

INSTRUMENTATION AND CONTROLS/SCADA PROGRAMMER

The Pinery Water and Wastewater District is seeking an experienced Instrumentation and Controls/SCADA Programmer to provide installation and operational support for the District's water and wastewater treatment systems. The District is a water and wastewater service provider located in eastern Douglas County dedicated to providing "Quality Water for LIFE" to nearly 15,000 customers in the Pinery community of Parker, Colorado.

DUTIES AND RESPONSIBILITIES:

- Provides professional level installation and operational support for the District's water/wastewater systems including daily administration, maintenance, calibration, troubleshooting, testing and repairing a variety of data acquisition (SCADA), radio communications as well as instrumentation and control equipment for both water and wastewater treatment systems
- Assist in the troubleshooting and repair of control system and power failures
- Recommends and plans for capital repair, replacement and expansion of District Instrumentation and Controls/SCADA systems
- Participates with engineers, operators and contractors in the design of Instrumentation and Controls systems for new and existing facilities
- Programs, maintains and documents logic programming on all PLC's, RTU's and HMI interface applications on management stations
- Performs preventative maintenance on all instruments including pressure, level and flow transmitters, water quality monitoring instruments, switches, valves and remote field devices reporting to SCADA system
- Maintains District radio/SCADA/telemetry communications systems
- Develops reports and analyzes system performance data to assess overall health of SCADA, communication, security and network systems
- Performs duties in a manner consistent with the stated values of the organization
- Fulfills "on call" requirements – 30 minute or less commute preferred
- Performs other duties as assigned, or required
- Provide excellent customer service

QUALIFICATIONS, SKILLS AND EXPERIENCE:

- A Bachelor's degree in Engineering, Computer Science, Information Technology or an instrumentation/control related field with two (2) years process control experience in water/wastewater systems with an emphasis in SCADA technology; or any equivalent combination
- Expert knowledge of Instrumentation and Controls/SCADA systems, PLC/RTU programming and field devices, Instrumentation and Controls diagrams, communication standards and networking interfaces from PLC/RTU to SCADA networks
- Comprehensive knowledge of Microsoft Windows operating systems, proficiency with Microsoft IIS & SQL Server, Iconics Genesis 32 suite and Genesis 64, RSLogix 500 and experience with IEC61131 programming
- Working knowledge of industry standard communication protocol such as BSAP, DataHighwayPlus (DH+), DeviceNet/DF1 and conceptual knowledge of Ethernet networking in a fully routed environment, VPN connectivity and basic network security
- Working knowledge of process control hardware such as GE 90-30, Versa Max+ RX3I and Allen-Bradley SLC 500 series PLC's

- Working knowledge of radio telemetry with emphasis in serial connectivity utilizing fixed frequency and spread spectrum radio technology
- Working knowledge of Variable Frequency Drives (VFD's) helpful
- Working knowledge of A/C and D/C signal circuitry with emphasis on process measurement and instrumentation
- Working knowledge of water/wastewater system operations, facilities, processes and equipment
- Must have a valid Driver's License with acceptable motor vehicle record
- Ability to regularly lift and/or move up to 50 pounds and occasionally required to work in a construction environment
- Pass random drug and alcohol testing

Compensation dependent upon qualifications; starting pay is targeted between \$26.44 and \$39.49 per hour. In addition, the Pinery Water and Wastewater District offers a comprehensive benefits package to include a generous retirement savings plan where full time employees are immediately eligible for a 6% employee contribution and, after one year of continuous service, a 6% employer match.

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential job functions.

If you are interested in joining a team that values integrity, accountability, collaboration, communication, and safety, please submit a resume and cover letter to hediag@pinerywater.com.