

INDUSTRIAL HYGIENIST 1

KIND OF WORK

Professional industrial hygiene work.

NATURE AND PURPOSE

Under immediate supervision, performs investigative work to ensure enforcement of occupational health and safety standards; performs related work as required.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Inspects places of employment to detect health hazards, including those caused by airborne contaminants, toxic substances and harmful physical agents, by preparing for inspections with a senior investigator, observing the work environment, interviewing employees, executing standard tests, such as collecting and analyzing chemical samples, taking noise measurements, and through discussion of findings with a senior investigator to determine violations of occupational health and safety standards.

Determines methods of correction and penalties for health and safety violations to include in written reports submitted to the employer and the Department of Labor and Industry through discussions with senior investigators.

Writes narrative reports detailing occupational health and safety investigations so that violations will be corrected; uses established report writing format.

Testifies at hearings, as required, to present evidence and testimony using notes compiled from case files.

Answers questions from the public relating to occupational health and safety matters, so that they are correctly informed: researches information and provides both written and verbal responses.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Physiology, chemistry, physics, engineering, medicine and biochemistry sufficient to recognize health and safety hazards in the work place.

Industrial hygiene principles and practices sufficient to follow instructions from a senior investigator to conduct routine health and safety investigations.

The fundamental laws and theories of chemical activities and the physiological actions of toxic materials, biological entities and physical stresses sufficient to understand industrial production processes.

Minnesota and federal occupational health and safety standards sufficient to determine violations.

Sampling equipment sufficient to collect a variety of samples.

Industrial hygiene issues sufficient to respond to general questions from the public.

Ability to:

Write narrative technical reports, and correspondence simplifying technical information requested by the public.

Read and comprehend technical literature.

Follow complex instructions and procedures to calibrate equipment and conduct inspections.

Use mathematical equations to evaluate data.

Verbally communicate with clarity.

SPECIAL WORK CONDITIONS

Incumbents in this class travel as much as 50% of the time. As much as half of their travel time may require overnights.

EST.: 6/78
Rev.: 7/79; 4/85

T.C.: 2/82; 4/85
Former Title(s): Industrial Hygienist Associate
Industrial Hygienist