

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES ▼
HUMAN RESOURCES ENTERPRISE

SENIOR INDUSTRIAL HYGIENIST

DEFINITION

Under general supervision, performs professional work in occupational health as it relates to the Occupational Safety and Health Act (OSHA) and any other pertinent required programs; performs related work as required.

The Work Examples and Competencies listed are for illustrative purposes only and not intended to be the primary basis for position classification decisions.

WORK EXAMPLES

Conducts technical complex environmental inspections to determine compliance with applicable statutes, rules and standards; reviews facility plans, previous inspection reports; observes facility in operation; collects data and samples and performs analytical analysis where necessary.

Conducts inspections in industrial, construction and other hazardous work environments to ascertain employee exposure to chemical, physical, radiological and biological health hazards.

Prepares highly technical reports outlining results of inspections where work related hazards were found; drafts citations for specific violations of safety and health regulations, and where necessary invokes measures necessary to correct hazards.

Investigates accidents (including emergency chemical spills) and other sources of work related hazards.

Acts as a team leader at the full performance level in complex surveys by coordinating inspections and providing on-the-job training of other personnel; reviews work and provides direction to personnel.

Operates and calibrates sound level meters, audio dosimeters, air sampling pumps, combustible gas indicators, and other testing and sampling equipment to measure environmental conditions and to ascertain that sites are free of health hazards.

Contacts and interviews employees and places personal monitoring equipment on such; observes employee work practices and ensures proper operation of monitoring equipment.

Participates in the implementation and review of rules, policies, or formulation and methods needed to effectively implement occupational health programs.

Participates in meetings, training sessions, seminars, etc., to enhance knowledge of agency programs and specific subject matters in order to better perform assigned duties.

Responds to written or telephone requests from a wide variety of public and private entities or individuals for information or technical assistance on a variety of environmental issues; assists with problem resolution or answering questions encountered to interpret, clarify, or review statutes, rules, policy, etc.

Makes presentations to various public and/or professional groups on a variety of environmental topics in order to relay current information on various programs or techniques and/or explain departmental rules, statutes, policies, etc.

Carries a moderate load of equipment during any inspection which involves continuous movement at the worksite to observe employees work, uses all types of personal equipment such as self-contained breathing apparatus.

Collects all pertinent information so that an accurate record is obtained to provide a defense record in the event of litigation.

Maintains assigned and non-assigned precision equipment to ensure that no damage or lost time is experienced.

COMPETENCIES REQUIRED

Knowledge of the principles, practices and techniques of occupational safety; of State, Federal and local occupational safety and health laws, rules, and regulations and their application to OSHA programs, and how those areas are applied in industry.

Knowledge of the theory, principles and practices of environmental control; the prevention and control of conditions which may adversely effect human health; of organic and inorganic chemistry, physics of noise, physiology, toxicology and radiology.

Knowledge of common occupational diseases, health hazards and toxic sources arising in the workplace; sampling procedures utilized to measure levels of gas, vapor, dust, noise and radiation.

Ability to communicate effectively both orally and in writing and to discover, identify, gather and interpret scientific data and facts; to apply scientific knowledge to specific issues; and to organize and conduct technical and scientific investigations, apply regulations and policies, and report results.

Ability to use interpersonal and verbal skills to deal tactfully and effectively with employers in general industry, construction and other work settings in dealing with upper management officials, agency staff, union officials and employees.

Ability to plan and organize work and at the full performance level to aid other professionals in staff development.

Ability to make proper decisions under potentially hazardous and stressful situations.

Ability to lift and carry items weighing up to 30 pounds.

Ability to carry, manipulate and properly wear awkward and/or uncomfortable safety equipment, such as respirators and heat retaining personal protective clothing.

Ability to analyze complex problems of environmental hazard reduction and arrive at sound decisions regarding action to be taken.

Ability to operate and maintain detection and measurement apparatus.

Displays high standards of ethical conduct. Exhibits honesty and integrity. Refrains from theft-related, dishonest or unethical behavior.

Works and communicates with internal and external clients and customers to meet their needs in a polite, courteous, and cooperative manner. Committed to quality service.

Displays a high level of initiative, effort and commitment towards completing assignments efficiently. Works with minimal supervision. Demonstrates responsible behavior and attention to detail.

Responds appropriately to supervision. Follows policy and cooperates with supervisors.

Aligns behavior with the needs, priorities and goals of the organization.

Encourages and facilitates cooperation, pride, trust, and group identity. Fosters commitment and team spirit.

Expresses information to individuals or groups effectively, taking into account the audience and nature of the information. Listens to others and responds appropriately.

EDUCATION, EXPERIENCE, AND SPECIAL REQUIREMENTS

Graduation from an accredited four-year college or university with major coursework in industrial hygiene, chemical, civil, or mechanical engineering, environmental health, occupational safety, chemistry, physics, or a biological science;

OR

employees with current continuous experience in the state executive branch that includes the equivalent of three years of full-time work as a Field Safety Technician and thirty semester hours of college coursework which included chemistry (organic and inorganic), biology and physics; or one year of full-time work as a Safety and Health Consultant and twelve semester hours of college coursework which included chemistry (organic and inorganic) and physics shall be considered as qualified.

NOTE

Positions require overnight travel throughout the state. Employees must arrange transportation to and from assigned work areas.

Effective Date: 8/05 JN