

CLASS TITLE: Assistant Engineer of Water Purification

CHARACTERISTICS OF THE CLASS: Under direction, assist in the directing the operation, maintenance and development of the City's water purification system; and performs related duties as required.

ESSENTIAL DUTIES: Assist in manages the operation and maintenance of the Department of Water's Purification Plants; assist in directing the collection and testing of water and chemical treatment samples; assist in directing the planning and design of Capital Improvement Projects; monitors of all state and federal drinking water regulations pertinent to the City's water supply; inspects filtration plants to observe conditions of water treatment and establish standard operating procedures; investigates the effects of existing infrastructures on the distribution system; recommends areas of research and study to identify potential environmental issues; assist in the preparation of the annual operating budget.

MINIMUM QUALIFICATIONS:

Training and Experience. Graduation from an accredited college or university with a Bachelor's degree in Chemical or Civil Engineering, supplemented by six years of progressively responsible experience in water purification operations, including three years of supervisory experience; or an equivalent combination of training and experience is required.

Knowledge, Abilities and Skill. Considerable knowledge of water purification operations. Considerable knowledge of procedures, policies and regulations. Considerable knowledge of chemical engineering theories, principles and procedures involved in water purification.

Ability to apply water treatment technology principles to a major municipal water system. Ability to assign and direct the work of a technical staff. Ability to review and interpret technical reports and studies.

Skill in the application of engineering principles, procedures and theories in water treatment processes. Excellent communication skills both orally and written.

License Requirements. Registration as a Professional Engineer (R.P.E.) in the State of Illinois.

NOTE: While the list of essential duties is intended to be as inclusive as possible, there may be other duties which are essential to particular positions within the class.

November, 1995