

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

WATER PLANT OPERATOR

POSITION CODE: 49050
Effective: 07/01/2006

DISTINGUISHING FEATURES OF WORK:

Under direct supervision, performs semiskilled work in the operation and maintenance of a plant providing an adequate and sanitary water supply for a state institution.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Operates high and low pressure pumps, motors, filter beds, chlorinators, lime, alum and carbon feeders and simple laboratory equipment.
2. Takes daily water level readings; administers simple tests for turbidity, taste, odor, hardness, alkalinity, and concentrations of residual chlorine, hydrogen ion, and calcium carbonate.
3. Prepares weekly samples (i.e., bacteria, chemical, mineral) of raw, settled and filtered water for analysis by the Illinois Department of Public Health, the Illinois State Water Survey and the Illinois Environmental Protection Agency.
4. Keeps daily, weekly and monthly records of tests and volume of water pumped and treated and chemicals used.
5. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental developmental equivalent to completion of four years of high school.

Requires three years of experience in water treatment plant operation.

Requires possession of a current E.P.A. Class "A" Water Supply Operator Certificate for those positions which include surface water community water supplies or possession of a current E.P.A. Class "B" Water Supply Operator Certificate for those positions which do not include surface water community water supplies.

Knowledges, Skills and Abilities

Requires extensive knowledge of the machines, equipment, materials and operating practices of a water pumping and treatment plant.

Requires ability to keep routine records and make simple reports.

Requires ability to operate and maintain equipment used in water plant operation.

Require ability to make accurate gauge recordings.

Require ability to make chemical and physical tests of water for impurities.

Require ability to understand and carry out written and oral instructions.

Requires ability to establish and maintain satisfactory working relationships with fellow employees, water officials and the general public.