

ELECTRONIC TECHNICIAN - WATER

Water Resources Department

Salary Range: \$43,721 – 61,152
Opening Date: August 11, 2008
Closing Date: August 29, 2008

Job Posting: # 8254/0372 BLU/MR
Classified

We have a great opportunity for the successful candidate to perform industrial journey-level electrical, electronic and computer work in the installation, maintenance, and repair of the City's water and wastewater systems and equipment. We are seeking a candidate who enjoys working in a non-office environment, wants a flexible schedule, no out-of-state travel, and an exceptional benefits and retirement package.

QUALIFICATIONS

Minimum Qualifications:

- A combination of three years of training, and experience in an industrial setting as a maintenance electrician, with a firm understanding of electromechanical equipment and components.
- Completion of a recognized electronics course,
- Ability to troubleshoot and repair complex electrical/electronic equipment.
- Ability to read schematic diagrams, blueprints, and engineering specifications.
- Ability to work rotating weekend shifts, holidays and a call-out schedule.
- Ability to work in extreme weather conditions and move and lift heavy objects (50 pounds or more).
- Must possess a valid Arizona Driver's License with no major driving citations in the last 39 months.

Desirable Qualifications:

- Experience with municipal water systems.
- 4-20 mA loops and instrumentation.
- Knowledge of the maintenance and operation of PLC's and or RTU's
- Communication protocols: HART, MODBUS, TCP/IP, RS-232/485
- Ability to establish and maintain effective working relationships with co-workers, supervisors and the general public.

Special Requirement – Certification as a Water Distribution or as a Wastewater Collection within one year of hire from AZDEQ. If you have copies of these certifications, please submit with your application.

RESPONSIBILITIES

- ❖ Installs, maintains and repairs high-voltage electrical systems, well pump equipment, booster stations, sewer lift stations, motors, switch gear, and control equipment. Maintains, repairs and calibrates electrical, solid state electronic, and process control equipment using instruments such as voltmeters, ammeters, ohmmeters, oscilloscopes, spectrum analyzers, signal generators, frequency counters and data-line analyzers. Troubleshoots and repairs complex equipment failures. Installs, troubleshoots and repairs hardware for the telemetry system; performs calibrations on instrumentation equipment and metering devices and installs, maintains, trouble shoots, repairs and programs voice radio equipment in department vehicles and offices. Monitors and collects data from cathodic protection test stations throughout the City's water system to determine pipeline conditions. Monitors and maintains adequate parts inventories to allow City water pumping facilities to maintain an uninterrupted supply of water to customers. Troubleshoots and repairs process control equipment located at the City's water and wastewater treatment facilities; uses the data collected from the telemetry system to develop reports and assist other personnel to use the available data by reconfiguring the SCADA system data collection as necessary to achieve the desired results.

SELECTION PROCESS

Applicants whose education, training and experience most closely meet the needs of the position may be invited to participate in a selection process. Human Resources reserves the right to change this process.