DUTY STATEMENT
DEPARTMENT OF STATE HOSPITALS--PATTON

JOB CLASSIFICATION:
STATIONARY ENGINEER

1. MAJOR TASKS, DUTIES AND RESPONSIBILITIES

40% Operates and Maintains the Steam Plant and Associated Equipment.
Operates fire tube and water tube boilers on oil and natural gas, chemically treat and test water chemistry and associated equipment. Perform hourly readings, complete gas, oil and steam usage logs and hourly boiler, equipment inspections. Maintain, troubleshoot and repair boiler feed water pumps, D.A. tank, condensate tank, soft water system, all valves including control valves, air compressors, dryers, all air intake filters, steam piping, condensate piping, industrial water piping, chemical feed pumps, steam traps, boiler safeties and all Steam Plant controls, Operator will utilize Steam Plant automation system and chemical test station. Perform annual boiler tear down and inspections, test safeties, and inspect for abnormalities. Perform boiler dry lay-up, wet lay-up, hydrostatic test. Operator shall perform cold water boiler feed in emergencies and isolation of boilers, D.A. tanks when necessary. Operator shall utilize the Siemens Building Management system and address after hour calls and work orders via the TMA system. Knowledge of the Emergency Back Up Generators. Manually start generators, manually load shed and manually switch the Automatic Transfer Switches in the event the automation fails. Occasionally operates automotive equipment and hauls material (Valid California Driver's License and Defensive Driver Permit is required contingent on the class of vehicle to be driven, in accordance with Administrative Directive 7.07).

40% Knowledge of, Install, Maintain, Troubleshoot and Repair Campus Wide HVAC&R System.
Operates, Maintains, Troubleshoots, Installs and repairs; heat pumps, mini splits, package units, split systems, exhaust fans, natural gas furnaces, heat exchangers, air handlers, chillers refrigeration systems, controls, all pumps, and replace bearings/shafts where necessary. Perform Calibration Troubleshooting and Replacement on control valves, regulating valves, pressure controls, pressure reducing stations and humidistats, thermostats, fire damper motors and controls. Perform compressor change outs, thermostatic expansion valves replacement, air conditioning and heating control troubleshooting/replacement, commercial refrigeration equipment troubleshooting and repair. Identify various refrigerants and applications campus wide. Perform air balancing and adjustment per specifications. Refer to blueprints for various conditions throughout the campus building equipment. Troubleshoot and repair solid state controls, motor control panels, motors, direct digital devices, and applications. Maintain and repair air handlers, dampers, damper motors, contactors, belts, pneumatic and direct digital controls. Preform Sheetmetal fabrication, bracket engineering fabrication and other fabrication as necessary. Utilize the Siemens Building Management software and hardware to manipulate chillers, air handlers and controls as necessary. Operate, troubleshoot, maintain, and repair cooling towers, chillers, and controls. Repair

troubleshoot and maintain single phase and poly phase electrical supply and equipment up to 600 volts.

20% Knowledge Kitchen Equipment and Electrical/Mechanical Systems.
Inspects and troubleshoots electrical and mechanical systems. Estimates repair and replacement costs of electrical, mechanical, and electronic systems. Performs building maintenance and repair, plan layouts, requisition parts, supplies/equipment. Calculates system requirements to provide estimates for modification or replacement of systems. Perform various kitchen equipment repairs. Leads and trains subordinate and less senior personnel. Required to possess EPA Universal 608 Certification.

2. SUPERVISION RECEIVED

The Stationary Engineer is under the supervision of the Chief Engineer II and receives leadership under the direction of Chief Engineer I and Chief Engineer I Retired Annuitant.

3. SUPERVISION EXERCISED

No line supervision exercised however, may instruct, and lead unskilled assistants.

4. KNOWLEDGE AND ABILITIES

KNOWLEDGE OF:
Boilers and auxiliary boiler room equipment; heating, lighting, ventilating, air conditioning, refrigeration, building electric and pneumatic controls, water treatment and other mechanical or electrical equipment; the methods, tools, materials, and equipment used in the operation, maintenance and repair of such equipment.

ABILITY TO:
Follow oral and written direction; demonstrate mechanical ability; keep accurate records; install, operate and make repairs to the various types of equipment listed above in the knowledge requirements; make written reports, read, interpret, and work from plans, drawings and specifications; lay out work for others and direct them in this work; analyze situations accurately and take effective action. Ability to bend; reach; ascent stairs, slopes, and inclines; work at heights applicable to trade demands; and labor in the outdoors in all weather conditions.

5. REQUIRED COMPETENCIES

INFECTION CONTROL
Applies knowledge of correct methods for controlling the spread of pathogens appropriate to job class and assignment.

SAFETY
Actively supports a safe and hazard-free workplace through practice of personal safety and vigilance in the identification of safety or security hazards, including infection control. This includes familiarity with the Patient Safety Plan.

CULTURAL AWARENESS
Demonstrates awareness to multicultural issues in the workplace, which enable the employee to work effectively.

SITE SPECIFIC COMPETENCIES

- The operation & repairing of air conditioning and refrigeration systems
- Competency related to boiler operation and repair
- Supports a safe, hazard-free workplace, practices personal safety
- Vigilance in the identification of safety or security hazards
- Competency related to maintain water, steam, plumbing and sewage systems.
- Ability to bend; reach; ascent stairs, slopes, and inclines; work at heights applicable to trade demands; and labor in the outdoors in all weather conditions.

TECHNICAL PROFICIENCY

- Demonstrates knowledge of correct method used in reading blueprints
- Knowledge of trouble shooting pneumatic, electrical, mechanical, electronic and refrigeration equipment
- Demonstrates knowledge of the appropriate use of operating a Steam Plant
- Performing water treatment, settings of chemical feed pumps
- Ordering chemicals, pump repair, reading instruments, firing of boilers
- Awareness of Injury, Illness, Prevention Program
- Read Material Safety Data Sheets, performs risk analysis before doing work
- Demonstrates knowledge of the use of tools used in water, sewer, plumbing & steam piping repair

6. LICENSE OR CERTIFICATION

It is the employee's responsibility to maintain a license, credential, or required registration pertinent to their classification on a current basis. Any failure to do so may result in termination from Civil Service. Employees in this classification must:

- Possess a EPA Universal 608 Certification.

7. TRAINING – TYPE II -- GENERAL

The employee is required to keep current with the completion of all required training.

8. WORKING CONDITIONS: (FLSA)

EMPLOYEE IS REQUIRED TO:

- Report to work on time and follow procedures for reporting absences;
- Maintain a professional appearance;
- **Appropriately maintain cooperative, professional, and effective interactions with employees, patients/clients and the public;**
- Comply with Hospital policies and procedures.

Employee may be asked to respond to a call back for health and safety issues, after any shift and schedule, in a variety of settings throughout the Hospital in accordance with

Facility Operations Call Back Procedures for BU 12 & 13 Employee and as determined by the operational needs of the Hospital.

All employees are required to have an annual health review pursuant to Administrative Directive (AD) 4.14 and repeat health reviews whenever necessary to ascertain that they are free from symptoms indicating the presence of infection and are able to safely perform their essential job functions.

Employee Signature	Print Name	Date
Supervisor Signature	Ed Scust	4-14-22
Reviewing Officer Signature	Lisa Tate	4/14/2022