

**MAJOR FUNCTION**

This is scientific, professional and technical work involving the planning and implementation of restoration, management, and maintenance programs dealing with lakes, storm flow and abatement systems, and stormwater pollution abatement systems. Duties include, but are not limited to, conducting a regular program of lake water quality testing, recommending remedial or preventive programs of facilities construction, aquatic chemical treatment, aquatic plant control, aeration technology and promoting public awareness. Work is performed under the general direction of the Stormwater Management Engineer and is reviewed through evaluation of reports, conferences, inspections, and results of established program objectives.

**ESSENTIAL AND OTHER IMPORTANT JOB DUTIES****Essential Duties**

Conducts tests and research studies on specific lake problems and prepares detailed scientific reports outlining findings and recommendations for restoration of water quality projects. Consults with representatives of federal, state and local regulatory agencies and the Water Management District regarding development and maintenance of ongoing programs. Prepares permit applications and related background documents for stormwater and lake enhancement projects and programs. Develops, promotes, and directs public awareness programs in lake management, lakeshore maintenance and pollution control; solicits citizen participation, writes and publishes guidelines and manuals regarding lake management programs for use by City maintenance personnel and distribution to the public and media. Performs related work as required.

**Other Important Duties**

Assists in preparing and administering the budget for section. Keeps abreast of general and specific developments in job field through training, reading, etc. Performs related work as required.

**DESIRABLE QUALIFICATIONS****Knowledge, Abilities and Skills**

Considerable knowledge of modern principles and practices of environmental resource management as applied to lakes restoration and maintenance, including planning and implementation of extensive short and long-range programs. Considerable knowledge of required permitting process of various local, state and federal agencies. Considerable knowledge of sources of pollutants which are detrimental to the extended life cycle of lakes and aquatic flora and fauna affecting the extended life cycle of lakes. Considerable knowledge of the fields of biology, microbiology, hydrology, chemistry, and environmental engineering as they relate to water resource management and quality control. Ability to prepare comprehensive reports on water quality recommendations and to effectively present programs and ideas orally and in writing. Ability to organize, guide, and participate in committees and group meetings in an effective manner and to deal with public relations problems courteously and tactfully. Ability to conduct independent studies and research and to make professional analyses of environmental and ecological impacts regarding surface water quality. Ability to exercise sound judgment. Ability to establish and maintain effective working relationships as necessitated by the work. Skilled in the use of microcomputers and job related software.

**Minimum Training And Experience**

Possession of a bachelor's degree in environmental engineering, hydrology, hydraulics, environmental resources management, aquatic biology, limnology or a related field and three years of professional experience that includes planning and implementation of lakes restoration, or lakes management, and maintenance programs dealing with lakes, or storm flow abatement systems; or an equivalent combination of training and experience.

Necessary Special Requirement

Must possess a valid Class E State driver's license at the time of appointment.

Established: 06-27-91  
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02-27-07  
01-25-11\*