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Regional Chesapeake Bay Engineer

Union County Conservation District is accepting applications for the position of **Regional Chesapeake Bay Engineer**, serving the Middle Susquehanna Valley (Centre, Clinton, Columbia, Luzerne, Lycoming, Montour, Northumberland, Snyder and Union). This position plans, designs, and implements best management practices to solve environmental problems related to nutrient management and water quality on agricultural operations.

Bachelor degree in Civil or Agricultural Engineering or a related field required. CAD, Survey, Timber frame or Concrete Foundation Construction experience a plus. Engineer-In-Training (EIT) Certificate required within one year of employment. Valid PA Driver's License required.

The position requires an immediate fill and is located in Lewisburg, Pennsylvania, but will also work in the Regional NRCS office in Bloomsburg and the supported counties as needed.

Resumes and cover letters will be accepted via email to the Union County District Manager Eric Nyerges at enyerges@unionco.org. For any questions or more information please call (570) 524-3861. Union County is an EOE.

Below is the official position description.

Code: 2905

FLSA: Exempt

UNION COUNTY, PENNSYLVANIA

CLASSIFICATION SPECIFICATION

**CLASSIFICATION TITLE:
ENGINEER**

CONSERVATION DISTRICT

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.

Develops concrete and timber-frame structure projects; calculates parameters and materials needed; drafts designs; organizes design packages

Works with farmers operating animal (diary/beef, poultry, egg) and field crop operations, general contractors, federal and state officials to design, implement and inspect Best Management Practices (BMPs) for agricultural operations.

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.

Trains other staff members regarding computer aided design and engineering matters.

Prepares or completes various forms, reports, correspondence, charts, spreadsheets, inventory and evaluation reports, engineering drawings and specifications, design calculations, expense reports, or other documents.

Receives various forms, reports, correspondence, logs, inventory and evaluation reports, engineering drawings and specifications, nutrient management plans, survey data, design calculations, PA One Call, policies, procedures, directories, reference materials, Federal (NRCS) Technical Guide Standards, national building codes and construction manuals, soil surveys, NRCS standard detail drawings, national agricultural handbooks, manufacturer's literature, websites, or other documentation; reviews, completes, proofreads, processes, forwards or retains as appropriate.

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, general office equipment, computer-aided drawing equipment, or other equipment as necessary to complete essential functions, to include the use of CAD software, word processing, spreadsheet, database, or other system software.

ADDITIONAL FUNCTIONS

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Bachelor's degree in Civil or Agricultural Engineering or related field; supplemented by one (1) year(s) of experience in project management, engineering or related field; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job. Must possess and maintain a valid Pennsylvania driver's license. Must possess an Engineer-In-Training certification.

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 use CAD, survey, 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