

California State Personnel Board Specification

CDCR/DSH Scientist (Correctional Facility)

Series Specification
(Established xxxxx 2014)

Scope

This series specification describes one XXXX classification used to perform a broad range of staff work concerning present and future XXXX programs related to promoting the proper management of hazardous materials and hazardous waste, a safe work area, and protecting public health and the environment.

Schem Code
XXXX

Class Code
XXXX

Class
*CDCR/DSH Scientist
(Correctional Facility)*

Definition of Series

This series includes an entry, intermediate, journey and advanced class levels. Performs work in connection with proper management of hazardous and toxic materials/waste; conducts hazardous material/waste inspections of work areas; investigates complaints of unhealthy and unsafe hazardous material/waste work environments, and recommend and implement corrective actions; provides consultation and assistance on hazardous materials/waste generation to institution factories, shops, vocational, and other work areas; ensure proper management of hazardous materials/waste; research problems and issues associated with the proper management of hazardous materials/waste; maintain and update facilities/institutions Emergency/Contingency Plans and Hazardous Material Business Plans; provides training in methods and techniques to ensure compliance with hazardous materials/waste standards; trains, directs, and reviews the workers handling hazardous materials/waste; prepares reports and correspondence; may act as lead person in connection with regulatory reviews, studies or special projects; and performs other related work.

Individuals in this series are hazardous materials/waste management professionals who have expertise and strong specialization in one or more phases of environmental, chemical, or public

health factors, effects, and control measures in the area of engineering and mechanical control operations and industrial processes encountered in work places.

Positions in this series may instruct, lead or supervise inmates, wards, residents or patients of the California Department of Corrections and Rehabilitation or Department of State Hospitals; prevent escapes and injury by these persons to themselves or others or to property; maintain security of working areas and work materials; inspect premises and search inmates for contraband, such as weapons or illegal drugs. These classifications are subject to safety retirement.

Entry Level

Entry into the series is at one of the alternate ranges of the XXXX level depending on education, experience, and qualifications of the individual.

Definition of Levels

Class Title XXXX

This class is the entry, intermediate working, journey and advanced journey levels of the series.

Range A is the entry and first working level of the class. Under close supervision, incumbents perform a variety of the less difficult and responsible hazardous materials scientist duties. In accordance with detailed instructions and specific standards, incumbents oversee the proper management of toxic and hazardous materials and hazardous wastes, including the identification and analysis of hazardous materials and wastes; implement established criteria and guidelines for handling hazardous materials and wastes; oversight and onsite inspection of hazardous material and waste generator locations and areas; management of hazardous material and waste contractors and hazardous material and waste transporters.

Range B is the intermediate working level of the class. Under general supervision, incumbents perform the proper implementation of correct health and safety procedures including following the Hazard Communication Program; maintain and update facility Emergency/Contingency Plans and Hazardous Material Business Plans; the correct use of Personal Protective Equipment (PPE); the identification of hazards in the work place; a process to correct workplace hazards; health and safety training for staff and inmates; follow a compliance program to maintain a safe workplace; and maintain records of safety programs.

Range C is the journey level. Under general direction, incumbents implement techniques for environmental and chemical assessments, such as sampling to assess chemical and other data to determine levels of contamination, site conditions, and other factors; follow guidelines for the determination of established regulatory threshold and bench-mark level requirements; coordinate environmental programs related to land, water and air pollution, waste

management and control, and other environmental and environmental health programs with other public and private agencies; determine cleanup levels for air, water and soil contamination; determine appropriate sampling and monitoring methods; provide training to management, staff inmate workers, and others; develop assessments and alternatives for the mitigation of hazards to staff, inmates, and the environment; and follow technical procedures for the identification and remediation of hazards such as mold, lead and asbestos contamination.

Range D is the advanced journey level of the series. Incumbents independently identify problems, develop courses of action, and comply with environmental and environmental health-related laws and regulations; incumbents apply scientific methods and principles in the identification, research, and solution of problems in the areas of hazardous materials management, environmental monitoring, waste classification, toxic and hazardous materials management; manage and oversee emergency response efforts; conduct or participate mitigation investigations, feasibility studies, and mitigation action plans; consult with and advise other agencies and institutions engaged in related environmental analysis, management, planning, regulation, investigation, and research; meet with regulatory agencies to comply with requirements; develop and provide training to management, staff inmate workers, and others; inspect job sites, regulated areas, and contaminated or environmentally sensitive sites; and prepare reports and correspondence

Minimum Education

Education: Possession of a bachelor's or advanced degree with a major in a biological, chemical, physical, or environmental science, environmental or public health, or a closely related scientific discipline. (Admission to a masters or doctoral degree program in a biological, chemical, physical, or environmental science, environmental or public health, or a closely related scientific discipline shall be considered to meet these education qualifications.)

Knowledge and Abilities

Class Title XXXX

Knowledge of: Principles and development of criteria and guidelines of hazardous material/waste management; oversight of inspection of hazardous material/waste generator locations and areas; management of hazardous material/waste contractors; management of hazardous material/waste transporters; principles of hazardous material/waste reduction, reuse, recycling, substitution, and prevention; statistical methods; chemical reactions; management practices concerning safety practices relating to human health, the environment, and property; effects of hazardous material/waste, and hazardous substances, and their interactions on the environment; California and Federal environmental laws, rules, and regulations; basic toxicology, hydrology, geology and principles of risk assessment and risk management; concepts employed in a variety of disciplines including environmental planning,

manage contracts and program budget, and resource management; develop resource conservation program impacts and implementation strategies; review resource recovery issues.

Ability to: Apply or modify scientific methods and principles; collect environmental data; analyze and evaluate data and reach sound conclusions; review, check, and interpret scientific and environmental reports; analyze situations and take appropriate actions; establish and maintain cooperative relations; communicate effectively; prepare clear, complete, and technically accurate reports; apply laws, rules, regulations, policies, and requirements of environmental protection and resource management programs; assess the impact of proposed environmental legislation and regulations; understand principles of risk assessment and risk management; work with professionals from a variety of disciplines within and outside of State government; and review and understand technical research reports on emerging public health and environmental issues.

Alternate Range 4XX

Established: 06/05/2014

Range A. This range shall apply to incumbents who do not meet the Range B or Range C criteria.

Range B. One year of satisfactory experience in the California state service performing duties comparable to an CDCR/DSH Scientist, Range A; or two years of professional scientific experience in environmental analysis research, management, planning, regulations, or investigation. Comparable volunteer and internship positions prior to appointment into the CDCR/DSH Scientist series shall bear equal weight as a career paid position, performed during or after completion of the required education. Possession of a master's degree in a biological, chemical, physical, or environmental science, or a closely related scientific discipline will substitute for the required experience.

Range C. Two years of satisfactory experience in the California state service performing duties comparable to an CDCR/DSH Scientist, Range B; or three years of professional scientific experience in environmental analysis, research, management, planning, regulation, or investigation. Comparable volunteer and internship positions prior to appointment into the CDCR/DSH Scientist series shall bear equal weight as a career paid position, performed during or after completion of the required education. Possession of a master's degree in a natural, physical, or environmental science, or a closely related scientific discipline may be substituted for one year of experience. Possession of a doctorate degree in a biological, chemical, physical, or environmental science, or a closely related scientific discipline may be substituted for two years of the experience.

Range D. Two years of experience in the California state civil service performing the duties of an CDCR/DSH Scientist, Range C; or five years of professional scientific experience in environmental analysis, research, management, planning, regulation, or investigation. Comparable volunteer and internship positions prior to appointment into the CDCR/DSH Scientist series shall bear equal weight as a career paid position, performed during or after completion of the required education. Possession of a master's degree in a natural, physical, or environmental science, or a closely related scientific discipline may be substituted for one year of experience. Possession of a doctorate degree in a biological, chemical, physical, or environmental science, or a closely related scientific discipline may be substituted for two years of the experience.

When the requirements for the particular criteria are met and upon recommendation of the appointing power, the employee shall receive a rate under the provisions of California Code of Regulations, Title 2, Section 599.676.

Alternate Range 70 only applies to Hazardous Materials Specialist, it shall be abolished.