

Definition: This is professional work in the field of industrial hygiene.

An employee in this class performs a variety of assignments within as assigned geographical area of the commonwealth, involving the regulation of facilities to insure compliance with the Commonwealth's rules and regulations governing the occupational health of its workers. Work requires the application of these rules and regulations during the conduct of inspections, investigations, plan review, and enforcement activities. Work involves inspecting mines, quarries, industries, Commonwealth and municipal facilities investigating complaints regarding occupational health hazards; investigating use of dangerous or toxic chemicals, and investigating hazardous or toxic chemical spills. Work involves initiating enforcement and compliance action against violators; providing advice to Commonwealth and municipal officials, and hospital personnel on corrective measures for occupational health problems; and providing information to special interest groups, Commonwealth, municipal and Federal officials. work involves operating, calibrating, and conducting routine maintenance on a variety of test equipment Work involves considerable contact with facility operators, Commonwealth and municipal officials, and workers during the conduct of inspections, investigations, plan review, and enforcement activities to explain occupational health rules and regulations and methods for their compliance. Work is assigned in the form of specific goals and objectives and the employee exercises considerable freedom in scheduling and completing the work. Work may be reviewed in progress on new or difficult assignments and is reviewed upon completion by a professional superior for completeness, technical accuracy, and quality.

Examples of Work: Inspects schools for proper lighting, industrial hygiene control equipment, ventilation and air recirculation systems, and use and control of exposure to hazardous or toxic chemicals; investigates and resolves complaints involving schools.

Inspects hospitals for proper lighting, maintenance procedures, laundry handling, ventilation and air recirculation systems, and use handling exposure control, storage, and disposal of hazardous or toxic chemicals; investigates and resolves complaints involving hospitals.

Inspects Commonwealth institutions for lighting, ventilation and air recirculation systems, industrial hygiene control equipment and procedures, occupational hazards, laundry handling, maintenance procedures and use exposure control, handling, storage, and disposal of hazardous or toxic chemicals.

Investigates complaints involving excessive noise levels at work sites, determines source and resolves complaint.

Inspects mines, quarries, and other industries for occupational health hazards such as excessive exposure to silica dust, noise, carbon dioxide, carbon monoxide, methane gas and other hazardous substances.

Investigates complaints involving dangerous or toxic chemical spills, determines safest method of clean-up to prevent harm to affected population and clean-up workers.

Investigates complaints involving occupational hazards, determines source and nature of hazards, and methods for its solution.

Provides information to the public regarding program policies procedures, Departmental rules and regulations either through telephone conversations or correspondence.

Prepares letters, memorandums, and other correspondence to exchange information with facility operators, governmental officials, the public, or supervisor.

Interprets program policies, procedures, Departmental rules and regulations for co-workers.

Assists in providing on-the-job training to Industrial Hygienist trainees including advising management of the effectiveness of the training program and their progress.

Operates motor vehicle to travel to various work sites.

Performs similar work as required.

Required Knowledge, Skills and Abilities: Knowledge of the biological, chemical and physical sciences as related to industrial hygiene.

Knowledge of the basic principles relating to industrial hygiene.

Knowledge of the Department of Environmental Resources' rules, regulations, policies, and procedures governing occupational health.

Knowledge of the procedures and techniques utilized in inspecting schools, hospitals, Commonwealth institutions, and Commonwealth operated facilities for lighting, ventilation and air recirculation systems, industrial hygiene control equipment and procedures, occupational hazards, laundry handling, maintenance procedures, and the use, exposure control, storage, handling, and disposal of hazardous or toxic chemicals.

Knowledge of the procedures and techniques utilized in inspecting mines, quarries; and other industries for occupational health hazards such as excessive exposure to silica dust, noise, methane gas, and other dangerous substances.

Knowledge of the procedures and techniques utilized in inspecting Commonwealth and municipal facilities for proper procedures and equipment for entry into confined areas.

Knowledge of the procedures and techniques utilized in investigating complaints involving excessive noise levels.

Knowledge of the procedures and techniques utilized in the investigation of hazardous or toxic chemical spills and their clean-up operations.

Knowledge of the procedures and techniques used in the investigation of occupational health hazards.

Knowledge of the procedures and techniques utilized in the investigation of occupational diseases.

Knowledge of the procedures and techniques utilized in the investigation of complaints involving schools, hospitals, Commonwealth institutions, and Commonwealth operated facilities.

Knowledge of the procedures and techniques utilized in investigating noise complaints and conducting noise surveys.

Knowledge of the procedures, techniques, and format for the preparation of Departmental Orders, Consent Orders/Agreements, and violation letters.

Knowledge of the techniques utilized in the negotiation of cases involving enforcement action.

Knowledge of Commonwealth and Departmental rules, regulations, policies and procedures governing travel, lodging, expense vouchers, and other reporting requirements.

Knowledge of the safety precaution required while conducting inspections and investigations of facilities such as mine and quarries for hazardous or toxic material.

Knowledge of the proper application of occupational health test equipment to various settings.

Knowledge of common chemicals used in industry, schools and institutions and safety precautions required for their use, exposure control, handling, storage and disposal.

Ability to apply rules and regulations during the conduct of inspections, and investigations.

Ability to perform mathematical computations at the GED 5 level.

Ability to read and write English at the GED 5 level.

Ability to meet with and secure the cooperation of facility operators, workers, commonwealth and municipal officials during the conduct of inspections and investigations to determine compliance with rules and regulations.

Ability to operate, calibrate and perform routine preventative maintenance on occupational health test equipment.

Ability to establish and maintain effective working relationships with co-workers, supervisor, Commonwealth and municipal officials, facility operator, and workers and the public.

Ability to operate a motor vehicle.

Eye sight and color perception sufficient to permit use of color comparer test equipment such as universal samplers.

Sufficient eye-hand motor coordination to permit use of occupational health test equipment.

Sufficient physical stamina to permit carrying occupational health test equipment over long distances, walking long distances, climbing on and off heavy equipment, and working under adverse weather conditions.

Minimum Experience and Training: Successful completion of the training program for the Industrial Hygienist Trainee;

OR

Any combination of experience and/or training which affords the applicant the required knowledge's and abilities.

Necessary Special Requirement: Possession of a valid motor vehicle operator's license as issued by the Commonwealth of Pennsylvania.