

UNION COUNTY, PENNSYLVANIA CLASSIFICATION SPECIFICATION

CLASSIFICATION TITLE: CHESAPEAKE BAY TECHNICIAN

PURPOSE OF CLASSIFICATION

The purpose of this position is to plan, design, and implement best management practices to solve environmental problems related to nutrient management and water quality on agricultural operations.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. The omission of specific statements of the duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

Administers County's Chesapeake Bay Program; identifies and improves agriculturally related water impairments and assists in the development of manure management plans, Ag erosion & sediment plans, conservation plans, nutrient management plans and

Provides technical assistance; develops, writes and implements MMP, Ag E&S plans for farm- based BMP installations; markets and administers BMP funding programs to agricultural communities, works with cooperating agencies to obtain tech assistance and funding.

Completes 25 agricultural inspections to ensure agricultural operations are meeting their obligations regarding Chapter 102 (agricultural erosion and sediment control) and Chapter 91 (manure management planning).

Assists with the collection of soil and manure tests to aid in developing and revising plans and practices; evaluates farmstead for needed controls; discusses scope of project with landowners/farm operators; writes waste and erosion control options; estimates control measure construction costs. Facilitates implementing plans and BMPs by identifying grant funding sources.

Identify participants for nutrient management planning, barnyard runoff remediation practices as well as anticipated special projects involving new Ag. best management practices. (Ag. BMP's)

Writes construction contracts; evaluates and awards bids; organizes, attends and participates in pre-construction meetings; oversees and approves contractor work for compliance with project specifications; conducts field tests; approves completed work for payment; modifies contract documentation as appropriate.

Represents Union County Conservation District at Bay related meetings and other public events; conducts field days, sign up meetings, tours, exhibits, etc. for public promotion of the Bay program; conducts farm visits and general outreach to inform and educate farmers about environmental compliance requirements.

Responds to agriculturally related complaints. Provides assistance to and representation of the farm community when complaints and/or enforcement action arises.

Communicates with supervisor, County employees, farmers, landowners, contractors, equipment suppliers, outside agencies, the public, and other individuals as needed to coordinate work activities, review status of work, exchange information, or resolve problems.

Maintains an awareness of new applications, technologies, technical methods, trends, and advances in the profession; monitors legislation, ordinances, rules and regulations affecting department operations; reviews professional publications; attends and/or makes presentations at conferences, workshops, and training sessions as appropriate.

Operates a vehicle, a personal computer, tablet, smart phone, general office equipment, Arc GIS software, , or other equipment as necessary to complete essential functions, to include the use of word processing, spreadsheet, database, or other system software.

ADDITIONAL FUNCTIONS

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Knowledge of agricultural practices, soils, hydrology, land use, geography, and the use of technology (computers, smartphones, GIS software) is required for this position. Education can substitute for experience with vocational training or up to a Bachelor's Degree in Agronomy, Agriculture, Natural Sciences, Environmental Resources Management, Environmental Science, Agricultural Engineering, or other related environmental fields. Must possess and maintain a valid Pennsylvania driver's license

PERFORMANCE APTITUDES

Data Utilization: Requires the ability to evaluate, audit, deduce, and/or assess data using established criteria. Includes exercising discretion in determining actual or probable consequences and in referencing such evaluation to identify and select alternatives.

Human Interaction: Requires the ability to apply principles of persuasion and/or influence over others in coordinating activities of a project, program, or designated area of responsibility.

Equipment, Machinery, Tools, and Materials Utilization: Requires the ability to operate, maneuver and/or control the actions of equipment, machinery, tools, and/or materials used in performing essential functions.

Verbal Aptitude: Requires the ability to utilize a wide variety of reference, descriptive, and/or advisory data and information.

Mathematical Aptitude: Requires the ability to perform addition, subtraction, multiplication and division; ability to calculate decimals and percentages; may include ability to perform mathematical operations with fractions; may include ability to compute discount, interest, and ratios; may include ability to calculate surface areas, volumes, weights, and measures.

Functional Reasoning: Requires the ability to apply principles of rational systems; to interpret instructions furnished in written, oral, diagrammatic, or schedule form; and to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objectives.

Situational Reasoning: Requires the ability to exercise judgment, decisiveness and creativity in situations involving the evaluation of information against sensory, judgmental, or subjective criteria, as opposed to that which is clearly measurable or verifiable.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert light physical effort in sedentary to light work, but which may involve some lifting, carrying, pushing and/or pulling of objects and materials of light weight (5-10 pounds). Tasks may involve extended periods of time at a keyboard or work station. Tasks may involve walking on uneven terrain.

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, odor, depth, texture, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, humidity, rain, temperature and noise extremes, machinery, vibrations, electric currents, traffic hazards, toxic agents, animal/wildlife attacks, animal bites, disease, or pathogenic substances.

Union County, Pennsylvania is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the County will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.