

Specification for Class of

INDUSTRIAL HYGIENIST 2

Abolished Effective July 1, 2007

Definition: Conducts enforcement inspections and/or investigations of an employer's work place 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. Or, as a staff person in headquarters performs assignments related to industrial hygiene programs/projects, technical research, policy development or special assignments.

Distinguishing Characteristics: This class includes performance of routine inspections/investigations for all types of occupational health hazards. Inspections/investigations or projects of unusual complexity or posing unusual problems are subject to direction by senior level safety and health personnel.

Typical Work

Conducts investigations of workplaces such as manufacturing plants, construction projects, agriculture and office environments to determine the type and extent of suspected occupational health hazards;

Conducts interviews; collects air and bulk samples of dusts, mists, fumes, gases, vapors and other hazardous materials; measures noise frequency and intensity; measures air flows, temperatures and evaluates ventilation; uses equipment to identify and measure specific contaminants and physical hazards;

Submits samples for laboratory analysis; may perform simple laboratory procedures and occasionally participates in complex analyses or experiments;

Analyzes survey and laboratory data and reviews appropriate literature to formulate conclusions about type and extent of exposure to occupational health hazards;

Determines type and extent of procedures or controls necessary to minimize occupational health hazards and writes reports of investigation and recommendations; typical recommendations include

change in ventilation, personal protective equipment, including respirators and hearing protection, reduction of noise or vibration, ergonomics, substitution or elimination of chemicals, processes or procedures;

Presents written and oral reports to employees and plant management personnel, covering the investigation performed, the conclusions reached and the minimum standards which must be met through changes; follows up to check progress and effectiveness of changes instituted; reports noncompliance cases to higher-level personnel for consideration of enforcement action;

Reviews engineering and other plans to advise industrial personnel about adequacy of proposed changes in ventilation, shielding, etc.;

Provides industrial hygiene staff support for section programs and projects involving review, research and evaluation of technical issues related to compliance, asbestos, right to know, pesticide and laboratory programs; these activities may involve, to varying degrees, field staff coordination and investigation activities;

Monitors asbestos certification courses for compliance with regulations; reviews and verifies asbestos contractor information for compliance with regulations;

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

Performs other work as required.

Knowledge and Abilities

Knowledge of: sampling and direct measuring techniques for chemical and physical hazards, noise and non-ionizing radiation; industrial processes and occupational hazards; common industrial chemicals, chemical by-products and their air contamination potential; hazard potential of dusts, gases, vapors, noise and non-ionizing radiation; routine analytical procedures.

Ability to: explain technical procedures and findings in language a lay person can understand, establish and maintain effective working relationships with representatives of management and labor; use industrial hygiene sampling equipment such as gas and vapor detectors, noise dosimeters and direct reading instruments; speak effectively; write clear, concise reports.

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

One year of experience as an industrial hygienist, safety and health officer, safety and health consultant, or as a chemist or engineer working on environmental health or air sanitation problems.

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

Revision: 12-1-64

Revised minimum qualifications: 9-1-68

Revised minimum qualifications and class code change

(formerly 5375): 4-13-79

Revised definition and minimum qualifications: 6-15-84

Revised definition, distinguishing characteristics and minimum qualifications: 5-15-92