

INDUSTRIAL HYGIENE CONSULTANT

Employees in this class inspect industrial work places, detect occupational health hazards, and advise industrial officials on control methods. Assignments are the result of requests for assistance from industrial officials. Employees also conduct special studies of particular occupational health hazards.

I. DIFFICULTY OF WORK:

Variety and Scope - Employee works in a wide variety of industries with a wide variety of health hazards.

Intricacy - Employee performs inspections, detects hazards, evaluates severity of hazards, and recommends control measures. Employee plans and performs special studies of the more widespread or dangerous hazards.

Subject Matter Complexity - Employee must have considerable knowledge of industrial processes and potential occupational health hazards: considerable knowledge of existing control equipment and techniques required to advise industrial officials. Some knowledge of organic and inorganic chemistry, biochemistry, physiology, and industrial toxicology required to determine the severity of hazards. A thorough knowledge of sampling techniques and procedures is required.

Guidelines - Employee evaluates and recommends control measures for unique hazards. Inspection techniques and existing control measures often not sufficient.

II. RESPONSIBILITY:

Nature of Instructions - Instructions are received only on unusual or new problems, usually upon the request of the employee.

Nature of Review - Work is performed independent of technical supervision.

Scope of Decisions - Decisions could affect individual industries or their workers

Consequence of Decisions - Decisions take the form of advice to industrial officials on control techniques for occupational health hazards. Decisions could cost industries considerable sums of money or endanger the lives of workers.

III. INTERPERSONAL COMMUNICATIONS:

Scope of Contacts - Contacts are primarily with industrial officials.

Nature and Purpose - Industrial officials to explain the process involved in industrial hygiene surveys, to convince them of the severity of, hazards, and to take often costly measures to protect the health of workers.

IV. OTHER WORK DEMANDS:

Work Conditions - Must work in a variety of industries with environments ranging from good to very poor.

Hazards - Exposed to potentially dangerous health hazards on a periodic basis.

V. JOB REQUIREMENTS:

Knowledges, Skills, and Abilities - A general understanding of introductory statistics. Working knowledge of organic and inorganic chemistry. Working knowledge of biochemistry. Basic understanding of physiology. Working knowledge of industrial toxicology. Considerable knowledge of industrial processes, potential health hazards, and control equipment and methods. Considerable knowledge of industrial hygiene sampling techniques. Ability to explain hazardous situations to industrial officials, and to convince them of potential danger to employees.

Minimum Education and Experience - Graduation from a four-year college or university with a degree in chemistry, physics, mechanical engineering, chemical engineering, or a closely related curriculum and three years of progressive experience in industrial hygiene inspections: or an equivalent combination of education and experience.