

ORANGE COUNTY CLASS SPECIFICATION

TITLEC PUBLIC HEALTH ENGINEER **GRADE:** 14
TITLE ABBREVIATION: PUBLIC HEALTH ENG **TITLE NO.:** 6527
JURIS.CL: C **SALARY CODE:** 01 **UNIT:** **EEO CODE:** PR **FLSA CODE:** PR
DEPARTMENT: PUBLIC HEALTH **DIVISION:** ENVIRONMENTAL
SUPERVISOR'S TITLE: PRINCIPAL PH ENGINEER/SENIOR PH ENGINEER

DISTINGUISHING FEATURES OF THE CLASS: This work involves responsibility for the execution of one or more specialized phases of the public health engineering program. This is professional engineering work which entails advising public officials or individuals on problems requiring professional public health engineering knowledge and judgment, assisting in the promotion of public health through the application of public health engineering practices and assisting in the enforcement of public health law and State Sanitary Code. Work is performed under the general supervision of a Principal Public Health Engineer or Senior Public Health Engineer. Does related work as required.

TYPICAL WORK ACTIVITIES:

Reviews and evaluates engineering submissions for realty subdivisions, public water supply system improvements, water main extensions, storage tanks, disinfection systems and public swimming pools and spas;

Conducts field inspections at water plants, realty subdivision sites and sewage disposal systems under construction to determine compliance with established standards and requirements;

Investigates public health complaints which may require an engineering solution;

Inspects public water supply systems on a regular basis and during emergencies;

Prepares various reviews and reports in conjunction with engineering inspections and evaluations;

Interprets the results of chemical and bacteriological examinations of water;

Participates in joint site inspections to ensure that proper site and soil conditions are present for installation of subsurface sewage disposal systems and submitted designs are appropriate;

Conducts on-site inspections of all projects to ensure that information provided on plans is accurate;

Utilizes a variety of computer software programs to complete reports and maintain records.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of the principles, practices and techniques of public health engineering as related to water supplies and purification, sewerage and sewage disposal and stream pollution; good knowledge of personal computer software including word processing, spreadsheet and database software; working knowledge of the provisions of public health law and State Sanitary Code related to the above subjects; working knowledge of public health engineering techniques and practices; ability to prepare satisfactory reports and correspondence; ability to deal satisfactorily with public and other officials; ability to communicate both orally and in writing; initiative and resourcefulness in solving public health engineering problems of ordinary difficulty; good professional judgment; tact; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Either:

- A. Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with a Bachelor's Degree in Engineering and one (1) year of experience as a Public Health Engineer Trainee or in public health, sanitary, environmental or civil engineering; OR
- B. Possession of a license to practice as a professional engineer in New York State and one (1) year of experience as a Public Health Engineer Trainee or in public health, sanitary, environmental or civil engineering.

NOTE: A Master's Degree Public Health Engineering, Sanitary Engineering, Environmental Engineering, Civil Engineering or related field may be substituted for the one year of required experience.

SPECIAL REQUIREMENT: Possess and maintain a valid driver's license.

ADOPTED: November 14, 1989
REVISED: 11/22/00 mf
REVISED: 01/11/01 mf
REVISED: 07/25/05 ms
REVISED: 08/04/08 ag
REVISED: 09/25/17 dc
REVISED: 04/04/2018 dmc