



Senior Plant Mechanic

\$9,269.87 - \$12,424.55 monthly (\$53.48 - \$71.68/hour) depending on qualifications and experience.

2% certification incentive pay available; benefited position.

Represented by International Union of Operating Engineers, Stationary Engineers, Local 39.

SUMMARY

Under general supervision, performs skilled mechanical maintenance, installation, troubleshooting, and repair work in a modern wastewater treatment facility with remote pumping stations; assists in the development of programs for preventive and corrective maintenance, and improvements of all mechanical systems and equipment.

Assists in the operation and maintains multi-fuel (natural gas, digester gas) reciprocating engine-generators, digester gas collection, storage, delivery, and flaring systems, hot water boiler system, and digester gas treatment system.

May be assigned to be on standby during off hours or called in to work in the evenings, nights, and days and/or on weekends, including holidays.

Every employee appointed to a position at SVCW shall serve at the will and pleasure of the appointing authority.

THE IDEAL CANDIDATE

- Routine duties include starting and stopping the cogeneration units, paralleling operations of the cogeneration engines with the utility (PG&E), operation/maintenance of gas-fired boilers, gas compressors, cooling towers and automated pumping and piping systems related to the operation of the plant.
- Adjusts engine loads, boiler and hot water loop temperature settings and flows, gas treatment settings, and gas storage and usage level.
- Investigates and inspects power plant equipment for conditions which may require repairs; reads work plans, drawings, system diagrams, and specifications; diagnoses reasons for equipment malfunctions and failures and reports observed operating difficulties.
- Performs major maintenance and repair including but not limited to removal and reinstallation of heads, fuel pumps, injectors, turbochargers, gas compressors and ancillary equipment/components; works with other staff and contractors as required; shuts down and starts up equipment as required for repairs or maintenance.
- Utilizes a supervisory control and data acquisition (SCADA) Wonderware computer console to monitor and input commands to control the Cogeneration System.
- From work orders, drawings, specifications, and verbal instructions, performs a variety of complex tasks. Fabricates parts, fittings and assemblies used in the repair and optimization of treatment plant and pump station facilities, treatment process units, and control systems.
- Performs troubleshooting, repair, maintenance, and installation work for mechanical, plumbing, and structural aspects of wastewater treatment plant facilities and equipment.
- Works as a SVCW team member in all efforts involving preventive maintenance, corrective maintenance, repair, and installation of SVCW's facilities' process systems, structures, and equipment. May be assigned to assist other skilled positions and Divisions at the treatment plant.
- Participates in the planning, coordination, and scheduling of work.
- Operates overhead cranes, chain hoists and provides safe load rigging and precision measuring instruments.
- Provides inspection of in-house construction work being performed by maintenance staff.

- Develops and implements improvement projects for the facilities' structures, systems, and equipment.
- Writes Standard Operating Procedures (SOP). Investigates and writes specifications to facilitate material and equipment purchases.
- Drawing on field experience, provides recommendations for preventative and corrective maintenance using computerized maintenance management systems (CMMS); uses CMMS to create, view, and update work orders.
- Recommends and helps implement improved work methods, equipment maintenance procedures, and improvements to the wastewater facilities.
- Provides mechanical safety and skills training to Plant Mechanics and other staff, ensures compliance with safety regulations, responds to emergencies.
- Performs component-level repairs of highly complex gear driven, pneumatic, and hydraulic systems.
- Investigates equipment failures.
- Performs a variety of other duties as assigned.

Knowledge of:

- Industrial machinery, power tools, hand tools, and related equipment and materials.
- Basic building and grounds maintenance practices and procedures.
- Safety hazards, basic hazardous materials handling procedures and appropriate precautions applicable to work assignments.

Ability to:

- Learn the methods, practices and safe operation of equipment used in building maintenance, repair services, and activities including variety of building trades work.
- Read and understand construction drawings, and equipment installation manuals.
- Maintain records and perform arithmetic calculations.
- Safely operate various types of equipment, hand and power tools utilizing safe working practices.
- Communicate clearly and concisely, both orally and writing in the English language.
- Learn and observe all appropriate SVCW safety policies and procedures as required by SVCW including, but not limited to, Cal/OSHA General Industry Safety Orders.
- Drive and operate vehicles, including forklifts, scissor lift, and articulating lift in a safe manner.
- Effectively provide mechanical training and direction to Plant Mechanics.
- Improve mechanical maintenance skills through training, mentoring and hands-on experience.
- Troubleshoot and effect repairs to electro-mechanical, hydraulic, pneumatic, and mechanical systems.
- Operate a PC and related software applications. MS Outlook, MS Word, MS Excel.
- Perform a variety of other duties as assigned.

MINIMUM QUALIFICATIONS

High School Diploma or an equivalent certificate or diploma recognized by the State of California.

Minimum of three (3) years' experience in skilled mechanical maintenance work involving mechanical repair and installation. Knowledge of the tasks performed by equipment maintenance staff in wastewater treatment facilities and industrial settings.

Must possess at minimum a California Water Environment Association (CWEA) Grade II Mechanical Technologist Certification or have experience and/or education equivalent to a journey level mechanic.

Possess and hold a valid California Class C Driver's License.

PHYSICAL TASKS and ENVIRONMENTAL CONDITIONS

Work involves working in indoor and outdoor conditions. The employee works at heights, uses hand and power tools, and works with and around machinery having moving parts. The employee is exposed to outside weather conditions, to gases, fumes, and odors, and to untreated and partially treated wastewater. The employee operates light utility vehicles, including a variety of powered vehicles, forklifts, and special purpose equipment. The noise level in the work environment may be moderate to loud.

While performing the duties of this job, the employee is regularly required to walk, stand, bend, stoop, kneel, and climb. The employee frequently is required to use hands and fingers to handle or feel; reach with hands and arms; and talk and hear. The employee is required to stand and walk. The employee must regularly lift and/or move up to 25 pounds and occasionally lift and/or move up to 75 pounds. Specific vision abilities required by this job include close vision, and ability to adjust focus.

PRE-EMPLOYMENT PROCEDURES

The selection process may consist of an evaluation of the applicant's qualifications, appraisal board interview, written examination, practical exercise and/or internal Department interviews and reference checks. Upon completion of the selection process, an offer of employment may be conditionally based upon the successful completion of an employment and education verification, criminal background check, and a pre-employment medical exam.

The applicant will be contacted regarding all phases of this recruitment via email, so please check email inbox for correspondence regarding next steps and results through the exam process. Please ensure that the email address on your application is correct and current before submitting your application.

HOW TO APPLY

- Application and Detailed Job Description can be found on the careers page at www.svcw.org
 - Complete an SVCW online employment application.
A resume and cover letter will not be accepted in lieu of the Authority's application form.

FILING DEADLINE

Open until filled. We encourage qualified applicants to apply now.

Application Screening and Panel Interview - The most qualified applicants for the position will be invited to participate in a panel interview.