
Overview

The main outcome of this activity is the monitoring of radiation conditions during specific work activities.

This activity includes obtaining information on the work activities being undertaken; identifying the potential radiation hazards and exposure levels; monitoring the radiation conditions; comparing the radiation conditions with relevant standards; identifying any problems with the radiation conditions.

This activity is likely to be undertaken by someone whose work role is exercised in an environment where radiation protection is important.

This unit deals with the following:

- 1 Monitor radiation conditions during work activities

During this work you must take account of the relevant worksite operational requirements, procedures and safe working practices AS THEY APPLY TO YOU.

Previous Version:

Adapted from Unit N227 of Radiation Protection NOS – version February 2006.

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Monitor radiation conditions during work activities

Performance criteria

You must be able to:

- P1 obtain information on the type of work activities being undertaken
- P2 identify the potential radiation hazards and exposure to radioactive materials arising from the work activities being undertaken
- P3 obtain information about the use of radiation protection systems, personal protective equipment, personal radiation or contamination exposure limits, and any other applicable control measures
- P4 select suitable monitoring equipment for the radiation conditions during the work activities
- P5 monitor the radiation conditions by using the appropriate monitoring equipment at suitable times during the work activities
- P6 compare the measured levels of radiation with the relevant standards for the work being undertaken
- P7 identify any problems with the radiation conditions and take the appropriate action
- P8 identify any potential improvements in the way the radiation conditions could be monitored
- P9 seek advice to deal with any requirements beyond own technical competence
- P10 comply with all relevant regulations and standards, and record all relevant actions and outcomes in the appropriate information systems

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Knowledge and understanding

You need to know and understand:

- K1 dosimetry assessments
- K2 health and safety issues and requirements
- K3 nuclear industry: types of facilities, materials, and processes
- K4 organisational structures and procedures
- K5 radiation monitoring equipment
- K6 radiation protection issues
- K7 radiation protection systems
- K8 radiation: types, sources, and hazards
- K9 sources of authoritative information on radiation protection
- K10 statutory requirements, regulations, and standards, including international, national, and local

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