

# Watershed Agricultural Council

Agriculture ♦ Forestry ♦ Conservation Easements ♦ Economic Viability

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nycwatershed.org



## **Watershed Agricultural Council Agricultural Program Engineer Learned Professional/Exempt Employee**

The WAP Engineer will serve as a program engineer to work cooperatively in the planning, design and implementation of Agricultural Best Management Practices (BMPs) in the Watershed Agricultural Program (WAP).

### Education and Experience Requirements:

- Bachelor's Degree in Civil Engineering or related field required.
- Provide successful certification of PE license or the ability to obtain PE within 24 months.
- Have the ability to use said approval in New York State in our related conservation engineering fields.
- Knowledge of farming practices on dairy and other livestock operations.
- Computer knowledge including word processing and spreadsheet applications.
- AutoCAD Civil3D design experience required.
- Knowledge of ArcGIS and related GIS related software a plus.
- Survey skills required, digital survey skills are preferred.
- Must demonstrate ability to work independently, manage workload effectively, demonstrate good organizational skills and display self starting ability.
- 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.
- Ability to effectively work on multiple projects simultaneously.
- Must have a valid and current driver's license.

### Duties and Responsibilities:

- Develop and implement Natural Resource Conservation Services (NRCS) and WAC Agricultural structural BMPs to include but not limited to; light planning assistance, project cost estimating, surveying, design package development with all applicable specifications, drawings, calculations and all pertinent Operation & Maintenance Agreements (O&M's). Field implementation of BMP structural design packages following WAC Policies, WAP procurement, guidelines and SOP's.
- Provide official design package checking and NYS stamped approval as assigned.
- Guide WAP technical staff as assigned, in their BMP project design package development including but not limited to: Drawings, specification writing, typical development and revision, all necessary calculations, O&M writing and development, etc.
- Develop new "WAC BMPs" as assigned following WAC policy and WAP guidelines. This may include Research & Development of standards, specifications and typical development with cost and component estimates, etc.

- Provide general overview and guidance for the WAP/WAC Erosion & Sediment Control plans. This includes but not limited to: E & S C plan development and approval, training and site inspections for the WAP projects as assigned. This will include working with applicable agencies to obtain proper permitting.
- Assist Engineering and Technician Coordinator in revising existing WAC BMPs as assigned.
- Provide engineering assistance to planning staff as requested.
- Assist with construction oversight as needed.
- Provide staff training as assigned.
- Develop WAC/WAP implementation Policies, Guidelines and SOPs as required and/or assigned.
- Other responsibilities as assigned.

Reporting Relationships:

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