

Chippewa Valley Ethanol Company
Job Description

Job Title: Controls Engineer Trainee
Department: Maintenance
Reports To: Maintenance Manager

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Responsible for learning, maintaining, programming, and installing Distributed Control System (DCS) hardware and logic. Also creates, modifies, and maintains DCS graphical (HMI) interface. CVEC will provide DCS factory training.
- Performs Programmable Logic Controller (PLC) installations and programming. Modifies existing PLC logic to facilitate new equipment and instrumentation installation
- Maintains, installs, and modifies Control System Network physical layer. Control System Network is physically separate from Office LAN. Includes fiber optic and copper cabling along with switches and media convertors.
- Works with Operations group to provide PID loop tuning and optimization.
- Assists I&E technicians in the installation, repair and replacement of instruments as directed, including impulse tubing, piping and wiring.
- Performs various and sundry special projects as directed by maintenance manager.
- Responsible to assist operations in troubleshooting and manpower when needed.
- Responsible for documentation of instrument/control system Preventive Maintenance and repairs by completing Computerized Maintenance Management Software (CMMS) work orders.
- Promotes and supports a clean and safe workplace.
- Consistently is at work and on time.
- Observes safety and security procedures, reports potentially unsafe conditions, and uses equipment and materials properly.
- Acts professionally and treats others with respect and consideration.
- Respond to after-hours calls in a rotating on-call rotation with the Instrumentation & Electrical technicians

QUALIFICATIONS To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

Industrial Automation training in PLC programming, including graphical user interface (HMI) configuration.

Working knowledge of process instrumentation and controls. including installation, maintenance and calibration.

Ability to read and interpret equipment wiring diagrams and Piping and Instrument Diagrams.

Computer skills needed to create and edit MS Word, Excel, and PowerPoint files

Vocational school graduate or equivalent on-the-job experience.

Experience with Computerized Maintenance Management System (CMMS) software desired..

Military Veterans with Electrical or Electronic MOS are strongly encouraged to apply.

LANGUAGE AND COMMUNICATION SKILLS

Ability to read and interpret documents such as safety rules, Installation, Operation and Maintenance Manuals, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before customers or employees of organization.

MATHEMATICAL SKILLS

Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, and percent.

REASONING ABILITY

Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form. Ability to deal with problems involving several concrete variables in standardized situations.

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. The physical demands are as follows, climb several flights of stairs, climb ladders, lift 50 lbs, work in variable weather conditions, work on high platforms and work in confined spaces.

WORK ENVIRONMENT The work environment characteristics 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. Work in 100° F to -20° F temperatures, work on up to 80' high platforms and work in confined spaces. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Compensation: Starting at \$27.00 per hour, DOE
Advancement opportunities