

SPOTSYLVANIA COUNTY
Department of Human Resources
9104 Courthouse Road, P.O. Box 605
Spotsylvania, VA 22553

<http://www.spotsylvania.va.us>

**INVITES APPLICATIONS FOR THE POSITION OF:
Chemist I - III (DOQ)**

An Equal Opportunity Employer

SALARY

\$20.16 - \$26.21 Hourly \$41,928.51 - \$54,507.06 Annually

ISSUE DATE: 07/15/19

FINAL FILING DATE: Continuous

THE POSITION

The Spotsylvania County Department of Utilities/Public Works is seeking a Chemist for the Department's Laboratory Services Division. The Department provides water and sewer services for the residents of Spotsylvania County. Spotsylvania County Laboratory Services is a state-certified laboratory for the analysis of environmental and drinking water samples. The successful candidate will perform a variety of complex laboratory techniques to assess physical, chemical, and microbiological parameters. The candidate will be expected to respond independently to various technical challenges that arise.

SPECIAL DUTIES & RESPONSIBILITIES

- Conducts laboratory tests and associated quality control parameters, in compliance with laboratory SOPs, using approved methods.
- Maintains demonstrations of capability for various physical, inorganic and microbiological parameters Operates complex laboratory instrumentation such as discrete analyzers, continuous flow analyzers, spectrophotometers, distillation units, etc.
- Performs various analyses for process control of utility operations.
- Prepares reagents and standards required for laboratory analysis using approved methods.
- Maintains test result records and calculates data sheets.
- Monitors data trending for analyses within their scope.
- Notifies laboratory management if the initiation of a corrective action plan is necessary.
- Assists in root cause analysis.
- Effectively troubleshoots equipment and analysis issues within their scope.
- Monitors supplies and safely stores chemicals and reagents.
- Maintains Safety Data Sheets and Certificates of Analysis for laboratory chemicals.
- Prepares samples for analysis.

- Participates in the laboratory's proficiency testing program.
- Calibrates, cleans, maintains, and stores various laboratory and field equipment and glassware.
- Maintains a safe working environment.
- Enters and retrieves computer data using software programs such as Excel, Word and the Laboratory Information Management System (LIMS).
- Creates and maintains spreadsheets in Excel.
- Completes LIMS data entry and recording.
- Researches new analytical methods and equipment.
- Mentors coworkers in training.
- Operates within budget and minimizes costs where possible.
- Performs custodial duties in the lab.
- Prepares media and reagents as needed.
- Works with team members in a variety of technical laboratory analysis work to assure compliance with regulations.
- Assists the Laboratory Manager and senior staff in day to day administrative activities.
- Performs other related duties as required.

MINIMUM TRAINING & EXPERIENCE

Bachelor's degree from an accredited college or university with a major in the Chemical, Environmental, Biological, or Physical Sciences, with general course work or experience in Chemistry, Microbiology, and Biology. Confidently and effectively perform simultaneous tests within normal work hours. Maintain consistency in timing and quality of testing. Independently and proactively identify and solve problems. Understand root cause analysis and corrective action. Evaluate quality control trends using control charts and use this information to improve analytical performance. General knowledge of local, state, and federal laws as they relate to a public water/sewer utility and associated laboratories. Ability to work with various computer programs including laboratory information management systems (LIMS), computerized maintenance management systems (CMMS) and common business software systems. Comfortably, confidently, and appropriately respond to customer requests. Within six months, a Chemist I must demonstrate and maintain capability to independently analyze the following parameters: Total Suspended Solids, Biochemical Oxygen Demand, Carbonaceous Biochemical Oxygen Demand, Hardness as CaCO₃, Heterotrophic Plate Count, E. coli, Total Coliform Bacteria and Enterococci.

APPLICATIONS MAY BE OBTAINED AND FILED ONLINE AT:

<http://www.spotsylvania.va.us>

OR

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EXAM #01272
CHEMIST I - III (DOQ)