CLASS TITLE: **Water Quality Inspector**

**CHARACTERISTICS OF THE CLASS:** Under supervision, collects and tests water samples for conformance to water purity standards; and performs related duties as required.

**ESSENTIAL DUTIES:** Collects water samples from designated distribution system locations on a daily basis; performs chlorine residual tests and takes temperature of water at each collection point; conducts perimeter, public buildings and drinking fountain surveys to ensure water quality for public consumption; utilizes chlorine residual recorders, and records and analyzes readings in order to inform supervisors of adverse conditions affecting water quality or sampling procedures; delivers samples to the Water Purification Division for detailed chemical and bacteriological analyses; assists engineers in conducting raw water surveys and inspections of lake water; assists engineers in the testing of water in dead-end mains, public buildings and perimeter locations; maintains records of samples collected and tests performed.

**RELATED DUTIES:** Drives to field sites to collect specimen; tabulates and proofreads water quality data when assigned to the office.

**MINIMUM QUALIFICATIONS:**

**Training and Experience.** One year of water quality inspection experience, or an equivalent combination of training and experience. A valid State of Illinois driver's license is required.

**Knowledge, Abilities and Skill.** Good knowledge of the practices and procedures used in conducting water surveys. Good knowledge of the operation of basic water testing equipment.

Ability to drive a vehicle. Ability to operate and maintain basic water testing equipment. Ability to prepare daily worksheets and maintain accurate work records.

Working skill in performing field water tests. Basic oral and written communication skills. Working skill in identifying and evaluating problems which could affect the water quality at a sampling site.

**Physical Requirements.** Ability to occasionally lift and carry up to thirty-five pounds. Ability to occasionally climb stairs. Ability to stand and walk frequently.

**Working Conditions.** Exposure to inclement weather and a wet environment is unavoidable.
CLASS TITLE: **Water Quality Inspector (Cont'd)**

**Equipment.** Standard office equipment, pH meters, thermometers, chlorine test kits and sample collection bottles.

**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.

February, 1995