



Instrumentation and Controls Technician

DEPARTMENT: Maintenance

REPORTS TO: Instrumentation Foreman

SCHEDULE: Monday-Friday, 7:00am-3:30pm

Position Summary

The Instrumentation and Controls Technician is responsible to perform preventive, corrective and emergency maintenance and calibrations on SCADA (Supervisory Control and Data Acquisition) systems and related electronic equipment. Also, maintains and supports the security camera network and access control system. Additionally, this position contributes to regulatory compliance and efficient operations of the District.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this position.

- Perform routine preventive and emergency maintenance and repairs on the SCADA system, hardware, computers and peripheral devices, analyzers, radios, flow equipment, pressure equipment, level indicators, RTUs, motor controls and other electronic equipment as directed
- Perform maintenance and calibration of instruments which includes short-range data radio transmitters, electronic and/or electromechanical devices for valve actuator control, flow meters, pressure transducers, level indicators and on-line analyzers.
- Perform installation and maintenance to security network and equipment.
- Assist with the installation, programming, and performance of routine preventive, corrective and emergency maintenance on programmable logic controllers, remote terminal units, radio and telephone telemetry systems.
- Assist with routine preventive, corrective and emergency maintenance on SCADA application software, process control software, and communications software, including system databases, field device modifications, additions, programming, and troubleshooting.
- Utilize various hand and power tools. Install new equipment such as PLCs, analyzers, flow meters, pressure transmitters, level indicators and other instrumentation equipment.
- Records data in the work order and maintenance programs to ensure routine preventive, corrective and emergency maintenance is completed
- Follows procurement guidelines and procedures
- Coordinates with various departments, contractors, vendors, and agencies to ensure effective maintenance and operations
- May be on call for after-hours emergencies
- Ensures compliance of company policies, including but not limited to safety concerns and incident reporting
- This description describes only the core areas of responsibilities; specific position assignments will vary depending on the needs of the department

Required Education and Experience

- Associates Degree or Vocational Certification in electronics or instrumentation/control related field
- At least 1 year background in electronics and motor controls.
- Experience operating a SCADA system preferred

Licensing/Certifications

- Valid Driver's License
- International Society of Automation (ISA) Control Systems Technician (CST) Associate or ability to attain

Additional Skills

- Ability to troubleshoot systems and use logical thinking to solve difficult problems.
- Familiar with 4-20mA communication. Ability to troubleshoot, setup, and scale 4-20mA systems.
- Ability to maintain effective, fair, cooperative, collaborative and respectful relationships with internal and external colleagues, peers, work teams and workgroups
- Ability to climb heights of approximately 200 feet
- Ability to learn intimate details of the water system to understand how various components interact with each other
- Ability to work in Microsoft Office programs
- Ability to manage multiple tasks and prioritize appropriately
- Ability to troubleshoot and problem solve unique problems
- Ability to read schematics, wiring diagrams, blue prints

Work Environment and Physical Demands

This job requires climbing heights of approximately 200 feet. Also requires balancing, stooping, kneeling, crouching, crawling, pushing, reaching, standing, sitting, lifting, talking, hearing and repetitive motions. Heavy Work: exerting up to 50 pounds. Environmental conditions: subject to extreme heat, cold, humidity, wetness, noise, and vibration. Hazardous conditions: moving parts & equipment/tools, hazardous chemicals, high voltage electricity and working alone.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

The Northern Kentucky Water District employs qualified persons in all jobs in a manner which will ensure equal employment opportunity, as well as administer personnel actions in a manner as to not discriminate against any person on the basis of race, religion, national origin, age, sexual orientation or disability

TO APPLY:

If you have an interest in the above named position, and you meet the listed qualifications, please complete and submit an application form which is available at www.nkywater.org or in person at 2835 Crescent Springs Road, Erlanger, KY 41018. Applications may be submitted by email to hr@nkywater.org or mailing to 2835 Crescent Springs Road, Erlanger, KY 41018.

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