Job Description

General Statement

This position assists in and coordinates the maintenance of all instrumentation control, electrical and electronic equipment for Northern Water facilities throughout Northern Colorado. Electronics technicians design, develop, test, install, and repair equipment that may include communication systems, electrical switchboards, various instrumentation, and PLC system.

Duties and Responsibilities

- Develops, maintains, schedules, and assists in the department’s preventative maintenance schedules. When applicable, troubleshoots equipment problems to an electronic board level.
- Installs equipment, machines, wiring and/or programs to meet specifications.
- Assists service personnel and consultants in system repairs and changes.
- Drives to various locations to install and test electronic equipment and systems such as radio towers, fiber optic, SONET, spread spectrum radio, mobile radio, security systems (both card access and video monitoring systems), and a variety of SCADA systems.
- Orders electronic equipment and supplies.
- Develops and maintains current standard operational procedural manuals and instructions covering all electronic maintenance operations on both the user and technical levels.
- Assists in the development of the department’s role in an office-wide disaster plan.
- Participates in system-wide modernization.
- Works on PLC hardware and program software for the water delivery, hydroelectric plants and pump plants SCADA systems.
- Maintains satisfactory relationships with coworkers, water users, and the public.

Submit resume and cover letter by – February 28, 2020
Northern Water
220 Water Avenue
Berthoud, CO 80513 careers@northernwater.org Preferred

Posted: February 13, 2020
By: LB
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By:
• Consults manuals, schematics, wiring diagrams, and engineering personnel to troubleshoot and solve equipment problems and determine optimum equipment functioning.
• Performs other related duties as assigned.

Experience and Education Requirements

Experience Required

• Five years’ experience in computer operations and electronic maintenance.
• Five years’ experience with AB SLC 5/05, AB CompactLogix, AB ControLogix, Rockwell RSLogix 5, RSLogix 500 and RSLogix 5000, GE Fanuc iFix.
• Experience with Autocad Electrical a plus.

Education Required

• Minimum of a 12th grade education or equivalent.
• Electronic Technician Certificate OR an equivalent combination of experience and education.

Knowledge, Skills, and Abilities

Knowledge

• Various electronic equipment and electronic theory.
• Calibrating and interpreting analog and/or digital data and current loop devices.
• Shop practices and construction techniques.
• Relevant equipment, policies, procedures, and strategies to promote effective local, state, or national security operations for the protection of people, data, property and institutions.
• Circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.
• Transmissions, broadcasting, switching, control, and operation of telecommunications systems.

Skills

• Design, use, repair and maintenance of machines and tools.
• Technical writing skills.
• Repairing machines or systems using the needed tools.
• Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
• Reads and interprets drawings, diagrams and schematics. Proficiently uses tools and equipment of the trades.
Abilities

- To listen to and understand information and ideas presented through spoken words and sentences.
- To communicate information and ideas others will understand.
- To read and understand information and ideas presented in writing.
- To concentrate on a task over a period of time without being distracted.
- Understand the implications of new information for both current and future problem-solving and decision-making.
- Troubleshoot electronic and SCADA related issues.
- Determine the kind of tools and equipment needed to do a job.
- Perceive and analyze problems, develop alternatives, and make recommendations.
- Work safely in, on and around waterways.

Physical Requirements

- Walk on catwalks and the equivalent of 12 flights of stairs multiple times per shift.
- Lift and carry loads up to 75 pounds.
- Able to endure extended periods of driving, sitting kneeling, sitting, standing, walking, stooping, bending, and lifting.
- Enter confined spaces with proper training.
- Work in noisy or dusty environments, contains spiders, snakes, rodents and other disagreeable elements, with proper Personal Protection Equipment.
- Work outside in all conditions using appropriate weather gear.
- Work around moving machinery, electrical voltages, heights, swift moving and cold water, high levels of noise, and construction sites.
- Climb ladders while carrying tools and equipment.
- Access working areas with potentially unstable footing, including dams, spillways, pump plants, pipeline rights-of-way, canals, and canal structures. Work in, on, or around water in a safe manner.
- Work at heights up to 50 feet with appropriate safety devices.
- Required to use safety/protective devices provided by Northern Water in the performance of all duties. Examples of devices/equipment to be worn are hard hats, safety glasses, safety belts, steel-toed boots, hearing protection, and air monitors for confined space entry.
- Must be able to meet the physical requirements of a post job offer physical examination.

Reasonable accommodations will be made to enable qualified individuals with disabilities to perform the essential functions.

License, Certificate, or Credential Requirements

- Valid driver’s license.
- Electronic Technician Certificate

Other Requirements
• Maintains a personal appearance appropriate for job position and image of Northern Water.
• Work a variable work schedule, including early morning and late-night hours and possible weekend duty. Overtime may be required with little or no advance notice.

This job description in no way states or implies that these are the only duties to be performed by this employee.

Northern Water is an equal employment opportunity employer.