

ASSISTANT PUBLIC HEALTH ENGINEER

DISTINGUISHING FEATURES OF THE CLASS: This is professional public health engineering work involving responsibilities relative to execution of one or more of phases of environmental health programs in a municipality. Duties entail carrying out any specific phases of the program; performing specific assignments; advising public officials or individuals on problems requiring ordinary professional public health engineering knowledge and judgment, including measures for improvement and compliance with legal requirements; promotion of public health through application of environmental health practices requiring professional knowledge and skill; enforcement of provisions of local and state public health laws and sanitary codes with regard to environmental health matters; investigations of conditions and problems requiring professional public health engineering knowledge and ability; preparation of complicated technical reports. Work is performed under general supervision of a Director of Engineering or other high level health administrator. Supervision of a small number of staff including Public Health Engineer Trainees, Environmental Health Technicians, Environmental Health Aides and clerical employees may be required. Performs related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Applies engineering principles for the detection, evaluation, control and management of those factors in the environment which influence man's health;

Investigates and makes reports and recommendations on public water supplies or sewage systems, swimming and bathing places, stream pollution, sanitary conditions of camps, hotels or boarding houses, food, restaurant and general sanitation, air pollution, and environmental health nuisances;

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

Instructs local water plant operators;

Investigates environmental health factors related to disease out breaks;

Organizes municipalities and industries conducting surveys to detect illegal plumbing connections;

Undertakes and concludes special assignments relating to any phase of public health engineering or environmental health as required;

Performs a variety of related activities as required.

Typical Work Activities are intended only as illustrations of possible types of work that might be appropriately assigned to an incumbent of this title. Work activities that do not appear above are not excluded as appropriate work assignments, as long as they can be reasonably understood to be within the logical limits of the job.

ASSISTANT PUBLIC HEALTH ENGINEER (cont'd)

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS: Good knowledge of the principles, practices and techniques of public health engineering and environmental health as related to air pollution, x-ray installations, water supplies and purification, sewage and sewage disposal, stream pollution, milk and other foods, restaurants and public eating places, camps, hotels, lodging and boarding houses, swimming pools, bathing beaches, schools and other places, insect and rodent control, housing public health nuisances and general sanitation; good knowledge of the provisions of environmental health laws, and local sanitary codes related to 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 establish and maintain effective working relationships with subordinates, colleagues, and the public; tact and courtesy.

MINIMUM QUALIFICATIONS: Either

- a) Masters degree in engineering; or
- b) Bachelors degree in engineering and one (1) year experience the field of environmental or public health; or
- c) A license to practice as a professional engineer in New York State; or
- d) An equivalent combination of training and experience as described above.

PLEASE NOTE: Education beyond the secondary level must be from an institution accredited or recognized by the Board of Regents of the New York State Department of Education as a post secondary, degree-granting institution.

SPECIAL REQUIREMENT:

Access to transportation may be required to complete possible field work assignments in a timely and efficient manner.