



TRANSFER/PROMOTIONAL OPPORTUNITY

WATER SYSTEM OPERATOR

THE PURPOSE: The Water System Operator is responsible for all activities of the Water Works Control Center during an assigned shift. This includes monitoring and operating the entire finished water system, including plant clearwells, elevated storage tanks, ground level storage tanks, pumping stations, pressure reducing valves, and other infrastructure to maintain flows and pressure within specified limits. The person in this position uses the SCADA (Supervisory Control and Data Acquisition) system to monitor instruments and equipment and to review and analyze data. Operators use all information and data available to make appropriate operating decisions and take proper actions to efficiently maintain optimal system conditions in conformance with established criteria, procedures, and regulations.

ESSENTIAL FUNCTIONS:

- ◆ Monitors instrumentation and controls water flow and pressure of the distribution system
- ◆ Takes appropriate corrective measures to maintain and optimize operations in conformance with established criteria for pressure, flow, energy use, system stability, water quality and customer requirements
- ◆ Inspects booster station infrastructure, machinery, equipment, and instruments to detect problems and initiate corrective actions
- ◆ Locally operates valves, pumps, instruments; performs minor maintenance of booster stations, facilities, and grounds
- ◆ Directs or coordinates work groups to repair elements of the booster pump stations and elevated tank
- ◆ Monitors alarms, security, and distribution system problems and emergencies. Notifies appropriate personnel and agencies as situations dictate
- ◆ Generates reports and analyzes data related to water system operation
- ◆ Perform other duties as assigned

CONDITIONS OF EMPLOYMENT INCLUDE: Must work rotating shifts and is subject to 24-hour emergency call out at any time.

Reasonable accommodations requested by qualified individuals with disabilities will be made in accordance with the Americans with Disabilities Act (ADA) of 1990.

MINIMUM REQUIREMENTS:

1. Current status and at least six months of experience as a regularly-appointed City of Milwaukee employee.
2. Associate's Degree in water treatment technology, science, engineering, computer science, or a related field from an accredited college or university **AND** two years of experience in a water treatment plant or similar setting performing centralized systems operations.

NOTE: Copies of college transcripts must be submitted with application (student copies are acceptable) or sent directly to the attention of Laura Daniels at the Milwaukee Water Works.

NOTE: Equivalent combinations of education and experience may also be considered.

3. Possession of a Wisconsin DNR Water Distribution License within six months of appointment and throughout employment.
4. Valid driver's license at the time of appointment and throughout employment.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of biology, chemistry, and mathematics as applied to the operation of the water system.
- Knowledge of hydraulics in water systems.
- Knowledge of water distribution systems and water treatment.
- Knowledge of equipment and instruments used in water distribution.
- Knowledge of centralized control operating systems.
- Ability to use basic computer software programs, including the Microsoft suite, and ability to learn and use sophisticated programs, such as SCADA systems, energy management, hydraulic modeling and computerized maintenance management programs. Knowledge of ArcView and GPS computer programs is a plus.
- Ability to make independent, logical problem-solving decisions under stress.
- Ability to tactfully interact with the public.

THE CURRENT PAY RANGE (288) is: \$ 1,873 - \$ 2,276 bi-weekly.

THE SELECTION PROCESS will be job related and will consist of one or more of the following: an evaluation of training and experience; written test, oral interview or other assessment methods. The Department of Employee Relations and the City of Milwaukee Water Works reserve the right to call only the most qualified candidates to performance tests or personal interviews. Information from the selection process will be used to make hiring decisions. The selected candidate will be *transferred or promoted* to this position.

APPLICATION PROCEDURE: The employment application for this position is available from the Department of Employee Relations website: www.milwaukee.gov/jobs, in person or via mail from the City of Milwaukee Department of Employee Relations, Room 706, City Hall, 200 E Wells St, Milwaukee WI 53202-3554 or by calling 414.286.3751.

*Return or send your completed application to **Ms. Laura Daniels, Administration and Projects Manager, Milwaukee Water Works, 841 N. Broadway, Rm. 409: by January 5, 2011.***