

Summary of Duties: Acts as Assistant to the head of the water system or serves as administrative and technical head or manages a division of the Water System of the Department of Water and Power; and does related work.

Distinguishing Features: A Principal Waterworks Engineer, subject only to executive direction and review, is responsible for the activities of a water system division or may direct multiple Water System divisions as a member of the water system executive office. In addition, this work entails a high order of professional engineering, primarily in the field of civil engineering as applied to a large municipal water utility, since an employee of this class serves in a technical as well as in an administrative capacity.

Examples of Duties: Reviews, analyzes, and recommends for executive action matters pertaining to waterworks engineering and other matters pertaining to the Water System; establishes and administers system and/or divisional procedures and policies, subject to executive approval; fulfills supervisory affirmative action responsibilities as set forth in the City's affirmative action program; directs preparation and execution of divisional work programs, budgets, and activity reports; represents the system or division in Departmental conferences; confers with private and governmental agencies and contractors on design, construction, and operational problems;

Directs design, construction, operation, maintenance, testing, and research activities as they pertain to the water distribution, pumping, storage, treatment, and aqueduct systems and related facilities, including commercial services, land management, shop operations and storekeeping, and gathering hydrographic data; participates in the planning of additional sources of water and system expansion, making economic and environmental studies, and making recommendations as to the feasibility of alternative plans; directs the activities of several units engaged in mechanical, electrical, civil, and other types of engineering work pertaining to the design, construction, operation and maintenance of dams, reservoirs, major trunk lines and distribution lines, pumping stations, water treatment plants, filtration plants, buildings, and other water distribution structures and facilities; directs the operation and maintenance of automotive transportation and construction equipment; directs sanitary engineering activities pertaining to the quality of water; directs legislation and litigation support activities coordinates activities within one division with those of other divisions and the over-all program of the Water System; and may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications: A good knowledge of the principles and practices of civil engineering as applied in administering the design, construction, maintenance, and operation of a large waterworks system;

a good knowledge of Charter provisions, policies, rules, and practices affecting the operation of the Water System; a good knowledge of the organization of the Water System; a good knowledge of safety principles and practices; a working knowledge of the laws and regulations related to equal employment opportunity and affirmative action; a general knowledge of the City personnel rules, policies and procedures; a general knowledge of Memoranda of Understanding as they apply to subordinate personnel; the ability to coordinate the work of one or more divisions with the over-all program of the Water System; the ability to plan and direct work programs and organizational procedures for normal and emergency operations, exercise executive direction over many classes of employment, and coordinate and direct the many activities carried on in a large water utility; the ability to take complete charge of the engineering investigation, design, or construction of large and important waterworks projects and to evaluate alternate proposals in relation to technical soundness, economic and environmental aspects, and long-term planning; the ability to prepare or supervise the preparation of comprehensive technical reports, cost control procedures, and accurate records; the ability to handle negotiations with contractors, engineers, representatives of governmental agencies; ability to provide legislative and litigation support and the ability to deal tactfully and effectively with employees and the public.

Two years of full-time paid professional experience in waterworks engineering at the level of Senior Waterworks Engineer with the City of Los Angeles is required for Principal Waterworks Engineer.

Registration: Registration as a Civil Engineer with the California State Board of Registration for Civil and Professional Engineers is required.

License: A valid California driver's license and a good driving record are required.

Appointment to a position in this class is subject to a one-year probationary period as provided by Section 109 of the City Charter.

Physical Requirements: Strength to perform average lifting of less than 5 pounds and occasionally over 15 pounds; good speaking and hearing ability; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what

the duties and responsibilities of any position shall be.