

## PUBLIC HEALTH ENGINEER

**DISTINGUISHING FEATURES OF THE CLASS:** The work is of a professional public health engineering nature involving complex responsibilities in relation to the execution of environmental health programs. The work entails responsibility, under general supervision, for carrying out any specific phases of the program; performing specific assignments of high difficulty and responsibility; advising public officials or individuals on problems requiring good professional public health engineering knowledge and judgment, including measures for improvement and compliance with state public health laws and sanitary code; assisting in the promotion of public health through application of environmental health practices requiring good professional knowledge and skill; assisting in the enforcement of the provisions of all local and state public health laws and sanitary codes in relation to environmental health matters; investigations of conditions and problems requiring good professional public health engineering knowledge and ability; responsible for the preparation of complicated technical reports. An employee in this class works under general supervision of the Director of Environmental Health or Senior Public Health Engineer, but may supervise a small staff including Assistant Public Health Engineers, Public Health Engineer Trainees, Public Health Technicians, and Environmental Health Aides. Does related work as required.

**TYPICAL WORK ACTIVITIES:** The typical work activities listed below, while providing representative examples of the variety of work assignments in the title, do not describe any individual position. Incumbents in this title may perform some or all of the following, as well as other related activities not described.

Assists with enforcement of provisions of local and State Public Health Laws and Sanitary Codes relating to air pollution, public water supplies, sewerage and waste disposal, operation of water and wastewater treatment plants, swimming pools and bathing beaches, camps, hotels, lodging and boarding houses, restaurants and public eating places, stream pollution, realty subdivisions, qualification of water and wastewater treatment plant operators, public health nuisances and related matters;

Completes sanitary surveys of public water supply systems;

Conducts design review and approvals for on-site sewage and water and swimming pools;

Investigates complaints received regarding public health nuisances, including but not limited to sanitary control of food and insect and rodent control;

Assists in the instruction and training of water plant operators, environmental health personnel, food handlers, restaurant proprietors, camp owners and other classes of operating personnel;

Maintains relationships and cooperates with local, state and federal agencies

whose work or policies affect the environmental health program;

Prepares technical reports including recommendations;

Assists in developing public health engineering and environmental health policies;

May assist in environmental health investigations of outbreaks of disease.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Thorough knowledge of the principles, practices and techniques and administration of public health engineering and environmental health as related to air pollution, water supplies and purification, sewerage and sewage disposal, stream pollution, sanitary control of foods, restaurants and public eating places, smoke abatement, sanitary control of camps, hotels, lodging and boarding houses, swimming pools, bathing beaches, schools and other places, insect and rodent control, public health nuisances and general sanitation; working knowledge of provisions of Public Health Laws and State Sanitary Codes related to the above subjects; ability to prepare technical reports and correspondence; advanced skill in public health engineering techniques and practices; initiative and resourcefulness in solving public health engineering problems; ability to deal satisfactorily with public and other officials; ability to develop and maintain good public relations; professional judgement.

**MINIMUM QUALIFICATIONS:**

- A. Graduation from a regionally accredited or New York State registered college or university with a master's degree in engineering and one (1) year of satisfactory engineering experience in environmental health; **OR**
- B. Graduation from a regionally accredited or New York State registered college or university with a bachelor's degree in engineering and two (2) years of satisfactory engineering experience in environmental health.

Note: A doctoral degree or equivalent academic education in engineering acceptable to the State Commissioner of Health may be honored in lieu of one (1) year of the above required experience.

**SPECIAL REQUIREMENT:** At time of employment and throughout the duration of employment in this title, the incumbent must possess and continuously maintain a license, and current registration, to practice professional engineering in New York State.

ULSTER COUNTY  
5235 PH ENG  
Classification: Competitive  
Grade: 20  
Union: CSEA

Adopted: October 11, 2017