIS) and databases to store, manage, analyze, and map water resources data.
- Performs field work to collect water quantity and quality data to inform a variety of water resources investigations.
- Collaborates with other SRBC staff and partner agencies/organizations to carry out a range of water resources management initiatives.
- Performs other duties as assigned.

Required Knowledge and Competencies

- Working knowledge of the science/engineering aspects of hydrology, hydraulics, geology, chemistry, physics, and mathematics as they relate to interpretation of water resources data.
- Skill in solving hydrologic problems, conducting field and desktop investigations, analyzing and interpreting hydrologic data, preparing technical reports and memoranda, and developing decision support tools and data visualizations.
- Ability to express ideas clearly and concisely in oral, written, and graphic form. Skill in collecting, analyzing, and presenting data in graphic, tabular, and narrative formats.
- Demonstrated knowledge in interpreting aerial photographs, remotely sensed data, and topographic and geologic maps. Skill in performing and interpreting results of streamflow analyses and statistic calculations.
- Ability to apply and interpret the results of various hydrologic and hydraulic modeling software packages. Ability to use GIS, R, Microsoft Office, and other pertinent computer software.

- Capacity to establish and maintain effective working relationships with other SRBC staff, partner agencies, regulated projects, elected officials, non-governmental organizations, and the general public.
- Aptitude to effectively manage assignments and plan activities to meet demanding project schedules.

Minimum Work Experience and Education

- The Hydrologist 1 is an entry level position which requires a bachelor's degree in hydrology, geology, engineering, water resources, or closely related field, and two years of relevant professional experience. A graduate degree may be substituted for experience.

The Commission's compensation plan includes a competitive salary with an expected starting range between \$55,000 and \$70,000, based on relevant experience, and comprehensive benefits including health insurance and participation in the Pennsylvania State Employees Retirement System.

A cover letter with salary expectations and a resume emphasizing relevant experience are required and must be submitted by **Friday, October 4th, 2024**. There is no civil service exam requirement.

Click here to apply: [Hydrologist 1](#)

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