



JOB OPPORTUNITIES

JOB TITLE: Instrument Technician-Relief Operator

JOB ID: 24000215

SALARY: \$42.39

DEPARTMENT: Water Treatment Operations

SUPERVISOR: Supervisor – Automation Control Engineer

WORK SCHEDULE: Monday – Friday, 7:30 a.m. – 4:00 p.m.

WORK LOCATION: Fulbright Water Treatment Plant – Springfield, MO

PURPOSE OF POSITION:

Under the direction of a Supervisor – Automation Control Engineer, performs both water treatment plant instrumentation maintenance and relief operations as required.

ESSENTIAL JOB FUNCTIONS:

1. Inspects, calibrates, repairs, installs, and performs corrective and preventative maintenance on instrumentation and control systems at all water treatment and distribution sites.
2. Maintains detailed records of instrument installations, calibrations, as-builts, and other pertinent data regarding control systems.
3. Interprets, marks up, and develops electrical schematics.
4. Trains other personnel regarding instrumentation activities.
5. Coordinates with Operations and all necessary personnel so that work is performed in a safe manner, maintaining regulatory compliance, and meeting customer demands.
6. Acquires training and certification as deemed necessary by management.
7. Acts as a HazMat Specialist and HazMat team member.
8. Controls the water treatment processes at the Fulbright and Blackman plants to comply with all finished water regulations and to meet system needs. Adjusts chemical feed rates, regulates

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source utilization and controls in-plant processes through computer interfaces, control panels, and manual operations.

9. Controls surface and ground raw water pump stations operation through computer interfaces as needed to meet plant demands and comply with water quality standards.
10. Controls distribution system operation through computer interfaces and control panels. Adjusts plant outputs, booster pumps, and distribution wells to provide appropriate water quality and quantity.
11. Operates standby diesel-powered equipment during emergency conditions.
12. Records various readings and performs lab tests as assigned.
13. May make minor repairs to machinery and equipment. Maintain control room in an orderly condition.
14. Complies with all company policies, procedures, safety rules, and governmental regulations.
15. Performs other related duties as required or assigned by management.

QUALIFICATIONS:

Education and Experience:

Must meet one of the following requirements:

1. High School Diploma or equivalent. Three years of recent electrical or, electronic, instrumentation, and control experience in a water plant is required.
2. High School Diploma or equivalent. 12 college credits in Electronics, Industrial Technology, or in related field is required. 2 years of recent electrical, or electronic, instrumentation, and control experience in an industrial environment or water plant is required.
3. High School Diploma or equivalent. Associates degree Electronics, Industrial Technology, or in related field is required. 1 year of recent electrical, or electronic, instrumentation, and control experience in an industrial environment or water plant is required.

Military mechanical training in related field can be used in lieu of educational requirements on a year for year basis.

Licensing/Certification:

- Must have a minimum of a Missouri Department of Natural Resources Public Drinking Water Treatment Operator Certificate Level D and a Distribution System Operator Certification Level DS-I or ability to obtain within six months of employment.
- Must have a minimum of a Certificate Level C within 2.5 years of employment.

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- Must have a valid driver's license (minimum Class F).

Knowledge, Skills, and Abilities:

- Demonstrate skills in the maintenance of electrical equipment, instrumentation, and process control systems.
- Proficiency in electronics, electrical circuitry and test instruments, hydraulic-pneumatic equipment, equipment repair/tear down/troubleshooting, and safe start-up and shut-down of equipment.
- Basic skills in carpentry, plumbing, electrical construction, and use of shop and hand tools.
- Ability to:
 - Safely treat and distribute water utilizing remote computer interfaces.
 - Work at heights.
 - Safely operate motor vehicles, tractors, and other equipment.
 - Interpret manuals, blueprints, and schematics.
 - Provide excellent customer service.
 - Multitask, prioritize, and make quick and accurate decisions.
 - Logically evaluate process changes and historical data to analyze cause and effect.
 - Effectively work with employees, vendors, customers, and contractors.
 - Successfully navigate various electronic programs including but not limited to Microsoft Office Suites, other applicable information technology applications, and self-service platforms.
- Be highly dependable, have a safe work record, and have demonstrated good attendance.
- Willing to work overtime and under the pressure of deadlines and outages.
- Effective oral and written communication skills.
- Must be highly responsible and understand the magnitude and complexity of systems, safety of personnel, and effect to customers.
- Maintain adherence to all company policies.

Physical Requirements:

Must be able to visually differentiate between color-coded electrical and electronic equipment associated with this job. Physical requirements include: sitting, standing, grasping, bending, squatting, reaching, balancing, twisting, kneeling, pushing, and pulling. Must be able to lift 55 lbs. of weight and work at heights. Must be able to meet the requirements to fulfill the role of HazMat Specialist. Must be able to meet respirator fitness testing and Hazardous Material physical requirements. Must be able to work within the rated capacity of the Utility's aerial lifts, ladders, fall restraint devices, and/or other job-related equipment.

Working Conditions:

As an Operator, work is typically in a temperature-controlled room, but occasionally requires going outside to inspect the plant, filters, and basins. Within the plant there will be exposure to considerable noise, heat, cold, rotating equipment, as well as dangerous chemicals. Various shifts include days, nights, weekends, and holidays.

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As an Instrument Technician, work will be inside and outside of industrial facilities, in all kinds of weather, at heights, and in confined spaces with exposure to low and high voltages, heat, noise, and dangerous chemicals.

Safety Sensitive Position:

A safety-sensitive position involves the performance of duties which may have a direct and immediate impact on the safety of the public and other public employees. This is a safety sensitive position.

Miscellaneous Requirements:

- Required to wear uniform clothing provided by City Utilities. Management retains the right to require replacement due to wear or staining.
- Required to attend training courses when deemed necessary and worthwhile by management, including control of chemical spills and leaks, water treatment certification, and electricity.
- Employee must remain alert and aware of their surroundings at all times and maintain the ability to respond to changing circumstances in a timely manner.
- Must be able to work successfully with diverse groups of people.
- May be required to pass skills proficiency testing.
- Overtime may be required.

TESTING:

Testing may be required.