

Water Quality Modeling Research Assistant

The New England Interstate Water Pollution Control Commission (NEIWPC), located in Lowell, Massachusetts, serves to protect, preserve, and restore water quality in the Northeast. NEIWPC is working with the Long Island Sound Study to conduct a cost-optimization study in the upper Connecticut River basin. The Northeast AVGWLF (www.neiwpc.org/AVGWLF) - a watershed scale model that uses hydrology, land cover, soils, topography, weather, pollutant discharges, and other critical watershed-related characteristics to model sediment and nutrient transport within a watershed, will be used for this analysis.

JOB SUMMARY: NEIWPC seeks a Research Assistant to work part-time to model, using the Northeast AVGWLF, the implications of implementing various best management practice (BMP) scenarios in the Connecticut River watershed have on nutrient and sediment loading to the watershed. The Research Assistant will also assist the project manager in other Connecticut River and Northeast AVGWLF activities.

RESPONSIBILITIES: The Water Modeling Research Assistant will perform the following tasks:

- Assist NEIWPC staff with the development of a Quality Assurance Project Plan for this project.
- Work with staff from NEIWPC, the Long Island Sound Study, and a Connecticut River workgroup to develop BMP scenarios and run the model.
- Update the BMP database in the model
- Develop power point presentations and present work at project meetings
- Review and/or proof-read technical reports
- Assist with project meetings
- Other duties as assigned

EDUCATION: Minimum 3 years towards a Bachelors Degree in the Environmental Sciences or related field; enrollment in a Master's program is preferred; extensive knowledge of Arc View 3.x and water quality modeling; course work in watershed management, environmental policy, or water resources a plus.

QUALIFICATIONS: Ideal applicants will be well-organized and highly motivated, with a background in watershed modeling; specific qualifications:

- Extensive knowledge of and experience using Arc View 3.x
- Experience using or knowledge of water quality models;
- Experience or course work in water quality and watershed management
- Demonstrated ability to complete assignments independently and follow projects through completion;
- Excellent verbal and written communication skills (e.g., comfortable communicating with professionals via phone and email);
- Availability to work 10 to 20 hours/week at NEIWPC's office in Lowell, MA;
- Knowledge of Clean Water Act Programs, specifically Total Maximum Daily Load (TMDL) and Nonpoint Source Pollution (NPS) is a plus.

ADDITIONAL INFORMATION: The position will last until the completion of the project; this position does not include benefits.

TO APPLY: Send a letter of intent, resume, writing sample, and list of references to:

Human Resource Manager

Attn: Water Quality Modeling Research Assistant

New England Interstate Water Pollution Control Commission
116 John Street
Lowell, MA 01852-1124

OR

jobs@neiwpc.org

Subject: Water Quality Research Assistant