

Watershed Agricultural Council

Agriculture ♦ Forestry ♦ Conservation Easements ♦ Economic Viability

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nycwatershed.org



Watershed Agricultural Council Engineering Specialist Learned Professional/Exempt Employee

The Engineering Specialist will serve as a conservation technician to work cooperatively in the design and implementation of Agricultural Best Management Practices (BMPs) in the Watershed Agricultural Program (WAP).

Education and Experience Requirements:

- Associate's Degree required, Bachelor's Degree preferred in an Engineering or related field.
- Knowledge of basic engineering and construction skills used in the design 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.
- Computer automated design (CAD) programs experience required, AutoCAD Civil3d design experience preferred.
- Knowledge of ArcGIS and other related GIS software a plus.
- Survey Skills required, digital survey skills are preferred.
- Must have a valid and current driver's license

Duties and Responsibilities:

- Design Natural Resource Conservation Services (NRCS) and WAC Agricultural BMPs including 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 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.
- Work independently, manage workload effectively and use good organizational skills.
- Ability to communicate clearly, both orally and in writing.
- Ability to maintain a professional working relationship within a team setting.
- Ability to effectively work on multiple projects simultaneously.
- Other responsibilities as assigned.

Reporting Relationships:

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