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04/04

Revised

CITY OF RIVERSIDE
HUMAN RESOURCES DEPARTMENT
CLASSIFICATION SPECIFICATION

TITLE: PLANT AND EQUIPMENT ELECTRICIAN

DEFINITION

Under general supervision, to perform skilled electrical and electro-mechanical work in the inspection, repair maintenance, testing and installation of operating and control systems, equipment and fixtures; and to do related work as required.

REPORTS TO: Wastewater Electrical Supervisor

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Wastewater Electrical Supervisor.

EXAMPLES OF DUTIES

Typical duties may include, but are not limited to, the following:

- Install conduit, wire, relays, pull boxes, switchboards and switches in making additions, extensions or alterations in electrical systems.
- Maintain, repair and replace electrical and electronic equipment, including motor, and pumps, generators, controllers, switchboards, switches and electronic boards, circuitry and components.
- Troubleshoot, test, locate and repair defects in electrical and electronic circuits and equipment to 4160 volts.
- Assist in installation and modification of in-plant telephone system and the maintenance of electrical metering and telemetering equipment.
- Operate a variety of electrical diagnostic and test equipment.
- Assist in general plant and facility maintenance activities.

QUALIFICATIONS

Knowledge of:

- Practices, procedures, tools and equipment used in the installation, maintenance and repair of industrial/plant electrical systems, motors, controllers and related equipment and components.
- Occupational hazards and safety precautions necessary in working with voltages from 110 to 4160.
- Theory of automated control and safety systems.
- Applicable electrical codes.

Ability to:

- Troubleshoot, locate, adjust and repair defects in electrical systems and equipment.
- Read and interpret blueprints, sketches, wiring, diagrams and schematics.
- Understand and carry out oral and written instructions.
- Use and care for tools and equipment of the electrical trade.
- Work overtime as required.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to completion of twelfth grade.

Experience: Three years journey level experience as an industrial/plant maintenance electrician.

MEDICAL CATEGORY: Group 2

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Plant and Equipment Electrician

TO: Instrument Technician