

## **WATER CONTROL SYSTEM MANAGER**

**DISTINGUISHING FEATURES OF THE CLASS:** This is technical work in the management of a supervisory control and data acquisition system, including field devices, local control, radio telemetry, and the SCADA (supervisory control and data acquisition) system. The Control System Manager's responsibilities include all controls throughout the water supply system including the Alcove Reservoir, Feura Bush Filtration Plant, Loudonville Reservoir, Pressure Reducing Stations, Bethlehem Interconnections, Guilderland Interconnections, the Pine Bush Pumping Station and the Pine Bush Tank. Work is performed under the general supervision of the Commissioner of the Water Department with leeway allowed for independent judgment in carrying out the duties of the position. Supervision may be exercised over Feura Bush maintenance workers and Contractors.

### **TYPICAL WORK ACTIVITIES:** (Illustrative Only)

- Inspects, adjusts, repairs and replaces field devices such as flow meters, pressure transmitters, chlorine residual analyzers, and **turbidimeters**;
- Inspects, adjusts, repairs and replaces local controls such as PLCs, manual controls, indicators and alarms;
- Inspects, adjusts, repairs and replaces radio telemetry equipment;
- Inspects, adjusts, repairs and replaces SCADA system components including the hardware and software, and administers the security of the SCADA system;
- Responds to emergency situations requiring immediate corrective actions;
- Determines priority of work and involves the Control System Contractor when necessary;
- Prepares reports and keeps records on all maintenance and repair work performed;
- Maintains backup files for disaster recovery of control system programming;
- Maintains historical archive files for control system data;
- Prepares an annual report on the condition of the control system with recommendations for system improvements to be included in the capital improvement plan;
- Installs or supervises installation of new field devices, local controls, radios and SCADA system modifications;
- Performs related work as required.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

- Good knowledge of pumps, valves, flow meters, level transmitters, analytical analyzers and chemical feed equipment;
- Good knowledge of personal computers and office equipment;

- Skill in hands-on experience in troubleshooting and repair of controls systems;
- Ability to understand loop diagrams, control wiring and power wiring of instrumentation and control equipment;
- Ability to work from plans and specifications;
- Ability to follow oral and written directions;
- Mechanical aptitude;
- Dependability;
- Physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

Graduation from a regionally accredited or NYS registered college or one accredited by the NYS Board of Regents to grant degrees with an Associate's Degree in Electrical Technology, Electronics or Mechanical Technology or a related field; and five (5) years full-time paid hands-on experience with control system installations, troubleshooting and repair, two (2) years of which must include experience in the management of water or wastewater control systems.

**SPECIAL NOTE:**

A valid NYS Driver's License is required at the time of appointment and for the duration of employment.

**NOTE:**

Position may require ability to work Saturdays, Sundays, and holidays; and able to work shift assignments during the day, evening and nights.