



PERSONNEL COMMISSION

Class Code: 3299
Salary Range: 27 (C2)

WATER/BOILER TREATMENT SPECIALIST

JOB SUMMARY

Under general supervision, to inspect and maintain boilers and cooling towers and related auxiliary equipment at District sites; to instruct custodial and other site personnel in the safe operation and maintenance of boilers and cooling towers at District sites; 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.

- Use reagents to make water analysis of hot water and steam boilers, cooling towers and chiller units to measure for corrosive and/or other dissolved substances; take or direct corrective action with chemical additives to maintain water standards and temperatures within prescribed ranges. ***E***
- Inspect boiler rooms, cooling towers and chiller unit areas for hazards, safety, cleanliness and auxiliary equipment that may require repair or replacement; note conditions in need of corrective action and notify site personnel. ***E***
- Train custodian supervisors and other site personnel in the safe operation and maintenance of boilers and provide training in the correct and safe method of adding chemical treatment to boilers and cooling towers. ***E***
- Operate boilers and cooling towers and auxiliary equipment; clean, test and repair boilers, cooling towers, chillers and related pipes, safety controls, valves, filters and strainers. ***E***
- Order, receive, store and deliver chemicals to sites for treatment of boiler, cooling tower and chiller units; order reagents used for water analysis. ***E***
- Identify need for repair or replacement of parts on boilers and cooling towers; requisition parts and materials; as needed, work with contractors who are performing the work. ***E***
- Record chemical treatments and servicing of equipment in logs; make reports on deficiencies of maintenance and operation of equipment and corrective action required; make follow-up reports as needed. ***E***
- Operate a District vehicle to pick up supplies and materials and travel from site to site. ***E***

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

A Water/Boiler Treatment Specialist is assigned the inspection and repair of and reporting on water and steam boilers and cooling towers throughout the District. An incumbent trains custodial personnel at District plant sites in the safe operation and maintenance of the equipment and does follow-up inspections and corrective actions of identified deficiencies. Also, an incumbent may participate in the annual cleaning and repair of this equipment. An incumbent applies a thorough knowledge of boilers, cooling towers, chiller units and related parts and auxiliary equipment such as sump pumps, air compressors, traps, valves and controllers.

EMPLOYMENT STANDARDS

Knowledge of:

Principles and practices used in the operation of water and steam boilers and cooling towers and auxiliary equipment.
Building codes applicable to the operation of boilers and auxiliary equipment.
Operations of automatic low-pressure boilers, control pumps, motors and related equipment.
Safety precautions involved in boiler operation.
Procedures for testing boiler and cooling tower water for undesirable qualities.
Chemicals used in water treatment for boilers and cooling tower.
Record keeping.

Ability to:

Operate and maintain automatic low-pressure boilers, cooling towers and chiller units and related equipment.
Perform water analysis and treatment of boilers, cooling towers and related equipment.
Use safely hand and power tools for building operating equipment.
Operate materials handling equipment.
Read and understand manufacturers manuals and brochures.
Read blueprints and drawings.
Keep operation records.
Analyze building equipment problems to determine preventive actions.
Inspect contract repair work.
Prepare reports as needed.
Train others in the operation and maintenance of boilers and cooling towers.
Operate a vehicle observing legal and defensive driving practices.
Establish and maintain effective working relationships with others.

Training:

Equivalent to graduation from high school.

Experience:

Three years operating and maintaining automatic low-pressure boilers and auxiliary 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

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

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.

Incumbents are subject to pertinent provisions of the General Industry Safety Orders of the California Code of Regulations regarding protective equipment when exposed to hazardous materials, including, but not limited to, asbestos and lead. Incumbents in this class are required to wear protective clothing, gear, and equipment as required by law and provided by the District.

WORKING ENVIRONMENT

Outside in inclement weather; inside in high temperatures of boiler rooms; cooling towers; exposure to fumes and dust; exposure to chemicals used for water boiler treatment; drive district vehicle from site to site.

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; stooping, crawling, kneeling, pushing, bending and walking, 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: 3/2001

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