

RADIATION SPECIALIST 2

KIND OF WORK

Advanced level professional radiologic health and safety program work.

NATURE AND PURPOSE

An employee in this class conducts complex safety investigations and environmental studies involving ionizing radiation sources in over 3200 health care, educational and industrial facilities where over 5600 ionizing radiation sources are located. While this employee may perform many tasks of a similar nature to the Radiation Specialist 1, this class is differentiated from the lower level in several areas. As incumbent in this class, unlike Radiation Specialist 1, devises procedures for testing machines, works with radionuclides that are produced naturally or by accelerators and provides technical assistance to radiologists and x-ray operators in solving complex radiation safety problems. This employee makes decisions of a more independent nature than entry level employees.

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

Conducts complex investigations of radionuclides that are produced naturally or by accelerators to ensure that facilities using them do so in a safe manner.

Proposes where environmental samples should be taken around power plants so that it can be determined whether or not environmental radiation is at safe levels.

Makes computations to determine whether or not adequate shielding exists in rooms which ionizing radiation sources are used or stored.

Conducts investigations of educational and institutional facilities so that complete reports of all findings and recommendations can be made.

Performs calculations in the examination of plans and specifications for construction or alteration of facilities so that facilities can be brought into compliance with minimum state requirements.

Functions as a member or leader of the Radiation Emergency Team so that accidents involving radiation can be investigated and controlled.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Thorough knowledge of basic principles of ionizing radiation production and effects.

Applicable public health administration procedures in Minnesota rules on radiation.

Skill in:

Preparing letters, documents, and reports to accurately and efficiently communicate health physics information.

Ability to:

Make computations involving the application of health physics and radiation safety.

Develop a program and gather and interpret data and information.

Present ideas effectively both orally and in writing.

Est.: 9/77
Rev.:
Ckd.: 11/92

T.C.:
Former Title(s):