

Water System Operator-in-Charge

THE PURPOSE: The Water System Operator-in-Charge 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.
- ◆ Performs other related duties as assigned by the Water Plants Production Manager and Water Plant Manager.

NOTE: Water System Operators-in-Charge are required to work a rotating shift and are subject to emergency call-outs at any time.

MINIMUM REQUIREMENTS:

1. Associate 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.

– OR –

Four years of experience in a water treatment plant or water distribution system performing duties related to this position.

NOTE: Equivalent combinations of education and experience may also be considered, e.g., a closely-related Bachelor of Science degree.

2. Possession of a Wisconsin DNR Water Distribution License within six months of appointment and throughout employment.
3. Possession of a valid driver's license at the time of appointment and throughout employment.
4. Residency in the City of Milwaukee within six months of appointment and throughout employment.

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER CHARACTERISTICS:

- ◆ Knowledge of biology, chemistry, and mathematics.
- ◆ Knowledge of widely-used computer software programs, including the Microsoft software 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.
- ◆ 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 make independent, logical problem-solving decisions under stress.
- ◆ Ability to tactfully interact with the public.

THE 2006 SALARY RANGE (282) IS: \$44,442 to \$50,985 annually.

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