

ORANGE COUNTY CLASS SPECIFICATION

TITLE: PUBLIC HEALTH ENGINEER TRAINEE **GRADE:** 13

TITLE ABBREVIATION: PUBLIC HEALTH ENG TR **TITLE NO.:** 6535

JURIS.CL: C **SALARY CODE:** 01 **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: The trainee level is used to recruit into the public health engineering field, individuals who demonstrate a career interest in the public health engineering field with County government. Trainees receive on-the-job training while performing increasingly responsible and independent activities in the field of public health engineering as it applies to one or more of the specialized phases of the public health engineering program. Direct supervision may be received from Public Health Engineers or other technical superiors during the training period with final review of all projects by the Principal Public Health Engineer or Senior Public Health Engineer. Trainee appointments are for a period of one year, following which incumbents receiving satisfactory ratings will be advanced to the title of Public Health Engineer without further examination. Does related work as required.

TYPICAL WORK ACTIVITIES:

1. Receives training and assists in reviewing and evaluating engineering submissions for realty subdivisions, public water supply system improvements, water main extensions, storage tanks, disinfection systems and public swimming pools and spas.
2. Receives training and assists conducting field inspections at water plants, realty subdivision sites and sewage disposal systems under construction to determine compliance with established standards and requirements.
3. Receives training and assists in investigating public health complaints which may require an engineering solution.
4. Receives training and assists in inspecting public water supply systems on a regular basis and during emergencies.
5. Receives training and assists in preparing various reviews and reports in conjunction with engineering inspections and evaluations.
6. Receives training and assists in interpreting the results of chemical and bacteriological examinations of water.

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7. Receives training and assists in conducting on-site inspection of all projects to ensure that information provided on plans is accurate.
8. Receives training and assists in participating 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;
9. Utilizes a variety of computer software programs to complete reports and maintain records.

FULL PERFORMANCE KNOWLEDGES, 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. A Bachelor's Degree in engineering; OR

B. Possession of a license to practice as a professional engineer in New York State.

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

Note: Your degree 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 your degree was awarded by an educational institution outside the United States and its territories, you 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>. You must pay the required evaluation fee.

REVISED 04/05/24