

COGN417

Check radiological monitoring instruments and equipment are in good order



Overview

This unit covers the competence required in maintaining the condition of radiological instruments. Candidates must show a clear understanding of the requirements for storage, issue, inspection, function testing, maintenance and records.

This unit deals with the following:

1. Check radiological monitoring instruments and equipment are in good order

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 N417 of Nuclear Decommissioning NOS – version October 2005.

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Performance criteria

You must be able to:

- P1 work safely at all times, complying with health and safety and other relevant regulations and guidelines
- P2 obtain and check **instruments and equipment** appropriate to the monitored activity and area in accordance with laid down procedures
- P3 clearly label non-functioning, damaged and worn instruments and pass them to the relevant people for action
- P4 handle sources safely and return to safe storage in accordance with instructions
- P5 establish that the radiological status of **instruments and equipment** is safe before returning them to storage
- P6 complete documentation legibly and correctly
- P7 seek appropriate specialist advice from **relevant people** where your own technical limitations are reached

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Knowledge and understanding

You need to know and understand:

- K1 equipment operating and care and control procedures
- K2 the principles of function testing of monitoring instruments and equipment
- K3 the labelling requirements for non-functioning, damaged and worn instruments
- K4 the key factors to consider when handling sources safely and returning to safe storage
- K5 the key points to consider in determining whether the radiological status of instruments is safe before return to storage
- K6 reporting procedures and documentation
- K7 how to identify and access sources of specialist advice
- K8 radiation and contamination principles
- K9 the principles of working area demarcation and control
- K10 principles of risk minimisation
- K11 decontamination techniques
- K12 dose measuring equipment/personal dose control

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Additional Information

Glossary

The following terms have a specific meaning in this unit:

Monitoring instruments and equipment

- Radiation monitors
- Contamination monitors

Relevant people

- Area supervisor
- Line supervisor
- Radiation protection specialists including radiation protection advisers (RPAs), radiation protection supervisors (RPSs) and health physics staff

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Developed by Cogent

Version number 1

Date approved September 2008

Indicative review date September 2010

Validity Current

Status Original

Originating organisation Cogent

Original URN N417

Relevant occupations Professional Occupations; Engineering Professionals; Engineering and manufacturing technology; Engineering

Suite Nuclear Decommissioning

Key words monitoring, instruments, equipment, people