

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES ▼
HUMAN RESOURCES ENTERPRISE

HEALTH PHYSICIST 2

DEFINITION

Formulates and carries out health protection plans for the safe handling and use of radiation machines, radioactive materials or related education, licensure and certification; plans and oversees investigations and inspections; acts as an advisor and consultant for staff in all phases of large or multi-faced investigations in the radiological environmental 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

Plans and conducts inspections, surveys and studies; detects, analyzes and evaluates the elimination or control of radiological, biological, chemical and physical health hazards; inspects and licenses all facilities using radioactive materials (except broad scope licensees).

Performs studies and instructs environmental quality specialists, on field studies of environmental hazards, radiological health and health physics.

Measures and evaluates conditions affecting workers or the public.

Collects and analyzes chemical, toxic dust, or contaminants in the working or public environment, and makes evaluations of the degree of hazards resulting from such contamination; demonstrates/instructs in these techniques.

Researches and reviews radiological and environmental documentation.

Prepares technical papers relating to environmental work.

Makes presentations to radiological and environmental health groups.

Provides technical assistance to the public or plant management; advises the public, plant management, and others on federal laws and regulations.

Files legal actions and testifies in legal proceedings as required.

COMPETENCIES REQUIRED

Knowledge of applicable local, state and federal laws, rules and regulations relating to radiation and environmental engineering and engineering/physics of radiochemical and biological analysis.

Knowledge of the operation and maintenance of detection equipment.

Ability to make technically correct decisions.

Ability to physically move or climb to access areas to be inspected.

Displays high standards of ethical conduct. Refrains from dishonest behavior.

Works and communicates with all clients and customers providing quality professional service.

Displays a high level of initiative, effort, attention to detail and commitment by completing assignments efficiently with minimal supervision.

Follows policy, and cooperates with supervisors and aligns behavior with the goals of the organization.

Fosters and facilitates cooperation, pride, trust, and group identity and team spirit throughout the organization.

Exchanges information with individuals or groups effectively by listening and responding appropriately.

EDUCATION, EXPERIENCE, AND SPECIAL REQUIREMENTS

Graduation from an accredited college or university with a Bachelor's degree in health physics, nuclear physics, or nuclear engineering and three years of experience in radiological health or related;

OR

graduation from an accredited college or university with a Bachelor's degree in physics and five years of experience in a radiological health or related radiological services program;

OR

graduation from an accredited college or university with a Bachelor's degree in another of the physical sciences and seven years of experience in radiological health or related radiological services program;

OR

Successful completion of the U. S. Navy Nuclear Program and three years of experience in a radiological health program, radiological services program, nuclear reactor program or nuclear engineering..

NOTE:

1. Must satisfactorily complete government sponsored core courses in health physics or other specialized training programs as required by federal agencies within the time frame specified by management.
2. Travel is required for positions in this class. Employees must be willing to travel for extended periods of time and must arrange transportation to and from assigned work areas. Work may involve exposure to excessive heat, cold, hazardous substances, constructions sites, and unfavorable conditions. May be required to respond to emergencies. May be on 24-hour call.

Effective Date: 10/11 BR