

MAJOR FUNCTION

This is skilled work in monitoring and controlling Underground Utilities Supervisory Control And Data Acquisition (SCADA) system for four utility systems; potable water supply, wastewater collection, natural gas distribution, and stormwater treatment facilities. Operators will be required to monitor and/or control the utility systems to meet changing daily demands, while maintaining regulatory requirements using the telemetry equipment. Provides routine and emergency support by receiving emergency calls from customers and dispatching the calls to appropriate personnel. Work is performed under the general supervision of the Chief Underground Utilities System Control Specialist.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Maintains constant surveillance and controls the operation of the potable water system through a supervisory control and data acquisition system (SCADA) consisting of remote terminal units and central terminal unit utilizing a radio telemetry network. Analyzes data received and responds to event and alarm conditions as needed. Authorizes and directs removal from and return to service of all water wells and elevated tanks to meet water system load requirements. Monitors access, security and operational status of the water supply facilities, wastewater pumping stations and stormwater treatment facilities for unauthorized entrance, power outages, high water emergency conditions in wet wells and other system events and alarm conditions reported through the SCADA system. Monitors operations of the natural gas distribution system including mains, gate stations, reducing stations, and critical pressure points to include high and low pressure alarms. Receives, records, and relays information to crews and other personnel involved in the construction, operation and maintenance of the City's Underground Utilities System. Receives and relays information via Central Terminal Unit, telemetry radio link, two-way VHF radios, commercial phone lines and computer systems. Prepares daily and monthly reports on the total amount of water pumped by each well. Receives emergency calls from customers regarding water, gas and sewer utilities and determines appropriate course of action. Performs related work as required.

Other Important Duties

Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Considerable knowledge of and familiarity with all operating phases of a municipal water system, wastewater collection, treatment and disposal, and natural gas distribution system as they relate to daily problems of system dispatching. Applicant must have the ability to analyze data, make independent decisions, exercise good judgment, and maintain good public relations. Ability to operate equipment including SCADA system, radio and telephone communications system and generator. Skill in the use of microcomputers and the programs and applications necessary for successful job performance.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and five years of experience in the operations of a municipal water system, natural gas system, or wastewater system. An associate's degree or equivalent college-level course work in related field of study may substitute for one year of work experience. A bachelor's degree in engineering, engineering technology, environmental science, public health, or related field of study may substitute for two years of work experience.

Necessary Special Requirements

Must possess a valid Class E State driver's license at the time of appointment.

Must possess and maintain a Class C or higher Water Treatment Operator License, as currently outlined in Florida Administrative Code 62.602-300 "Qualifications for Operator Licensure" or must obtain a Class C Water Treatment Operator License within 2 years from the date of employment, as a condition of continued employment in the job class.

Established: 06-20-83

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