

Definition: Under direction of the Chief Plant Operator the Water Pollution Control Plant (WPCP) Senior Maintenance Worker will efficiently plan, prioritize, schedule, assign, perform and record maintenance work to prevent NPDES permit violations. The WPCP Senior Maintenance Worker will supervise the Maintenance Worker I/II to provide a complete maintenance program.

Essential Duties: Depending upon assignment, the duties of a WPCP Senior Maintenance Worker include:

- Determine maintenance work priority and assign job tasks to produce a complete and timely maintenance program.
- Report schedule for equipment repairs and status of repair work to the Chief Plant Operator.
- Lead and provide technical assistance to other maintenance and operating personnel, and perform maintenance work to complete: lubrication, preventative and corrective maintenance; inspection, testing, calibration or adjustment; cleaning and painting; repair, overhaul, modification, replacement, or installation of: pumps, motors, bearings, seals, plumbing, machinery, electrical switchgear, electronic controllers, and other related water pollution control plant and wastewater pumping station facilities.
- Lead and perform minor cleaning and repair of sanitary sewers, storm drains, catch basins, and related facilities located at the WPCP or wastewater pumping stations.
- Use tools and equipment associated with electrical and mechanical system preventative maintenance and repair, plumbing and piping systems, materials handling, sandblasting and painting, welding, metal work, carpentry and concrete work, paving, and general construction.
- Design, fabricate and lead the fabrication of machine parts.
- Control maintenance program and capital budget expenditures.
- Procure and lead the purchase of maintenance materials, 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.
- Ensure other maintenance employees comply with maintenance work procedures, safe work practices and training.
- Assist Chief Plant Operator with the evaluation of subordinate employee work performance and recommend action(s) to improve performance.
- Assist Chief Plant Operator in the preparation of the maintenance program annual budget.
- Evaluate equipment performance and recommend reliability and performance improvements and assure plant equipment is maintained and repaired to provide reliability, economy and safety.
- Oversee and inspect projects related to the maintenance, improvement or new construction to the physical premises.
- Inspect and test new construction or completed repair work.
- Assist in plant construction projects as assigned.
- Perform related duties as assigned.
- Maintain accurate and up-to-date equipment preventative and repair history records, for all WPCP Equipment and Facilities.
- Evaluate records to accurately project maintenance program needs and plan activities.
- Evaluate equipment costs to determine cost effective replacement.
- Maintain accurate and up-to-date inventory of all spare OEM parts and consumable maintenance supplies and materials.
- Train maintenance workers and operating personnel in safe work practices and proper procedures for preventative and corrective maintenance of water pollution control facilities, equipment and tools.
- Prepare written standard maintenance procedures and other written documents as required.

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- 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 situation. MUST maintain a 30 minute response time to the job site.

Minimum Qualifications:

Knowledge of: All aspects of the planning and performance of treatment plant equipment and facilities maintenance; methods, equipment and tools applicable to a complete wastewater treatment plant maintenance program; safety regulations, safe work practices and use of safety equipment.

Ability to: Skillfully maintain WPCP and wastewater pumping station machinery, equipment and facilities; perform failure analysis; maintain and repair electrical and mechanical systems; determine, prioritize, assign and perform preventative maintenance tasks; skillfully and 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.

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

Experience: Four (4) years performing preventative and corrective maintenance of the WPCP electrical and mechanical systems or seven (7) years performing preventative and corrective maintenance in an industrial facility. Experience working with computerized preventative and corrective maintenance programs and inventory control programs is highly desirable.

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

CERTIFICATION: MUST POSSESS OR OBTAIN WITHIN TWO (2) YEARS OF EMPLOYMENT A GRADE II MECHANICAL TECHNOLOGIST AND A GRADE II ELECTRICAL/INSTRUMENTATION CERTIFICATE ISSUED BY THE CALIFORNIA WATER ENVIRONMENT ASSOCIATION. ALSO, MUST OBTAIN WITHIN FOUR (4) YEARS OF EMPLOYMENT EITHER AN ELECTRICAL/INSTRUMENTATION OR A MECHANICAL TECHNOLOGY GRADE III CERTIFICATE. EMPLOYEE IS RESPONSIBLE TO OBTAIN AND/OR RENEW REQUIRED CERTIFICATION LEVELS TO MAINTAIN EMPLOYMENT WITH THE CITY.