

COGTRM17

Monitor radiation doses during radiation-related work activities



Overview

The main outcome of this activity is the monitoring of radiation doses during specific work activities. This activity includes obtaining information on the work activities being undertaken, and the potential exposure level, monitoring the radiation doses received by workers, comparing doses received to the expected levels and updating dosimetry information.

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 doses during radiation-related work activities

Radioactive material can potentially cause harm to people, property and the environment, so it is vitally important that you take all necessary safety measures.

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

Previous Version:

Adapted from Unit N219 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 activities being undertaken, and the potential level and rate of exposure to radioactive materials
 - P2 confirm the radiation dose and exposure limits that are acceptable for the people undertaking the radiation-related work activities
 - P3 select suitable systems for monitoring the radiation dose received by the people undertaking the radiation-related work activities
 - P4 monitor the dose received by people undertaking the radiation-related work activities by using the appropriate systems
 - P5 ensure that any problems with the monitoring of radiation doses are identified and resolved promptly
 - P6 compare the dose received by people with the expected dose, and investigate any unexpected differences
 - P7 ensure that all relevant dosimetry systems are updated with information on the doses received by the people undertaking the radiation-related work activities
 - 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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Additional Information

Glossary

Key Words

1. Hazards
2. Health
3. Radiological
4. Dosage
5. Ionising
6. Nuclear
7. Safety

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Developed by	Cogent
Version number	1
Date approved	March 2010
Indicative review date	March 2012
Validity	Current
Status	Original
Originating organisation	Cogent
Original URN	TRM17
Relevant occupations	Engineering and manufacturing technologies; Manufacturing technologies; Process, Plant and Machine Operatives; Plant and Machine Operatives
Suite	Transportation of Radioactive Materials
Key words	monitor, radiation, doses, exposure, levels, updating, work, activities, hazards, health, radiological, dosage, ionising, nuclear, safety