



# Control Systems Technician

## Silicon Valley Clean Water

\$8,136.27 - \$10,911.33 monthly (\$46.94 - \$62.95/hour) depending on qualifications & experience.

2% certification incentive pay available; benefited position.

Represented by International Union of Operating Engineers, Stationary, Local 39.

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### SUMMARY

Under general supervision, performs a variety of skilled electrical, electronic, pneumatic and mechanical instrumentation and controls; installation, fabrication, troubleshooting and repair of computerized automation control work at modern wastewater treatment facilities and remote pumping stations, and assists in the development of maintenance programs for the preventive maintenance and improvements of all Instrumentation and control systems.

**This is a hands-on, field-based position.** Fieldwork is essential and will be the primary focus, with the technician expected to perform troubleshooting and maintenance directly on process equipment, panels, instruments, and network components throughout the plant and off-site facilities. The role requires in-depth work with SCADA systems, PLCs, PanelView HMIs, and network communications to support safe, efficient, and compliant plant operations.

Every employee appointed to a position at SVCW shall serve at the will and pleasure of the appointing authority, SVCW.

### THE IDEAL CANDIDATE

- From work orders, drawings, specifications, and verbal instruction, perform a variety of complex tasks, including troubleshooting, diagnosis of control logic system issues, and providing solutions or corrective action to resolve the issue.
- Maintain, troubleshoot, and repair PLCs (e.g., Allen-Bradley, Siemens), PanelView HMIs, SCADA components, and related automation/control equipment. Perform field-based diagnostics on control panels, instrumentation, and automated systems.
- Configure and program PLCs and HMIs, including ladder logic changes and SCADA interface updates to support process improvements. Validate telemetry I/O points, check control loops, and ensure proper automation functionality.
- Contribute as an SVCW team member in all tasks related to preventive maintenance, repairs, corrective maintenance, and the installation of process systems, structures, and equipment.
- Integrate new applications, support system upgrades, modify computer programs, and equipment to optimize plant operations.
- Provide technical support, inspection, and coordination over control system modifications made by contractors or in-house staff. Maintain documentation and plans of modifications.
- Work with the operations/engineering staff, assisting in process changes that require SCADA or ladder logic changes in the PLCs.
- Assist in the planning, coordination, and scheduling of work.
- Assist instrumentation technicians, mechanics, and electrical staff in performing their work tasks.
- Maintain various wastewater plant systems and equipment, such as pump systems, support SCADA systems, PLC's, network communications, and data recording systems.
- Use electronic monitoring and diagnostic equipment as well as other hand and power tools.
- Prepare written estimates of labor, materials, and supplies required for the performance of specific assignments.
- Assure compliance with safety regulations and respond to emergencies.
- Keep records for work and safety-related data; prepare verbal and written reports.

- Perform component-level repairs on PLC, PLC power supply, networking cables (CAT5/6), fiber-optic, and communication to and from SCADA systems.
- Perform a variety of other duties as assigned.

### **Interpersonal Effectiveness**

Effectively work in a collaborative organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers; demonstration of strong two-way communication skills, including the ability to listen, explain and facilitate; ability to ask for input; offer help without being asked; accept suggestions; work with others to solve problems; and provide recognition and encouragement; ability to address co-workers needs; identifying issues and concerns, exploring solutions and implementing improvements.

### **MINIMUM QUALIFICATIONS**

- High School Diploma or an equivalent certificate or diploma recognized by the State of California. Associate of Arts or Associate of Science degree with major work in instrumentation, computers and electronics.
- Minimum of two (2) years of experience in control logic, instrumentation maintenance work involving electrical, instrumentation, and mechanical repair and installation. Repair experience with industrial process-type equipment and electrical repairs.
- Ability to obtain a California Water Environment Association (CWEA) Grade 1 Electrical/Instrumentation Technologist Certification within eighteen (18) months from date of hire.
- Must possess an ISA Certification as a Controls System Technician Level I or have experience and/or education equivalent to a journey level electrician/controls Technician, acceptable to SVCW.
- Valid California Class C Driver's License and an acceptable driving record as defined by SVCW's Driving Eligibility Standards.
- Obtain certification in CPR and basic first aid

### **PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS**

When performing the duties of this job, the employee is regularly required to walk, stand, bend, stoop, kneel, and climb. The employee frequently is required to use hands and fingers to handle or feel; reach with hands and arms; and talk and hear. The employee must regularly lift and/or move up to 25 pounds and occasionally lift and/or move up to 50 pounds.

While performing the duties of this job, the employee regularly works in indoor and outdoor conditions. The employee works at heights, uses power tools, and works with and around machinery having moving parts. The employee is exposed to outside weather conditions, to gases, fumes and odors, and to untreated and partially treated wastewater. The employee operates light utility vehicles, including a variety of powered vehicles, forklifts and special purpose equipment. The noise level in the work environment may be moderate to loud. May be assigned, or called in, to work in the evenings, nights, and days and/or on weekends, including holidays. Safety is a priority when performing all SVCW work tasks.

### **PRE-EMPLOYMENT PROCEDURES**

The selection process may consist of an evaluation of the applicant's qualifications, appraisal board interview, written examination, practical exercise and/or internal Department interviews and reference check. Upon completion of the selection process, an offer of employment may be conditionally based upon the successful completion of an employment and education verification, criminal background check, and a pre-employment medical exam and drug screen.

You will be contacted regarding all phases of this recruitment via email, so please check your inbox for correspondence regarding next steps and results through the exam process. Please ensure that the email address on your application is correct and current before submitting your application.

### **HOW TO APPLY -**

- Application and Detailed Job Description can be found on the employment page at [www.svcw.org](http://www.svcw.org)
  - Complete an SVCW online employment application.

***A resume and cover letter will not be accepted in lieu of the Authority's application form.***

**Filing Deadline** - Open until filled. We encourage qualified applicants to apply now.

**Application Screening and Panel Interview** - The most qualified applicants for the position will be invited to participate in the interview process.