

## **Engineering Specialist (Small Farms Program) Learned Professional/Exempt Employee**

The Engineering Specialist will be a member of the Small Farms Team and serve as a conservation technician to work cooperatively in the planning, design and implementation of Agricultural Best Management Practices (BMPs) in the Watershed Agricultural Program (WAP) in the West of Hudson Watershed.

### **Education and Experience Requirements:**

- Associate's Degree required, Bachelor's Degree preferred.
- Knowledge of basic engineering and construction skills used in the design of and layout of agricultural buildings and water quality conservation practices.
- Knowledge of farming practices on dairy and other livestock operations.
- Computer knowledge including word processing and spreadsheet applications. Familiarity with computer aided design programs (AutoCAD) is preferred.
- Knowledge of GIS and operation of surveying total stations are preferred.
- Ability to work independently, manage workload effectively, and demonstrate good organizational skills.
- Ability to maintain a professional working relationship.
- Ability to communicate clearly, both orally and in writing.
- Ability to maintain a professional working relationship within a team setting.

### **Duties and Responsibilities:**

- Design Natural Resource Conservation Services (NRCS) and WAC Agricultural BMPs, including but not limited to structural facilities for calves, covered barnyard and feeding areas, agricultural ventilation systems and related agricultural manure storages and equipment.
- Explain design packages and procurement procedures to participants (farmers and landowners), and coordinate project implementation with contractors and participants.
- Oversee and properly document the construction of BMPs following an approved design.
- Assist with innovative solutions and designs to solve water quality problems.
- Assist in planning of Whole Farm Plans.
- Complete Annual Status Reviews as assigned.
- Other responsibilities as assigned.

### **Reporting Relationships:**

- Works under the direct supervision of the Technician and Engineering Coordinator or his/her designee.