

## **PUBLIC HEALTH ENGINEER**

**DISTINGUISHING FEATURES OF THE CLASS:** This position exists in the Health Department and involves the planning, administration and performance of public health engineering duties concerned with the execution of one or more phases of the environmental health program. The work entails advising public officials or individuals on problems requiring professional public health engineering expertise, including measures for improvement and compliance with legal requirements, assisting in the promotion of public health through application of environmental health practices, assisting in the enforcement of the provisions of local and State health matters and investigations of related conditions and problems. The work is performed under general supervision of a Senior Public Health Engineer or the Director of Environmental Health with leeway allowed for exercise of independent judgment in carrying out details of the work. Supervision may be exercised over the work of subordinate technical and professional employees. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Investigates, reports on and makes engineering recommendations concerning public water supplies or sewage systems, swimming and bathing facilities, restaurants, and public health or environmental nuisances;

Responds to hazardous material and oil spills;

Confers with local officials relative to public health engineering problems;

Interprets the results of laboratory examinations of water samples;

Reviews subdivision plans to determine compliance with State environmental health standards;

Assists in investigations of outbreaks of diseases as part of a public health team;

Maintains relationships and cooperates with State and Federal agencies concerning environmental and sanitary engineering programs and problems;

Develops, oversees and administers various aspects of the County Health Engineering Program;

Performs special assignments relating to phases of public health engineering or environmental health as required;

Represents the Health Department on matters and problems related to environmental and sanitary engineering;

Prepares a variety of records and reports related to the public health engineering program;

May instruct local plant operators in water chemistry and bacteriology as applied in controlling the operation of water works;

Participates in investigations of environmental health factors related to disease outbreaks;

Confers with local officials relative to sanitary engineering problems;

Reviews plans of water supplies and waste water systems, food

service establishments, swimming pools, bathing beaches, and temporary residences submitted by consulting engineers for compliance with local and State health codes;  
Provides technical assistance to technicians and sanitarians regarding engineering problems.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of the principles, practices and techniques of public health engineering and environmental health related to water supplies and purification, sewage disposal, restaurants and public eating places, camps, hotels, swimming pools, bathing beaches, schools and other places, and public health nuisances and general sanitation;  
Working knowledge of the provisions of the Public Health Law and State Sanitary Code related to the above subjects;  
Ability to prepare reports and correspondence;  
Ability to deal with public and other officials and develop public relations;  
Skill in public health engineering techniques and practices;  
Initiative and resourcefulness in solving public health engineering problems;

**MINIMUM QUALIFICATIONS:** Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in engineering; or a license to practice as a professional engineer in New York State.

**SPECIAL REQUIREMENTS:** Possession of an appropriate level New York State Motor Vehicle Operator's License is required at the time of appointment.

As stated in Part 11.101 of New York State Sanitary Code.