Job Title: SCADA/INSTRUMENTATION TECHNICIAN - 40005580

Join Durham County Government

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DEPARTMENT: County Engineering

DATE POSTED: September 03, 2026

CLOSING DATE: Until Filled

HIRING RANGE: $57,027 - $84,000

POSITION NUMBER: 40005580

JOB TYPE: Full-Time, 37.5 hrs/week,
Non-Exempt

THIS POSITION IS SUBJECT TO CLOSE AT ANYTIME. *

****THIS POSITION QUALIFIES FOR A $6,000.00 SIGN ON BONUS UPON SUCCESSFUL COMPLETION OF THE PROBATIONARY PERIOD.****

*****THIS POSITION IS SUBJECT TO WORK A ROTATING ON-CALL SCHEDULE TO MEET THE NEEDS OF THE UTILITY. *****

RESPONSIBILITIES:

The SCADA Technician position provides technical and professional electrical and mechanical work in the installation, maintenance and repair of SCADA hardware components and plant instrumentation and related electronic equipment and systems in the County-owned Triangle Wastewater Treatment Plant (TWWTP), associated wastewater collection system, reuse water system and Rougemont well system.
Works independently, under limited supervision of the Utility Supervisor, reporting major activities through periodic meetings.

The TWWTP is rated for an average daily flow of 12 million gallons per day and is specifically designed to meet future nutrient load requirements for the Jordan Lake nutrient management strategy. The TWWTP serves the southeast portion of Durham County inside and outside the Durham City limits and serves the Research Triangle Park within Durham County. The collection and treatment of domestic sewage and wastewater is vital to public health and clean water. It is among the most important factors responsible for the general level of good health enjoyed in the United States.

For more information about the Utilities Division at Durham County please visit: Durham County Utilities Jobs (dconc.gov)

ESSENTIAL FUNCTIONS:

- Troubleshoots and repairs SCADA and programmable logic controller (PLC) equipment control systems and motor control circuits.
- Troubleshoots, repairs and replaces electrical motors, hydraulic and pneumatic equipment, gearboxes, pumps and other plant related equipment.
- Enters preventive, corrective and predictive maintenance information into the computerized and maintenance management software.
- Leads, trains and assists other plant staff in proper electrical safety procedures.
- Maintains and repairs 480-volt electrical distribution systems and chemical feed systems.
- Monitors the SCADA server.
- Checks and calibrates electronic equipment.
- Installs electrical raceway and wiring as needed.
- Serves as Back-up Collection System Operator in Responsible Charge as needed.
- Assist with performing the duties associated with the Senior Plant Maintenance Technician as required.
- Completes special projects as assigned.
- Performs related tasks as required.

MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:

- High School Graduation or GED equivalent.
- Three (3) year apprenticeship for instrumentation and four (4) years of experience or related experience or an equivalent combination of education, training, and experience.

SPECIAL CERTIFICATIONS AND LICENSES:

- Must obtain NC Biological Wastewater Grade I Operator and Collections Grade I Operator certifications within one year of employment.
- Must possess and maintain a valid State of North Carolina driver’s license with an acceptable driving history.

PHYSICAL DEMANDS:

Physical demands refer to the requirements for physical exertion and coordination of limb and body movement.

- Performs heavy work that involves constantly lifting, shoveling, and carrying 35 to 50 pounds on a regular and recurring basis and exerting 100 pounds of force on a frequent basis.

UNAVOIDABLE WORK HAZARDS:

Unavoidable hazards refer to the job conditions that may lead to injury or health hazards even though precautions have been taken.

- Involves routine and frequent exposure to:
- Bright/dim light; Dusts and pollen.
- Extreme heat and/or cold; Wet or humid conditions.
- Extreme noise levels, Animals/wildlife.
- Vibration; Fumes and/or noxious odors.
- Traffic; Moving machinery.
- Electrical shock; Heights.
- Radiation; Disease/pathogens.
- Toxic/caustic chemicals

ESSENTIAL SAFETY FUNCTIONS:

It is the responsibility of each employee to comply with established policies, procedures and safe work practices. Each employee must follow safety training and instructions provided by their supervisor. Each employee must also properly wear and maintain all personal protective equipment required for their job. Finally, each employee must immediately report any unsafe work practices or unsafe conditions as well as any on-the-job injury or illnesses.

Every manager/supervisor is responsible for enforcing all safety rules and regulations. In addition, they are responsible for ensuring that a safe work environment is maintained, safe work practices are followed and employees are properly trained.

STANDARD CLAUSES:

May be required to work nights, weekends, holidays and emergencies (man-made or natural) to meet the business needs of Durham County.
This job description is not designed to cover or contain a comprehensive listing of essential functions and responsibilities that are required of an employee for this job. Other duties, responsibilities, and activities may change or be assigned at any time with or without notice.

AMERICANS WITH DISABILITIES ACT COMPLIANCE:

Durham County is an Equal Opportunity Employer. ADA requires Durham County to provide reasonable accommodations to qualified persons with disabilities. Prospective and current employees are encouraged to discuss ADA accommodations with management.

BACKGROUND CHECK STATEMENT:

This position may be subject to a background check, which could include, but is not limited to, criminal history (employment-related and/or SBI fingerprint-based), credit history, motor vehicle records, educational verification, and checks of the sexual offender registry, depending on the specific requirements of the role. A conviction record does not automatically disqualify an applicant from employment consideration, unless otherwise required by applicable state law.