

CITY OF DALY CITY
JOB SPECIFICATION

APPROVED BY
PERSONNEL BOARD: 02/08/2007
CITY COUNCIL: 02/26/2007
RES. NO.: 07-35

PLANT & EQUIPMENT MAINTENANCE ELECTRICIAN

DEFINITION

Under supervision, performs electrical, preventive and corrective maintenance, modifications of existing equipment and the installation of new electrical equipment used within the wastewater treatment plant, the wastewater lift stations and the potable water pump stations and equipment; on 24-hour emergency call for electrical repairs; and performs other duties as assigned.

EXAMPLES OF DUTIES

Installs, repairs, maintains or replaces electrical equipment including but not limited to, motor control centers, generators, switchgear panels, variable frequency drives, pump controllers, large distribution breakers, motors of various sizes and voltages, ground fault systems, magnetic and solid state starters, building lighting and power, HVAC equipment, reduced voltage transformers, SCADA control systems, fused disconnects, and various size and types of lighting. Shall review plans and specifications, may inspect electrical components to be installed during new construction, equipment replacement or modification. Shall maintain equipment records on the computerized maintenance system and update drawings as required.

MINIMUM QUALIFICATIONS

Knowledge of: Electrical tools including but not limited to, basic hand and power tools, electric cable puller (mule), conduit benders (both hand and hydraulic), MEGGER, phase rotation meter, VOM meter, hydraulic knock-out tool, hand and power threading equipment, accepted safety practices and standards related to both personnel practices and proper handling and installation of equipment and systems. National Electrical Code; installation, operation and maintenance of motor control centers, power generation equipment, pumping control equipment with all types of motors.

Ability to: Read and interpret electrical diagrams, plans and electrical codes. Instruct others in preventive maintenance and corrective maintenance of electrical equipment and of safe work practices. Work independently and with non-skilled electrical personnel. Interact positively and cooperate with co-workers, respond politely to customers, work as a team member, function under demanding time pressure, respond in a positive manner to supervision, and attend work and perform duties on a regular and consistent basis.

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Physical Requirements: Moderate and sometimes strenuous exertion required including crawling, stair climbing, lifting, carrying and/or handling up to 50 pounds for 30 minutes. Work in confined areas and wear protective garments. May work in conditions which require exposure to noise, noxious odors, gases and contact with wastewater.

Experience: Four years of journey-level electrical trade experience involving work performed in conformance with standard codes and both single and three phase equipment. Experience with water or wastewater utility systems desirable.

Education: Graduation from high school, or equivalent. Continuing education in related subjects is desirable.

License: Possession of a valid Class C California Driver's License.

R: 02/07