GENERAL SUMMARY
This position is responsible for overseeing multiple Operational Technology (OT) and Electrical systems, Supervisory Control and Data Acquisition (SCADA) Networks, Human Machine Interface (HMI) programs, and Programable Logic Controllers (PLCs) within the wastewater treatment plants and collection system.

SERIES CONCEPT
This is a one incumbent classification that is responsible for the development and implementation of Supervisory Control and Data Acquisition (SCADA) that is focused on operational technology throughout the Sewer Division.

ESSENTIAL DUTIES & PRIMARY RESPONSIBILITIES
Essential functions are the basic job duties that an employee must be able to perform, with or without reasonable accommodation. This list of essential functions is intended to be representative of the duties performed within this classification. The omission of a function does not preclude management from assigning essential duties not listed if such duties relate to the position.

- Supervise the repair and maintenance of complex industrial computerized control systems, associated SCADA networks, SCADA servers, HVAC operating systems, complex automated electrical power distribution systems and related equipment in the Wastewater Treatment plants.
- Program, test updates and maintain change control documentation for Operational Technology (OT) control software.
- Track and maintain documentation, service and license contracts, and warranty information for software and hardware.
- Directly supervise assigned staff, which includes hiring, training, evaluating, and disciplining.
- Review design drawings, submittals and assist in ensuring compliance with codes and department standards for uniformity that ensures cyber security and enterprise architecture compliance.
- Obtain quotes in accordance with the County’s purchasing processes and procedures.
- Maintain adequate (craft specific) inventory of necessary spare parts, shop, and vehicle supplies.
- Research new operational technology methods, techniques, equipment and make recommendations.
- Maintain accurate plans and specifications for equipment, devices, and P&ID drawings.
- Maintain a working relationship with the Information Technology division of the Finance department (IT), leveraging IT services as required.
- Ensure that work is always performed safely by complying with safety and health policies, procedures, and practices. Attend all mandatory safety training courses and events.
- Compile and analyze data, prepare reports, and document work accomplished.
• Establish and maintain effective working relationships with County officials, employees, and the public.
• Maintain regular, predictable, and punctual attendance during regularly scheduled work hours at assigned worksite.

Other Job Functions
• Perform other job functions as assigned.

MINIMUM QUALIFICATIONS

Education and Experience
Graduation from a two (2) year vocational/technical school engineering, electronics or operational technology and six years of experience which include at least two (2) years lead or supervisory experience in operational technology and or electrical systems in the wastewater/water or similar industry. Additional education and experience that clearly indicates the ability to perform the essential functions of the classification may substitute on a year for year basis.

Licenses or Certifications
A valid Driver’s license.

OTHER JOB REQUIREMENTS
Must meet travel requirements and authorize and complete a background check prior to employment. Work a flexible schedule, which may include evenings, weekends, and holidays. Respond to call-out or emergencies as required.

PREFERRED QUALIFICATIONS
Bachelor’s degree in Computer Science, Information Technologies, or Engineering. Certification as a journey-level Industrial Electrician or Instrumentation Technician with training in GE SCADA software, process control automation, industrial ethernet and network management.

SUPERVISION
Work is performed with considerable latitude for independent judgment. Has full supervisory responsibility.

COMPETENCIES
Knowledge of:
• Supervisory principles and practices.
• Electrical and instrumentation programming software and languages
• Familiarity of water hydraulics, pneumatic, electrical, and mechanical equipment, and systems and skilled in the use of precision measurement devices.
• Practices, methods, techniques, tools, and equipment used in the design, installation, testing, calibration, maintenance and repair of industrial electrical and mechanical instrumentation and control equipment and devices common to water and wastewater industry.
• Operational technology’s in PLC ladder logic, PLC and SCADA system architecture and design methodologies.
• National Electric Code, OSHA safe practices, and ISA standards.

Skill in:
• Team building, leadership, and motivation.
• Problem resolution.
• Goal and objective setting.
• The proficient use of systems software, spreadsheet software and computers.

Ability to:
• Direct the testing, troubleshooting, calibration, and repair of a wide variety of devices and equipment.
• Read and interpret blueprints, schematics, Piping and Instrumentation Diagram drawings, manuals, and software.
• Supervise, evaluate, and identify employee training needs and coach to improve professionally.
• Plan and establish goals and objectives.
• Establish and maintain positive, cooperative working relationships with internal and external customers, employees, contractors, and vendors.
• Make mathematical calculations involving fractions, decimals, and percentages with speed and accuracy.
• Analyze and interpret data, and prepare comprehensive reports, procedures, and other documentation.
• Understand and follow written and verbal instructions.
• Effectively coordinate, perform, and complete multiple duties and assignments concurrently and in a timely manner.
WORKING ENVIRONMENT/CONDITIONS
The work environment and exposures described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

<table>
<thead>
<tr>
<th>Exposures</th>
<th>Frequency Working in Designated Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individuals who are hostile or irate</td>
<td>Seldom or Never</td>
</tr>
<tr>
<td>Extreme cold (below 32 degrees)</td>
<td>Sometimes</td>
</tr>
<tr>
<td>Extreme heat (above 100 degrees)</td>
<td>Seldom or Never</td>
</tr>
<tr>
<td>Communicable diseases</td>
<td>Seldom or Never</td>
</tr>
<tr>
<td>Moving mechanical parts</td>
<td>Sometimes</td>
</tr>
<tr>
<td>Fumes or airborne/blood borne</td>
<td>Sometimes</td>
</tr>
<tr>
<td>Toxic or caustic chemicals or substances</td>
<td>Seldom or Never</td>
</tr>
<tr>
<td>Loud noises (85+ decibels such as heavy trucks, construction)</td>
<td>Seldom or Never</td>
</tr>
</tbody>
</table>

PHYSICAL DEMANDS
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical activities required are finger dexterity necessary to operate equipment used in the position, talking, seeing, and hearing. There is some walking, sitting, bending/stooping, pushing/pulling and minimal lifting associated with the classification as it is currently performed. Ability to travel to attend meetings away from the regular work site is required.