

## SAFETY CONSULTANT II

This is advanced technical and consultative work with responsibility for identifying trends and specific unsafe conditions and safety violations, for developing solutions and recommendations to correct problem areas, and for limited enforcement of regulations in a wide ranging and comprehensive safety and health, hazardous materials management and emergency planning program within the largest and most diverse agencies.

Employees review and analyze accident reports, inspection surveys and other data sources to determine trends, patterns and critical conditions; develop and direct special studies or accident investigations; and occasionally conduct field inspections and investigations on the most unique, controversial or complex problems which generally are wide ranging or statewide in scope. Work includes reviewing plans, specifications and drawings to assure that safety and health standards are met; performing the more complex limited design modifications; providing technical guidance and expertise across most safety and health issues; analyzing and providing consultation and review of the most complex hazardous waste management problems; interpreting laws, standards and codes; and reviewing and researching new or revised safety standards and laws to determine their applicability to their agency. Work may include supervisory responsibilities and other duties as assigned.

### I. DIFFICULTY OF WORK:

Variety and Scope - Employees outline and perform or coordinate industrial hygiene studies, review and analyze survey results, and develop recommendations to correct any violations or unsafe conditions. Employees review and evaluate existing health and safety or accident prevention training programs, design and develop new programs as necessary, and implement or conduct training programs on a regular basis. Work also includes developing and maintaining automated data files; evaluating and recommending safety equipment; writing agency safety bulletins; and providing consultation, technical research, design or redesign, or review on a wide variety of fields and systems associated with the construction and maintenance of a highway system.

Intricacy - Work involves analyzing a wide variety of health and safety hazards across a large number of diverse jobs and work sites, guiding and monitoring field people to ensure that in-house safety programs comply with federal regulations; researching and interpreting laws, regulations and standards dealing with occupational safety and health and hazardous materials; analyzing surveys and making recommendations on how to improve hazardous situations; recommending safety equipment or engineering control to provide protection; designing and implementing specialized programs for educating employees, and reviewing personal injury and accident reports for patterns or critical conditions.

Subject Matter Complexity - Work requires an advanced knowledge of the principles and/or practices in construction, building systems, heavy equipment operations, industrial management or technology, hazardous materials, occupational safety and health laws and a working knowledge of industrial hygiene and toxicology in the workplace.

Guidelines - A wide variety of reference materials are available and applicable to most design situations, however, some of the industrial hygiene and hazardous waste issues possess gaps in specificity requiring a substantial amount of interpretation.

### II. RESPONSIBILITY:

Nature of Instructions - Employees operate with considerable independence under general department guidelines and objectives. Most daily assignments are self-planned. Occasionally, special assignments or project emphasis is assigned by the supervisor.

Nature of Review - Work is reviewed based on results of the project, project report and on a periodic basis through informal discussions. Work requires some administrative review and very little technical review.

Scope of Decisions - Decisions and judgments are usually in the form of recommendations unless there is a life-threatening situation. Decisions normally would impact on multiple positions and job sites on a statewide basis.

Consequence of Decisions - Errors in the collection and analysis of data and subsequent recommendations, could result in uncorrected or compounded hazards and injury to employees or the general public.

### III. INTERPERSONAL COMMUNICATIONS:

Scope of Contacts - Contacts are primarily with interdepartmental personnel, safety consultants, representatives of regulatory agencies and private industry and the general public.

Nature and Purpose - Contacts with management and employees are often for the purpose of conducting inspections and gathering information, although employees may promote safety consciousness and convince them to implement safety recommendations. Employees maintain contact with representatives of regulatory agencies for liaison purposes or to solicit their assistance in interpreting safety and health laws and regulations.

### IV. OTHER WORK DEMANDS:

Work Conditions - Employees are occasionally exposed to noise, dust, dirt, oil, fumes and extremes of hot and cold and other weather conditions while conducting investigations or inspections of equipment/maintenance shops, laboratories, processing facilities, kitchens and physical plants. Sampling or testing may be potentially hazardous, especially around construction sites.

Hazards - Employees may be exposed to normal driving hazards and occasionally may be exposed to potentially severe hazards such as heights, diseases, radiation, chemical or biological hazards, construction sites and explosives.

### V. RECRUITMENT STANDARDS:

Knowledges, Skills, and Abilities - Advanced knowledge of the principles and practices of safety, fire protection, environmental health and system safety engineering; and federal and state regulatory laws, regulations, standards and policies. Considerable knowledge of hazardous material management, emergency planning and federal and state health and safety codes; engineering and physical science disciplines. Working knowledge of insurance and risk, industrial and public relations, organizational theory and behavior and quantitative safety. Ability to work independently, analyze and evaluate work sites and processes for safety and health considerations, interpret and apply guides and regulations, make decisions and judgments on safety issues and to develop recommendations and design modifications as necessary. Ability to make, review and/or revise detailed technical sketches, perform complex computations and to evaluate design plans and specifications from a safety standpoint. Ability to maintain effective working relationships with inter/intra agency and outside personnel. Ability to communicate or express ideas clearly and effectively.

Minimum Training and Experience Requirements - Graduation from a four-year college or university with a major in safety engineering, industrial engineering, industrial management or technology, engineering science, occupational safety or one of the physical sciences and four years of progressive occupational safety and health experience; or an equivalent combination of training and directly related experience.