

## RADIATION CONTROL TECHNICIAN

### NATURE OF WORK

This is responsible administrative, technical and inspectional work in controlling and regulating the acquisition and use of radioactive materials.

Work involves responsibility to carry out the administrative policies and preventive controls of the University Radiation Control Committee. The employee of this class exercises initiative and independence of action in processing applications for radioisotope licenses for presentation to the URCC and in conducting cyclic and special inspections. Work is performed under the technical and administrative supervision of the Chairman of the URCC and is reviewed through conferences, reports and observation of results achieved.

### ILLUSTRATIVE EXAMPLES OF WORK

Interprets and applies governing policies and procedures of the university Radiation Control Committee; receives and reviews applications for radioisotope licenses from University departments; evaluates applications for adherence to Atomic Energy Control Board and Radiation Protection Bureau guidelines; liaises with departments for clarification and/or modification of application.

Conducts cyclical, special and emergency inspections of facilities utilizing radioactive isotopes; evaluates laboratory layout for accident potential and method of storage and disposal; verifies that staff working with radioactive isotopes and that the rate of purchase and usage correspond with records; issues and collects radiation dosimeters; maintains logs of radiation dosages.

Prepares agenda and gathers pertinent files for distribution at University Radiation Control Committee meetings; attends meetings, provides information regarding varied aspects of radiation control and records minutes; drafts minutes for review and approval of Chairman.

Maintains an awareness of current developments in radiation control and detection; advises the URCC on purchase of equipment, violations of terms of radioisotope licenses and administrative and preventive control policies and recommends effective action.

Corresponds with regulatory bodies and users of radioactive isotopes; maintains files and literature related to radiation control.

Perform related work as required.

### REQUIREMENTS OF WORK

Experience in handling radioactive materials preferably supplemented by some experience in radiation monitoring; graduation with a Bachelor of Science degree from a four-year college or university with course work in radiation physics or chemistry; or any equivalent combination of experience and training which provides the following knowledge, abilities and skills:

Knowledge of the methods, principles and practices of a radiation control programme.

Knowledge of the Atomic Energy Control Board and Radiation Protection Bureau regulations and guidelines.

Knowledge of the operation and routine maintenance of radiation detection equipment.

Ability to recognize potential accident areas in laboratories using radioactive isotopes.

Ability to interpret and implement procedures and techniques prescribed by the Atomic Energy Control Board and the Radiation Protection Bureau.

Ability to evaluate and analyze applications for radioisotope licenses in terms of governing regulations.

Ability to make recommendations to the University Radiation Control Committee regarding procedures and techniques of radiation control and inspection.

Ability to maintain records and prepare correspondence and reports.

Ability to establish and maintain effective working relationships with administration and faculty within and outside the University.

**3350**

**1993.03.19**

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