

Susquehanna County Conservation District Job Description

Title: Professional Engineer (Agriculture)

Classification: Full time, Non-exempt

Updated: February 2024

POSITION DESCRIPTION

The Agricultural Professional Engineer will participate in regional, state and federal conservation programs and trainings and will provide technical support to staff as it relates to agriculture. The Agricultural Professional Engineer will provide technical engineering services, as required, for the design and construction of agricultural best management practices using NRCS standards and specifications. They will provide site construction supervision for agricultural best management practices to assure that construction work is completed in accordance with design parameters. They will have the ability to become proficient in computer programs used in the design of agricultural plans and best management practices.

Purpose: The Agricultural Professional Engineer will provide expertise in the Conservation District's agricultural engineering design and project implementation programs.

JOB DUTIES AND RESPONSIBILITIES:

Essential Job Duties, Tasks and Accountabilities:

- Follow NRCS standards and specifications, providing planning and design for engineered agricultural practices and other conservation practices needing agricultural engineering guidance
- Interpret plans and specification for contractors
- Perform site investigations and field construction checks for conservation practice installations.
- Determine the type, scope, and intensity of field investigations and surveys needed for practice implementation
- Direct and prepare designs, preliminary and final drawings, and specifications on complex engineering practices.
- Review and check engineering planning, design, and construction work of staff.
- Provide technical assistance, guidance, and training to staff on engineered practices and in the use and care of engineering equipment.
- Participate in local, regional, and statewide conservation programs and trainings related to Agricultural practices.
- Be familiar with traditional and emerging agricultural engineering practices as well as all applicable local, state, and federal laws and regulations.
- Be knowledgeable of commonly referenced regulations, in particular the Pennsylvania Clean Streams Law, Chapter 91 (Manure Management), Act 38 (Nutrient Management), 102 (Erosion and Sedimentation Control), and 105 (Dam Safety and Waterway Management).
- Become familiar and proficient in the use of computer programs used in the design of agricultural plans and best management practices, such as AutoCAD, Practice Keeper, and Conservation Desktop.

- Attend required trainings
- Attend SCCD monthly board meetings, as requested
- Prepare weekly, monthly and quarterly reports
- Perform other duties and tasks, as required by the District Manager.

QUALIFICATIONS/REQUIREMENTS:

- Possess a BS in Civil and/or Environmental Engineering from an accredited college or university.
- Have at least five years of experience in natural resource conservation or similar fields
- Possess an up-to-date Professional Engineer's license valid in the Commonwealth of Pennsylvania.
- Experience with AutoCAD
- Experience and understanding of surveying fundamentals, including total station survey and GPS survey
- Ability to mentor and train co-workers in the fundamentals of sound nutrient management and erosion and sedimentation control principals
- Proficient in training other on all technical aspects required of the position
- Public speaking in Core SCCD outreach issues
- Good analytical and mathematical skills
- Good interpersonal skills
- Understanding of requisite laws and practices
- Ability wo work independently with minimal supervision
- Good conflict resolution skills
- Knowledge and use of digital photography
- A valid driver's license
- Must be able to lift 50lbs
- Use of designated PPE for construction sites

PREFERRED SKILLS, KNOWLEDGE & EXPERIENCE:

- Knowledge of local, state and federal laws
- Strong organizational and time management skills
- Strong verbal and written communication skills
- Accurate and detail-oriented
- Easily adapt to changes in the work environment
- Ability to work effectively with people from diverse backgrounds

COMPUTER SKILLS:

- Strong Microsoft Word & Excel Skills
- Strong PowerPoint Skills
- Strong Outlook Skills (Email and Calendar)
- Bitmap and .jpg usage
- Strong AutoCAD and ArcGIS Skills

PHYSICAL DEMANDS:

While performing the duties of this position, the employee is frequently required to stand, walk, sit, kneel, stoop, crouch or squat; drive a personal vehicle if a district automobile is not available; talk and

hear. Occasionally, the employee will need to reach or work with arms above shoulder height and climb stairs, bend at the waist or work bent at the waist, push lift or carry heavy items; work with machinery

WORK ENVIRONMENT:

- This position is flexible with the combination of both on-site, in office and remote work.
- This position requires approximately 25% of the time be spent in the field which could include inclement weather and on rough terrain, and working around heavy equipment at construction sites.
- The noise level in the work environment will vary by location

OTHER:

- This position requires professionalism
 - Must be able to drive to and from various sites
 - Ability to work extended hours, if needed
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In order to provide equal employment and advancement opportunities to all individuals, employment decisions at Susquehanna Conservation District will be based on merit, qualifications, and abilities. Susquehanna Conservation District does not discriminate in employment opportunities or practices on the basis of race, color, religion, sex, national origin (Title VII of the Civil Rights Act of 1964, as amended; Equal Employment Opportunity of 1972; Equal Pay Act of 1963), age (Age Discrimination in Employment Act of 1967, as amended), disability (American Disability Act of 1990), military obligations (Uniformed Services Employment and Reemployment Rights Act of 1994 (USERRA) and Section 7309 of the Military Code of 1975, P.L. 233, No. 92 as amended, 51 Pa. C.S. §7309), or any other characteristic protected by law (Pennsylvania Human Relations Act of 1955, as amended) (Bohlander, Snell, Sherman, 2001, p.47).

This job description in no way states or implies that these are the only duties to be performed by the employee occupying this position. Employees will be required to follow any other job-related instructions and to perform any other job-related duties as requested by their supervisor.

The Susquehanna County Conservation District is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the SCCD will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective employees and incumbents to discuss potential accommodations with the employer.