

PLANT INSTRUMENT MECHANIC II

PURPOSE AND NATURE OF WORK

This is advanced technical electronic, electrical, and mechanical work involved in testing, adjusting, repairing, and performing preventative maintenance on control system instruments and devices. Employees are responsible for formulating plans, participating in, and keeping records of regularly scheduled maintenance programs. Incumbents work around potentially hazardous equipment and may be subject to 24-hour call in emergency situations. General direction may be given to Plant Instrument Mechanic I's. Incumbents work with relative independence under the direction of a superior.

The work of this class differs from that of Plant Instrument Mechanic I by the advanced knowledge, skill, and ability necessary to perform the work required; it may also differ by the responsibility for supervision of subordinates.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Troubleshoots, inspects, maintains, adjusts, and makes repairs to control systems governing the production and distribution of water, wastewater, electricity, etc. Troubleshoots, repairs, and maintains computerized automatic alarm systems. Draws and interprets electrical, electronic, and mechanical schematics and blueprints; installs and/or supervises the installation of designs, etc. Tests instruments and control panel wiring that has been installed, repaired, or replaced to ensure conformance to standard specifications. Instructs subordinates in new work assignments or procedures.

Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Considerable knowledge of the electrical, electronic, and mechanical principles governing the functioning of control systems and instruments in accordance with prescribed standards.

Considerable knowledge of the interrelation of the various components which make up the control system in the area of work assignment.

Knowledge of the occupational hazards and safety precautions of the trade.

Ability to understand and interpret schematics, diagrams, and blueprints used in testing and maintaining control systems and instruments in accordance with prescribed standards.

Ability to formulate and carry out scheduled programs of inspection and maintenance and to keep systematic records of work performed on control systems and instruments.

Ability to establish and maintain effective relationships with superiors and other employees.

Skill in the use of tools and precision instruments necessary to perform assigned tasks.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from high school, supplemented by technical training in the field of electrical, electronic, and mechanical control instruments and systems, and considerable experience working as an instrument mechanic; or any equivalent combination of training and experience.