

Specification for Class of

INDUSTRIAL HYGIENIST 3

Abolished Effective July 1, 2007

Definition: Independently conducts enforcement inspections and investigations of any size employer's workplace including those which are complex, highly technical or large scale, to assess existing and potential health hazards and determines compliance with standards for safety and health hazards. Exercises compliance authority in issuing citations including orders and notices of immediate restraint. Directs other industrial hygienists in inspections/ investigations requiring more than one hygienist; or, at the request of an employer, performs consultation inspections of any size employer's workplace to detect and eliminate any existing and potential health hazards; or, acts as a Training Development Specialist in the development of training programs in the area of occupational health hazards; or as a staff position in the Division of Industrial Safety and Health headquarters, performs technical research, development, evaluation and implementation of project/programs requiring professional level technical knowledge and expertise in industrial hygiene; or, performs high level theoretical and academic industrial hygiene research and investigation of recognized and unknown safety and health hazards in the Safety and Health Assessment and Research Program (SHARP).

Typical Work

Conducts complex, highly technical, or large-scale investigations of workplaces to determine type and extent of chemical and physical occupational health hazards; determines survey evaluation plans, compliance actions and conducts interviews, opening and closing conferences and prepares final reports; gathers samples of air, dusts, liquids and industrial materials; uses direct reading instruments for measurement of noise, non-ionizing radiation, vibration, temperatures and chemical contamination; analyzes and reports on survey results and laboratory data;

Develops special adaptations of existing sampling equipment and analytical procedures to accommodate unusual problems of contaminant-determination; participates in laboratory simulation of industrial procedures to facilitate analysis of resultant gases and other by-products;

Presents reports of investigations to employers, employee representatives and safety personnel, covering the investigation conducted, the findings and the minimum standards which must be met through remedial measures; follows up to check progress and effectiveness of changes instituted; recommends extent to which enforcement action is needed for cases of noncompliance;

In case of imminent hazards, issues order of immediate restraint pending further investigation; initiates requests for warrants when denied entry to employer facility;

Directs lower-level industrial hygiene personnel in conduct of large-scale complex, or highly specialized investigations; assists lower-level hygienists in resolving conflicts with employers or employees, and in working out solutions to particularly difficult problems of hazard mitigation;

Directs technical field sampling and monitoring activities of scientific technicians during inspections or investigations, related to sampling scope, equipment selection and logging of results;

Provides on-the-job training programs as part of the Program Development Unit, evaluates the effectiveness of health education materials; reviews Division training programs and educational materials for accuracy of health information; presents industrial hygiene training to Division personnel, public and private employers and employees;

Writes training material and conducts in-service training courses for safety and health inspection personnel;

Reviews and approves asbestos course sponsor training courses, including manuals course work and instructors for compliance with regulations; monitors courses for compliance and approves asbestos contractor applications for certification;

Provides advanced staff knowledge and expertise for Industrial Hygiene compliance, asbestos, right to know, pesticides and laboratory programs utilizing industrial hygiene technical and chemical knowledge and expertise; reviews and evaluates effectiveness of procedures and field equipment; develops and implements projects and studies related to statewide industrial hygiene program activities and special projects involving field coordination and investigation; reviews and researches technical information related to specific occupational health issues;

Provides advanced technical industrial hygiene knowledge and expertise in the development and implementation of occupational health and safety theoretical and academic research, surveys and projects initiated under SHARP; in conjunction with other SHARP professionals, participates in project research and on-site workplace surveys for specifically identified occupational health and safety hazards, assisting in development of recommendations and criteria directed toward prevention of illness and injury in the workplace;

Performs other work as required.

Knowledge and Abilities

Knowledge of: standard analytical procedures required for identification and measurement of all common occupational contaminants; sampling and direct measuring techniques for gas, vapor, dust, noise and non-ionizing radiation; industrial processes and resulting contamination hazards; common industrial and agricultural chemicals, chemical by-products and the extent and conditions under which they became health hazards; regulations, policies and procedures of the Department of Labor and Industries relative to occupational hazards and diseases.

Ability to: analyze complex problems of occupational hazard reduction and arrive at sound decisions regarding actions to be taken; combine or alter standard testing equipment and procedures for unusually complex problems of contamination measurement; explain technical procedures and findings in language a lay person can understand; establish and maintain effective working relationships with representatives of management and labor; speak and write clearly and concisely.

Minimum Qualifications

A Bachelor's degree involving major study in occupational safety and/or health, industrial hygiene, chemistry, physics, chemical, mechanical or sanitary engineering, environmental science, nursing, medicine, biology, or related field.

AND

Three years of experience as an industrial hygienist.

A Master's degree involving major study in industrial hygiene or related field will substitute for one year of industrial hygiene experience.

New class: 12-1-64

Revised minimum qualifications: 9-1-68

Revised definition, minimum qualifications and general revision:
4-13-79

Revised definition: 6-15-84

Revised definition: 8-15-86

Revised definition: 9-11-87

Revised definition and minimum qualifications: 5-15-92