

COGN229

Monitor environmental conditions during radiation-related work activities



Overview

The main outcome of this activity is the monitoring of the exposure of the internal and external environment to radiation during radiation-related work activities.

This activity includes obtaining information on the work activities being undertaken, and the potential exposure level; monitoring the radiation released to the environment; identifying any problems, and suggesting improvements.

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 environmental conditions during radiation-related 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 N229 of Radiation Protection NOS – version February 2006.

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Performance criteria

- You must be able to:*
- P1 obtain information on the type of radiation-related work activities being undertaken
 - P2 select suitable radiation monitoring equipment for monitoring the exposure of the environment
 - P3 undertake environmental monitoring during or after the work activities according to organisational procedures
 - P4 monitor the radiation received by the environment by using the appropriate systems
 - P5 ensure that any problems revealed by the monitoring of radiation are identified and appropriate action taken according to organisational procedures
 - P6 identify any potential improvements in the way personnel monitoring could be undertaken
 - P7 seek advice to deal with any requirements beyond own technical competence
 - P8 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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