



## PERSONNEL COMMISSION

Class Code: 3300  
Salary Range: 34 (C2)

### STATIONARY ENGINEER-NUTRITION CENTER

#### JOB SUMMARY

Under general supervision, to operate, repair and maintain mechanical cook and chill equipment utilized in food production at the District Nutrition Center; monitor and repair or adjust auxiliary equipment; and to perform related duties as required.

#### EXAMPLES OF DUTIES

*The classification specification does not describe all duties performed by all incumbents within the class. This summary provides examples of typical tasks routinely performed in this classification.*

- Operate maintain and repair high pressure steam boilers; test water for balance and corrosive effects; check insulation on pipes and lines and safety valves. **E** "
- Operate, maintain and repair the condition of the deaerating feed tank and spray nozzles. **E**
- Operate, maintain and repair blow down tank for the steam boilers to eliminate water hardness, sludge and impurities. **E** "
- Operate, maintain and repair reducing stations and check and maintain the condition of steam traps, strainers, gauges and valves. **E**
- Operate, maintain and repair water softeners; test water for hardness to prevent scaling and tube failure. **E**
- Monitor the condition of floats, switches and pumps to ensure their proper operation.
- Operate, maintain and repair ice builders; check condition of water and piping of the system. **E**
- Operate, maintain and repair daily commercial hot water heaters and heat exchangers for reliability and malfunctions. **E**
- Perform occasional repair to kitchen appliances and equipment such as gas and electric ovens, large garbage disposals and dishwashers, pumps and kettles. **E**
- Read meters, gauges, or automatic devices at specified intervals to verify operations and conditions; record data such as temperatures, hours of operation, pressure, and water test analysis. **E**
- Operate, maintain and repair refrigerated air drier and coalester filters. **E**
- Maintain and perform minor repairs to air conditioning equipment. **E**
- Operate and maintain motors and generators. **E**
- Tighten fittings, repack or replace bearings, gaskets, valves and gauges using hand and power tools. **E**
- Maintain boiler rooms in a clean, safe and sanitary condition. **E**

- Operate a District vehicle. ***E***
- May record operation and maintenance actions taken in a log book.

*Note: At the end of some of the duty statements there is an italicized "E" which identifies essential duties required of the classification. This is strictly for use in compliance with the Americans with Disabilities Act.*

### **DISTINGUISHING CHARACTERISTICS**

The Stationary Engineer - Nutrition Center maintains, monitors, repairs and adjusts equipment that provide electrical, steam or gas energy in large quantity food production of the central kitchen of the District Nutrition Center. An incumbent is licensed to operate high-pressure steam boilers and associated equipment such as steam traps, water softeners and air drier. A Stationary Engineer - Nutrition Center performs regular preventive maintenance on a variety of equipment and appliances which includes air compressors, motors, pumps, valves, and generators. An incumbent keeps logs and records on the operation and performance of equipment and appliances.

A Plant Utilities Operator at District secondary schools operate and monitor low pressures vessels and other equipment common to schools. A Water Boiler Treatment Specialist monitors the operation of boilers and related equipment and trains school site personnel in the operation of boilers. No steam operator's license is required for a Stationary Engineer.

### **EMPLOYMENT STANDARDS**

#### **Knowledge of:**

Safety devices integral to boiler and refrigeration equipment.

Principles and methods of operation, maintenance and repair of high pressure steam generation, refrigeration and auxiliary equipment.

Principles of combustion and heat transfer.

Water testing and treatment.

Pipefitting

Operation and maintenance of various pumps, valves, motors, compressors, blowers, control switches and instruments related to boilers, refrigeration and water treatment systems.

Tools and equipment used in maintenance and repair of steam and refrigeration equipment.

#### **Ability to:**

Perform preventive maintenance on machinery and equipment utilized in large quantity food production.

Operate high-pressure steam boilers, deaerating feed tanks, reducing stations, air compressors, and other equipment and systems used in large quantity food production.

Diagnose operating problems and perform repairs on equipment such as boilers, air compressors, drain systems, water softeners, reducing stations on the steam system, cooling towers, water feed treatment system, and refrigeration and ventilation systems. Perform chemical tests of boiler, cooling tower and other system fluids to determine required values are maintained; make adjustments as needed.  
Read charts, gauges and instruments on machinery and equipment.  
Follow oral and written directions  
Keep logs and records and write routine reports.  
Establish and maintain effective working relationships with others.

**Training:**

Equivalent to graduation from high school.

**Experience:**

Three years at the journey level operating and maintaining high pressure boilers and auxiliary equipment and at least two years journey level experience in operating and maintaining refrigeration equipment.

Any other combination of training and/or experience, which demonstrates that the applicant is likely to possess the required skills, knowledges and abilities, may be considered.

**SPECIAL REQUIREMENTS**

Steam Engineer License, 500 horse power or higher issued by the City of Los Angeles, California or other agency authorized to issue such license.

Possession of a valid class C Driver's License and evidence of a safe driving record is required at the time of appointment.

An applicant for this class will be required to obtain, at his/her own expense, and submit his/her motor vehicle driving record at the time of appointment. The record must meet and be maintained at the district's safe driving record standard. Failure to meet this requirement will result in the disqualification and/or rejection of the eligible regardless of any other standing.

Some incumbents in this class may be required to wear protective clothing, gear and equipment as required by law.

**WORKING ENVIRONMENT**

An incumbent in this class works at the Nutrition Center facility; exposure to extreme cold in the large commercial refrigeration units to the heat of the boiler room; humidity and moisture; odors; noise levels are usually high. There are many hazards including

proximity to moving, mechanical parts, exposure to electrical shock, toxic chemicals, and gases under pressure.

**PHYSICAL DEMANDS**

See well enough to read gauges, thermometers, sight glasses, floats, steam and water leaks, distinguish different colors when testing water and chemicals; hear well enough to detect steam and air leaks, and use two-way radio; stooping, crawling, climbing ladders and step stools; dexterity of fingers and hands to operate hand and power tools and equipment; strength to push or pull objects up to 50 pounds.

*AMERICANS WITH DISABILITIES ACT*

Persons with certain disabilities may be capable of performing the essential duties of this class with or without reasonable accommodation, depending on the nature of the disability.

**APPOINTMENT**

In accordance with Education Code section 45301, an employee appointed to this class must serve a probationary period of six (6) months during which time an employee must demonstrate at least an overall satisfactory performance. Failure to do so shall result in the employee's termination.

PCA: 3/2/00