

EEO Category: Professionals  
Jurisdictional Class: Competitive  
Revised: 08/27/2024

## **PUBLIC HEALTH ENGINEER**

**DISTINGUISHING FEATURES OF THE CLASS:** This position exists in the Oneida County Department of Public Health and involves responsibility for applying engineering principles for the detection, evaluation, control, and management of those factors in the environment which may influence public health. This position involves responsibility for the planning 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 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 New York State health matters and investigations of related conditions and problems. The work is performed under general supervision. Supervision is exercised over the work of subordinate employees. The incumbent performs related work as required.

### **TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Reviews engineering plans and specifications for compliance with applicable public health laws, codes, rules, regulations and standards;

Investigates, reports on, and makes recommendations concerning public water supplies, individual water supplies, individual sewage systems, swimming and bathing places, stream pollution, sanitary conditions of camps, mobile home parks, hotels, motels, boarding houses, or migrant farmworker housing, food, restaurant, and general sanitation, air pollution, and environmental nuisances;

Interprets the results of laboratory examinations of air, water, sewage, industrial wastes, and other samples;

Prepares a variety of technical reports, including recommendations for correction of environmental engineering problems;

Responds and conducts investigations for hazardous material and oil spills, fish kills and other problems;

Confers with local officials relative to public health engineering problems;

Assists in the investigation of outbreaks of diseases, as part of a public health team;

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

Provides education and training of staff with respect to public health engineering;

Aids businesses, municipalities, and industries in conducting surveys to detect illegal or improper plumbing connections;

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

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

Assists in developing public health engineering programs and procedures for new and emerging rules and regulations;

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

May assist in the instruction of local water plant operators.

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**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 air pollution, water supplies and purification, sewage disposal, stream pollution, foods, restaurants, and public eating places, camps, hotels, lodging and boarding houses, migrant farmworker housing, swimming pools, bathing beaches, schools and other places, insect and rodent control, public health nuisances and general sanitation; good knowledge of the provisions of the Public Health Law and New York State Sanitary Code related to the above subjects; ability to prepare reports and correspondence; skill in public health engineering techniques and practices; initiative and resourcefulness in solving public health engineering problems; ability to deal with the public and other officials and develop public relations.

**MINIMUM QUALIFICATIONS:**

- (A) Possession of Bachelor's Degree in Engineering; **OR**
- (B) Possession of a license to practice as a Professional Engineer in New York State.

**SPECIAL REQUIREMENT:** Possession of a valid New York State driver's license at time of appointment. License must remain valid throughout appointment.

**NOTE:** Degree(s) must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If the degree was awarded by an educational institution outside the United States and its territories, the candidate must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. Candidates will be required to pay the evaluation fee.

Adopted: Unknown  
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