

Definition: Under direction of the Chief Plant Operator and general supervision of the Senior Maintenance Worker, the WPCP Maintenance Worker I/II performs preventative maintenance, repairs, and installs water pollution control plant and sewage pumping facilities and equipment.

This is a noncompetitive upward mobility position. The responsibilities of the WPCP Maintenance Worker II are distinguished from those of the WPCP Maintenance Worker I by the independent performance of essential duties and complexity of the assignments received and by additional experience and CWEA technical certification that is required.

Essential Duties: The WPCP Maintenance Worker I/II duties include:

- Repairs and maintains the Water Pollution Control Plant (WPCP) equipment to provide reliability, economy and safety.
- Evaluate equipment performance and recommend reliability and performance improvements to the Senior Maintenance Worker.
- Report condition of equipment, status of repair work, and schedule for repairing non-operating equipment to the Senior Maintenance Worker.
- Assists and completes projects related to the maintenance, improvement or new construction to the physical premises.
- Assists Senior Maintenance Worker to procure supplies, spare parts, and other needs to maintain adequate inventory levels of original equipment manufacture (OEM) repair parts and consumable materials and supplies to provide a complete and timely maintenance program.
- Assists Senior Maintenance Worker to control maintenance and capital budget program expenditures.
- Provide information to Senior Maintenance Worker to aid in the preparation of the annual budget.
- Perform preventative maintenance of pumps, motors, bearings, seals, plumbing, machinery, electrical switchgear, electronic controllers and other related water pollution control equipment.
- Perform lubrication, adjusting, exercising, cleaning and painting of treatment plant and pumping station machinery, equipment and facilities as assigned.
- Inspect, test and calibrate, as required, plant electrical control centers and electronic devices, plumbing and mechanical equipment to determine adequate accuracy and performance, existing condition and needed repair as assigned.
- Provide technical assistance to plant operators performing preventative maintenance tasks.
- Under general supervision of the Senior Maintenance Worker, use a computerized Preventive Maintenance System to maintain accurate and up-to-date equipment preventative and repair history records, for all WPCP Equipment and Facilities.

- Under general supervision of the Senior Maintenance Worker, use a computerized Preventive Maintenance System to maintain accurate and up-to-date inventory of all maintenance supplies, materials and spare OEM parts.
- Perform work required to: maintain, repair, overhaul, modify, replace, or install water pollution control plant and sewage pumping station, electrical and plumbing systems, machinery and mechanical systems, structures and grounds.
- Fabricate parts as needed.
- Test repaired work.
- Use and operate tools and equipment associated with electrical system repair and preventative maintenance, plumbing systems, sandblasting, welding, carpentry; painting, electrical, mechanical, paving, sand blasting, metal work, general concrete and cement work, general construction and materials handling.
- Clean and perform minor repair to sanitary sewers, storm drains, catch basins, and related facilities located at the WPCP or Pumping Stations.
- Assists in plant construction projects as assigned.
- Perform related duties as assigned.
- Assist Senior Maintenance Worker to train operations personnel in safe maintenance work practices and proper procedures for preventative and corrective maintenance of water pollution control facilities, equipment and tools.
- Prepare written standard operating procedures and other written documents as directed.
- Respond to daytime or after hour emergency conditions such as storms, civil emergencies, and system malfunctions 24 hours per day, 7 days a week.
- Operate vehicles.

Special Requirements: Vision adequate to read and drive, ability to bend, stoop or crouch; speak clearly and understandably. Ability to lift 50 lbs. and report to work at any hour of the day or night as required during a disaster or other emergency situations. MUST maintain a 45 minute response time to the job site.

WPCP Maintenance Worker I Minimum Qualifications:

Knowledge of: The maintenance of WPCP equipment and facilities; methods, equipment and tools applicable to wastewater treatment plant maintenance program; safety regulations, safe work practices and use of safety equipment.

Ability to: Maintain sewage treatment plant machinery, equipment and facilities; perform failure analysis; maintain and repair electrical and mechanical systems; perform preventative maintenance tasks; safely operate hand and power tools and motorized equipment used in maintenance and construction work; perform work involving heavy physical labor; operate and apply manual and automated record-keeping systems used to record treatment plant maintenance activities and inventory; train and instruct other personnel in record keeping, work methods, procedures and techniques as assigned.

Education: The equivalent of completion of the twelfth (12th) grade.

Experience: One (1) year performing preventative maintenance and maintenance repairs of an Industrial Plant's control, electrical and mechanical systems. Experience working with computerized preventative maintenance/inventory control program is desirable.

License: Must possess and maintain a valid "Class C" California Driver's License with a satisfactory driving record.

Certification: Must possess a Grade I Plant Maintenance Technologist Certificate issued by the California Water Environment Association within two (2) years of employment and a Grade II Mechanical Technologist or Electrical/Instrumentation Certificate within four (4) years of employment. Employee is responsible for obtaining required certification levels within stated time to maintain employment with the City.

WPCP Maintenance Worker II Additional Requirements For Non-Competitive Advancement:

Upon successful completion of the WPCP Maintenance Worker II qualifications, and upon approval by the Personnel Officer, the WPCP Maintenance Worker I can be appointed to WPCP Maintenance Worker II. These qualifications include:

Experience: Two (2) years experience performing preventative maintenance and maintenance repairs of an Industrial Plant's control, electrical and mechanical systems.

Certification: Must have a Grade II Mechanical Technologist or Grade II Electrical/Instrumentation Certificate issued by the California Water Environment Association, and obtain the other Grade II Certificate issued by the California Water Environment Association within three (3) years of appointment to the position of WPCP Maintenance Worker II.