PLANT MECHANIC
Bargaining Unit Position

Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.

DESCRIPTION:
Under general direction of the Maintenance Manager, installs, dismantles, repairs, reassembles and maintains a wide variety of mechanical, hydraulic, pneumatic equipment, vehicles and performs construction associated with the operation and maintenance, and repair of water supply, flood control, hydroelectric and recreational facilities and their various related components of the Yuba Water Agency’s facilities.

DISTINGUISHING CHARACTERISTICS:
The Plant Mechanic is a journey-level technical classification. Employees at this level receive only occasional instruction or assistance as new, unusual or unique situations arise and are fully aware of the operating procedures and policies within the work unit. The Plant Mechanic must perform his/her duties in a manner that reflects positively on the Yuba Water Agency, supports strong safety culture, and meets the missions of the agency of flood control, water supply, fishery enhancement, recreation and hydroelectric generation. The Plant Mechanic is required to serve as Working Foreman in his/her absence.

EXAMPLES OF ESSENTIAL DUTIES:
This class description lists the major duties and requirements of the job and is not all-inclusive. Not all duties are necessarily performed by each incumbent. Incumbents may be expected to perform job-related duties other than those contained in this document and may be required to have specific job-related knowledge and skills to perform other duties as assigned.

- Installs, inspects, repairs and maintains turbines, governors, generators, pumps, penstocks, gates, valves and related auxiliary equipment.
- Logs maintenance and repairs performed using computer-based applications.
- Aligns motors, pumps, shafts and couplings.
- Scrapes and hand fits bearings used on hydroelectric generators and pumps.
- Drives a truck and trailer combination, used to haul heavy loads.
- Reads and understands manuals, drawings, plans and specifications.
- Ability to estimate time and materials needed to perform work and plan jobs.
- Responsible for accomplishing all aspects of the assigned work in conformance with all applicable safety standards and agency Policies.
- Performs various types of welding using gas, Shielded metal arc welding (SMAW), tungsten inert gas (TIG) and metal inert gas (MIG) processes as well as cutting using Oxy-Acetylene and Carbon Arcing.
- Operates machine tools such as lathes and milling machines in the fabrication and repair of metal components.
- Uses a wide variety of hand tools typical for this industry.
- Operates equipment such as backhoes, and crawler tractor/dozers
- Operates Gantry Cranes, A-Frames and Overhead Bridge Cranes and is familiar with applicable rigging practices.
- Works closely with other crafts in the course of performing daily work activities.
- Keeps the Working Foreman informed of work in progress in a timely manner.
- Builds and maintains positive working relationships with co-workers, other agency employees, government entities, contract providers and the public using principles of good customer service.
- Regular attendance and adherence to prescribed work schedule to conduct job responsibilities.
- Performs related duties as required.
KNOWLEDGE OF:

- Construction and maintenance practices.
- Safety and first aid practices.
- Principles of hydroelectric generation and transmission of electricity desired.
- Awareness of industry environmental best practices.
- Principles of safety working with hydroelectric, water treatment and power plant dams and equipment.

SKILLED IN:

- Welding and machining, with several years of experience in maintenance and repair work on similar equipment.
- Organizing work, setting priorities, meeting critical deadlines and following up on assignments with minimal direction.
- Communicating clearly and concisely, both oral and written.
- Troubleshooting control systems and resolving problems and situations in the workplace.

ABILITY TO:

- Accurately read gages, dials and recorders, and use mathematical skill to perform routine power and water plant operation calculations.
- Analyze and organize jobs.
- Read complex drawings and documents and then make recommendations for the operation and repairs to equipment.
- Read and implement various environmental permits to assure compliance.
- Read, understand, and support development of technical specifications to support agency contracting.
- Organize, supervise and control hand crews, including coordinating their activities with other units.
- Observe and accurately report conditions, both oral and written.
- Analyze equipment and system problems and develop appropriate solutions.
- Keep complete and accurate records.
- Read, interpret, and revise electrical drawings and schematics.
- Understand and follow instructions and be able to make decisions and take appropriate action when necessary.
- Work cooperatively and effectively with others.
- Work independently with little or no direct supervision at times, using initiative and independent judgments within the appropriate supervision guidelines.
- Work in confined spaces with appropriate training and certification.
- Communicate effectively with co-workers.
- Follow oral and written instructions and directions.
- Support required NERC/WECC reliability standards and required reporting.
- Identify hazards in the workplace and prepare a Job Hazard Analysis (JHA).
- Relate cooperatively with members of the public, agency's consultants and agency personnel.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT:

The conditions herein 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 job functions.

Environment: Work is performed in both inside and field settings, with some travel from site to site, with all types of weather and temperature conditions; exposure to noise, dirt, dust, traffic, electrical energy, and high voltage; may work irregular hours; work and/or walk on various types of surfaces including slippery or uneven...
surfaces and rough terrain; frequent opportunity and requirements to interact with the general public and property owners, contractors, suppliers and state, federal, county and other public agencies.

**Physical:** Primary functions require sufficient physical ability and mobility to work in an office setting and in a field environment; to stand or sit for prolonged periods of time; to occasionally stoop, bend, kneel, crouch, reach, and twist; walk on uneven terrain, loose soil, and sloped surfaces; to lift, carry, push, and/or pull light to moderate amounts of weight, up to but not limited to 50 pounds, in accordance with safe working practices; if lifting more than 50 pounds use two or more people to lift load; to operate office equipment requiring repetitive hand movement and fine coordination including use of a computer keyboard; to travel to other locations; to operate equipment and vehicles, and to verbally communicate to exchange information. Must be able to climb ladders, climb multiple flights of stairs; have dexterity to climb in and out of, and ability to work in close quarters. Requires the use of safety hats, belts, harnesses, face guards, safety glasses and goggles, safety shoes, protective clothing including Arc Flash/FR clothing, ear protection and other safety equipment, where necessary.

**Vision:** See in the normal visual range with or without correction.

**Hearing:** Hear in the normal audio range with or without correction.

**MINIMUM QUALIFICATIONS:**
The minimum and preferred requirements are listed below. While the following requirements outline the minimum qualifications, the agency reserves the right to select applicants for further consideration who demonstrate the best qualifications and match for the job. Meeting the minimum qualifications does not guarantee further participation in the selection process.

**Education/Training:**
Graduation from high school or equivalent.

**Experience:**
Four years’ journey-level experience or completion of equivalent training program. Experience in maintenance and repair of equipment and systems similar to that found in the agency’s power project preferred.

**License or Certificate:**
Possession of, and ability to maintain a valid California Class A Driver License and an acceptable driving record. Completion of a Hydroelectric Plant Mechanical Apprenticeship is preferred.

**SPECIAL REQUIREMENTS:**
This position is subject to call out and must reside close enough to travel to Colgate Powerhouse within one hour. This position is required to register with the Clearinghouse through Federal Motor Carrier Safety Administration (FMCSA) and participate in the random drug testing program, as required by Department of Transportation (DOT).

**POST OFFER/PRE-EMPLOYMENT PHYSICAL:**
Employment is subject to passing a physical examination, including a drug test, and a pre-employment background check.

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