

**MONTGOMERY COUNTY GOVERNMENT, VIRGINIA
POSITION DESCRIPTION**

TITLE: PSA ENGINEER

GENERAL DESCRIPTION

The essential function of the position within the organization is to provide engineering services. The position is responsible for designing and developing specifications for water and sewer projects. The position works under general supervision independently developing work methods and sequences.

PRIMARY DUTIES: *This list represents the essential tasks performed by the position. Employees may be assigned additional duties by management as required.*

Provides individual service to current and proposed PSA customers.

Provides professional engineering design of water and sewer extensions.

Prepares preliminary engineering reports and environmental reports.

Assists water/sewer operators with operational technical problems.

Prepares technical reports for the Director and Board.

Prepares annual PSA budget.

Prepares annual water withdrawal report.

Reviews outside consultants design of new water and sewer systems.

DATA RESPONSIBILITY: *Data refers to information, knowledge, and conceptions obtained by observation, investigation, interpretation, visualization, and mental creation. Data are intangible and include numbers, words, symbols, ideas, concepts, and oral verbalizations.*

Synthesizes or integrates analysis of data or information to discover facts or develop knowledge or interpretations; modifies policies, procedures, or methodologies based on findings.

PEOPLE RESPONSIBILITY: *People refers to individuals who have contact with or are influenced by the position.*

Provides assistance to people to achieve task completion; may instruct or assign duties to coworkers.

INVOLVEMENT WITH THINGS: *Things refers to inanimate objects such as substances, materials, machines, tools, equipment, work aids, or products. A thing is tangible and has shape, form, and other physical characteristics.*

Develops and implements long-range plans and programs to support the goals and objectives of the organization.

ASSETS RESPONSIBILITY: *Assets responsibility refers to the responsibility for achieving economies or preventing loss within the organization.*

Requires responsibility and opportunity for achieving major economies and/or preventing major losses through the management of a moderate sized department, authorizing expenditures of large amounts of money, and supervising the purchasing of high value materials, supplies and equipment.

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SAFETY OF OTHERS: *Safety of others refers to the responsibility for other people's safety, either inherent in the job or to assure the safety of the general public.*

Requires responsibility and authority for the development of policies regarding the provision of continuous enforcement of the laws and standards of public health and safety.

MATHEMATICAL REQUIREMENTS: *Mathematics deals with quantities, magnitudes, and forms and their relationships and attributes by the use of numbers and symbols.*

Uses practical application of fractions, percentages, ratios and proportions, measurements, or logarithms; may use algebraic solutions of equations and equalities, deductive geometry, and/or descriptive statistics.

COMMUNICATIONS REQUIREMENTS: *Communications involves the ability to read, write, and speak.*

Reads professional publications; composes complex reports and manuals; speaks formally to groups outside the organization.

COMPLEXITY OF WORK: *Complexity of work addresses the analysis, initiative, ingenuity, creativity, and concentration required by the position and the presence of any unusual pressures.*

Performs work involving the application of principles of logical thinking, scientific, medical, or legal practice to diagnose or define problems, collect data and solve abstract problems with widespread unit or organization impact; requires sustained, intense concentration for accurate results and continuous exposure to unusual pressure.

IMPACT OF DECISIONS: *Impact of decisions refers to consequences such as damage to property, loss of data or property, exposure of the organization to legal liability, or injury or death to individuals.*

Makes decisions with severe impact - affects entire organization, other activities/organizations, the general public, and a wide geographic area; loss of life and/or damage is highly likely.

EDUCATION AND EXPERIENCE REQUIREMENTS

EDUCATION REQUIREMENTS: *Education requirements refers to job specific training and education required for entry into the position.*

Requires bachelor's degree in engineering.

LICENSES, CERTIFICATIONS, AND REGISTRATIONS REQUIRED: *Licenses, certifications, and registrations refers to professional, state, or federal licenses, certifications, or registrations required to enter the position.*

Requires Professional Engineer's (PE) License.

EXPERIENCE REQUIREMENTS: *Experience refers to the amount of work experience that is required for entry into the position that would result in reasonable expectation that the person can perform the tasks required by the position.*

Requires eight years of related experience.

AMERICANS WITH DISABILITIES REQUIREMENTS

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PHYSICAL DEMANDS: *Physical demands refers to the requirements for physical exertion and coordination of limb and body movement.*

Requires sedentary work involving standing or walking for brief periods, exerting up to 10 pounds of force on a regular basis, and some dexterity in operating machines, tools, or office equipment.

UNAVOIDABLE HAZARDS: *Unavoidable hazards refers to unusual conditions in the work environment that may cause illness or injury.*

The position is exposed to extreme heat/cold, wet or humid conditions, fumes or noxious odors, heights, disease/pathogens, traffic, and animals/wildlife.

SENSORY (ADA) REQUIREMENTS: *Sensory requirements refers to hearing, sight, touch, taste, and smell necessary to perform the tasks required by the position efficiently.*

The position requires normal visual acuity and field of vision, hearing, speaking, color perception, and sense of smell.

AMERICANS WITH DISABILITIES ACT COMPLIANCE

The Montgomery County Government of Virginia is an Equal Opportunity Employer. ADA requires the County to provide adequate accommodations to qualified persons with disabilities. Prospective and current employees are encouraged to discuss ADA accommodations with management.