

**ORANGE COUNTY CLASS SPECIFICATION**

**TITLE:** PRINCIPAL PUBLIC HEALTH ENGINEER **GRADE:** 18

**TITLE ABBREVIATION:** PRIN PH ENG **TITLE NO:** 6091

**JURIS.CL:** C **SALARY CODE:** 01 **UNIT:**  **EEO CODE:** PR **FLSA CODE:** PR

**DEPARTMENT:** HEALTH **DIVISION:** ENVIRONMENTAL HEALTH

**SUPERVISOR'S TITLE:** DIRECTOR OF ENVIRONMENTAL HEALTH SERVICES

**DISTINGUISHING FEATURES OF THE CLASS:** This is professional public health engineering work requiring a high degree of responsibility in the administration and direction of a public health engineering program. Incumbents in this class formulate policy and provide guidance to local officials and the general public regarding public health engineering problems, necessary improvements, compliance with legal requirements and the enforcement of public health law and the state sanitary code. General direction is received from the Director of Environmental Health Services with leeway allowed for the exercise of independent judgment in carrying out assignments. Supervision is exercised over subordinate professional, technical and clerical personnel. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Plans, develops, directs and administers the public health engineering program and supervises the work of the staff;
2. Reviews and makes recommendations regarding approval of engineering projects which require approval by the County or State Department of Health in the area of water supply and sewage disposal facilities for realty subdivisions, public water supply systems, municipal, industrial, commercial and communal wastewater treatment plants and disposal plants, solid waste disposal systems, public swimming pools and air pollution control facilities.
3. Supervises enforcement of the engineering provisions of Public Health Law and State Sanitary Code relating to air pollution, public water supplies, sewerage and wastes disposal, operation of water and sewage treatment plants, commercial and industrial waste water treatment and disposal systems, stream pollution, realty subdivisions, qualifications of water and sewage treatment plant operators and related matters;
4. Formulates public health engineering policies and ensures their application;
5. Represents the Department on all matters relating to public health engineering;
6. Guides and directs educational and regulatory activities pertaining to the program;

7. Provides technical assistance to city, town and village governments, other county agencies and the general public;
8. Makes public health engineering investigations of outbreaks of disease;
9. Maintains good relationships and cooperates with state and federal agencies whose work or policies affect the public health program;
10. Prepares technical reports including recommendations.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL**

**CHARACTERISTICS:** Comprehensive knowledge of the principles, techniques, practices and administration of public health engineering as related to air pollution, water supplies and purification, sewerage and sewage disposal, stream pollution, smoke abatement; thorough knowledge of public health law and State Sanitary Code related to above subjects; outstanding ability to plan, develop, direct and administer public health engineering programs and to project and integrate these into the departmental program; outstanding ability to prepare technical reports and correspondence; demonstrated skill in public health engineering techniques and practices; high degree of initiative and resourcefulness in solving difficult public health engineering problems; outstanding ability to deal with public and other officials; ability to develop and maintain good public relations; outstanding professional judgment; good physical condition.

**MINIMUM QUALIFICATIONS:** Possession of a New York State Professional Engineer's License and 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 Master's Degree in Engineering and three (3) years of experience as a public health engineer; **OR**
- (B) 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 four (4) years of experience as a public health engineer.

**SPECIAL REQUIREMENT:** Possession of a valid driver's license.