

PERALTA COMMUNITY COLLEGE DISTRICT – November 8, 2007

CLASSIFIED JOB DESCRIPTION

**STATIONARY ENGINEER
(IUOE Local 39 Salary Range 54)
Job Code: 906**

CLASS PURPOSE

Under general supervision, the Stationary Engineer performs journey level work in operating, maintaining, and repairing heating ventilation, air conditioning, plumbing, pool equipment, electrical, door hardware and lock, keying systems. Maintains and repairs other allied building equipment. This class differs from the Senior Stationary Engineer in that the latter supervises the former.

EXAMPLES OF ESSENTIAL DUTIES:

Any one position may not include all of the duties listed nor do listed examples include all tasks which may be found in positions of this class. To perform this job successfully, an individual must be able to perform each essential duty of the position satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions required for the position.

- Inspects, adjusts, repairs, installs, services, tests, and maintains lighting, power, and communication/control systems, transformers, motors, appliances, transformers, controls (up to 480 volts), including data sensing and transmission cabling that may involve pneumatics and instruments, and direct digital controls.
- Operates high and low pressure boilers, tests water and adds chemicals.
- Wires new and altered buildings.
- Assembles, tests, and installs lighting fixtures.
- Inspects, adjusts, repairs, tests, and services heating and air conditioning unit heaters, chillers and compressors. Activities may include adding refrigerant and oil, and replacing valves, fans, gaskets, filters and belts.
- Lubricates equipment.
- Uses various testing devices to locate trouble and makes necessary adjustments.
- Installs switches, gauges, thermostats, valves, tubing, and other parts as needed.
- Inspects, services, and repairs kitchen and refrigeration equipment.
- Checks elevator functions.
- Inspects and repairs fire and sprinkler alarm system(s), electric clock system, lighting control system, security access systems and emergency telephone system(s).
- Maintains locks and door hardware as required.
- Re-keys and records key system revisions.

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- Operates and maintains diesel-powered equipment.
- Performs welding and brazing.
- Occasionally orders parts under the direction of the Assistant Chief Stationary Engineer.
- Updates equipment and maintenance logs.
- Maintains and installs fiber optic and other data cable systems.
- May maintain and repair parking ticket machines, as needed.
- Reads and interprets blueprints.
- Performs all of the essential functions of the Utility Engineer as needed.

MINIMUM QUALIFICATIONS

1. Four (4) years of verifiable journey-level experience in the repair and servicing of heating and air conditioning equipment;

OR

Completion of a State approved Stationary Engineer Apprenticeship Program;

OR

Any combination of qualifying training and/or experience that could likely provide the desired knowledge, skills and abilities to perform the duties of the position.

2. LICENSE: Must have a current valid California Department of Motor Vehicle's Driver's License and be insurable under Peralta Community College District's current automobile insurance policy.
3. Possession of the current valid Universal Technician Certificate as required by 40 CFR Part 82, Subpart F is required for the Stationary Engineer, Assistant Chief Stationary Engineer, and Chief Stationary Engineer. (Possession of the current valid Universal Technician Certificate is a condition of employment that must be met to obtain permanent status.)
4. Understanding of, sensitivity to, and respect for the diverse academic, socioeconomic, cultural, disability and ethnic backgrounds of community college students.

DESIRABLE QUALIFICATIONS

- General knowledge of applicable laws regulating the safe operating and repair practices for building mechanical systems including building codes, construction standards, environmental agency requirements and life safety standards.
- Knowledge of principles governing the safe operation and maintenance of building mechanical, life safety and locking systems.
- Knowledge of boiler systems and heating, lighting, ventilating, air conditioning, electrical, refrigeration, and other mechanical equipment, and the methods, tools, materials and equipment used in the operation, maintenance and repair of such equipment.
- Possession of any or all of the following certificates:

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- Blood Borne Pathogen Training Certificate
 - Indoor Air Quality Certificate
 - Basic Hazardous Materials Awareness Certificate
 - Lead Paint Awareness Certificate
- Ability to:
 - Work efficiently under pressure.
 - Understand and carry out oral and written instructions.
 - Establish and maintain effective and cooperative working relationships with those contacted in the course of work.
 - Respond to emergency callbacks on matters affecting maintenance and safety.
 - Perform a wide variety of building maintenance tasks.
 - Support and complement the educational mission of the District.
 - Follow recommended procedures and techniques to safely perform duties.
 - Keep abreast of current technologies in areas of assignment.
 - Operate, inspect, repair and service a variety of heating, air conditioning and related equipment
 - Estimate the scope of each work assignment and determine the necessary tools and materials to complete the assignment
 - Ability to use one's own initiative to solve building mechanical systems problems.
 - Work from sketched drawings, blueprints and oral instructions
 - Use tools skillfully and safely
 - Operate a variety of modern office equipment including personal computers utilizing various software applications (i.e., Microsoft Word, Excel, Computer Aided Drafting (CAD), etc.); the mainframe computer, Internet and e-mail
 - Use computer to input/update work orders.

ENVIRONMENTAL DEMANDS

- Occasional work performed in dry and humid conditions.
- Frequent use of motor vehicle on public highways.
- Frequent work performed in extreme cold, heat, wet conditions.
- Frequent work performed alone or with people in confined work spaces, at elevated heights, and with noise.
- Frequent use of motor vehicle on campus property.
- Frequent use of moving equipment and supplies.
- Frequent use of vibrating equipment.

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MENTAL REQUIREMENTS

- Must be able to communicate in English (speaking, writing and reading) at a level to safely and effectively perform the essential functions of the Stationary Engineer classification.

PHYSICAL REQUIREMENTS

- Frequent sitting, squatting, running, throwing, crawling, and stair-climbing.
- Occasional lifting, carrying, pushing, and pulling up to 50 lbs.
- Occasional work at a rapid pace.
- Frequent walking, stooping, kneeling, and climbing of ladders.
- Frequent body twisting and reaching.
- Frequent use of balance.
- Constant standing.
- Frequent use of tactile, audio, and visual acuity.
- Frequent use of oral communication.
- Occasional use of written communication.
- Constant use of manual dexterity.

PROTECTIVE EQUIPMENT

- Frequent use of protective wear for the eyes, ears, head, arms, face, hands, and fingers.

Revised: N/A