

Associate Safety Engineer

California State Personnel Board Specification

- **Schematic Code:** IF60
- **Class Code:** 3929
- **Established:** 04/07/1982
- **Revised:** --
- **Title Changed:** --

Definition

Under general direction, to perform independently the full range of professional journey level safety engineering work in construction, electrical, and industrial functions related to the CAL/OSHA program; to conduct the more responsible and complex safety inspections, accident investigations, consultations, or journey level staff assignments related to construction, electrical, and industrial occupational safety and health; to act in a lead capacity over other program staff; and to do other related work.

Typical Tasks

Without detailed supervision or review, conducts construction, electrical, and industrial worker safety inspections and surveys, including the most difficult in factories, businesses, construction sites, and other work places throughout the State; meets with employers, workers, representatives of labor organizations, employees of other government agencies, and members of the general public to explain various aspects of the CAL/OSHA program and discuss construction, electrical, and industrial occupational safety and health problems; responds to complaints of construction, electrical, and industrial hazards to worker safety and health; investigates the most complex and serious construction, electrical, and industrial accidents, determines their cause and the means of preventing their recurrence; applies the provisions of the State's safety orders, applicable law, and appropriate department policies to conditions found and identifies construction, electrical, and industrial worker safety and health hazards; determines the seriousness of violations of the State's safety orders associated with construction, electrical, and industrial disciplines, calculates appropriate penalties, and recommends the issuance of citations and, if appropriate, legal prosecution; prepares reports of activities, including citations, and may issue citations in the field; represents the Division of Occupational Safety and Health Appeals Board; in the CAL/OSHA Consultation Service, performs construction, electrical, and industrial inspections and provides a variety of consultation services in response to requests from employers for advice and assistance in providing a safe and healthful work environment; conducts seminars, workshops, and other training on occupational safety and health; may be assigned to review and do research on existing and proposed State regulations and policies on occupational safety and health associated with construction, electrical, and industrial disciplines, compare them with Federal guidelines, consult with employer labor, other government agencies and other interested parties on their appropriateness, and participate in the preparation and presentation of documentation and exhibits at hearings of the Occupational Safety and Health (OSHA) Board relative to the construction, electrical, and industrial disciplines; in a staff capacity, may provide oral and written interpretations of the safety orders associated with the construction, electrical, and industrial disciplines and give advice and guidance on departmental policy to field staff; may act in a lead capacity and assist in training other staff engaged in occupational safety and health work in the construction, electrical, and industrial disciplines; may be assigned special projects related to occupational safety and health in the construction, electrical, and industrial disciplines; and prepares technical reports and correspondence.

Minimum Qualifications

EITHER I

Two years of experience in California state service performing the duties of an Assistant Safety Engineer.

OR II

Experience: The equivalent of either:

1. Two years of experience as a safety engineer or safety consultant in the construction, electrical, or industrial disciplines, conducting safety inspections to identify hazards to worker safety and advise on their abatement in industrial or commercial establishments, government facilities, or construction sites. or

2. Three years of professional construction, electrical, or industrial engineering experience. and Education: Equivalent to graduation from college with specialization in engineering or in a field directly related to occupational safety and health. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.) (Promotional candidates who are within six months of satisfying the experience requirement for this class will be admitted to the examination but they must meet the experience requirement before being eligible for appointment.)

Knowledge and Abilities

Knowledge of: Purpose and functions of the various components of the CAL/OSHA program; principles, practices, and methods of construction, electrical, and industrial engineering, including those specifically applicable to safety engineering; operations, methods, equipment, and safety devices used in the State's work places and occupational safety and health hazards associated with construction, electrical, and industrial disciplines; the Associate Safety Engineer State's safety orders covering construction, electrical, and industrial safety; applicable provisions of the Labor Code; policies and procedures relating to the operations of the CAL/OSHA program; methods and techniques used in safety inspections, accident prevention, consultation, training, and technical report writing associated with the construction, electrical, and industrial disciplines; methods of developing and presenting evidence in administrative and formal legal hearings. Ability to: Conduct safety inspections and accident investigations associated with the construction, electrical, and industrial disciplines, including the most difficult and complex, in work places throughout the State; gather and effectively analyze information; detect occupational safety and health hazards and unsafe working conditions and practices in the construction, electrical, and industrial disciplines; interpret and apply the State's safety orders, applicable provisions of the Labor Code, and the policies of the CAL/OSHA program associated with construction, electrical, and industrial disciplines; develop and maintain effective working relationships with employers, workers, labor organizations, the general public, and others encountered in the work; analyze situations accurately and take effective action; communicate effectively, both orally and in writing; address groups and conduct seminars and workshops on construction, electrical, and industrial worker safety; prepare technical reports and correspondence; act in a lead capacity and assist in training staff in occupational safety and health work in CAL/OSHA program functions and activities associated with the construction, electrical, and industrial disciplines; develop and present evidence, and represent the Division of Occupational Safety and Health or other components of the CAL/OSHA program in administrative and formal legal hearings related to the construction, electrical, and industrial disciplines.

Special Personal Characteristics

Willingness to undertake additional training as needs are identified; willingness to travel and work in an assigned area of the State; keenness of observation, tact, and maturity.

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